

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

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
AND TOWERCO 2013, LLC FOR ISSUANCE) CASE NO. 2024-00020
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT A WIRELESS)
COMMUNICATIONS FACILITY IN THE)
COMMONWEALTH OF KENTUCKY IN THE COUNTY)
OF MARSHALL)

SITE NAME: DRAFFENVILLE NORTH

* * * * *

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

Cellco Partnership, d/b/a Verizon Wireless and TowerCo 2013, LLC (“Co-Applicants”), by counsel, pursuant to (i) KRS §§278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of the Co-Applicant with wireless communications services.

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

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

b. TowerCo 2013, LLC, having a local address of 5000 Valleystone Drive, Cary, NC 27519

2. Co-Applicants:

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

b. TowerCo 2013, LLC is a Delaware limited liability company and 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 Co-Applicants submit this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

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

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

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

6. To address the above-described service needs, Co-Applicants propose to construct a WCF at the end of Raceway Lane, Benton, KY 42025. (North Latitude: (36° 56' 48.25", West Longitude 88° 21' 33.06"), 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 Rhonda Powell pursuant to a Deed recorded in Deed Book 394, Page 132 in the office of the County Clerk. The proposed WCF will consist of a 250-foot tall tower, with an approximately 5-foot tall lightning arrestor attached at the top, for a total height of 255-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of the Co-Applicant's radio electronics equipment and appurtenant equipment. The Co-Applicant's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit C** and **Exhibit D**.

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

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

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

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

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 Engineered Tower Solutions, PLLC, 3227 Wellington Court, Raleigh, NC 27615, dated March 8, 2024 and is attached as **Exhibit H**. The name and address of the geotechnical engineering firm and the

professional engineer registered in Kentucky who prepared the report are included as part of **Exhibit H and Exhibit 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 21157C0080E, Dated June 2, 2011.

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

street system and all abutting property owners (according to the records maintained by the County Property Valuation Administrator). Attached as **Exhibit K** is the Notification List with screen shots of the PVA records verified and updated using the Marshall County PVA on January 31, 2024. **Exhibit C** also identifies every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system.

20. Co-Applicants have sent certified notices 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 January 31, 2024, using the Marshall County Kentucky Property Valuation Administration records and a copy of the form of the notice sent by certified mail to each landowner on February 1, 2024, are attached as **Exhibit K** and **Exhibit L**, respectively. Nine (9) notices were sent to surrounding property owners; to date seven (7) notice green cards have been returned. USPS tracking indicates that one (1) notice was delivered on February 3, 2024 and one notice was delivered on February 10, 2024. Copies of the mailed envelopes, returned green cards and USPS tracking are included in **Exhibit L**. There are no unaccountable notices.

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

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

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

24. The area of the proposed facility is in the unincorporated area of Marshall County, Kentucky. The site located at the end of Raceway Lane, on the north side of the road. The area is buffered by a tree row to the north and east. The area is largely undeveloped with a single accessory structure. The site is approximately 50% tree covered and 50% open space. The site is west of a water tower. There are several residential properties to the southwest. The terrain is rolling. There is no zoning or Plan Commission in this area of Marshall County. The proposed facility is removed a significant distance from any residential structures. The nearest residential structure is 948 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 P**.

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

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

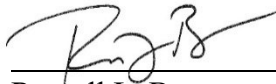
28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

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 Entities
- B FCC Registration and License Documentation
- C Site Development Plan:
 - 500' Vicinity Map Legal Descriptions
 - Flood Plain Certification Site Plan
 - Vertical Tower Profile
- D Tower and Foundation Design
- E Competing Utilities, Corporations, or Persons List
And Map of Like Facilities in Vicinity
- F FAA Application and Determination of No Hazard
- G KAZC Application
- H Geotechnical Report
- I Directions to WCF Site
- J Real Estate Agreement
- K Notification Listing with PVA Verification
- L Property Owner Notification
- M County Judge/Executive notice
- N Posted Notices
- O Newspaper Legal Notice Advertisement
- P Radio Frequency Design Search Area
- Q Copy of RF Design Engineer Statement of Need
- R 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 "JBULLOCK", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

3341134 8300

SR# 20231665976

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

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

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

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

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



Michael G. Adams

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

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



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C226

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

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

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

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

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

One Verizon Way Basking Ridge NJ 07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by

NYNEX PCS Inc.

Jane A. 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

**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: A1263599
2c) If the answer to 1 is MD or NT, provide the date the Antenna Structure was constructed or the date it was last altered (mm/dd/yyyy).	Date:
2d) If the answer to 1 is DI, provide the date the Antenna Structure was dismantled (mm/dd/yyyy).	Date:

Antenna Structure Ownership Information

3) Select one of the entity types:			
() Individual	() Unincorporated Association	() Trust	() Government Entity
() Corporation	(X) Limited Liability Company	() General Partnership	() Limited Partnership
() Consortium	() Limited Liability Partnership	() Other: _____	
4) FCC Registration Number (FRN): 0024950685		5) Assignor FCC Registration Number (FRN):	
6) First Name (if individual):	MI:	Last Name:	Suffix:
7) Legal Entity Name (if not an individual): TowerCo V Holdings LLC			
8) Attention To: TowerCo ID: KY0105		9) P.O. Box:	And/Or
10a) Street Address 1: 5000 Valleystone Dr		10b) Street Address 2: Suite 200	
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):	
16) E-mail Address: hbyrne@towerco.com			

Contact Representative Information

17) First Name (if individual):	MI:	Last Name:	Suffix:
18) Business Name: TowerCo V Holdings LLC			
19) Attention To: Henry Byrne	20) P.O. Box		And/Or
21a) Street Address 1: 5000 Valleystone Dr		21b) Street Address 2: Suite 200	
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):	
27) E-mail Address: hbyrne@towerco.com			

Antenna Structure Information

28a) Latitude (DD-MM-SS.S): 36- 56- 48.3		28b) North or South: North	
29a) Longitude (DDD-MM-SS.S): 088- 21- 33.1		29b) East or West: West	
30) Street Address or Geographic Location: 4001 Raceway Lane		31) City: Benton	
32) County: MARSHALL	33) State: KENTUCKY	34) Zip Code: 42025	
35) Elevation of site above mean sea level (meters):			141.1 meters
36) Overall height above ground level (AGL) of the supporting structure without appurtenances:			76.2 meters
37) Overall height above ground level (AGL) of the antenna structure including all appurtenances:			79.2 meters
38) Overall height above mean sea level (add items 35 and 37 together):			220.3 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 SILO – 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:
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Environmental Compliance

45) Does the applicant request a waiver of the Commission's rules for environmental notice prior to construction due to an emergency situation?	(No) Yes or No
46a) If the answer to 45 is No, is another federal agency taking responsibility for environmental review of the Antenna Structure?	(No) Yes or No
46b) If the answer to 46a is Yes, indicate why: 1) The Antenna Structure is on Federal Land and the landholding agency is taking responsibility for the environmental review of the Antenna Structure. 2) Another federal agency has agreed with the FCC in writing to take responsibility for the environmental review of the Antenna Structure.	() 1 or 2
46c) If the answer to 46a is Yes, provide the name of the federal agency taking responsibility for the environmental review of the Antenna Structure.	Name:
47) If the answers to 45 and 46a are No, provide the National Notice Date for the application to be posted on the FCC's website (mm/dd/yyyy).	Date: 02/13/2024
48) Is the applicant submitting an environmental assessment?	(No) Yes or No
49) Does the applicant certify that grant of Authorizations at this location would not have a significant environmental effect pursuant to Section 1.1307 of the FCC's rules?	() Yes or No
50) If the answer to 49 is Yes, select the basis for this certification. 1) The construction is exempt from environmental notification (other than due to another agency's review) and it does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules? 2) The construction is exempt from environmental notification due to another agency's review, and the other agency has issued a Finding of No Significant Impact. 3) The environmental notification has been completed, and the FCC has notified the applicant that an Environmental Assessment is not required under Section 1.1307(c) or (d) of the FCC's rules, and the Construction does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules. 4) The FCC has issued a Finding of No Significant Impact.	() 1, 2, 3, 4
51) If the answer to 50 is 3 or 4, enter the date that Local Notice was provided (mm/dd/yyyy).	Date:

Certification Statements

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

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

52) First Name: Henry	MI:	Last Name: Byrne	Suffix:
53) Title: FCC Contact			
54) Signature: Henry Byrne			55) Date: Dec 13, 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: KENTUCKY RSA NO. 1 PARTNERSHIP

ATTN: REGULATORY
KENTUCKY RSA NO. 1 PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign KNKQ306	File Number
Radio Service CL - Cellular	
Market Numer CMA443	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0001836709

Market Name Kentucky 1 - Fulton

Grant Date 08-30-2011	Effective Date 11-02-2016	Expiration Date 10-01-2021	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	36-20-59.2 N	089-22-12.3 W	98.0		

Address: 0.68 MILE SOUTH OF LASSITER CORNER & REEL FOOT LAKE
City: LASSITER CORNER **County:** LAKE **State:** TN **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 135.800								
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	148.000	117.000	107.000	117.000	121.000	147.000	149.000	146.000
Transmitting ERP (watts)	133.300	103.500	36.500	4.500	1.500	3.900	38.800	109.600

Conditions:

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

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	36-45-58.0 N	088-38-50.0 W	143.0	147.8	1043917

Address: 416 Jimtown Road

City: MAYFIELD County: GRAVES 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)	124.300	120.000	100.800	92.100	88.300	103.100	108.600	100.800
Transmitting ERP (watts)	91.200	87.100	85.110	85.110	89.130	87.100	89.130	89.130

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	36-54-35.5 N	089-04-01.6 W	110.3	121.0	1030662

Address: (Wickliffe) 353 CR 1307

City: Bardwell County: CARLISLE State: KY Construction Deadline:

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)	107.500	98.100	119.800	96.700	86.900	133.300	130.900	130.400
Transmitting ERP (watts)	189.230	48.640	1.690	0.930	0.930	0.930	1.810	52.120

Antenna: 5

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	98.100	119.800	96.700	86.900	133.300	130.900	130.400
Transmitting ERP (watts)	1.710	64.860	368.980	174.580	8.750	0.930	0.930	0.930

Antenna: 6

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	98.100	119.800	96.700	86.900	133.300	130.900	130.400
Transmitting ERP (watts)	0.350	0.350	1.230	35.330	112.440	35.270	1.000	0.350

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-31-12.4 N	088-50-41.5 W	144.2	122.2	1030665

Address: (Fulton) 550 Powell Road

City: Fulton County: HICKMAN State: KY Construction Deadline:

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)	128.200	122.800	123.200	135.200	147.500	157.200	143.900	141.700
Transmitting ERP (watts)	110.570	412.100	98.560	4.220	1.510	0.920	0.920	6.530

Antenna: 5

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.200	122.800	123.200	135.200	147.500	157.200	143.900	141.700
Transmitting ERP (watts)	0.550	0.550	0.550	0.550	1.480	16.430	11.480	0.700

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-31-12.4 N	088-50-41.5 W	144.2	122.2	1030665

Address: (Fulton) 550 Powell Road

City: Fulton County: HICKMAN State: KY Construction Deadline:

Antenna: 6

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.200	122.800	123.200	135.200	147.500	157.200	143.900	141.700
Transmitting ERP (watts)	135.480	5.650	2.230	0.920	1.320	5.450	78.640	402.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	36-38-26.2 N	088-16-00.1 W	165.8	90.8	1030663

Address: (Murray) 1431 Van Cleave Road

City: Murray County: CALLOWAY State: KY Construction Deadline:

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)	106.900	107.100	115.000	106.900	87.400	91.300	86.200	97.500
Transmitting ERP (watts)	124.240	6.420	0.560	0.560	0.560	0.830	39.630	251.940

Antenna: 5

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.900	107.100	115.000	106.900	87.400	91.300	86.200	97.500
Transmitting ERP (watts)	3.450	96.460	263.070	57.230	1.700	0.560	0.560	0.560

Antenna: 6

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.900	107.100	115.000	106.900	87.400	91.300	86.200	97.500
Transmitting ERP (watts)	0.370	0.370	0.370	12.730	121.110	104.340	9.310	0.370

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-03-51.4 N	088-57-23.6 W	116.4	92.4	1030664

Address: (La Center) 220 RICHARDSON LN

City: LA CENTER County: BALLARD 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)	85.600	78.400	71.900	66.000	65.300	67.000	87.700	96.100
Transmitting ERP (watts)	2.110	71.430	167.460	63.670	0.330	0.640	0.330	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)	85.600	78.400	71.900	66.000	65.300	67.000	87.700	96.100
Transmitting ERP (watts)	1.230	1.000	1.380	23.440	338.840	457.090	66.070	2.240

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-03-51.4 N	088-57-23.6 W	116.4	92.4	1030664

Address: (La Center) 220 RICHARDSON LN

City: LA CENTER County: BALLARD State: KY Construction Deadline:

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)	85.600	78.400	71.900	66.000	65.300	67.000	87.700	96.100
Transmitting ERP (watts)	165.960	6.610	0.910	0.500	0.500	0.890	45.710	223.870

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	36-44-07.9 N	088-58-29.2 W	131.9	92.9	1030723

Address: 3975 State Route 2206

City: CLINTON County: HICKMAN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.500	101.900	98.900	84.700	107.900	118.900	119.900	100.400
Transmitting ERP (watts)	96.610	96.610	96.610	96.610	96.610	96.610	96.610	96.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-02-00.0 N	088-22-10.0 W	105.5	106.7	1040303

Address: (Calvert City) 641 Jary Johnson Rd.

City: Calvert City County: MARSHALL 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	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	23.380	330.300	378.360	36.130	0.970	0.970	0.970	0.970

Antenna: 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	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	0.970	0.970	0.970	14.730	240.930	357.480	49.940	1.230

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	63.740	2.060	0.660	0.660	0.660	4.020	107.530	274.970

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	36-34-49.2 N	088-31-45.2 W	155.5	91.4	1202399

Address: 12201 SR 97

City: TriCity County: GRAVES 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)	75.100	73.400	74.100	70.100	102.600	100.900	74.700	81.300
Transmitting ERP (watts)	0.280	4.680	67.610	91.200	13.180	0.450	0.250	0.200

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.100	73.400	74.100	70.100	102.600	100.900	74.700	81.300
Transmitting ERP (watts)	0.360	0.200	0.200	0.350	18.200	89.130	66.070	2.630

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)	75.100	73.400	74.100	70.100	102.600	100.900	74.700	81.300
Transmitting ERP (watts)	100.000	38.020	0.200	0.380	0.200	0.200	1.260	42.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-05-47.2 N	088-42-35.2 W	104.2	63.4	1200593

Address: (Paducah West) 4415 Merredith Rd.

City: Paducah County: MCCRACKEN State: KY Construction Deadline: 07-08-2014

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)	59.900	55.900	65.200	50.700	38.200	34.700	42.800	64.600
Transmitting ERP (watts)	24.580	50.820	50.310	19.100	0.840	0.330	0.330	1.370

Antenna: 5

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	59.900	55.900	65.200	50.700	38.200	34.700	42.800	64.600
Transmitting ERP (watts)	0.440	0.440	12.210	76.570	112.800	57.980	5.460	0.440

Antenna: 6

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	59.900	55.900	65.200	50.700	38.200	34.700	42.800	64.600
Transmitting ERP (watts)	20.830	0.780	0.440	0.440	2.790	42.940	108.040	89.900

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KKNQ306

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-46-54.2 N	088-03-28.1 W	199.0	126.5	1205551

Address: 14664 Canton Road

City: Golden Pond County: TRIGG State: KY Construction Deadline: 05-19-2006

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	165.000	178.000	160.400	174.500	170.600	167.000	177.000	183.900
Transmitting ERP (watts)	96.610	96.610	96.610	96.610	96.610	96.610	96.610	96.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	36-34-03.0 N	089-10-30.9 W	109.4	91.4	1282534

Address: (Hickman site) Holley Street

City: Hickman County: FULTON State: KY Construction Deadline: 05-28-2014

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.500	102.800	96.700	89.300	75.700	68.400	107.900	107.300
Transmitting ERP (watts)	141.700	118.910	1.140	0.580	0.580	0.580	0.580	4.050

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.500	102.800	96.700	89.300	75.700	68.400	107.900	107.300
Transmitting ERP (watts)	0.580	4.050	141.730	118.910	1.140	0.580	0.580	0.580

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.500	102.800	96.700	89.300	75.700	68.400	107.900	107.300
Transmitting ERP (watts)	0.460	0.460	0.460	0.460	0.460	7.710	45.610	24.600

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-10-55.4 N	088-56-43.7 W	102.7	99.1	1252613

Address: (Monkey's Eyebrow) 4625 Odgen Colvin Circle

City: Kevil County: BALLARD State: KY Construction Deadline: 10-24-2014

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.900	83.500	90.600	69.600	74.300	84.600	86.500	83.200
Transmitting ERP (watts)	7.080	125.890	478.630	112.200	4.570	1.580	1.000	1.000

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.900	83.500	90.600	69.600	74.300	84.600	86.500	83.200
Transmitting ERP (watts)	1.000	1.410	12.020	213.800	446.680	64.570	2.820	1.000

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-10-55.4 N	088-56-43.7 W	102.7	99.1	1252613

Address: (Monkey's Eyebrow) 4625 Odgen Colvin Circle

City: Kevil County: BALLARD State: KY Construction Deadline: 10-24-2014

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)	85.900	83.500	90.600	69.600	74.300	84.600	86.500	83.200
Transmitting ERP (watts)	2.000	2.000	2.000	2.000	2.000	398.110	549.540	4.900

Control Points:

Control Pt. No. 3

Address: 500 W. Dove Rd.

City: Southlake County: TARRANT State: TX Telephone Number: (800)264-6620

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

Table with Call Sign (KNLH404), 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:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNLH404

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: ALLTEL CORPORATION

ATTN: REGULATORY
ALLTEL CORPORATION
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQBT313), File Number, and Radio Service (CW - PCS Broadband).

FCC Registration Number (FRN): 0002942159

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

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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: ALLTEL CORPORATION

Call Sign: WQBT313

File Number:

Print Date:

This license is conditioned upon compliance with the provisions of Applications of AT&T Wireless Services, Inc. and Cingular Wireless Corporation For Consent to Transfer Control of Licenses and Authorizations, Memorandum Opinion and Order, FCC 04-255 (rel. Oct. 26, 2004).

Reference Copy

Licensee Name: ALLTEL CORPORATION

Call Sign: WQBT313

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: ALLTEL CORPORATION

ATTN: REGULATORY
ALLTEL CORPORATION
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQBT318), File Number, and Radio Service (CW - PCS Broadband).

FCC Registration Number (FRN): 0002942159

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

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

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: ALLTEL CORPORATION

Call Sign: WQBT318

File Number:

Print Date:

This license is conditioned upon compliance with the provisions of Applications of AT&T Wireless Services, Inc. and Cingular Wireless Corporation For Consent to Transfer Control of Licenses and Authorizations, Memorandum Opinion and Order, FCC 04-255 (rel. Oct. 26, 2004).

Reference Copy

Licensee Name: ALLTEL CORPORATION

Call Sign: WQBT318

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 (WQGA718), File Number (0007518718), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz)).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date (11-29-2006), Effective Date (12-13-2016), Expiration Date (11-29-2021), Print Date (02-04-2017), Market Number (REA004), Channel Block (F), Sub-Market Designator (15), Market Name (Mississippi Valley), and 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. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

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: WQGA718

File Number: 0007518718

Print Date: 02-04-2017

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 (WQGA960), File Number, and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz)).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date (11-29-2006), Effective Date (11-01-2016), Expiration Date (11-29-2021), Print Date, Market Number (BEA072), Channel Block (B), Sub-Market Designator (0), Market Name (Paducah, KY-IL), 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. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

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: WQGA960

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 (WQJQ692), File Number (0008587218), and Radio Service (WU - 700 MHz Upper Band (Block C)).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number: 0008587218

Print Date: 01-14-2020

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 WQXD406	File Number
Radio Service AT - AWS-3 (1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-04-2016	Effective Date 12-04-2019	Expiration Date 02-04-2028	Print Date
Market Number BEA072	Channel Block I	Sub-Market Designator 0	
Market Name Paducah, KY-IL			
1st Build-out Date 02-04-2022	2nd Build-out Date 02-04-2028	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: WQXD406

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WREF223	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 10-02-2019	Effective Date 10-02-2019	Expiration Date 10-02-2029	Print Date
Market Number C21157	Channel Block L2	Sub-Market Designator 0	
Market Name MARSHALL, 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: WREF223

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG984	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M1	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG984

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG985	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M10	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG985

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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RADIO STATION AUTHORIZATION

LICENSEE: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG986	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M2	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG986

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG987	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M3	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG987

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG988	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M4	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG988

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG989	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M5	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG989

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG990	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M6	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG990

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG991	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M7	Sub-Market Designator 0	
Market Name Paducah, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG991

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG992	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M8	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG992

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG993	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block M9	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG993

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG994	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block N1	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG994

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: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG995	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block N2	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG995

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

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LICENSEE: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG996	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block N3	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG996

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Wireless Telecommunications Bureau

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LICENSEE: STRAIGHT PATH SPECTRUM, LLC

ATTN: REGULATORY
STRAIGHT PATH SPECTRUM, LLC
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHG997	File Number
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0012576435

Grant Date 06-04-2020	Effective Date 06-04-2020	Expiration Date 06-04-2030	Print Date
Market Number PEA243	Channel Block N4	Sub-Market Designator 0	
Market Name Paducah, 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: STRAIGHT PATH SPECTRUM, LLC

Call Sign: WRHG997

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy



5000 VALLEYSTONE DRIVE
CARY, NC 27519

NEW 250' SELF-SUPPORT
W/ 5' LIGHTNING ROD
TOTAL TOWER HEIGHT 255'
VERIZON ANTENNA C.L. 245'

CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
EV DRAFFENVILLE NORTH
LOCATION No. 781214
SPM PROJECT No. 16985006

KY0105 DRAFFENVILLE NORTH CELL SITE

RACEWAY LANE BENTON, KY 42025 MARSHALL COUNTY

TOWER OWNER
TOWERCO
EDWARD SCHAFFER
CARY, NC 27519
PH: (336) 325-1066
EMAIL: ESCHAFFER@TOWERCO.COM

PROPERTY OWNER
RHONDA POWELL
BENTON, KY 42025

UTILITIES - ELECTRIC
JACKSON PURCHASE ENERGY
PADUCAH, KY 42001
PH: (270) 442-7321
EMAIL:

UTILITIES - COMMUNICATIONS
TBA
FIBER PROVIDER NOT
SELECTED AT THE TIME OF
RELEASE

FIRE DEPARTMENT
MARSHALL COUNTY SHERIFF
516 W. 14TH STREET
BENTON, KY 42025
PH: (270) 527-3112

TOWER OWNER LEASE AREA
100'x100'
(10,000 SQ. FT.)

SITE COORDINATES AND ELEVATION
LATITUDE - N36° 56' 48.25" / 36.94674
LONGITUDE - W088° 21' 33.06" / -88.35918
(NAD 83)
GROUND ELEVATION - ±464' AMSL
(NAVD 88)

PROJECT SUMMARY

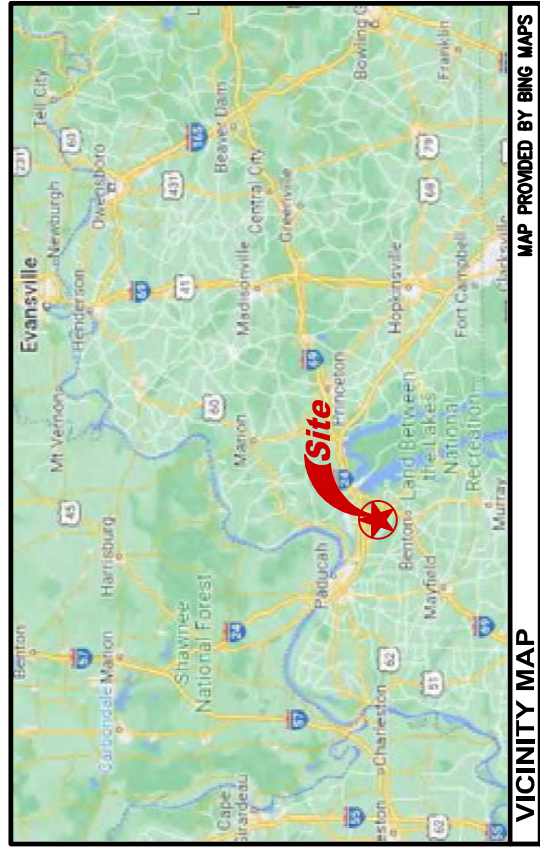
DIRECTIONS TO SITE

BEGINNING AT THE MARSHALL COUNTY SEAT, BENTON, KY TAKE

I-69 NORTH
US-68 (EXIT 47), TURN LEFT (NORTH)
RACEWAY LANE, TURN RIGHT (EAST)

4.2 MILE
1.7 MILE

TO THE SITE ENTRANCE AT THE CUL-DE-SAC AT THE END OF THE STREET



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

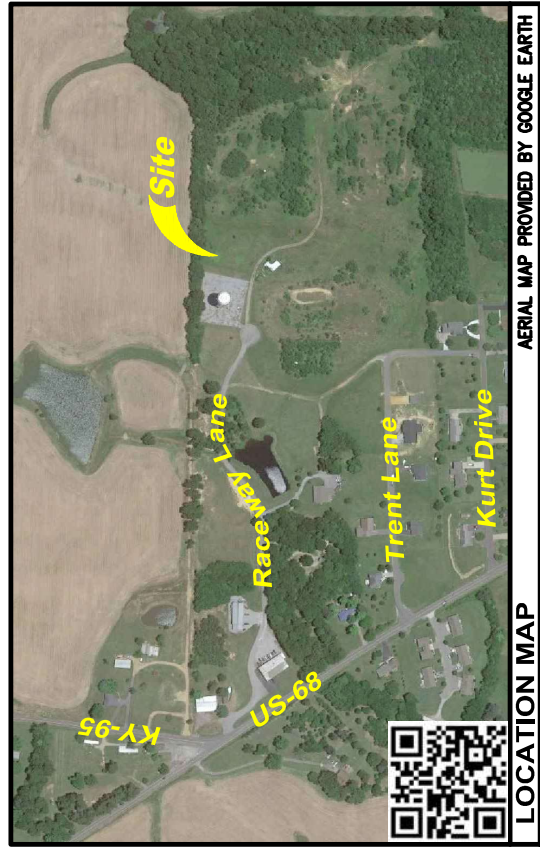
TOWER OWNER SCOPE:

- INSTALL NEW 250' TOWER w/ 5' LIGHTNING ROD (OSH - 255')
- INSTALL NEW TOWER FOUNDATION SYSTEM
- INSTALL NEW 75'x75' FENCED AGGREGATE COMPOUND
- INSTALL NEW ELECTRICAL SERVICE TO SITE & UTILITY H-FRAME IN FENCED COMPOUND
- INSTALL NEW AGGREGATE ACCESS DRIVE
- INSTALL NEW TOWER & SITE SURFACE GROUNDING SYSTEM
- INSTALL NEW VZW EQUIPMENT SUBSURFACE GROUNDING SYSTEM
- INSTALL NEW VZW 11'-0" x 7'-0" CONCRETE EQUIPMENT PAD
- INSTALL NEW VZW 9'-6" x 4'-0" CONCRETE GENERATOR PAD
- INSTALL NEW VZW GALV. ICE BRIDGE, POSTS, & FOUNDATIONS
- INSTALL NEW VZW EQUIPMENT H-FRAME AND FOUNDATIONS
- INSTALL NEW VZW ELECTRIC SERVICE CONDUIT w/ PULL TAPES FROM UTILITY H-FRAME AND STUB-UP AT (VZW INSTALLED) INTEGRATED LOAD CENTER (ILC) LOCATION
- INSTALL NEW VZW CONDUITS w/ PULL TAPES FROM ILC LOCATION AND STUB-UP AT GENERATOR LOCATION
- INSTALL (2) NEW "VERIZON WIRELESS ONLY" FIBER 36"x24" HAND HOLES (1) AT PUBLIC RIGHT-OF-WAY, (1) OUTSIDE FENCE COMPOUND
- INSTALL NEW "VERIZON WIRELESS ONLY" FIBER CONDUIT w/ (3) 1-1/4" INNERDUCT, PULL TAPES, & TRACER WIRE FROM RIGHT-OF-WAY, THEN TO OUTSIDE FENCE COMPOUND THEN TO "VERIZON WIRELESS ONLY" HAND HOLE OUTSIDE FENCE COMPOUND AND STUB-UP AT PRIMARY RF CABINET LOCATION
- PERMANENT ELECTRICAL POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE TOWER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY

VERIZON WIRELESS SCOPE (VZW GC):

- INSTALL NEW VZW 12'-9" x 9'-6" PREFABRICATED GALV. CANOPY AND FOUNDATIONS
- INSTALL NEW VZW ANTENNA, ANTENNA MOUNTS, FEEDLINE, & RADIO EQUIPMENT ON OWNER INSTALLED TOWER
- EXTEND & CONNECT OWNER INSTALLED GROUND LEADS TO VZW EQUIPMENT & FACILITIES
- INSTALL NEW VZW CONDUITS w/ PULL TAPES FROM RF CABINET TO OVP H-FRAME LIT FIBER LOCATION
- INSTALL NEW VZW CONDUITS AND CIRCUITS FROM ILC LOCATION TO EQUIPMENT ENCLOSURES AT VZW EQUIPMENT PAD
- INSTALL VZW GENERATOR CIRCUITS FROM ILC LOCATION & EQUIPMENT ENCLOSURES TO VZW GENERATOR
- INSTALL NEW ELECTRICAL SERVICE CONDUCTOR FROM OWNER INSTALLED UTILITY H-FRAME TO VZW INSTALLED INTEGRATED LOAD CENTER (ILC) IN OWNER INSTALLED CONDUIT

PROJECT DESCRIPTION



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.

BUILDING CODE
2018 KENTUCKY BUILDING CODE
TIA/EIA-222 - REVISION H

STRUCTURAL CODE
2012 INTERNATIONAL MECHANICAL CODE (IMC 2012)

PLUMBING CODE
KENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)

ELECTRICAL CODE
2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70-2008

FIRE/LIFE SAFETY CODE
2012 INTERNATIONAL FIRE CODE (2012 IFC)

ENERGY CODE
2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)

FUEL GAS CODE
2009 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2009 IBC BUILDING CODE.

APPLICABLE CODES

SITE ACQUISITION
CHAILEE TOWER CNSLTS
BEN LOW
INDIANAPOLIS, IN
PH: (317) 417-8630
EMAIL: BENLOW@CONSULTANTS.COM

DESIGN ENGINEERING
MISSION 1 COMMUNICATIONS
DONALD HOFFELMEYER
FORT WAYNE, IN 46804
PH: (260) 436-3922
EMAIL: DHOEFELMEYER@M1COMM.COM

SURVEYOR
BENCHMARK SERVICES, INC.
RALPH WALLEN
HUNTINGBURG, IN 47542
PH: (812) 683-3049
EMAIL: BENCHMARK@M1.TWBCB.COM

CONSULTANT TEAM

DRAWING INDEX

T-1	PROJECT INFORMATION, LOCATION MAPS, AND DRAWING INDEX
1 of 3	SURVEY PLAN
2 of 3	SURVEY PLAN
3 of 3	SURVEY PLAN
TE-1	TOWER ELEVATION, NOTES AND DETAILS
C-1	OVERALL SITE PLAN w/ AERIAL OVERLAY
C-1A	OVERALL SITE PLAN w/ TOWER LEG DISTANCES TO PROPERTY LINES
C-1B	OVERALL SITE PLAN w/ TOWER LEG DISTANCES TO RESIDENTIAL STRUCTURES
C-1C	500' RADIUS AND ADJOINER MAP
C-2	DETAILED SITE PLAN
C-3	DIMENSIONED SITE PLAN
D-1	VERIZON EQUIPMENT PAD AND CANOPY ELEVATIONS

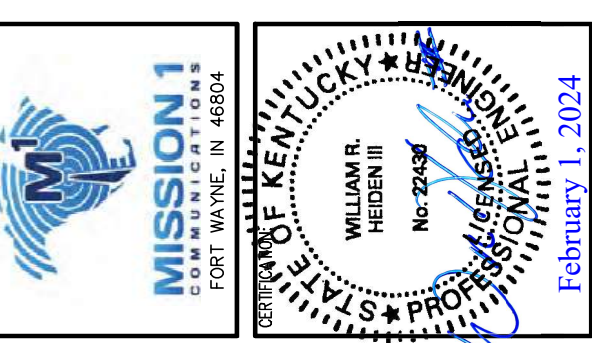
**KY0105
DRAFFENVILLE
NORTH
CELL SITE**

SITE ADDRESS:
RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:

PROJECT INFORMATION, LOCATION MAPS, AND DRAWING INDEX

SHEET NO.:



RELEASE DATE	11-10-2023	LEASE EXHIBIT
DATE	01-31-2024	ZONING DRAWINGS

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. ANY REPRODUCTION OR USE OF THIS DRAWING AND/OR INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

SITE NAME:



TowerCo IV Holdings, LLC
5000 Valleystone Dr.
Suite 200
Cary, NC 27519
919-653-5700



6202-C CONSTITUTION DRIVE
FT. WAYNE, IN 46804
PHONE: 260.436.3922



Consulting Engineers
Land Surveyors
318 North Main Street
Huntingburg, IN 47542
(812) 683-3049
benchmark@mw.twcbsc.com

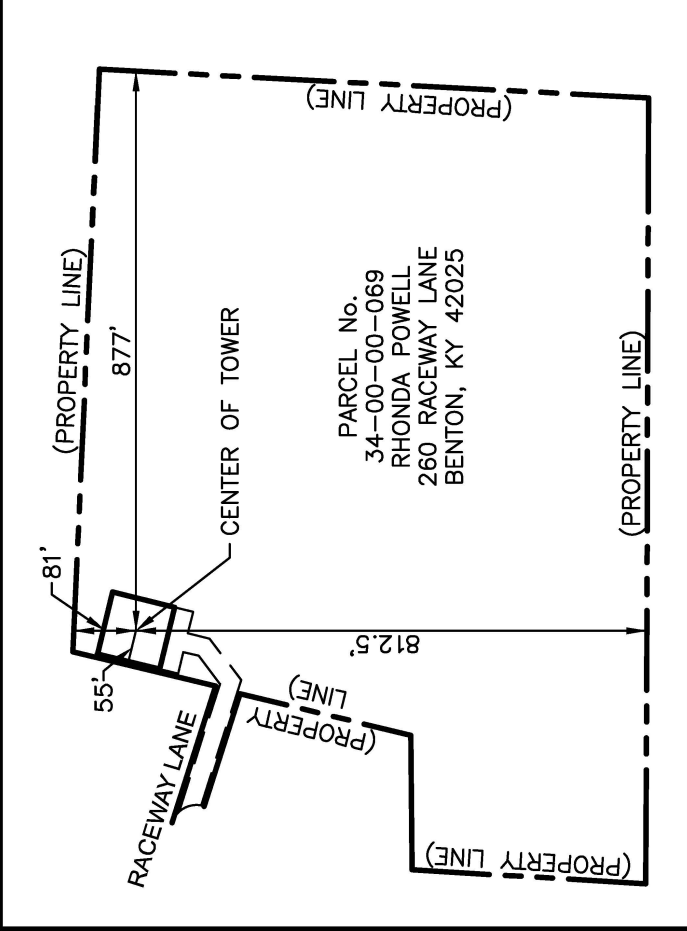
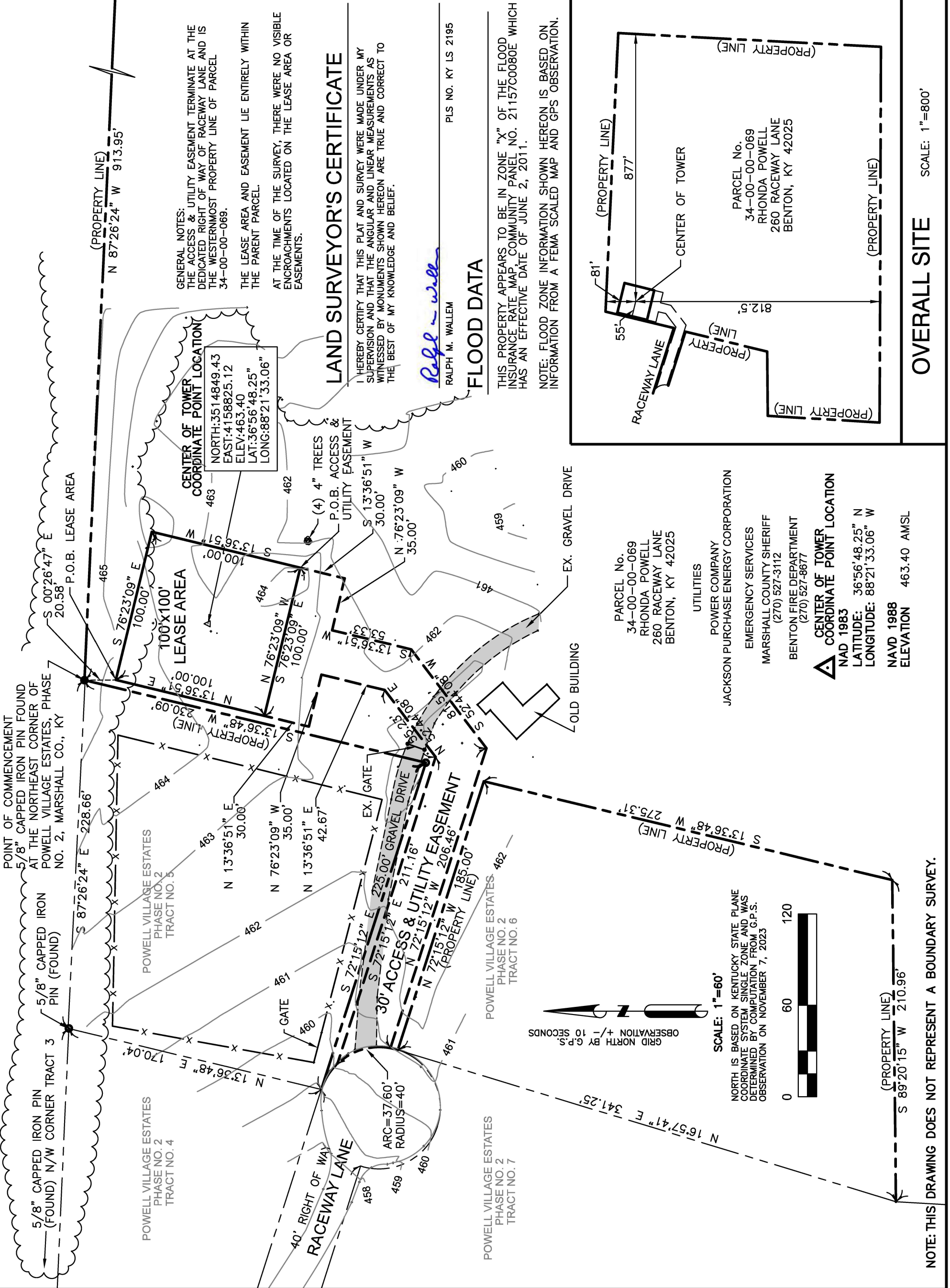
SITE No.	781214
SITE NAME:	EV DRAFFENVILLE NORTH
SITE ADDRESS:	RACEWAY LANE BENTON, KY 42025
LEASE AREA:	10000 SQ. FT.
PROPERTY OWNER:	RHONDA POWELL 260 RACEWAY LANE BENTON, KY 42025
COUNTY:	MARSHALL COUNTY
PARCEL NO.:	34-00-00-069
LATITUDE:	36°56'48.25" N
LONGITUDE:	88°21'33.06" W

DWG BY:	GVW	CHKD BY:	RMW	DATE:	11.16.23
NO.		REVISION/ISSUE		DATE:	

STATE OF KENTUCKY
RALPH M. WALLEM
WALLEM
2195
LICENSED
PROFESSIONAL
LAND SURVEYOR

TITLE: SURVEY PLAN

SHEET: 1 OF 3



TITLE COMMITMENT

U.S. TITLE SOLUTIONS

File No. UST75908 Reference No. KY0105

Prepared For: TowerCo IV Holdings LLC

Premises: Parcel: County:
off Raceway Lane, Draffenville, KY 42025 34--00--00--069
Marshall

DATE OF REPORT : August 25, 2023

SCOPE OF SEARCH: Beginning March 01, 1950 and extending through August 11, 2023, a search of the land records for the jurisdiction where the property is located was conducted and we have reported what was found regarding taxes; deeds; mortgages; easements and right of ways; covenants and restrictions; judgments; liens and UCCs; and other matters commonly recorded or filed in the County records.

THE ESTATE OR INTEREST IN THE LAND DESCRIBED OR REFERRED TO IN THIS REPORT IS:

Fee Simple
TITLE TO SAID ESTATE OR INTEREST IN THE LAND DESCRIBED OR REFERRED TO IN THIS REPORT IS AT THE EFFECTIVE DATE HEREOF VESTED IN:
Rhonda B. Powell

SOURCE OF TITLE :

Deed made by Rhonda B. Powell, a/k/a Rhonda Ruth Powell, a/k/a Rhonda Ball Powell, single, Dated October 12, 2009, Recorded November 13, 2009, in Book 394, Page 132.
Quit Claim Deed made by T.K. Raceway, Inc. a Kentucky Corporation, Dated October 12, 2009, Recorded November 13, 2009, in Book 394, Page 124.

SCHEDULE B--SECTION II
(NO SCHEDULE "B" ITEMS TO ADDRESS)

SURVEY CERTIFICATE:

I CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITNESSED BY MONUMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY ABILITY AND BELIEFS.

THIS SURVEY AND PLAT MEETS OR EXCEEDS THE MINIMUM STANDARDS OF THE GOVERNING AUTHORITIES.

SURVEYOR STATEMENT--MY COMMENTS ARE BASED SOLELY ON THE TITLE DOCUMENT THAT HAVE BEEN SUPPLIED TO ME BY THE TITLE COMPANY . SINCE THE TITLE DOCUMENTS ARE FURNISHED FOR THE PARENT TRACT, OUR TOPOGRAPHIC SURVEY IS OF A PORTION OF THAT TRACT. MY COMMENTS ARE RESTRICTED TO EXCLUSIONS THAT I CAN DETERMINE AFFECT ONLY OUR PORTION OF THE PARENT TRACT. NO BOUNDARY SURVEY WAS PERFORMED ON THE PARENT TRACT, THUS IT IS NOT POSSIBLE TO DETERMINE WITH CERTAINTY EXCLUSIONS REFERENCING THE PARENT TRACT.

SCHEDULE "B" SECTION II EXCEPTIONS

TITLE DOES NOT INCLUDE ANY SCHEDULE "B" ITEMS.

Ralph M. Wallen

PARENT PARCEL DESCRIPTION FURNISHED TO BENCHMARK SERVICES, INC
NO SURVEY WAS PERFORMED

100x100' LEASE AREA DESCRIPTION

A PART OF A PARCEL OF LAND LOCATED APPROXIMATELY ONE MILE SOUTHEAST OF PALMA, KENTUCKY, ON THE EAST SIDE OF HIGHWAY 68 AT THE INTERSECTION OF HIGHWAYS 68 AND 95, ACCORDING TO THE PARENT PARCEL DEED, SITUATED IN MARSHALL COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

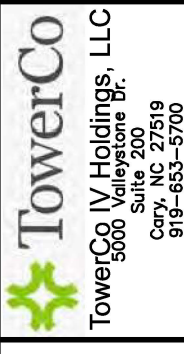
COMMENING AT A 5/8" CAPPED IRON PIN FOUND AT THE NORTHEAST CORNER OF POWELL VILLAGE ESTATES, PHASE 2, IN SAID MARSHALL COUNTY; THENCE SOUTH 00 DEGREES 26 MINUTES 47 SECONDS EAST 20.58 FEET TO THE NORTHWEST LEASE CORNER AND BEING THE TRUE PLACE OF BEGINNING; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 100.00 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 100.00 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, (0.23 ACRES), MORE OR LESS.

30' ACCESS & UTILITY DESCRIPTION

A PART OF A PARCEL OF LAND LOCATED APPROXIMATELY ONE MILE SOUTHEAST OF PALMA, KENTUCKY, ON THE EAST SIDE OF HIGHWAY 68 AT THE INTERSECTION OF HIGHWAYS 68 AND 95, ACCORDING TO THE PARENT PARCEL DEED, SITUATED IN MARSHALL COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENING AT A 5/8" CAPPED IRON PIN FOUND AT THE NORTHEAST CORNER OF POWELL VILLAGE ESTATES, PHASE 2, IN SAID MARSHALL COUNTY; THENCE SOUTH 00 DEGREES 26 MINUTES 47 SECONDS EAST 20.58 FEET TO THE NORTHWEST LEASE CORNER; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING; SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 30.00 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 35.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 53.33 FEET; THENCE SOUTH 52 DEGREES 44 MINUTES 08 SECONDS WEST 81.51 FEET; THENCE NORTH 72 DEGREES 15 MINUTES 12 SECONDS WEST 206.46 FEET; THENCE ALONG THE ARC OF AN EXISTING CUL-DE-SAC BEARING TO THE LEFT AND HAVING A RADIUS 40 FEET A DISTANCE ALONG THE ARC OF 37.60 FEET; THENCE SOUTH 72 DEGREES 15 MINUTES 12 SECONDS EAST 211.16 FEET; THENCE NORTH 52 DEGREES 44 MINUTES 08 SECONDS EAST 55.23 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 42.67 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 35.00 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 30.00 FEET; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 12,649 SQUARE FEET, (0.29 ACRES), MORE OR LESS.

THE ABOVE DESCRIBED PARCELS ARE SUBJECT TO ALL LEGAL RIGHTS OF WAYS AND EASEMENTS OF RECORD.



TowerCo IV Holdings, LLC
5000 Valleystone Dr.
Suite 200
Cary, NC 27519
919-653-5700



6202-C CONSTITUTION DRIVE
FT. WAYNE, IN 46804
PHONE: 260.436.3922



Consulting Engineers
Land Surveyors
318 North Main Street
Huntingburg, IN 47542
(812) 683-3049
benchmark@mw.tbcb.com

SITE No.	781214
SITE NAME:	EV DRAFFENVILLE NORTH
SITE ADDRESS:	RACEWAY LANE BENTON, KY 42025
LEASE AREA:	10000 SQ. FT.
PROPERTY OWNER:	RHONDA POWELL 260 RACEWAY LANE BENTON, KY 42025
COUNTY:	MARSHALL COUNTY
PARCEL NO.:	34--00--00--069
LATITUDE:	36°56'48.25" N
LONGITUDE:	88°21'33.06" W
DWG BY:	GVW
CHKD BY:	RMW
DATE:	11.16.23
NO.	
REVISION/ISSUE	
DATE:	



TITLE: SURVEY PLAN

SHEET: 2 OF 3

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Ralph M. Wallen

RALPH M. WALLEM

PLS NO. KY LS 2195

PARENT PARCEL DESCRIPTION

EXHIBIT "A"

PROPERTY 1

Situated in Marshall County, Kentucky, viz:

TRACT I:

A 25.36 acre tract of land located approximately one mile Southeast of Palma, Kentucky, on the east side of Highway 68 at the intersection of Highways 68 and 95 and more particularly described as follows:

Beginning at an iron pin set 30 feet East of the centerline of Highway 95 and 90 feet North of the intersection of the east right-of-way of Highway 95 with the east right-of-way of Highway 68, said pin is the southwest corner of Sanders Watkins property and the northwest corner of the herein described property; thence, with a curve to the left with an arc of 186.57 feet and a radius of 246.68 feet with a long chord bearing South 7° 14' East for a distance of 182.16 feet to an iron pin set 30 feet East of the centerline of Highway 68; thence, with the east right-of-way of said highway, South 29° 6' East 385.34 feet to an iron fence post, said fence post being the northwest corner of Julian Henson's property as recorded in Deed Book 204, page 77; thence, with Henson's north line, North 66° 56' East 262.45 feet to an iron fence post, said post being Henson's northeast corner; thence, South 7° 22' East 57.70 feet to an iron pin set in Henson's east property line; thence with a new division line of the Powell property, South 84° 2' East 2186.80 feet to an iron pin in Watkins line; thence, with Watkins line North 5° 14' East 421.61 feet to an iron pin; thence, with Watkins line North 84° 2' West 2687.19 feet to the point of beginning.

TRACT II:

A 25.38 acre tract of land located approximately one mile Southeast of Palma, Kentucky, on the east side of Highway 68 near the intersection of Highways 68 and 95 and more particularly described as follows:

Beginning at an iron post set 30 feet East of the centerline of Highway 68 and 717 feet North of the northwest corner of Charles Mills property as recorded in Deed Book 172, page 173, said iron post being the southwest corner of Julian Henson's property as recorded in Deed Book 204, page 77; thence, with the east right-of-way of Highway 68 South 25° 46' East 358.45 feet to an iron pin; thence, with a new division line of the Powell property, South 87° 7' East 2136.50 feet to an iron pin in Sanders Watkins property line; thence, with Watkins line, North 5° 14' East 442.41 feet to an iron pin; thence, with a new line of division in the Powell's property, North 84° 2' West 2186.80 feet to an iron pin in the east line of Henson's property; thence, with Henson's east line, South 7° 22' East 207.30 feet to the southeast corner of Henson's property; thence, with the south line of Henson's property, South 80° 1' West 184.34 feet to the point of beginning.

LESS AND EXCEPT:

An off-conveyance of a 1.187 acre tract plus a 16' wide easement for ingress and egress to Jeffery A. Holley and Paula M. Holley, dated January 3, 1997 of record in Deed Book 292, page 560, and Deed of Correction of record in Deed Book 347, page 97, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of a 21.40 acre tract from David Powell and Rhonda Powell to T. K. Raceway, Inc. dated March 22, 1994 of record in Deed Book 269, page 206, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 20, Powell Village Estates Subdivision, from David W. Powell and wife, Rhonda Ruth Powell, to Brian Keith Evans, dated May 30, 2000 of record in Deed Book 319, page 304, Marshall County Court Clerks' Office.

LESS AND EXCEPT: An off-conveyance of Lot 10, Powell Village Estates Subdivision, from David Powell and wife, Rhonda Powell, to Rhonda Powell, dated November 26, 2001 of record in Deed Book 330, page 139, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 19, Powell Village Estates Subdivision, from David Powell and wife, Rhonda Powell, to Trent Powell and Amanda Etheridge, dated April 16, 2003 of record in Deed Book 340, page 266, Marshall County Court Clerks' Office.

LESS AND EXCEPT: An off-conveyance of a 2 acre tract from David Powell and wife, Rhonda Powell, to Mike Coursey and wife, Rhonda Coursey, dated ?, 2004, acknowledged January 29, 2004, of record in Deed Book 347, page 66, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 11, Powell Village Estates Subdivision, from David W. Powell and wife, Rhonda Ruth Powell, to Brian Keith Evans and wife, Christie Evans, dated August 30, 2004 of record in Deed Book 352, page 352, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of a 1.135 acre tract from David Powell and wife,

Rhonda Powell, to Kenneth Shane Vandeveld, dated January 28, 2005 of record in Deed Book 355, page 251, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Tract No. 8 of Powell Village Estates Subdivision, Phase No. 2, to Rhonda B. Powell by virtue of a deed dated the 12th day of October, 2009, of record in Deed Book 394, page 129, Marshall County Court Clerk's Office.

TRACT III:

A 25.38 acre tract of land located approximately one mile southeast of Palma, Kentucky on the east side of Highway 68 approximately 100 feet north of Zion's Cause Baptist Church property and more particularly described as:

Beginning at an iron pin set 30 feet east of the centerline of Highway 68 and approximately 1410 feet south of the intersection of the east right-of-way of Highway 95 with the east right-of-way of Highway 68. Said iron pin is the northwest corner of Charles Mills property as recorded in Deed Book 172, page 173, and the southwest corner of the property herein conveyed; thence, with Mills north line south 83 deg. 57 min. East 203.72 feet to an iron pin; thence, with Mills east line south 22 deg. 18 min. east 79.94 feet to an iron pin; thence, with Zion's Cause Baptist Church property line south 83 deg. 48 min. east 628.27 feet to an iron fence post; thence, with said Church east line south 5 deg. 57 min. west 206.82 feet to an iron fence post; thence, with Rudolph's line south 84 deg. 9 min. east 1090.68 feet to an iron pin in Sanders Watkins line; thence, with Watkins line north 5 deg. 14 min. East 702.20 feet to an iron pin; thence, with a new line of division of the Powell property North 87 deg. 7 min. west 2136.50 feet to an iron pin in the east right-of-way of highway 68; thence, with the east side of said highway South 24 deg. 30 min. east 358.45 feet to the point of beginning.

The above description furnished by Carl L. Holt, Registered Land Surveyor Number 2132. LESS AND EXCEPT the following off-conveyances from Powell Village Estate Phase 1 of record in Slide 716, Marshall County Court Clerk's Office:

Deed Book 276, page 83 (Lot 1); Deed Book 363, page 183 (Lot 7);
Deed Book 269, page 683 (Lot 2); Deed Book 286, page 430 (Lot 8);
Deed Book 273, page 228 (Lot 3); Deed Book 274, page 218 (Lot 9);
Deed Book 269, page 649 (Lot 4); Deed Book 330, page 139, (Lot 10);
Deed Book 282, page 39 (Lot 5); Deed Book 352, page 352 (Lot 11); and
Deed Book 315, page 139 (Lot 6);

PROPERTY 2

Situated in Marshall County, KY, to wit:

A 21.40 acre (more or less) tract of land located approximately one mile Southeast of Palma, KY, and more particularly described as follows:

Beginning at an iron pin which lies in the southeast corner of the land described as Tract II in the 1986 deed to David Powell, et ux, of record in Deed Book 217, page 113, Marshall County Court Clerk's Office, and which lies in the northeast corner of the land described in the deed to David Powell, et ux, of record in Deed Book 260, page 651, Marshall County Court Clerk's Office (hereinafter referred to as "Church Estates"); thence, N. 5° 14' 00" E. a distance of 864.02 feet to an iron pin; thence, N. 84° 2' 00" W. a distance of 1,100 feet; thence, parallel to the first call to the south line of Church Estates property a distance of 831 feet, more or less; thence, along the south line of Church Estates property S. 87° 7' 00" E. a distance of 1,100 feet to our point of beginning.

EXCEPTING THEREFROM that portion conveyed to ZION'S CAUSE BAPTIST CHURCH, INC. by Deed dated July 27, 2012 and recorded on July 31, 2012 of record in Deed Book 414, Page 484, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to North Marshall Water District by Deed dated May 13, 2013 and recorded on May 13, 2013 of record in Deed Book 420, Page 245, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Rhonda B. Thompson (a/k/a Rhonda B. Powell Thompson), by Deed dated August 24, 2017 and recorded on August 24, 2017, of record in Deed Book 453, Page 671, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Rhonda B. Thompson (a/k/a Rhonda B. Powell Thompson), by Deed dated September 7, 2017 and recorded on September 8, 2017, of record in Deed Book 454, Page 206, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Jess M. Martin and husband, Blake D. Martin by Deed dated May 13, 2021 and recorded on May 14, 2021 of record in Deed Book 406, Page 406, in the Office aforesaid.

TowerCo
TowerCo IV Holdings, LLC
5000 Valleystone Dr.
Suite 200
Cary, NC 27519
919-653-5700

MISSION 1
COMMUNICATIONS
6202-C CONSTITUTION DRIVE
FT. WAYNE, IN 46804
PHONE: 260.436.3922

BENCHMARK SERVICES, INC.
Consulting Engineers
Land Surveyors
318 North Main Street
Huntingburg, IN 47542
(812) 683-3049
benchmark@mw.twbcc.com

SITE No.	781214
SITE NAME:	EV DRAFFENVILLE NORTH
SITE ADDRESS:	RACEWAY LANE BENTON, KY 42025
LEASE AREA:	10000 SQ. FT.
PROPERTY OWNER:	RHONDA POWELL 260 RACEWAY LANE BENTON, KY 42025
COUNTY:	MARSHALL COUNTY
PARCEL NO.:	34-00-00-069
LATITUDE:	36°56'48.25" N
LONGITUDE:	88°21'33.06" W
DWG BY:	GVW
CHD BY:	RMW
DATE:	11.16.23
NO.	
REVISION/ISSUE	

STATE OF KENTUCKY
RALPH M. WALLEM
2195
LICENSED PROFESSIONAL LAND SURVEYOR

TITLE:	SURVEY PLAN
SHEET:	3 OF 3



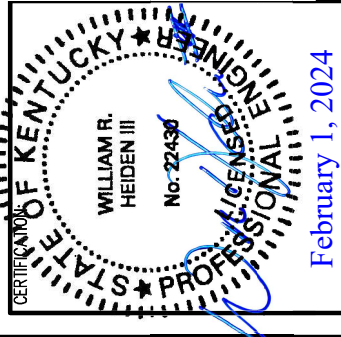
CARY, NC 27519



CELLCO PARTNERSHIP, d/b/a
CHANDLER, IN 47610



MISSION 1 COMMUNICATIONS
FORT WAYNE, IN 46804



February 1, 2024

RELEASE	
DATE	11-10-2023 LEASE EXHIBIT
	01-31-2024 ZONING DRAWINGS

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SITE NAME:

**KY0105
DRAFFENVILLE
NORTH
CELL SITE**

SITE ADDRESS:

RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:

TOWER ELEVATION,
NOTES AND DETAILS

SHEET NO.:

TE-1

General Notes

- VERIFY EACH COAXIAL CABLE LENGTH, ROUTING, AND ALL MOUNTING APPURTENANCES WITH OWNER PRIOR TO ORDERING.
- COLOR CODE ALL MAIN CABLES, VERIFY COLOR CODES WITH VERIZON CONSTRUCTION MANAGER. CABLES TO BE TAGGED IN TWO (2) LOCATIONS:
 - AT OVP AT ANTENNA ELEVATION
 - AT OVP ON EQUIPMENT H-FRAME ADJACENT TO RF CABINETS
- EACH COAX CABLE SHALL BE SUPPORTED WITH COLUMN GRIP HUNG FROM A J-HOOK AT THE TOP OF THE TOWER.
- EACH COAX CABLE SHALL BE GROUNDED AT THREE (3) LOCATIONS:
 - TOWER PLATFORM OR T-FRAME
 - TOWER BASE
 - AT EQUIPMENT LOCATION PRIOR TO TERMINATING AT OVP MOUNTED ON EQUIPMENT H-FRAME
- COAX CABLE TO BE SUPPORTED EVERY 3' O.C. ON PLATFORM OR T-FRAME WITH STAINLESS STEEL HANGERS.
- COAX CABLES TO BE SUPPORTED ON THE TOWER EVERY 18" WITH STAINLESS STEEL HANGERS.
- VERIZON COAX CABLE TO BE ROUTED UP FACE OF SELF-SUPPORT TOWER.
- REFER TO STRUCTURAL ANALYSIS REPORT FOR ADDITIONAL INFORMATION PERFORMED BY:
NOT AVAILABLE AT THIS TIME OF RELEASE
- REFER TO MOUNT ANALYSIS REPORT FOR ADDITIONAL INFORMATION PERFORMED BY:
NOT AVAILABLE AT THIS TIME OF RELEASE

TOWER STRUCTURE AND FOUNDATIONS DESIGNED BY OTHERS

VERIZON TOWER MOUNTED ANTENNA AND EQUIPMENT

PROPOSED SIX (6) COMMSCOPE NHH-65C-R2B PANEL ANTENNA TO BE INSTALLED (2 PER SECTOR)

PROPOSED THREE (3) COMMSCOPE BSAMINT-SBS-1-2 DUAL ANTENNA MOUNT TO BE INSTALLED (1 PER SECTOR)

PROPOSED THREE (3) ERICSSON AIR6419 B77 ANTENNA INTEGRATED RADIO TO BE INSTALLED (1 PER SECTOR)

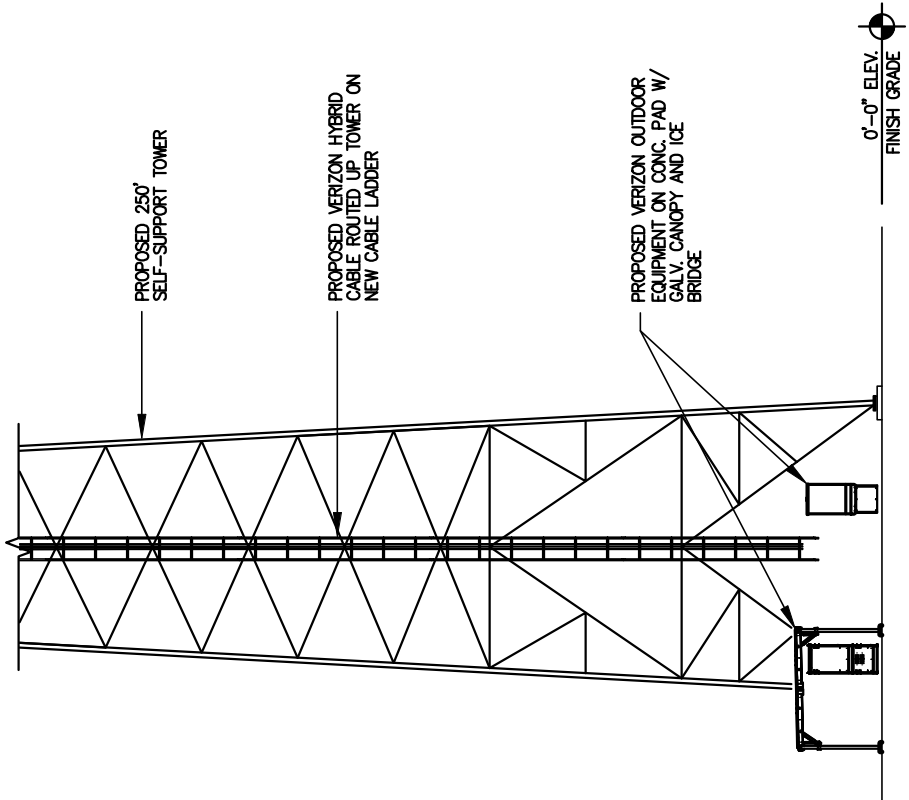
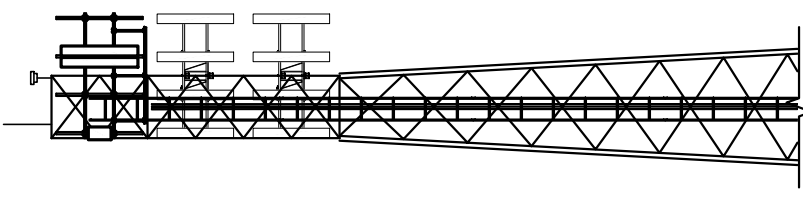
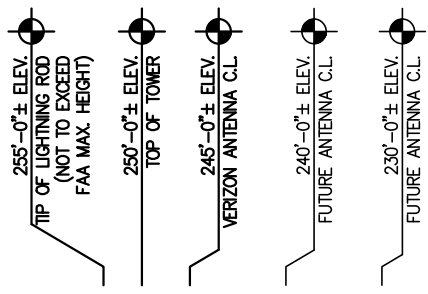
PROPOSED TWO (2) RAYCAP RVZDC-6627-PF-48 OVP

PROPOSED THREE (3) ERICSSON 4449 B5/B13 RADIO TO BE INSTALLED (1 PER SECTOR)

PROPOSED THREE (3) ERICSSON 8843 B2/B66 RADIO TO BE INSTALLED (1 PER SECTOR)

PROPOSED THREE (3) SABRE C10857007C-4108-278W HD SECTOR FRAME MOUNT TO BE INSTALLED (1 PER SECTOR)

PROPOSED THREE (2) ROSENBERGER HCH-86244 HYBRID CABLE (TOTAL LENGTH 220' - THIS CABLE LENGTH IS APPROXIMATE AND IS NOT USED FOR CONSTRUCTION. ACTUAL CABLE LENGTHS MAY VARY FROM ESTIMATED MAXIMUM LENGTH AND MUST BE VERIFIED)



Tower Elevation

SCALE: 1" = 20'-0"



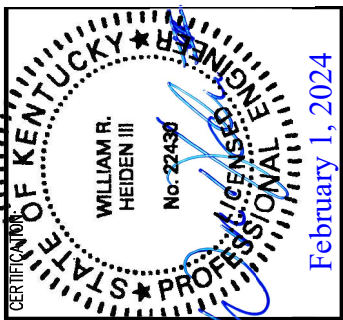
CARY, NC 27519



CELLCO PARTNERSHIP, d/b/a
CHANDLER, IN 47610



MISSION 1 COMMUNICATIONS
FORT WAYNE, IN 46804



February 1, 2024

RELEASE	
DATE	11-10-2023 LEASE EXHIBIT
	01-31-2024 ZONING DRAWINGS

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SITE NAME:

**KY0105
DRAFFENVILLE
NORTH
CELL SITE**

SITE ADDRESS:

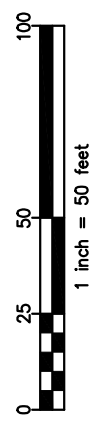
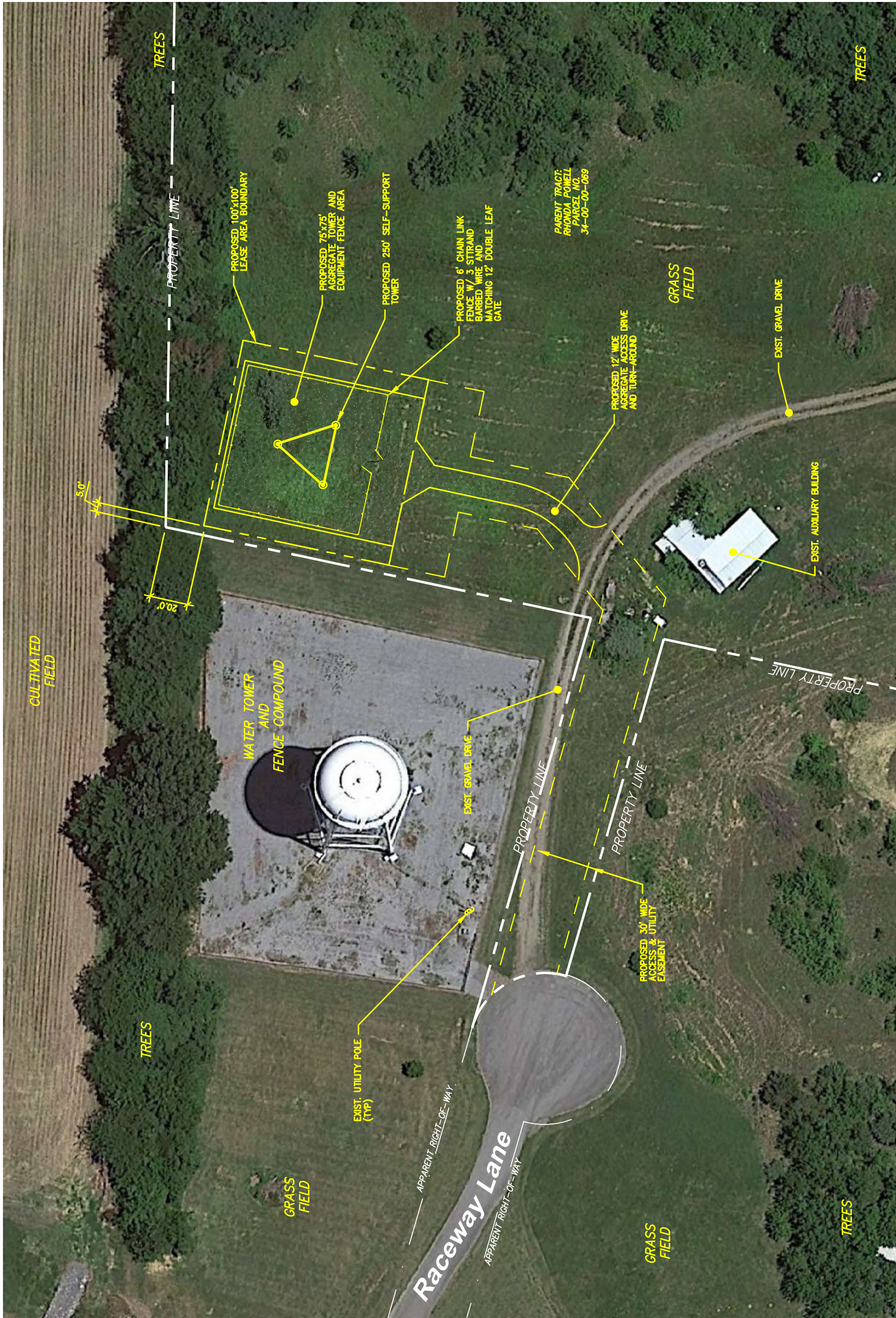
RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:

OVERALL SITE PLAN
w/ AERIAL OVERLAY

SHEET NO.:

C-1



Overall Site Plan w/ Aerial Overlay



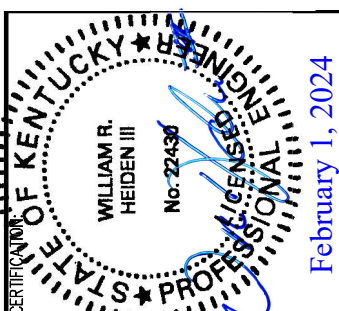
CARY, NC 27519



CELLCO PARTNERSHIP, d/b/a
CHANDLER, IN 47610



MISSION 1 COMMUNICATIONS
FORT WAYNE, IN 46804



RELEASE DATE	LEASE EXHIBIT
11-10-2023	
01-31-2024	ZONING DRAWINGS

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SITE NAME:

**KY0105
DRAFFENVILLE
NORTH
CELL SITE**

SITE ADDRESS:

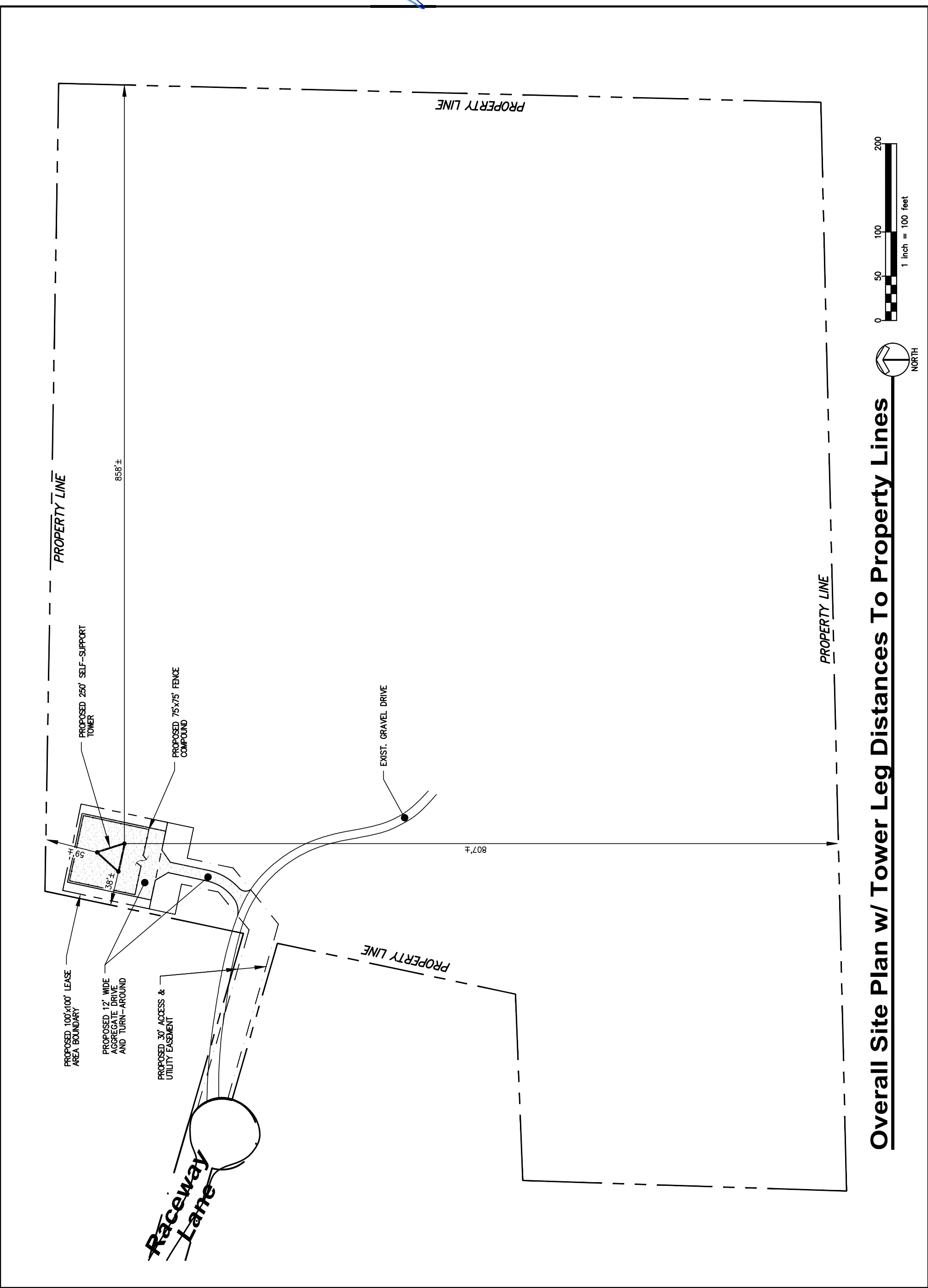
RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:

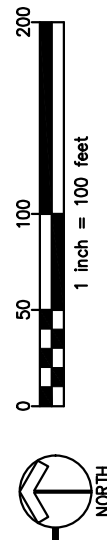
OVERALL SITE PLAN
w/ TOWER LEG
DISTANCES TO
PROPERTY LINES

SHEET NO.:

C-1A



Overall Site Plan w/ Tower Leg Distances To Property Lines





CARY, NC 27519

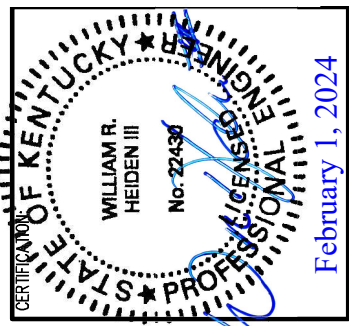


CELLCO PARTNERSHIP, d/b/a

CHANDLER, IN 47610



MISSION 1 COMMUNICATIONS FORT WAYNE, IN 46804



February 1, 2024

RELEASE DATE	LEASE EXHIBIT	ZONING DRAWINGS
11-10-2023		
01-31-2024		

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SITE NAME:

KY0105 DRAFFENVILLE NORTH CELL SITE

SITE ADDRESS:

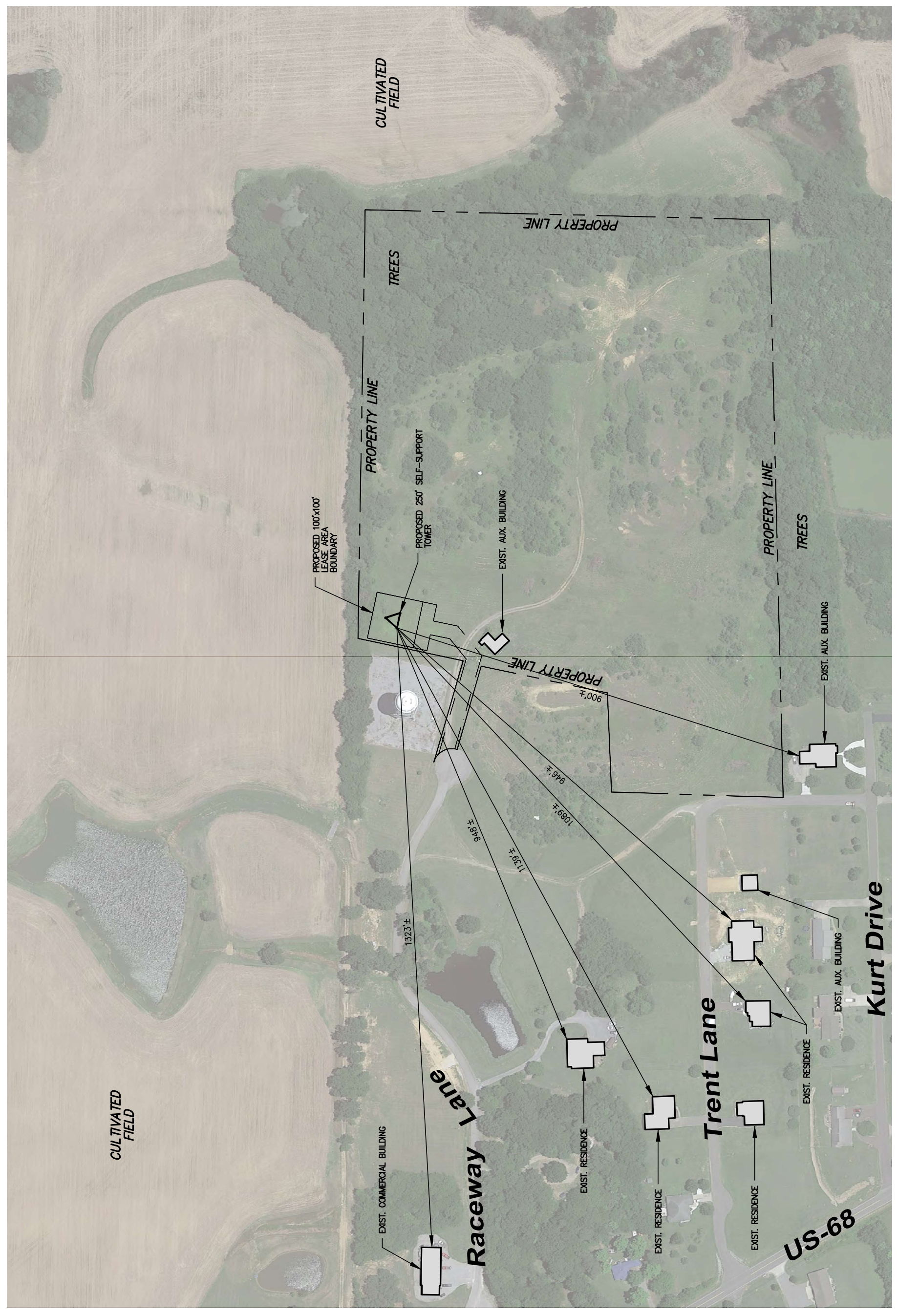
RACEWAY LANE BENTON, KY 42025

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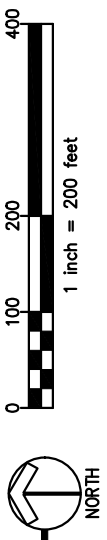
OVERALL SITE PLAN w/ TOWER LEG DISTANCES TO RESIDENTIAL STRUCTURES

SHEET NO.:

C-1B



Overall Site Plan w/ Tower Leg Distances To Residential Structures





CARY, NC 27519

CELLCO
PARTNERSHIP, d/b/a



CHANDLER, IN 47610



MISSION 1
COMMUNICATIONS
FORT WAYNE, IN 46804



February 1, 2024

RELEASE DATE
11-10-2023 LEASE EXHIBIT
01-31-2024 ZONING DRAWINGS

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SITE NAME:

**KY0105
DRAFFENVILLE
NORTH
CELL SITE**

SITE ADDRESS:

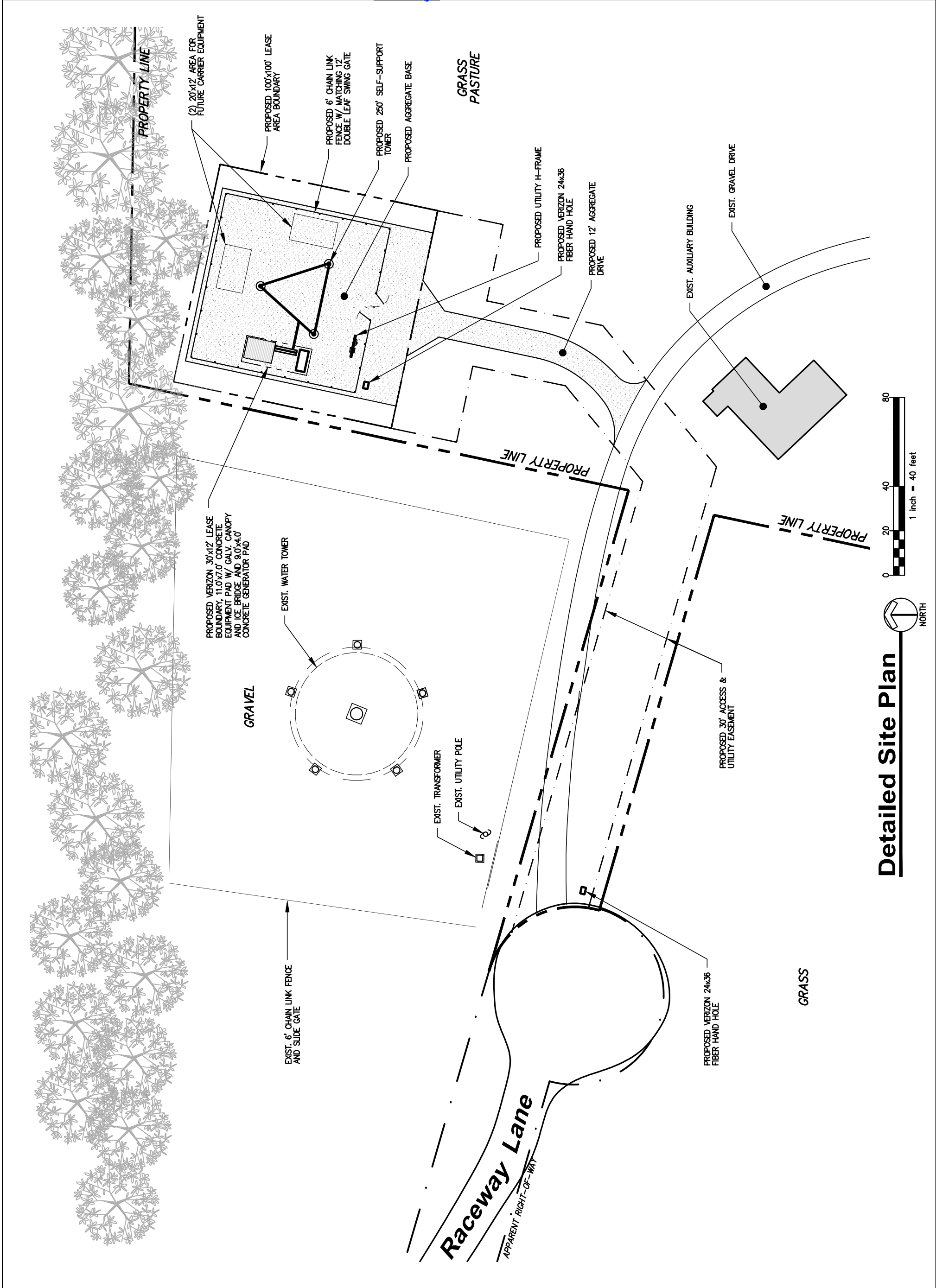
RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:

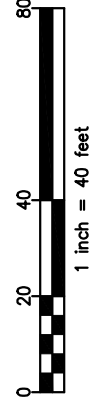
DETAILED SITE PLAN

SHEET NO.:

C-2



Detailed Site Plan



RELEASE	DATE
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01-31-2024 ZONING DRAWINGS	

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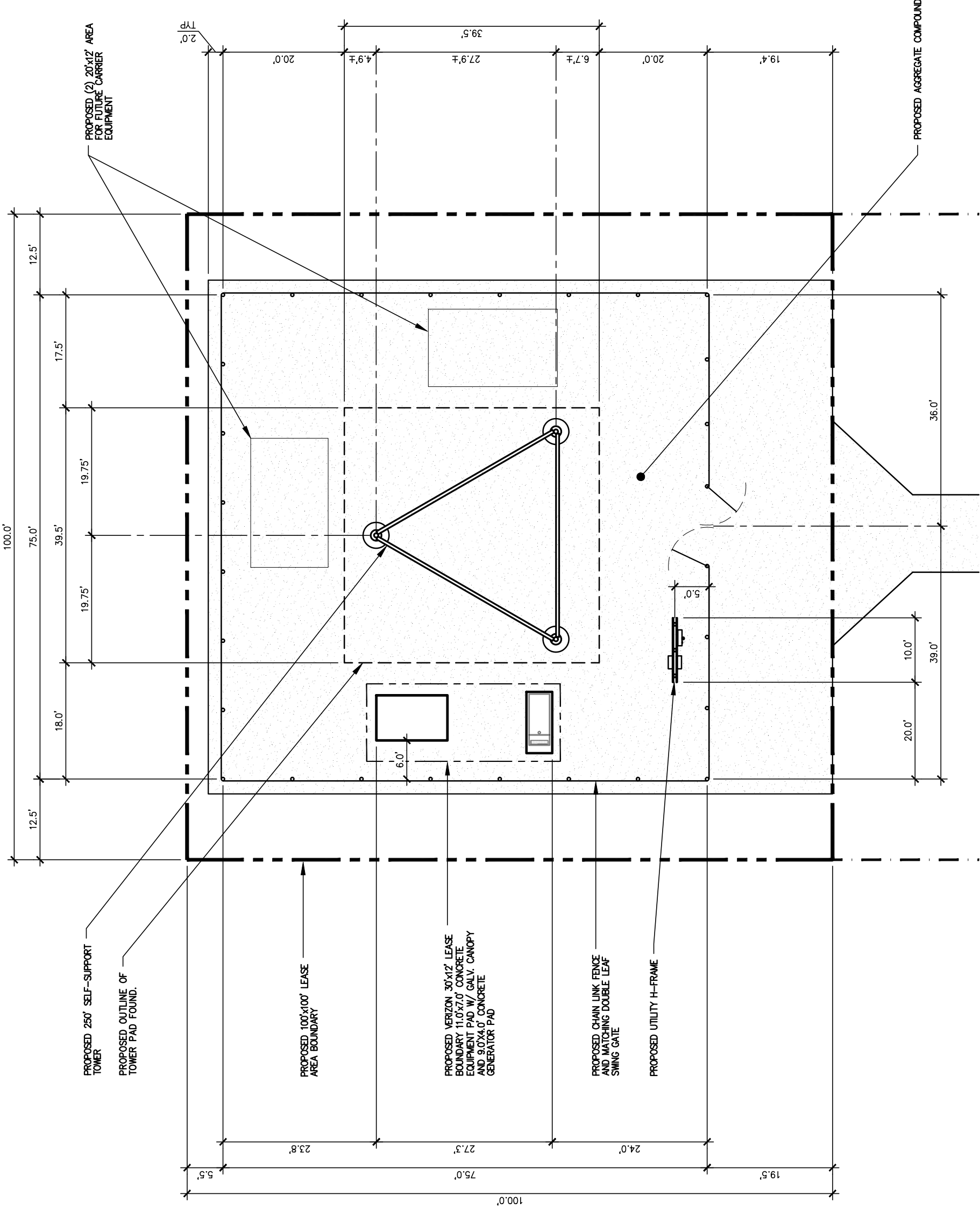
SITE NAME:

KY0105
DRAFFENVILLE
NORTH
CELL SITE

SITE ADDRESS:
RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:
DIMENSIONED SITE PLAN

SHEET NO.:
C-3



Dimensioned Site Plan

NORTH ↑

1 inch = 16 feet

0 8 16 32

RELEASE	
DATE	11-10-2023 LEASE EXHIBIT
	01-31-2024 ZONING DRAWINGS

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SITE NAME:

**KY0105
DRAFFENVILLE
NORTH
CELL SITE**

SITE ADDRESS:

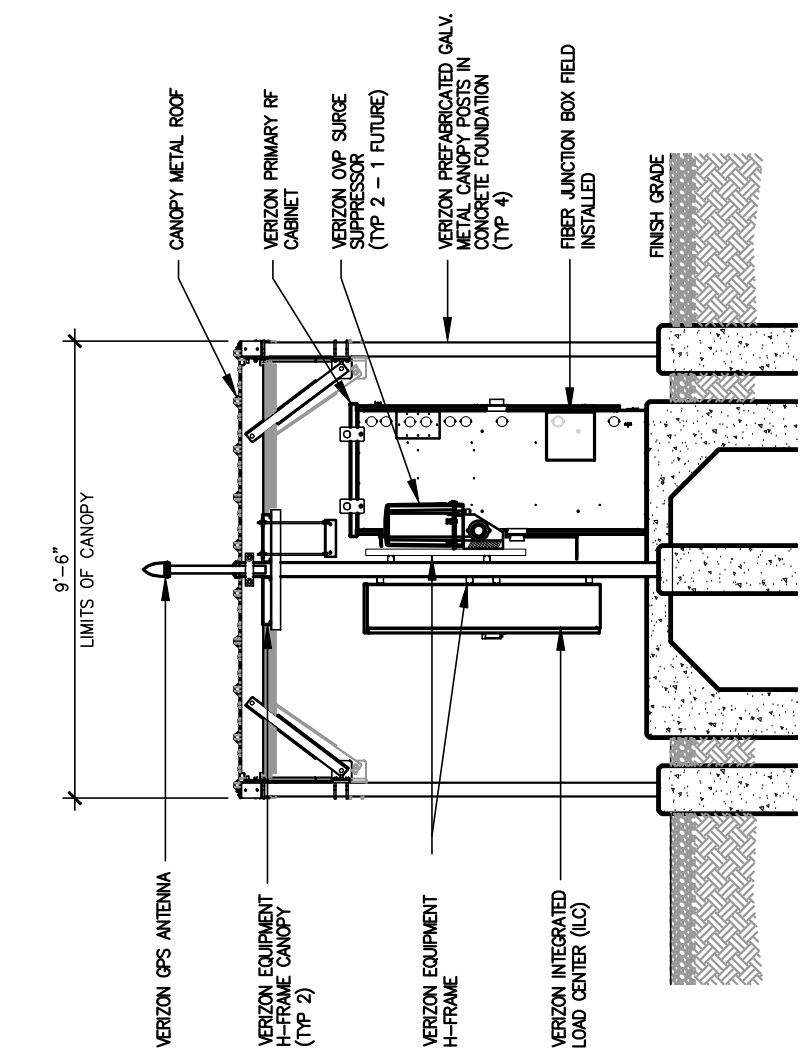
RACEWAY LANE
BENTON, KY 42025

SHEET TITLE:

VERIZON EQUIPMENT
PAD AND CANOPY
ELEVATIONS

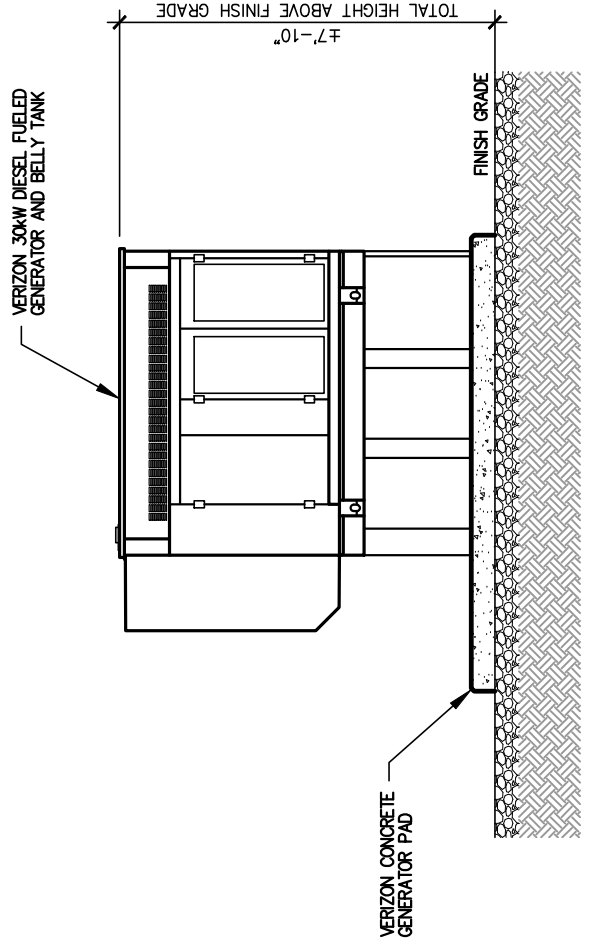
SHEET NO.:

D-1

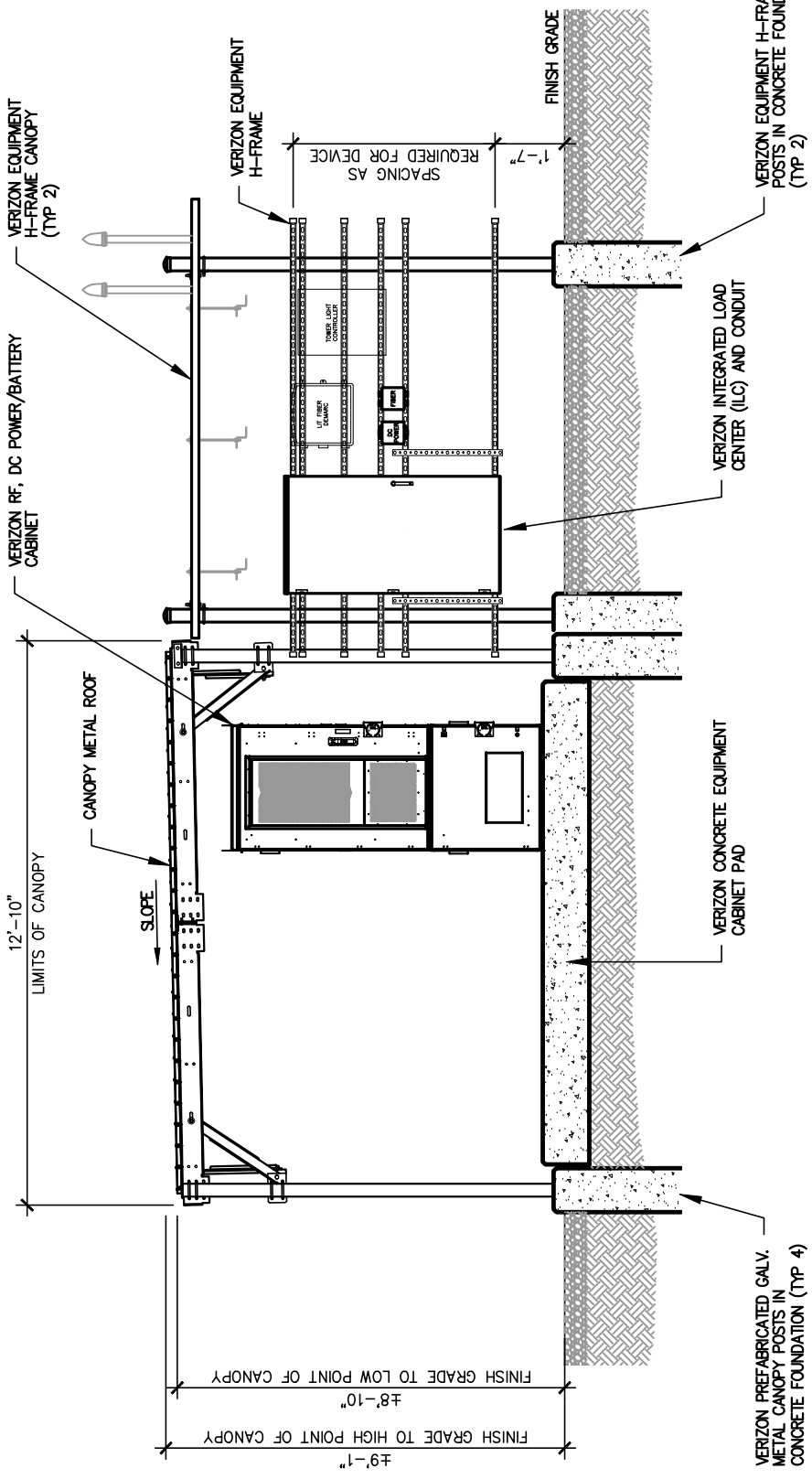


2 Equipment Right Elevation
SCALE: 1/4" = 1'-0"

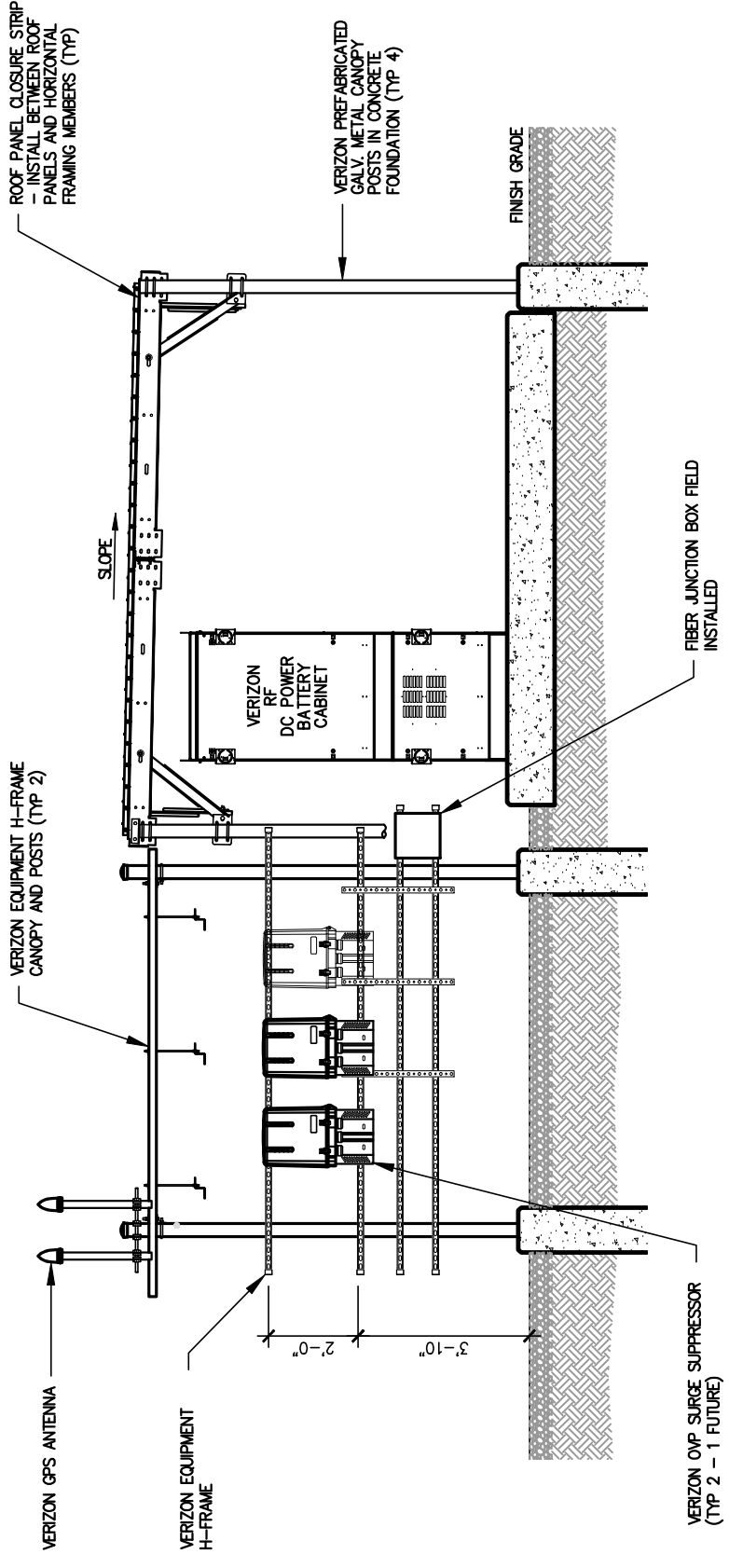
NOTE:
CANOPY ROOF PANELS R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL ENCLOSURE STRIPS TO MATCH PROFILE AS MANUFACTURED BY: SEALTITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)



4 Generator Elevation
SCALE: 1/4" = 1'-0"



1 Equipment Front Elevation
SCALE: 1/4" = 1'-0"



3 Equipment Rear Elevation
SCALE: 1/4" = 1'-0"



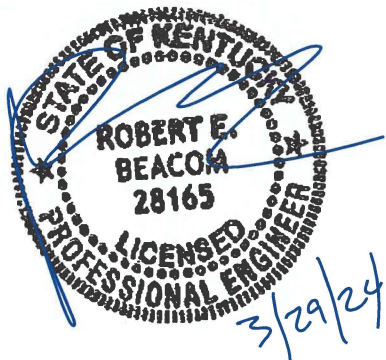
Structural Design Report
250' S3TL Series HD1 Self-Supporting Tower
Site: EV Draffenville North, KY
Site Number: KY0105

Prepared for: TOWERCO LLC
by: Sabre Industries™

Job Number: 24-4508-JDS

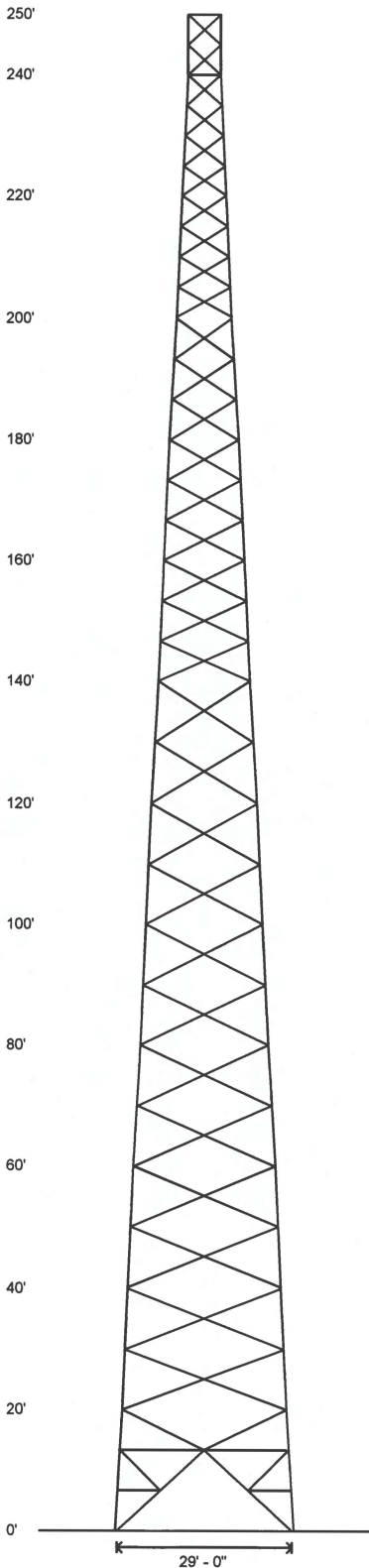
March 29, 2024

Tower Profile.....	1-2
Maximum Leg Loads.....	3
Maximum Diagonal Loads.....	4
Maximum Foundation Loads.....	5
Calculations.....	6-22



Digitally Signed By Robert Beacom
DN:
C=US,SERIALNUMBER=MAS20240205295328,ST=Texas,L=Alvarado,O=SABRE INDUSTRIES, INC.,CN=Robert Beacom Date: 2024.03.29 10:22:41

Legs	8.625 OD X .500		A	B	5.563 OD X .375		C	2.875 OD X .276		
Diagonals	L 4 X 4 X 1/4		E	L 3 X 3 X 3/16		L 2 1/2 X 2 1/2 X 3/16		L 2 X 2 X 3/16		
Horizontals	D		NONE							H I F
Internals	G		NONE							
Sub-Diagonals	J		NONE							
Sub-Diagonals	K		NONE							
Sub-Horizontals	L		NONE							
Brace Bolts	(2) 3/4"	(1) 3/4"	15'	13'	11'	9'	7'	(1) 5/8"		
Top Face Width	27'	25'	23'	21'	19'	17'	15'	13'	11'	
Panel Count/Height	M N	12 @ 10'		9 @ 6.6667'						
Section Weight	6113	5406	5253	5013	4654	4518	3384	3145	2459	
								2211	1762	
									1225	
									546	



Design Criteria - ANSI/TIA-222-G

Ultimate Wind Speed (No Ice)	115 mph
Wind Speed (Ice)	30 mph
Design Ice Thickness	1.00 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	0.954 g
1-sec Spectral Response, S1	0.327 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)	80.12	Shear (kips)	48.94
Axial (kips)	264.85	Compression (kips)	528
Moment (ft-kips)	12484	Uplift (kips)	454

Base Reactions - Seismic

Total Foundation		Individual Footing	
Shear (kips)	18.89	Shear (kips)	13.35
Axial (kips)	111.6	Compression (kips)	182
Moment (ft-kips)	3627	Uplift (kips)	124

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) (6) 1 1/2" dia. x 78"-long F1554 grade 105 anchor bolts per leg on a 13.25" bolt circle w/ 9.5" max. projection above concrete.
- 9) All unequal angles are oriented with the short leg vertical.
- 10) Weights shown are estimates. Final weights may vary.
- 11) This tower design and, if applicable, the foundation design(s) shown on the following page(s) also meet or exceed the requirements of the 2018 Kentucky Building Code.
- 12) Tower Rating: 98.47%
- 13) No grout is required under the base plates.

Sabre Industries
7101 Southbridge Drive
P.O. Box 658
Sioux City, IA 51102-0658
Phone: (712) 258-6690
Fax: (712) 279-0814

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Job:	24-4508-JDS	
Customer:	TOWERCO LLC	
Site Name:	EV Draffenville North, KY KY0105	
Description:	250' S3TL	
Date:	3/29/2024	By: REB

Designed Appurtenance Loading

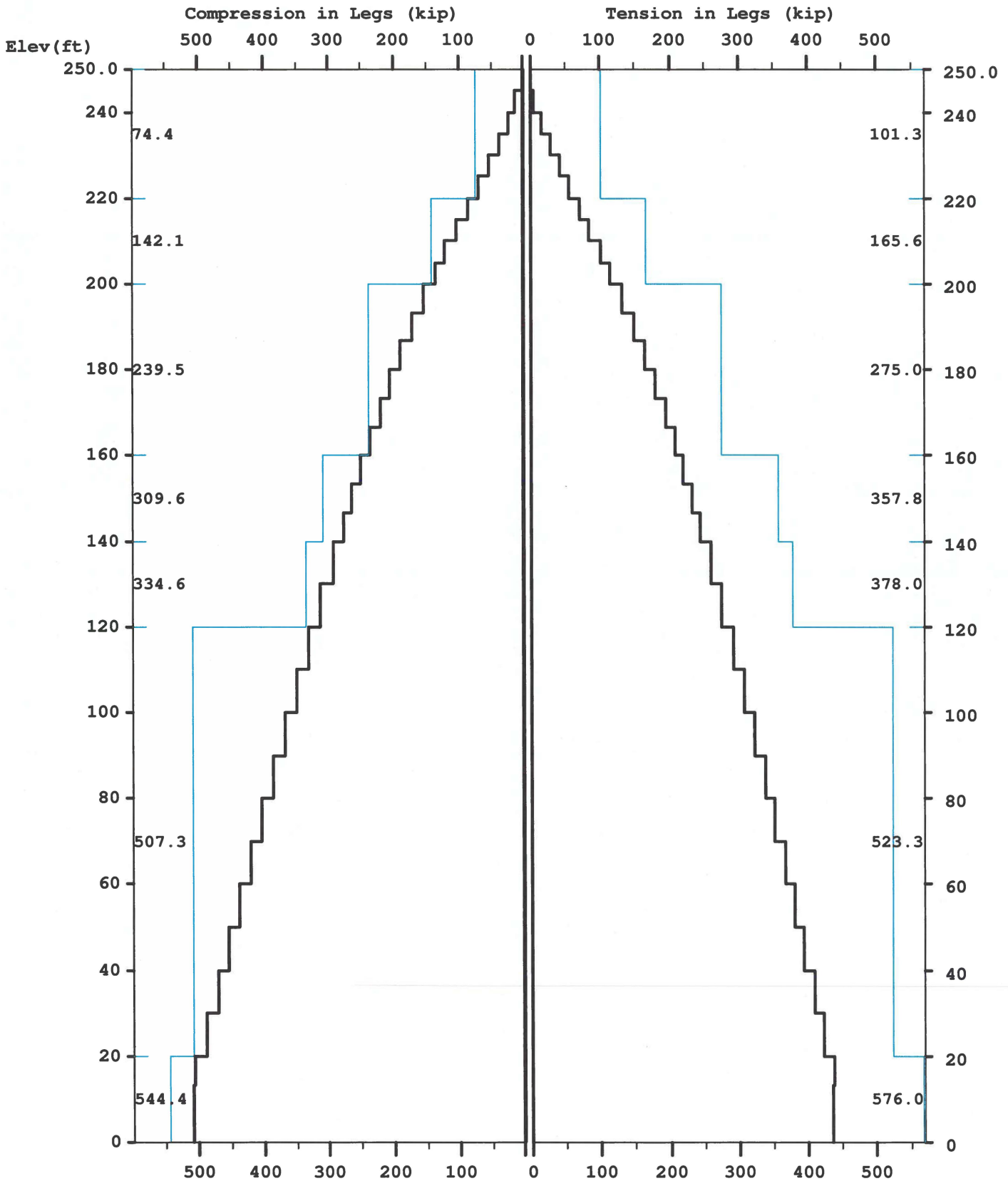
Elev	Description	Tx-Line	Elev	Description	Tx-Line
245	3 EHD V-Boom - 12ft Face - 3ft Standoff		223	3V-Boom - 12ft Face - 3ft Standoff	
245	(1) 42,000 sq.in. EPA (8000 lbs)	(12) 1 5/8"	223	(1) 20,000 Sq. Inches EPA (3,500 lbs)	(12) 1 5/8"
233	3V-Boom - 12ft Face - 3ft Standoff		213	3V-Boom - 12ft Face - 3ft Standoff	
233	(1) 20,000 Sq. Inches EPA (3,500 lbs)	(12) 1 5/8"	213	(1) 13,500 Sq. Inches EPA (3,000 lbs)	(12) 1 5/8"

Material List

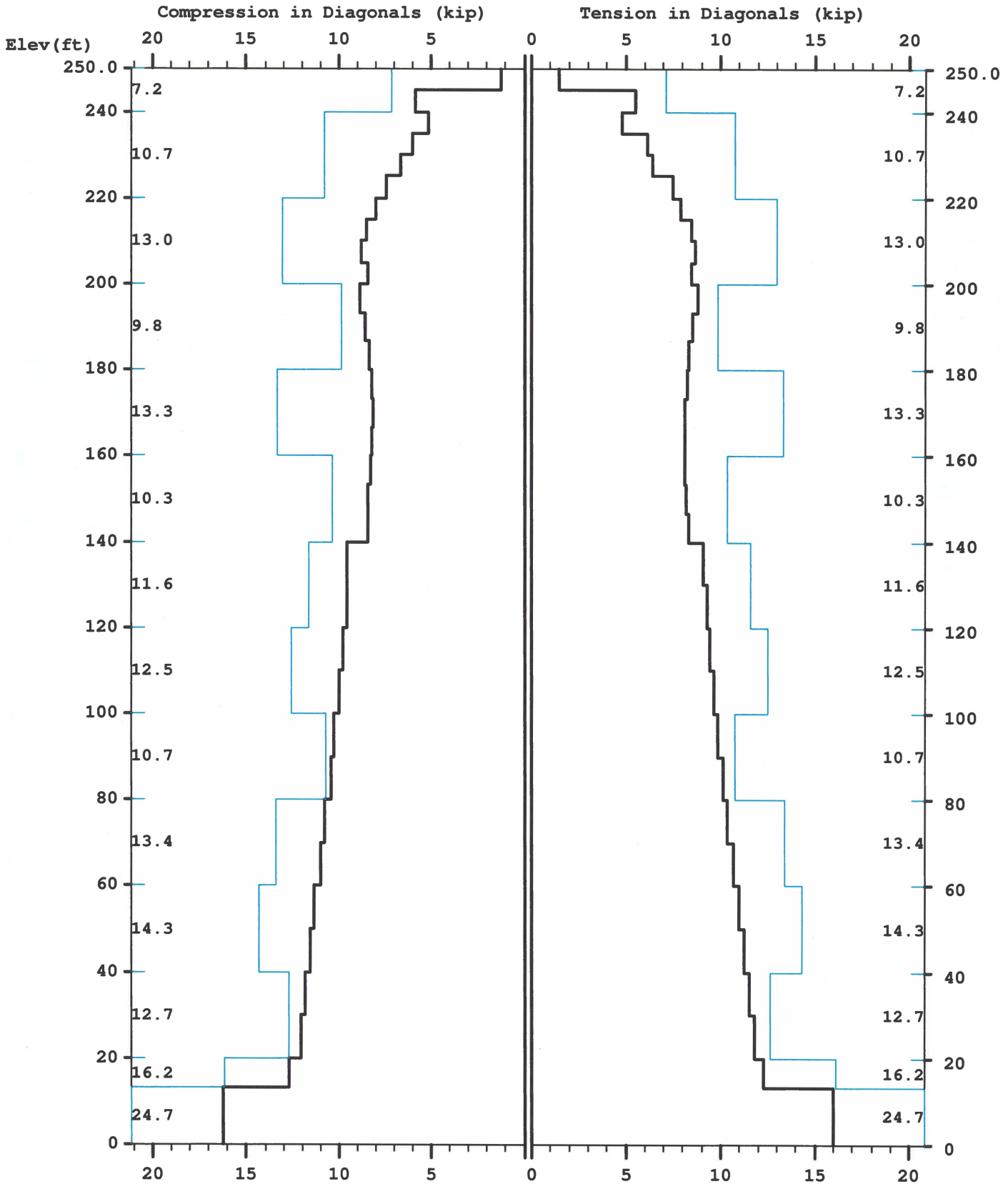
Display	Value	Display	Value
A	8.625 OD X .322	H	L 2 X 2 X 3/16
B	5.563 OD X .500	I	NONE
C	4.000 OD X .318	J	L 3 X 3 X 1/4
D	L 5 X 3 1/2 X 1/4	K	L 3 X 3 X 3/16
E	L 3 1/2 X 3 X 1/4	L	L 2 1/2 X 2 1/2 X 1/4
F	L 2 X 2 X 1/8	M	1 @ 13.333'
G	L 4 X 4 X 1/4	N	1 @ 6.667'

 <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: 24-4508-JDS
	Customer: TOWERCO LLC
	Site Name: EV Draffenville North, KY KY0105
	Description: 250' S3TL
	Date: 3/29/2024 By: REB

Maximum

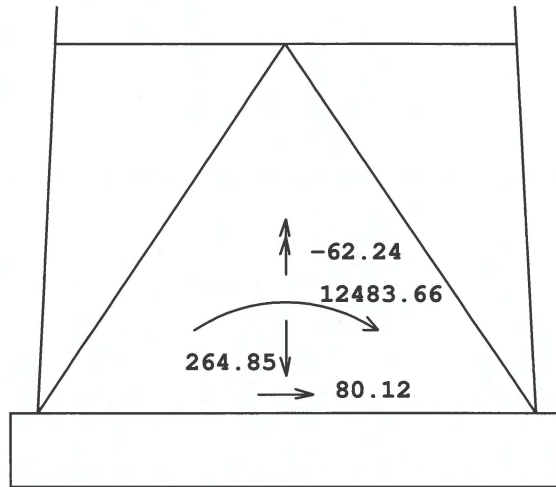


Maximum

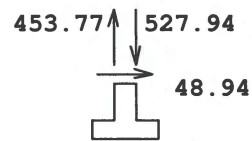
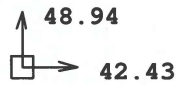


Maximum

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	245.00	250.00	5.00	5.00	5.00
X	3	240.00	245.00	5.00	5.00	5.00
X	3	235.00	240.00	5.50	5.00	5.00
X	3	220.00	235.00	7.00	5.50	5.00
X	3	200.00	220.00	9.00	7.00	5.00
X	3	180.00	200.00	11.00	9.00	6.67
X	3	160.00	180.00	13.00	11.00	6.67
X	3	140.00	160.00	15.00	13.00	6.67
X	3	120.00	140.00	17.00	15.00	10.00
X	3	100.00	120.00	19.00	17.00	10.00
X	3	80.00	100.00	21.00	19.00	10.00
X	3	60.00	80.00	23.00	21.00	10.00
X	3	40.00	60.00	25.00	23.00	10.00
X	3	20.00	40.00	27.00	25.00	10.00
V	3	13.33	20.00	27.67	27.00	6.67
A	3	0.00	13.33	29.00	27.67	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	220.00	250.00	2.254	0.924	29000.	0.0000117
LE	200.00	220.00	3.678	0.924	29000.	0.0000117
LE	160.00	200.00	6.111	0.924	29000.	0.0000117
LE	140.00	160.00	7.952	0.924	29000.	0.0000117
LE	120.00	140.00	8.399	0.924	29000.	0.0000117
LE	0.00	120.00	12.763	0.924	29000.	0.0000117
DI	240.00	250.00	0.484	0.626	29000.	0.0000117
DI	220.00	240.00	0.715	0.626	29000.	0.0000117
DI	180.00	220.00	0.902	0.626	29000.	0.0000117
DI	140.00	180.00	1.090	0.626	29000.	0.0000117
DI	120.00	140.00	1.562	0.626	29000.	0.0000117
DI	80.00	120.00	1.688	0.626	29000.	0.0000117
DI	13.33	80.00	1.938	0.626	29000.	0.0000117
DI	0.00	13.33	2.062	0.626	29000.	0.0000117
HO	245.00	250.00	0.484	0.626	29000.	0.0000117
HO	235.00	240.00	0.715	0.626	29000.	0.0000117
HO	0.00	13.33	1.938	0.626	29000.	0.0000117
BR	0.00	13.33	1.438	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
245.0	250.0	74.39	101.25	7.16	7.16	5.82	5.82	0.00	0.00
240.0	245.0	74.39	101.25	7.16	7.16	0.00	0.00	0.00	0.00
235.0	240.0	74.39	101.25	10.74	10.74	8.46	8.46	0.00	0.00
220.0	235.0	74.39	101.25	10.74	10.74	0.00	0.00	0.00	0.00
200.0	220.0	142.05	165.60	13.03	13.03	0.00	0.00	0.00	0.00
180.0	200.0	239.46	274.95	9.84	9.84	0.00	0.00	0.00	0.00
160.0	180.0	239.46	274.95	13.34	13.34	0.00	0.00	0.00	0.00
140.0	160.0	309.64	357.75	10.34	10.34	0.00	0.00	0.00	0.00
120.0	140.0	334.65	378.00	11.62	11.62	0.00	0.00	0.00	0.00
100.0	120.0	507.33	523.32	12.53	12.53	0.00	0.00	0.00	0.00
80.0	100.0	507.33	523.32	10.73	10.73	0.00	0.00	0.00	0.00
60.0	80.0	507.33	523.32	13.43	13.43	0.00	0.00	0.00	0.00
40.0	60.0	507.33	523.32	14.31	14.31	0.00	0.00	0.00	0.00

20.0	40.0	507.33	523.32	12.68	12.68	0.00	0.00	0.00	0.00
13.3	20.0	544.40	576.00	16.16	16.16	0.00	0.00	0.00	0.00
0.0	13.3	544.40	576.00	24.72	24.72	15.60	15.60	7.41	7.41

=====
 * 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	245.0	0.00	0.0	0.0	11.09	11.44	0.00	0.00
C	233.0	0.00	0.0	0.0	5.49	5.80	0.00	0.00
C	223.0	0.00	0.0	0.0	5.43	5.80	0.00	0.00
C	213.0	0.00	0.0	0.0	3.81	5.20	0.00	0.00
D	250.0	0.00	180.0	0.0	0.07	0.05	0.00	0.00
D	245.0	0.00	180.0	0.0	0.07	0.05	0.00	0.00
D	245.0	0.00	318.0	0.0	0.13	0.07	0.04	-0.09
D	240.0	0.00	318.0	0.0	0.13	0.07	0.04	-0.09
D	240.0	0.00	320.3	0.0	0.14	0.08	0.04	-0.09
D	235.0	0.00	320.3	0.0	0.14	0.08	0.04	-0.09
D	235.0	0.00	323.5	0.0	0.13	0.09	0.07	-0.10
D	230.0	0.00	323.5	0.0	0.13	0.09	0.07	-0.10
D	230.0	0.00	323.5	0.0	0.14	0.09	0.08	-0.10
D	225.0	0.00	323.5	0.0	0.14	0.09	0.08	-0.10
D	225.0	0.00	350.3	0.0	0.16	0.11	0.08	-0.05
D	220.0	0.00	350.3	0.0	0.16	0.11	0.08	-0.05
D	220.0	0.00	7.6	0.0	0.18	0.14	0.09	-0.01
D	215.0	0.00	7.6	0.0	0.18	0.14	0.09	-0.01
D	215.0	0.00	24.1	0.0	0.19	0.15	0.11	0.00
D	210.0	0.00	24.1	0.0	0.19	0.15	0.11	0.00
D	210.0	0.00	31.1	0.0	0.19	0.16	0.13	0.01
D	200.0	0.00	30.0	0.0	0.20	0.16	0.12	0.01
D	200.0	0.00	35.2	0.0	0.19	0.18	0.15	0.03
D	180.0	0.00	32.8	0.0	0.20	0.19	0.14	0.02
D	180.0	0.00	38.1	0.0	0.21	0.20	0.17	0.04
D	160.0	0.00	36.2	0.0	0.22	0.20	0.15	0.03
D	160.0	0.00	40.4	0.0	0.21	0.23	0.19	0.06
D	140.0	0.00	38.9	0.0	0.22	0.23	0.17	0.05
D	140.0	0.00	42.2	0.0	0.21	0.24	0.20	0.07
D	120.0	0.00	41.2	0.0	0.21	0.25	0.19	0.06
D	120.0	0.00	43.7	0.0	0.22	0.31	0.22	0.08
D	100.0	0.00	43.0	0.0	0.22	0.31	0.21	0.07
D	100.0	0.00	45.1	0.0	0.22	0.32	0.24	0.09
D	80.0	0.00	44.4	0.0	0.22	0.32	0.23	0.09
D	80.0	0.00	46.2	0.0	0.22	0.34	0.26	0.10
D	60.0	0.00	45.7	0.0	0.23	0.34	0.25	0.09
D	60.0	0.00	47.2	0.0	0.22	0.35	0.28	0.10
D	40.0	0.00	46.7	0.0	0.22	0.35	0.27	0.10
D	40.0	0.00	48.0	0.0	0.20	0.36	0.30	0.10
D	20.0	0.00	47.6	0.0	0.20	0.36	0.29	0.10
D	20.0	0.00	48.8	0.0	0.17	0.34	0.32	0.10
D	13.3	0.00	48.8	0.0	0.17	0.34	0.32	0.10
D	13.3	0.00	48.5	0.0	0.20	0.42	0.31	0.10
D	0.0	0.00	48.5	0.0	0.20	0.42	0.31	0.10

LOADING CONDITION M

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

MAST LOADING

=====

LOAD TYPE	ELEV	APPLY. RADIUS	LOAD. AT AZI	LOAD AZIFORCES.....	MOMENTS.....	
					HORIZ	DOWN	VERTICAL	TORSNAL

	ft	ft			kip	kip	ft-kip	ft-kip
C	245.0	0.00	0.0	0.0	11.09	8.58	0.00	0.00
C	233.0	0.00	0.0	0.0	5.49	4.35	0.00	0.00
C	223.0	0.00	0.0	0.0	5.43	4.35	0.00	0.00
C	213.0	0.00	0.0	0.0	3.81	3.90	0.00	0.00
D	250.0	0.00	180.0	0.0	0.07	0.04	0.00	0.00
D	245.0	0.00	180.0	0.0	0.07	0.04	0.00	0.00
D	245.0	0.00	318.0	0.0	0.13	0.05	0.03	-0.09
D	240.0	0.00	318.0	0.0	0.13	0.05	0.03	-0.09
D	240.0	0.00	320.3	0.0	0.14	0.06	0.03	-0.09
D	235.0	0.00	320.3	0.0	0.14	0.06	0.03	-0.09
D	235.0	0.00	323.5	0.0	0.13	0.06	0.05	-0.10
D	225.0	0.00	323.5	0.0	0.14	0.07	0.06	-0.10
D	225.0	0.00	350.3	0.0	0.16	0.08	0.06	-0.05
D	220.0	0.00	350.3	0.0	0.16	0.08	0.06	-0.05
D	220.0	0.00	7.6	0.0	0.18	0.11	0.07	-0.01
D	215.0	0.00	7.6	0.0	0.18	0.11	0.07	-0.01
D	215.0	0.00	24.1	0.0	0.19	0.11	0.09	0.00
D	210.0	0.00	24.1	0.0	0.19	0.11	0.09	0.00
D	210.0	0.00	31.1	0.0	0.19	0.12	0.10	0.01
D	200.0	0.00	30.0	0.0	0.20	0.12	0.09	0.01
D	200.0	0.00	35.2	0.0	0.19	0.14	0.11	0.03
D	180.0	0.00	32.8	0.0	0.20	0.14	0.10	0.02
D	180.0	0.00	38.1	0.0	0.21	0.15	0.13	0.04
D	160.0	0.00	36.2	0.0	0.22	0.15	0.12	0.03
D	160.0	0.00	40.4	0.0	0.21	0.17	0.14	0.06
D	140.0	0.00	38.9	0.0	0.22	0.18	0.13	0.05
D	140.0	0.00	42.2	0.0	0.21	0.18	0.15	0.07
D	120.0	0.00	41.2	0.0	0.21	0.19	0.15	0.06
D	120.0	0.00	43.7	0.0	0.22	0.23	0.17	0.08
D	100.0	0.00	43.0	0.0	0.22	0.24	0.16	0.07
D	100.0	0.00	45.1	0.0	0.22	0.24	0.18	0.09
D	80.0	0.00	44.4	0.0	0.22	0.24	0.17	0.09
D	80.0	0.00	46.2	0.0	0.22	0.26	0.20	0.10
D	60.0	0.00	45.7	0.0	0.23	0.26	0.19	0.09
D	60.0	0.00	47.2	0.0	0.22	0.26	0.21	0.10
D	40.0	0.00	46.7	0.0	0.22	0.26	0.20	0.10
D	40.0	0.00	48.0	0.0	0.20	0.27	0.23	0.10
D	20.0	0.00	47.6	0.0	0.20	0.27	0.22	0.10
D	20.0	0.00	48.8	0.0	0.17	0.25	0.24	0.10
D	13.3	0.00	48.8	0.0	0.17	0.25	0.24	0.10
D	13.3	0.00	48.5	0.0	0.20	0.32	0.23	0.10
D	0.0	0.00	48.5	0.0	0.20	0.32	0.23	0.10

LOADING CONDITION Y

30 mph wind with 1 ice. Wind Azimuth: 0° (1.2 D + 1.0 Di + 1.0 Wi)

MAST LOADING

LOAD TYPE	ELEV ft	APPLY RADIUS ft	LOAD AT AZI	LOAD AZI	FORCES		MOMENTS	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	245.0	0.00	0.0	0.0	1.56	33.99	0.00	0.00
C	233.0	0.00	0.0	0.0	0.82	15.61	0.00	0.00
C	223.0	0.00	0.0	0.0	0.81	15.57	0.00	0.00
C	213.0	0.00	0.0	0.0	0.58	13.72	0.00	0.00
D	250.0	0.00	180.0	0.0	0.01	0.27	0.00	0.00
D	245.0	0.00	180.0	0.0	0.01	0.27	0.00	0.00
D	245.0	0.00	318.0	0.0	0.01	0.32	0.22	-0.01
D	240.0	0.00	318.0	0.0	0.01	0.32	0.22	-0.01
D	240.0	0.00	320.3	0.0	0.02	0.39	0.23	-0.01
D	235.0	0.00	320.3	0.0	0.02	0.39	0.23	-0.01
D	235.0	0.00	323.1	0.0	0.02	0.36	0.30	-0.01
D	230.0	0.00	323.1	0.0	0.02	0.36	0.30	-0.01
D	230.0	0.00	323.5	0.0	0.02	0.39	0.33	-0.01
D	225.0	0.00	323.5	0.0	0.02	0.39	0.33	-0.01
D	225.0	0.00	358.4	0.0	0.02	0.46	0.34	0.00
D	220.0	0.00	358.4	0.0	0.02	0.46	0.34	0.00
D	220.0	0.00	17.9	0.0	0.02	0.56	0.43	0.00
D	215.0	0.00	17.9	0.0	0.02	0.56	0.43	0.00
D	215.0	0.00	26.9	0.0	0.02	0.59	0.49	0.00
D	210.0	0.00	26.9	0.0	0.02	0.59	0.49	0.00

D	210.0	0.00	31.1	0.0	0.02	0.62	0.53	0.00
D	205.0	0.00	31.1	0.0	0.02	0.62	0.53	0.00
D	205.0	0.00	30.0	0.0	0.02	0.63	0.51	0.00
D	200.0	0.00	30.0	0.0	0.02	0.63	0.51	0.00
D	200.0	0.00	35.2	0.0	0.02	0.63	0.61	0.00
D	193.3	0.00	35.2	0.0	0.02	0.63	0.61	0.00
D	193.3	0.00	34.0	0.0	0.02	0.64	0.59	0.00
D	186.7	0.00	34.0	0.0	0.02	0.64	0.59	0.00
D	186.7	0.00	32.9	0.0	0.02	0.65	0.56	0.00
D	180.0	0.00	32.9	0.0	0.02	0.65	0.56	0.00
D	180.0	0.00	38.1	0.0	0.02	0.69	0.68	0.00
D	173.3	0.00	38.1	0.0	0.02	0.69	0.68	0.00
D	173.3	0.00	37.2	0.0	0.02	0.70	0.66	0.00
D	166.7	0.00	37.2	0.0	0.02	0.70	0.66	0.00
D	166.7	0.00	36.3	0.0	0.02	0.71	0.63	0.00
D	160.0	0.00	36.3	0.0	0.02	0.71	0.63	0.00
D	160.0	0.00	40.4	0.0	0.02	0.74	0.75	0.01
D	140.0	0.00	38.9	0.0	0.02	0.76	0.70	0.00
D	140.0	0.00	42.2	0.0	0.02	0.74	0.81	0.01
D	130.0	0.00	42.2	0.0	0.02	0.74	0.81	0.01
D	130.0	0.00	41.2	0.0	0.02	0.76	0.78	0.01
D	120.0	0.00	41.2	0.0	0.02	0.76	0.78	0.01
D	120.0	0.00	43.7	0.0	0.02	0.83	0.88	0.01
D	110.0	0.00	43.7	0.0	0.02	0.83	0.88	0.01
D	110.0	0.00	43.0	0.0	0.02	0.84	0.85	0.01
D	100.0	0.00	43.0	0.0	0.02	0.84	0.85	0.01
D	100.0	0.00	45.1	0.0	0.02	0.85	0.94	0.01
D	80.0	0.00	44.4	0.0	0.02	0.86	0.91	0.01
D	80.0	0.00	46.2	0.0	0.02	0.90	1.00	0.01
D	60.0	0.00	45.7	0.0	0.02	0.91	0.97	0.01
D	60.0	0.00	47.2	0.0	0.02	0.91	1.05	0.01
D	40.0	0.00	46.7	0.0	0.02	0.92	1.03	0.01
D	40.0	0.00	48.0	0.0	0.02	0.91	1.08	0.01
D	20.0	0.00	47.6	0.0	0.02	0.92	1.07	0.01
D	20.0	0.00	48.8	0.0	0.02	0.66	0.46	0.01
D	13.3	0.00	48.8	0.0	0.02	0.66	0.46	0.01
D	13.3	0.00	48.5	0.0	0.02	0.99	0.85	0.01
D	0.0	0.00	48.5	0.0	0.02	0.99	0.85	0.01

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

MAST LOADING

LOAD TYPE	ELEV ft	APPLY. RADIUS	LOAD. ft	AT AZI	LOAD AZI	FORCES		MOMENTS	
						HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	245.0	0.00	0.0	0.0	0.0	0.24	0.74	0.00	0.00
C	245.0	0.00	0.0	0.0	0.0	4.22	12.89	0.00	0.00
C	242.5	0.00	0.0	0.0	0.0	0.04	0.11	0.00	0.00
C	236.5	0.00	0.0	0.0	0.0	0.05	0.16	0.00	0.00
C	233.0	0.00	0.0	0.0	0.0	2.01	6.54	0.00	0.00
C	230.0	0.00	0.0	0.0	0.0	0.50	1.66	0.00	0.00
C	228.0	0.00	0.0	0.0	0.0	0.12	0.39	0.00	0.00
C	223.0	0.00	0.0	0.0	0.0	1.91	6.54	0.00	0.00
C	221.5	0.00	0.0	0.0	0.0	0.03	0.12	0.00	0.00
C	221.5	0.00	0.0	0.0	0.0	0.02	0.07	0.00	0.00
C	216.5	0.00	0.0	0.0	0.0	0.04	0.16	0.00	0.00
C	216.5	0.00	0.0	0.0	0.0	0.08	0.27	0.00	0.00
C	213.0	0.00	0.0	0.0	0.0	1.62	5.86	0.00	0.00
C	210.0	0.00	0.0	0.0	0.0	0.65	2.38	0.00	0.00
C	206.5	0.00	0.0	0.0	0.0	0.14	0.51	0.00	0.00
C	206.5	0.00	0.0	0.0	0.0	0.14	0.51	0.00	0.00
C	190.0	0.00	0.0	0.0	0.0	0.19	0.78	0.00	0.00
C	190.0	0.00	0.0	0.0	0.0	0.19	0.78	0.00	0.00
C	190.0	0.00	0.0	0.0	0.0	0.72	2.99	0.00	0.00
C	170.0	0.00	0.0	0.0	0.0	0.16	0.78	0.00	0.00
C	170.0	0.00	0.0	0.0	0.0	0.16	0.78	0.00	0.00
C	170.0	0.00	0.0	0.0	0.0	0.70	3.33	0.00	0.00
C	150.0	0.00	0.0	0.0	0.0	0.14	0.78	0.00	0.00
C	150.0	0.00	0.0	0.0	0.0	0.14	0.78	0.00	0.00
C	150.0	0.00	0.0	0.0	0.0	0.77	4.25	0.00	0.00
C	130.0	0.00	0.0	0.0	0.0	0.12	0.78	0.00	0.00
C	130.0	0.00	0.0	0.0	0.0	0.69	4.58	0.00	0.00
C	130.0	0.00	0.0	0.0	0.0	0.12	0.78	0.00	0.00

C	110.0	0.00	0.0	0.0	0.10	0.78	0.00	0.00
C	110.0	0.00	0.0	0.0	0.10	0.78	0.00	0.00
C	110.0	0.00	0.0	0.0	0.75	6.11	0.00	0.00
C	90.0	0.00	0.0	0.0	0.08	0.78	0.00	0.00
C	90.0	0.00	0.0	0.0	0.08	0.78	0.00	0.00
C	90.0	0.00	0.0	0.0	0.61	6.30	0.00	0.00
C	70.0	0.00	0.0	0.0	0.06	0.78	0.00	0.00
C	70.0	0.00	0.0	0.0	0.48	6.78	0.00	0.00
C	70.0	0.00	0.0	0.0	0.06	0.78	0.00	0.00
C	50.0	0.00	0.0	0.0	0.04	0.78	0.00	0.00
C	50.0	0.00	0.0	0.0	0.04	0.78	0.00	0.00
C	50.0	0.00	0.0	0.0	0.34	7.11	0.00	0.00
C	30.0	0.00	0.0	0.0	0.02	0.78	0.00	0.00
C	30.0	0.00	0.0	0.0	0.02	0.78	0.00	0.00
C	30.0	0.00	0.0	0.0	0.19	7.31	0.00	0.00
C	10.0	0.00	0.0	0.0	0.01	0.78	0.00	0.00
C	10.0	0.00	0.0	0.0	0.05	8.27	0.00	0.00
C	10.0	0.00	0.0	0.0	0.01	0.78	0.00	0.00
D	250.0	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
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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. AZI	AT AZIFORCES.....	MOMENTS.....	
					HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	245.0	0.00	0.0	0.0	0.24	0.41	0.00	0.00
C	245.0	0.00	0.0	0.0	4.22	7.12	0.00	0.00
C	242.5	0.00	0.0	0.0	0.04	0.06	0.00	0.00
C	236.5	0.00	0.0	0.0	0.05	0.09	0.00	0.00
C	233.0	0.00	0.0	0.0	2.01	3.61	0.00	0.00
C	230.0	0.00	0.0	0.0	0.50	0.92	0.00	0.00
C	228.0	0.00	0.0	0.0	0.12	0.22	0.00	0.00
C	223.0	0.00	0.0	0.0	1.91	3.61	0.00	0.00
C	221.5	0.00	0.0	0.0	0.03	0.06	0.00	0.00
C	221.5	0.00	0.0	0.0	0.02	0.04	0.00	0.00
C	216.5	0.00	0.0	0.0	0.04	0.09	0.00	0.00
C	216.5	0.00	0.0	0.0	0.08	0.15	0.00	0.00
C	213.0	0.00	0.0	0.0	1.62	3.24	0.00	0.00
C	210.0	0.00	0.0	0.0	0.65	1.32	0.00	0.00
C	206.5	0.00	0.0	0.0	0.14	0.28	0.00	0.00
C	206.5	0.00	0.0	0.0	0.14	0.28	0.00	0.00
C	190.0	0.00	0.0	0.0	0.19	0.43	0.00	0.00
C	190.0	0.00	0.0	0.0	0.19	0.43	0.00	0.00
C	190.0	0.00	0.0	0.0	0.72	1.65	0.00	0.00
C	170.0	0.00	0.0	0.0	0.16	0.43	0.00	0.00
C	170.0	0.00	0.0	0.0	0.16	0.43	0.00	0.00
C	170.0	0.00	0.0	0.0	0.70	1.84	0.00	0.00
C	150.0	0.00	0.0	0.0	0.14	0.43	0.00	0.00
C	150.0	0.00	0.0	0.0	0.14	0.43	0.00	0.00
C	150.0	0.00	0.0	0.0	0.77	2.35	0.00	0.00
C	130.0	0.00	0.0	0.0	0.12	0.43	0.00	0.00
C	130.0	0.00	0.0	0.0	0.69	2.53	0.00	0.00
C	130.0	0.00	0.0	0.0	0.12	0.43	0.00	0.00
C	110.0	0.00	0.0	0.0	0.10	0.43	0.00	0.00
C	110.0	0.00	0.0	0.0	0.10	0.43	0.00	0.00
C	110.0	0.00	0.0	0.0	0.75	3.38	0.00	0.00
C	90.0	0.00	0.0	0.0	0.08	0.43	0.00	0.00
C	90.0	0.00	0.0	0.0	0.08	0.43	0.00	0.00
C	90.0	0.00	0.0	0.0	0.61	3.48	0.00	0.00
C	70.0	0.00	0.0	0.0	0.06	0.43	0.00	0.00
C	70.0	0.00	0.0	0.0	0.48	3.75	0.00	0.00
C	70.0	0.00	0.0	0.0	0.06	0.43	0.00	0.00
C	50.0	0.00	0.0	0.0	0.04	0.43	0.00	0.00
C	50.0	0.00	0.0	0.0	0.04	0.43	0.00	0.00
C	50.0	0.00	0.0	0.0	0.34	3.93	0.00	0.00
C	30.0	0.00	0.0	0.0	0.02	0.43	0.00	0.00
C	30.0	0.00	0.0	0.0	0.02	0.43	0.00	0.00
C	30.0	0.00	0.0	0.0	0.19	4.04	0.00	0.00
C	10.0	0.00	0.0	0.0	0.01	0.43	0.00	0.00
C	10.0	0.00	0.0	0.0	0.05	4.57	0.00	0.00

C	10.0	0.00	0.0	0.0	0.01	0.43	0.00	0.00
D	250.0	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
250.0	-----	-----	0.83 M	0.00 A
	0.65 S	1.47 G		
245.0	-----	-----	0.14 G	0.00 A
	3.04 M	5.55 M		
240.0	-----	-----	1.71 E	0.00 A
	16.24 M	4.79 R		
235.0	-----	-----	0.16 Y	0.00 A
	28.22 M	6.12 F		
230.0	-----	-----	0.08 A	0.00 A
	41.49 M	6.44 R		
225.0	-----	-----	0.15 A	0.00 A
	55.16 M	7.47 L		
220.0	-----	-----	0.12 A	0.00 A
	70.26 M	7.88 R		
215.0	-----	-----	0.10 A	0.00 A
	85.02 M	8.46 L		
210.0	-----	-----	0.12 A	0.00 A
	100.55 M	8.68 R		
205.0	-----	-----	0.11 A	0.00 A
	115.64 M	8.44 L		
200.0	-----	-----	0.12 A	0.00 A
	131.90 M	8.80 F		
193.3	-----	-----	0.12 A	0.00 A
	149.11 M	8.54 J		
186.7	-----	-----	0.11 A	0.00 A
	165.13 M	8.30 D		
180.0	-----	-----	0.11 A	0.00 A
	180.08 M	8.21 J		
173.3	-----	-----	0.08 A	0.00 A
	194.27 M	8.12 D		
166.7	-----	-----	0.10 A	0.00 A
	207.72 M	8.11 J		
160.0	-----	-----	0.07 A	0.00 A
	220.67 M	8.12 D		
153.3	-----	-----	0.14 A	0.00 A
	233.04 M	8.16 J		
146.7	-----	-----	0.06 A	0.00 A
	245.12 M	8.31 K		
140.0	-----	-----	0.09 A	0.00 A
	259.43 M	9.10 E		
130.0	-----	-----	0.13 A	0.00 A
	276.28 M	9.29 K		
120.0	-----	-----	0.07 A	0.00 A
	292.33 M	9.42 K		
110.0	-----	-----	0.07 A	0.00 A
	307.93 M	9.67 K		
100.0	-----	-----	0.07 A	0.00 A
	323.06 M	9.87 K		
90.0	-----	-----	0.07 A	0.00 A
	337.93 M	10.14 K		
80.0	-----	-----	0.06 A	0.00 A
	352.43 M	10.37 K		
70.0	-----	-----	0.06 A	0.00 A
	366.75 M	10.70 K		
60.0	-----	-----	0.06 A	0.00 A
	380.81 M	10.96 K		
50.0	-----	-----	0.06 A	0.00 A
	394.72 M	11.28 K		
40.0	-----	-----	0.30 k	0.00 A
	408.42 M	11.56 K		
30.0	-----	-----	0.07 S	0.00 A
	421.91 M	11.83 K		
20.0	-----	-----	0.14 A	0.00 A
	437.62 M	12.30 K		
13.3	-----	-----	0.74 Q	0.00 W
	436.64 M	15.99 K		
0.0	-----	-----	0.00 A	0.00 A

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
250.0	-----		-1.00 G	0.00 A
	-1.08 A	-1.23 M		
245.0	-----		-0.11 M	0.00 A
	-12.26 e	-5.88 G		
240.0	-----		-1.45 W	0.00 A
	-23.05 G	-5.19 L		
235.0	-----		-0.07 S	0.00 A
	-38.19 G	-5.97 R		
230.0	-----		-0.06 S	0.00 A
	-52.79 G	-6.66 L		
225.0	-----		-0.09 S	0.00 A
	-69.27 G	-7.45 F		
220.0	-----		-0.09 S	0.00 A
	-86.14 G	-8.00 L		
215.0	-----		-0.07 S	0.00 A
	-103.50 G	-8.49 F		
210.0	-----		-0.09 S	0.00 A
	-120.91 G	-8.77 L		
205.0	-----		-0.08 S	0.00 A
	-136.84 G	-8.42 F		
200.0	-----		-0.09 S	0.00 A
	-153.94 G	-8.88 L		
193.3	-----		-0.09 S	0.00 A
	-172.35 G	-8.53 D		
186.7	-----		-0.09 S	0.00 A
	-189.46 G	-8.36 D		
180.0	-----		-0.08 S	0.00 A
	-205.65 G	-8.22 D		
173.3	-----		-0.07 S	0.00 A
	-221.05 G	-8.17 J		
166.7	-----		-0.08 S	0.00 A
	-235.79 G	-8.19 K		
160.0	-----		-0.06 S	0.00 A
	-250.07 G	-8.25 K		
153.3	-----		-0.11 S	0.00 A
	-263.87 G	-8.41 K		
146.7	-----		-0.05 S	0.00 A
	-277.42 G	-8.44 K		
140.0	-----		-0.07 S	0.00 A
	-293.57 G	-9.55 K		
130.0	-----		-0.11 S	0.00 A
	-312.73 G	-9.59 K		
120.0	-----		-0.06 S	0.00 A
	-331.29 G	-9.81 K		
110.0	-----		-0.06 S	0.00 A
	-349.61 G	-9.97 K		
100.0	-----		-0.06 S	0.00 A
	-367.51 G	-10.24 K		
90.0	-----		-0.06 S	0.00 A
	-385.20 G	-10.44 K		
80.0	-----		-0.05 S	0.00 A
	-402.61 G	-10.75 K		
70.0	-----		-0.05 S	0.00 A
	-419.94 G	-11.00 K		
60.0	-----		-0.05 S	0.00 A
	-437.06 G	-11.33 K		
50.0	-----		-0.05 S	0.00 A
	-454.10 G	-11.56 K		
40.0	-----		-0.09 p	0.00 A
	-470.98 G	-11.81 K		
30.0	-----		-0.09 A	0.00 A
	-487.69 G	-12.02 K		
20.0	-----		-0.12 S	0.00 A
	-506.39 G	-12.72 K		
13.3	-----		-0.90 K	0.00 K
	-507.70 G	-16.27 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
250.00	1.08	74.39	0.01	0.65	101.25	0.01
245.00	12.26	74.39	0.16	3.04	101.25	0.03
240.00	23.05	74.39	0.31	16.24	101.25	0.16
235.00	38.19	74.39	0.51	28.22	101.25	0.28
230.00	52.79	74.39	0.71	41.49	101.25	0.41
225.00	69.27	74.39	0.93	55.16	101.25	0.54
220.00	86.14	142.05	0.61	70.26	165.60	0.42
215.00	103.50	142.05	0.73	85.02	165.60	0.51
210.00	120.91	142.05	0.85	100.55	165.60	0.61
205.00	136.84	142.05	0.96	115.64	165.60	0.70
200.00	153.94	239.46	0.64	131.90	274.95	0.48
193.33	172.35	239.46	0.72	149.11	274.95	0.54
186.67	189.46	239.46	0.79	165.13	274.95	0.60
180.00	205.65	239.46	0.86	180.08	274.95	0.65
173.33	221.05	239.46	0.92	194.27	274.95	0.71
166.67	235.79	239.46	0.98	207.72	274.95	0.76
160.00	250.07	309.64	0.81	220.67	357.75	0.62
153.33	263.87	309.64	0.85	233.04	357.75	0.65
146.67	277.42	309.64	0.90	245.12	357.75	0.69
140.00	293.57	334.65	0.88	259.43	378.00	0.69
130.00	312.73	334.65	0.93	276.28	378.00	0.73
120.00	331.29	507.33	0.65	292.33	523.32	0.56
110.00	349.61	507.33	0.69	307.93	523.32	0.59
100.00	367.51	507.33	0.72	323.06	523.32	0.62
90.00	385.20	507.33	0.76	337.93	523.32	0.65
80.00	402.61	507.33	0.79	352.43	523.32	0.67
70.00	419.94	507.33	0.83	366.75	523.32	0.70
60.00	437.06	507.33	0.86	380.81	523.32	0.73
50.00	454.10	507.33	0.90	394.72	523.32	0.75
40.00	470.98	507.33	0.93	408.42	523.32	0.78
30.00	487.69	507.33	0.96	421.91	523.32	0.81
20.00	506.39	544.40	0.93	437.62	576.00	0.76
13.33	507.70	544.40	0.93	436.64	576.00	0.76
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

250.00	1.23	7.16	0.17	1.47	7.16	0.21
245.00	5.88	7.16	0.82	5.55	7.16	0.78
240.00	5.19	10.74	0.48	4.79	10.74	0.45
235.00	5.97	10.74	0.56	6.12	10.74	0.57
230.00	6.66	10.74	0.62	6.44	10.74	0.60
225.00	7.45	10.74	0.69	7.47	10.74	0.70
220.00	8.00	13.03	0.61	7.88	13.03	0.60
215.00	8.49	13.03	0.65	8.46	13.03	0.65
210.00	8.77	13.03	0.67	8.68	13.03	0.67
205.00	8.42	13.03	0.65	8.44	13.03	0.65
200.00	8.88	9.84	0.90	8.80	9.84	0.89
193.33	8.53	9.84	0.87	8.54	9.84	0.87
186.67	8.36	9.84	0.85	8.30	9.84	0.84
180.00	8.22	13.34	0.62	8.21	13.34	0.62
173.33	8.17	13.34	0.61	8.12	13.34	0.61
166.67	8.19	13.34	0.61	8.11	13.34	0.61
160.00	8.25	10.34	0.80	8.12	10.34	0.79
153.33	8.41	10.34	0.81	8.16	10.34	0.79
146.67	8.44	10.34	0.82	8.31	10.34	0.80
140.00	9.55	11.62	0.82	9.10	11.62	0.78
130.00	9.59	11.62	0.82	9.29	11.62	0.80
120.00	9.81	12.53	0.78	9.42	12.53	0.75
110.00	9.97	12.53	0.80	9.67	12.53	0.77
100.00	10.24	10.73	0.95	9.87	10.73	0.92
90.00	10.44	10.73	0.97	10.14	10.73	0.95
80.00	10.75	13.43	0.80	10.37	13.43	0.77
70.00	11.00	13.43	0.82	10.70	13.43	0.80
60.00	11.33	14.31	0.79	10.96	14.31	0.77
50.00	11.56	14.31	0.81	11.28	14.31	0.79
40.00	11.81	12.68	0.93	11.56	12.68	0.91
30.00	12.02	12.68	0.95	11.83	12.68	0.93
20.00	12.72	16.16	0.79	12.30	16.16	0.76
13.33	16.27	24.72	0.66	15.99	24.72	0.65
0.00						

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

LOAD COMPONENTS				TOTAL SHEAR
NORTH	EAST	DOWN	UPLIFT	
48.94 G	42.43 K	527.94 G	-453.77 M	48.94 G

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

-----HORIZONTAL-----			DOWN	-----OVERTURNING-----			TORSION
NORTH	EAST	TOTAL		NORTH	EAST	TOTAL	
		@ 0.0				@ 0.0	
80.1	70.7	80.1	264.8	12483.7	-11266.0	12483.7	-62.2
G	V	G	e	G	D	G	F

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Latticed Tower Analysis (Unguyed) (c)2024 Guymast Inc. 416-736-7453
Processed under license at:
Sabre Towers and Poles on: 29 mar 2024 at: 10:14:58
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***** Service Load Condition *****
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* Only 1 condition(s) shown in full
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LOADING CONDITION A

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

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	245.0	0.00	0.0	0.0	3.15	9.53	0.00	0.00
C	233.0	0.00	0.0	0.0	1.56	4.84	0.00	0.00
C	223.0	0.00	0.0	0.0	1.54	4.84	0.00	0.00
C	213.0	0.00	0.0	0.0	1.08	4.34	0.00	0.00
D	250.0	0.00	180.0	0.0	0.02	0.04	0.00	0.00
D	245.0	0.00	180.0	0.0	0.02	0.04	0.00	0.00
D	245.0	0.00	318.0	0.0	0.04	0.06	0.03	-0.03
D	240.0	0.00	318.0	0.0	0.04	0.06	0.03	-0.03
D	240.0	0.00	320.3	0.0	0.04	0.07	0.04	-0.03
D	235.0	0.00	320.3	0.0	0.04	0.07	0.04	-0.03
D	235.0	0.00	323.5	0.0	0.04	0.07	0.06	-0.03
D	225.0	0.00	323.5	0.0	0.04	0.08	0.07	-0.03
D	225.0	0.00	350.3	0.0	0.04	0.09	0.07	-0.01
D	220.0	0.00	350.3	0.0	0.04	0.09	0.07	-0.01
D	220.0	0.00	7.6	0.0	0.05	0.12	0.08	0.00
D	215.0	0.00	7.6	0.0	0.05	0.12	0.08	0.00
D	215.0	0.00	24.1	0.0	0.05	0.13	0.09	0.00
D	210.0	0.00	24.1	0.0	0.05	0.13	0.09	0.00
D	210.0	0.00	31.1	0.0	0.06	0.13	0.11	0.00
D	200.0	0.00	30.0	0.0	0.06	0.13	0.10	0.00
D	200.0	0.00	35.2	0.0	0.06	0.15	0.12	0.01
D	180.0	0.00	32.8	0.0	0.06	0.16	0.11	0.00
D	180.0	0.00	38.1	0.0	0.06	0.17	0.14	0.01
D	160.0	0.00	36.2	0.0	0.06	0.17	0.13	0.01
D	160.0	0.00	40.4	0.0	0.06	0.19	0.16	0.02
D	140.0	0.00	38.9	0.0	0.06	0.19	0.14	0.01
D	140.0	0.00	42.2	0.0	0.06	0.20	0.17	0.02
D	120.0	0.00	41.2	0.0	0.06	0.21	0.16	0.02
D	120.0	0.00	43.7	0.0	0.06	0.26	0.19	0.02
D	100.0	0.00	43.0	0.0	0.07	0.26	0.18	0.02
D	100.0	0.00	45.1	0.0	0.06	0.27	0.20	0.03
D	80.0	0.00	44.4	0.0	0.06	0.27	0.19	0.02
D	80.0	0.00	46.2	0.0	0.07	0.28	0.22	0.03
D	60.0	0.00	45.7	0.0	0.07	0.29	0.21	0.03
D	60.0	0.00	47.2	0.0	0.06	0.29	0.23	0.03
D	40.0	0.00	46.7	0.0	0.06	0.29	0.23	0.03

D	40.0	0.00	48.0	0.0	0.06	0.30	0.25	0.03
D	20.0	0.00	47.6	0.0	0.06	0.30	0.24	0.03
D	20.0	0.00	48.8	0.0	0.05	0.28	0.27	0.03
D	13.3	0.00	48.8	0.0	0.05	0.28	0.27	0.03
D	13.3	0.00	48.5	0.0	0.06	0.35	0.26	0.03
D	0.0	0.00	48.5	0.0	0.06	0.35	0.26	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	
250.0	0.913 G	-0.842 D	0.016 G	0.463 G	-0.432 D	-0.036 E
245.0	0.873 G	-0.805 D	0.016 G	0.463 G	-0.433 D	-0.036 E
240.0	0.831 G	-0.766 D	0.016 G	0.460 G	-0.430 D	-0.036 E
235.0	0.791 G	-0.728 D	0.015 G	0.453 G	-0.423 D	-0.036 E
230.0	0.751 G	-0.691 D	0.015 G	0.442 G	-0.412 D	-0.036 E
225.0	0.712 G	-0.655 D	0.014 G	0.426 G	-0.397 D	-0.036 E
220.0	0.675 G	-0.620 D	0.014 G	0.408 G	-0.379 D	-0.035 E
215.0	0.639 G	-0.587 D	0.013 G	0.394 G	-0.366 D	-0.035 E
210.0	0.605 G	-0.555 D	0.013 G	0.379 G	-0.352 D	-0.034 E
205.0	0.572 G	-0.524 D	0.012 G	0.362 G	-0.336 D	-0.033 E
200.0	0.540 G	-0.495 D	0.012 G	0.344 G	-0.319 D	-0.032 E
193.3	0.500 G	-0.457 D	0.011 G	0.328 G	-0.304 D	0.031 L
186.7	0.461 G	-0.422 D	0.011 G	0.312 G	-0.289 D	0.030 L
180.0	0.425 G	-0.388 D	0.010 G	0.295 G	-0.273 D	0.029 L
173.3	0.390 G	-0.356 D	0.010 G	0.278 G	-0.256 D	0.027 L
166.7	0.358 G	-0.327 D	0.009 G	0.260 G	-0.239 D	0.026 L
160.0	0.328 G	-0.299 D	0.009 G	0.242 G	-0.222 D	0.025 L
153.3	0.300 G	-0.273 D	0.008 G	0.228 G	-0.209 D	0.023 L
146.7	0.273 G	-0.249 D	0.008 G	0.214 G	-0.196 D	0.022 L
140.0	0.248 G	-0.225 D	0.008 G	0.200 G	-0.183 D	0.020 L
130.0	0.214 G	-0.194 D	0.007 G	0.179 G	-0.164 D	0.018 L
120.0	0.183 G	-0.166 D	0.006 G	0.159 G	-0.145 D	0.017 L
110.0	0.156 G	-0.141 D	0.006 G	0.145 G	-0.133 D	0.015 L
100.0	0.130 G	-0.118 D	0.006 G	0.132 G	-0.121 D	0.014 L
90.0	0.107 G	-0.097 D	0.005 G	0.119 G	-0.108 D	0.012 L
80.0	0.086 G	-0.078 D	0.005 G	0.106 G	-0.096 D	0.011 L
70.0	0.068 G	-0.061 D	0.004 G	0.092 G	-0.084 D	0.010 L
60.0	0.052 G	-0.046 D	0.004 G	0.079 G	-0.072 D	0.008 L
50.0	0.038 G	-0.034 D	0.003 G	0.066 G	-0.060 D	0.007 L
40.0	0.026 G	-0.023 D	0.003 G	0.053 G	-0.048 D	0.005 L
30.0	0.015 G	-0.013 D	0.002 L	0.039 G	-0.036 D	0.004 L
20.0	0.005 G	-0.005 D	0.001 L	0.026 G	-0.024 D	0.002 L
13.3	0.002 G	-0.002 D	0.001 L	0.017 G	-0.016 D	0.002 L
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
250.0	-----	-----	0.18 A	0.00 A
	0.04 G	0.50 G		
245.0	-----	-----	0.05 G	0.00 A
	0.00 A	1.49 A		
240.0	-----	-----	0.57 E	0.00 A
	2.31 A	1.23 F		
235.0	-----	-----	0.07 A	0.00 A
	4.68 A	1.80 F		
230.0	-----	-----	0.03 A	0.00 A
	8.07 A	1.77 F		
225.0	-----	-----	0.06 A	0.00 A
	11.06 A	2.14 L		
220.0	-----	-----	0.04 A	0.00 A
	14.83 A	2.21 L		
215.0	-----	-----	0.04 A	0.00 A
	18.22 A	2.42 L		
210.0	-----	-----	0.04 A	0.00 A
	22.10 A	2.46 F		
205.0	-----	-----	0.04 A	0.00 A
	26.23 A	2.42 L		
200.0	-----	-----	0.04 A	0.00 A
	30.72 A	2.51 F		
193.3	-----	-----	0.04 A	0.00 A
	35.38 A	2.45 J		
186.7	-----	-----	0.04 A	0.00 A

180.0	39.76 A	2.37 D	0.04 A	0.00 A
	43.78 A	2.37 D		
173.3	47.62 A	2.33 D	0.03 A	0.00 A
	51.22 A	2.34 D		
166.7	54.68 A	2.34 D	0.03 A	0.00 A
	57.95 A	2.36 D		
160.0	61.13 A	2.39 K	0.02 A	0.00 A
	64.89 A	2.63 E		
153.3	69.29 A	2.68 K	0.05 A	0.00 A
	73.40 A	2.72 K		
146.7	77.32 A	2.80 K	0.03 A	0.00 A
	81.10 A	2.86 K		
140.0	84.81 A	2.95 K	0.02 A	0.00 A
	88.38 A	3.02 K		
130.0	91.90 A	3.12 K	0.02 A	0.00 A
	95.32 A	3.19 K		
120.0	98.71 A	3.29 K	0.02 A	0.00 A
	102.02 A	3.38 K		
110.0	105.28 A	3.47 K	0.01 K	0.00 A
	109.33 A	3.59 K		
100.0	108.24 A	4.68 K	0.01 G	0.00 A
90.0			0.05 A	0.00 A
80.0			0.19 E	0.00 K
70.0			0.00 A	0.00 A
60.0				
50.0				
40.0				
30.0				
20.0				
13.3				
0.0				

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
250.0			-0.34 G	0.00 A
	-0.44 A	-0.27 A		
245.0	-4.79 G	-1.77 G	-0.02 A	0.00 A
240.0	-8.66 G	-1.61 L	-0.32 C	0.00 A
235.0	-13.93 G	-1.66 F	0.00 A	0.00 A
230.0	-18.48 G	-1.97 L	-0.01 G	0.00 A
225.0	-24.01 G	-2.13 F	0.00 G	0.00 A
220.0	-29.32 G	-2.33 L	-0.02 G	0.00 A
215.0	-35.03 G	-2.44 F	-0.01 G	0.00 A
210.0	-40.52 G	-2.54 L	-0.02 G	0.00 A
205.0	-45.26 G	-2.41 F	-0.01 G	0.00 A
200.0	-50.31 G	-2.57 L	-0.02 G	0.00 A
193.3	-55.86 G	-2.45 D	-0.02 G	0.00 A
186.7	-60.98 G	-2.42 D	-0.02 G	0.00 A
180.0			-0.02 G	0.00 A

173.3	-65.89 G	-2.37 D	-0.01 G	0.00 A
166.7	-70.57 G	-2.37 D	-0.02 G	0.00 A
160.0	-75.08 G	-2.37 K	-0.01 G	0.00 A
153.3	-79.46 G	-2.40 K	-0.02 G	0.00 A
146.7	-83.74 G	-2.44 K	-0.01 G	0.00 A
140.0	-87.95 G	-2.45 K	-0.01 G	0.00 A
130.0	-92.98 G	-2.78 K	-0.02 G	0.00 A
120.0	-99.00 G	-2.79 K	-0.01 G	0.00 A
110.0	-104.90 G	-2.87 K	-0.01 G	0.00 A
100.0	-110.81 G	-2.91 K	-0.01 G	0.00 A
90.0	-116.61 G	-3.00 K	-0.01 G	0.00 A
80.0	-122.37 G	-3.06 K	-0.01 G	0.00 A
70.0	-128.06 G	-3.16 K	-0.01 G	0.00 A
60.0	-133.76 G	-3.23 K	-0.01 G	0.00 A
50.0	-139.41 G	-3.34 K	-0.01 G	0.00 A
40.0	-145.05 G	-3.40 K	-0.01 E	0.00 A
30.0	-150.65 G	-3.48 K	-0.03 A	0.00 A
20.0	-156.23 G	-3.53 K	-0.02 G	0.00 A
13.3	-162.25 G	-3.77 K	-0.29 K	0.00 K
0.0	-163.34 G	-4.80 K	0.00 A	0.00 A

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

LOAD		COMPONENTS		TOTAL
NORTH	EAST	DOWN	UPLIFT	SHEAR
15.18 G	13.16 K	169.81 G	-112.76 A	15.18 G

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

HORIZONTAL			DOWN	OVERTURNING			TORSION
NORTH	EAST	TOTAL		NORTH	EAST	TOTAL	
	@	0.0			@	0.0	
23.2 G	-20.6 D	23.2 G	77.2 L	3618.5 G	-3272.7 D	3618.5 G	17.7 L

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

		h_L (ft.)	W_L (kips)	W_2 (kips)	w/Δ_{Lk}	$F_{v, or E_{Lk}}$ (kips)	E_v (kips)	$1.2 D + 1.0 E_v$ (kips)	$0.9 D - 1.0 E_v$ (kips)
Parameters									
Risk Category	II								
R	3.000								
S _s	0.954								
S ₁	0.327								
Site Class	D (default)								
T _L (sec)	12.000								
F _a	1.200								
F _v	1.973								
S _{MS}	1.145								
S _{M1}	0.645								
S _{DS}	0.763								
S _{D1}	0.430								
T _s	0.564								
l _g	1.000								
Ω	1.500								
C _s	0.229								
h (ft)	250.00								
K _r	4,540								
W _a (ft)	16.52								
W _o (ft)	29.00								
W (kips)	82.506								
W ₁ (kips)	39.150								
W ₂ (kips)	10.471								
f ₁ (Hertz)	1.066								
T (sec)	0.938								
k _v	1.2190								
V _s (Kips)	18.894								
Seismic Design Category	D								
Description									
Mount/Antenna Load	245.00	9.5330	9.5330	0.0000	7,791.5354	4.2206	1.4547	12.8943	7.1250
Structure - Section 1	245.00	0.5460	0.5460	0.0000	446.2581	0.2417	0.0833	0.7385	0.4081
Ladder/Line	242.50	0.0824	0.0824	0.0000	66.5106	0.0360	0.0126	0.1115	0.0616
Ladder/Line	236.50	0.1154	0.1154	0.0000	90.3454	0.0489	0.0176	0.1561	0.0863
Mount/Antenna Load	233.00	4.8350	4.8350	0.0000	3,717.0923	2.0135	0.7378	6.5398	3.6137
Structure - Section 2	230.00	1.2250	1.2250	0.0000	927.0055	0.5022	0.1869	1.6569	0.9156
Ladder/Line	228.00	0.2896	0.2896	0.0000	216.8309	0.1175	0.0442	0.3917	0.2164
Mount/Antenna Load	223.00	4.8350	4.8350	0.0000	3,523.5473	1.9087	0.7378	6.5398	3.6137
Ladder/Line	221.50	0.0869	0.0869	0.0000	62.8102	0.0340	0.0133	0.1176	0.0649
Ladder/Line	221.50	0.0494	0.0494	0.0000	35.7057	0.0193	0.0075	0.0668	0.0370
Ladder/Line	216.50	0.2027	0.2027	0.0000	142.4876	0.0772	0.0309	0.2741	0.1515
Ladder/Line	216.50	0.1154	0.1154	0.0000	81.1202	0.0439	0.0176	0.1561	0.0863
Mount/Antenna Load	213.00	4.3350	4.3350	0.0000	2,987.3344	1.6182	0.6615	5.8635	3.2400
Structure - Section 3	210.00	1.7620	1.7620	0.0000	1,193.4143	0.6465	0.2689	2.3833	1.3169
Ladder/Line	206.50	0.3765	0.3765	0.0000	249.8346	0.1353	0.0575	0.5093	0.2814
Ladder/Line	206.50	0.3765	0.3765	0.0000	249.8346	0.1353	0.0575	0.5093	0.2814
Ladder/Line	190.00	0.5792	0.5792	0.0000	347.2396	0.1881	0.0884	0.7834	0.4329
Ladder/Line	190.00	0.5792	0.5792	0.0000	347.2396	0.1881	0.0884	0.7834	0.4329
Structure - Section 4	190.00	2.2110	2.2110	0.0000	1,325.5295	0.7180	0.3374	2.9906	1.6525
Ladder/Line	170.00	0.5792	0.5792	0.0000	303.2116	0.1642	0.0884	0.7834	0.4329
Ladder/Line	170.00	0.5792	0.5792	0.0000	303.2116	0.1642	0.0884	0.7834	0.4329
Structure - Section 5	170.00	2.4590	2.4590	0.0000	1,287.2881	0.6973	0.3752	3.3260	1.8379
Ladder/Line	150.00	0.5792	0.5792	0.0000	260.3058	0.1410	0.0884	0.7834	0.4329
Ladder/Line	150.00	0.5792	0.5792	0.0000	260.3058	0.1410	0.0884	0.7834	0.4329
Structure - Section 6	150.00	3.1450	3.1450	0.0000	1,413.4352	0.7656	0.4799	4.2539	2.3506
Ladder/Line	130.00	0.5792	0.5792	0.0000	218.6379	0.1184	0.0884	0.7834	0.4329
Ladder/Line	130.00	0.5792	0.5792	0.0000	218.6379	0.1184	0.0884	0.7834	0.4329
Structure - Section 7	130.00	3.3840	3.3840	0.0000	1,277.4011	0.6920	0.5164	4.5772	2.5292
Ladder/Line	110.00	0.5792	0.5792	0.0000	178.3554	0.0966	0.0884	0.7834	0.4329
Ladder/Line	110.00	0.5792	0.5792	0.0000	178.3554	0.0966	0.0884	0.7834	0.4329
Structure - Section 8	110.00	4.5180	4.5180	0.0000	1,391.2459	0.7536	0.6894	6.1110	3.3768
Ladder/Line	90.00	0.5792	0.5792	0.0000	139.6530	0.0756	0.0884	0.7834	0.4329
Ladder/Line	90.00	0.5792	0.5792	0.0000	139.6530	0.0756	0.0884	0.7834	0.4329
Structure - Section 9	90.00	4.6540	4.6540	0.0000	1,122.1425	0.6079	0.7102	6.2950	3.4784
Ladder/Line	70.00	0.5792	0.5792	0.0000	102.8024	0.0557	0.0884	0.7834	0.4329

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

Description	h _v (ft.)	w _i (kips)	W ₂ (kips)	Vertical Distribution of Seismic Forces			
				w _i h _i ^{ko}	F _v or E _h (kips)	E _v (kips)	1.2 D + 1.0 E _v 0.9 D - 1.0 E _v (kips)
Ladder/Line	70.00	0.5792	0.0000	102.8024	0.0557	0.0884	0.7834 0.4329
Structure - Section 10	70.00	5.0130	0.0000	889.7586	0.4820	0.7650	6.7806 3.7467
Ladder/Line	50.00	0.5792	0.0000	68.2139	0.0370	0.0884	0.7834 0.4329
Ladder/Line	50.00	0.5792	0.0000	68.2139	0.0370	0.0884	0.7834 0.4329
Structure - Section 11	50.00	5.2530	0.0000	618.6597	0.3351	0.8016	7.1052 3.9261
Ladder/Line	30.00	0.5792	0.0000	36.5965	0.0198	0.0884	0.7834 0.4329
Ladder/Line	30.00	0.5792	0.0000	36.5965	0.0198	0.0884	0.7834 0.4329
Structure - Section 12	30.00	5.4060	0.0000	341.5756	0.1850	0.8250	7.3122 4.0404
Ladder/Line	10.00	0.5792	0.0000	9.5902	0.0052	0.0884	0.7834 0.4329
Ladder/Line	10.00	0.5792	0.0000	9.5902	0.0052	0.0884	0.7834 0.4329
Structure - Section 13	10.00	6.1130	0.0000	101.2172	0.0548	0.9328	8.2684 4.5689
Σ		82.51	10.4711	34,879.13	18.89	12.59	111.60 61.67

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)		
240	250	2.875 OD X .276								6	0.75	6.50	1.00	8.50
220	240	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
200	220	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
180	200	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
160	180	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
140	160	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
120	140	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
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	6	1.25	12.50	1.50	12.50	1.50	15.75
0	20	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.50	13.25	1.75	13.25	1.75	17.00

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)
240	250	L 2 X 2 X 1/8	1	0.625	1.500		1.125	0.375
220	240	L 2 X 2 X 3/16	1	0.625	1.500		1.125	0.375
200	220	L 2 1/2 X 2 1/2 X 3/16	1	0.625	1.500		1.375	0.375
180	200	L 2 1/2 X 2 1/2 X 3/16	1	0.625	1.500		1.375	0.375
160	180	L 3 X 3 X 3/16	1	0.625	1.500		1.750	0.375
140	160	L 3 X 3 X 3/16	1	0.750	1.500		1.750	0.375
120	140	L 3 1/2 X 3 X 1/4	1	0.750	1.625		1.750	0.375
100	120	L 3 1/2 X 3 1/2 X 1/4	1	0.750	1.625		1.750	0.375
80	100	L 3 1/2 X 3 1/2 X 1/4	1	0.750	1.625		1.750	0.375
60	80	L 4 X 4 X 1/4	1	0.750	1.625		2.000	0.375
40	60	L 4 X 4 X 1/4	2	0.625	1.625	2.1250	2.000	0.500
20	40	L 4 X 4 X 1/4	2	0.625	1.625	2.1250	2.000	0.500
13.33	20	L 4 X 4 X 1/4	2	0.750	1.625	2.6875	2.000	0.500
0	13.33	L 5 X 3 1/2 X 1/4	2	0.750	1.625	2.6250	1.750	0.500

Competitive Site Map
Y0105 - EV Draffenville North

Owner: SBA Properties, LLC
Lat: 36.98605347
Long: -88.35516357
Type of Structure: Tower

3 Miles

1 Miles

0.5 Miles

Owner: Texas Gas Transmission, LLC
Lat: 36.96305466
Long: -88.38500214
Type of Structure: Tower

Owner: Vertical Bridge
Lat: 36.9268
Long: -88.3439
Type of Structure: Building

Owner: County of Marshall, KY
Lat: 36.91533279
Long: -88.33752441
Type of Structure: Tower

Owner: Lamar
Lat: 36.919102
Long: -88.338402
Type of Structure: Billboard

Owner: Crown Castle South LLC
Lat: 36.91047287
Long: -88.35702515
Type of Structure: Tower



Archive Search Results Form 7460-1 for ASN 2023-ASO-32633-OE

Overview				
Study (ASN):	2023-ASO-32633-OE			
Prior Study:				
Status:	Determined			
Letters:	Determination			
Received Date:	12/13/2023			
Entered Date:	12/13/2023			
Completion Date:	01/25/2024			
Expiration Date:	07/25/2025			
Map:	View Map			
Supplemental Form 7460-2: Please login to add a Supplemental Form 7460-2.				
Sponsor Information				
Sponsor:	TowerCo 2013 LLC			
Attention Of:	Henry Byrne			
Address:	5000 Valley Stone Drive			
Address2:	Suite 200			
City:	Cary			
State:	NC			
Postal Code:	27519			
Country:	US			
Phone:	919-653-5753			
Fax:	919-469-5530			
Sponsor's Representative Information				
Representative:	Wireless Applications Corporation			
Attention Of:	Ron Lageson			
Address:	111-108th Ave. NE			
Address2:	Suite 160			
City:	Bellevue			
State:	WA			
Postal Code:	98004			
Country:	US			
Phone:	425-643-5000			
Fax:	000-000-0000			
Construction Info				
Notice Of:	CONSTR			
Duration:	PERM (Months: 0 Days: 0)			
Work Schedule:	01/15/2024 to 01/01/2025			
Date Built:				
Structure Summary				
Structure Type:	Antenna Tower			
Structure Name:	KY0105 EV Draffenville North			
FCC Number:				
Structure Details				
Latitude (NAD 83):	36° 56' 48.25" N			
Longitude (NAD 83):	88° 21' 33.06" W			
Horizontal Datum:	NAD 83			
Survey Accuracy:	1A			
Marking/Lighting:	Dual-red and medium intensity			
Other Description:				
Current Marking/Lighting:	N/A Proposed Structure			
Current Marking/Lighting Other Description:				
Name:				
City:	Benton			
State:	KY			
Nearest County:	Marshall			
Nearest Airport:	M34			
Distance to Structure:	28846.7 feet			
On Airport:	No			
Direction to Structure:	217.26°			
Description of Location:	4001 Raceway Lane			
Description of Proposal:	Proposed site is a 260 ft AGL SSL tower, including all top-mounted appurtenances.			
Height and Elevation				
	Proposed	DNE	DET	
Site Elevation:	463			
Structure Height:	260	0	260	
Total Height (AMSL):	723	0	723	
Frequencies				
Low Freq	High Freq	Unit	ERP	Unit
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	824	MHz	500	W
806	901	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W

1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W
3700	3980	MHz	1640	W

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.
 2023-ASO-32633-OE

Issued Date: 01/25/2024

Henry Byrne
 TowerCo 2013 LLC
 5000 Valley Stone Drive
 Suite 200
 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 KY0105 EV Draffenville North
 Location: Benton, KY
 Latitude: 36-56-48.25N NAD 83
 Longitude: 88-21-33.06W
 Heights: 463 feet site elevation (SE)
 260 feet above ground level (AGL)
 723 feet above mean sea level (AMSL)

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

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

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

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

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

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

See attachment for additional condition(s) or information.

This determination expires on 07/25/2025 unless:

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

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

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

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

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

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

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

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ASO-32633-OE.

Signature Control No: 607053686-610594809

Angelique Eersteling
Technician

(DNE)

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

cc: FCC

BASIS FOR DECISION

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

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

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

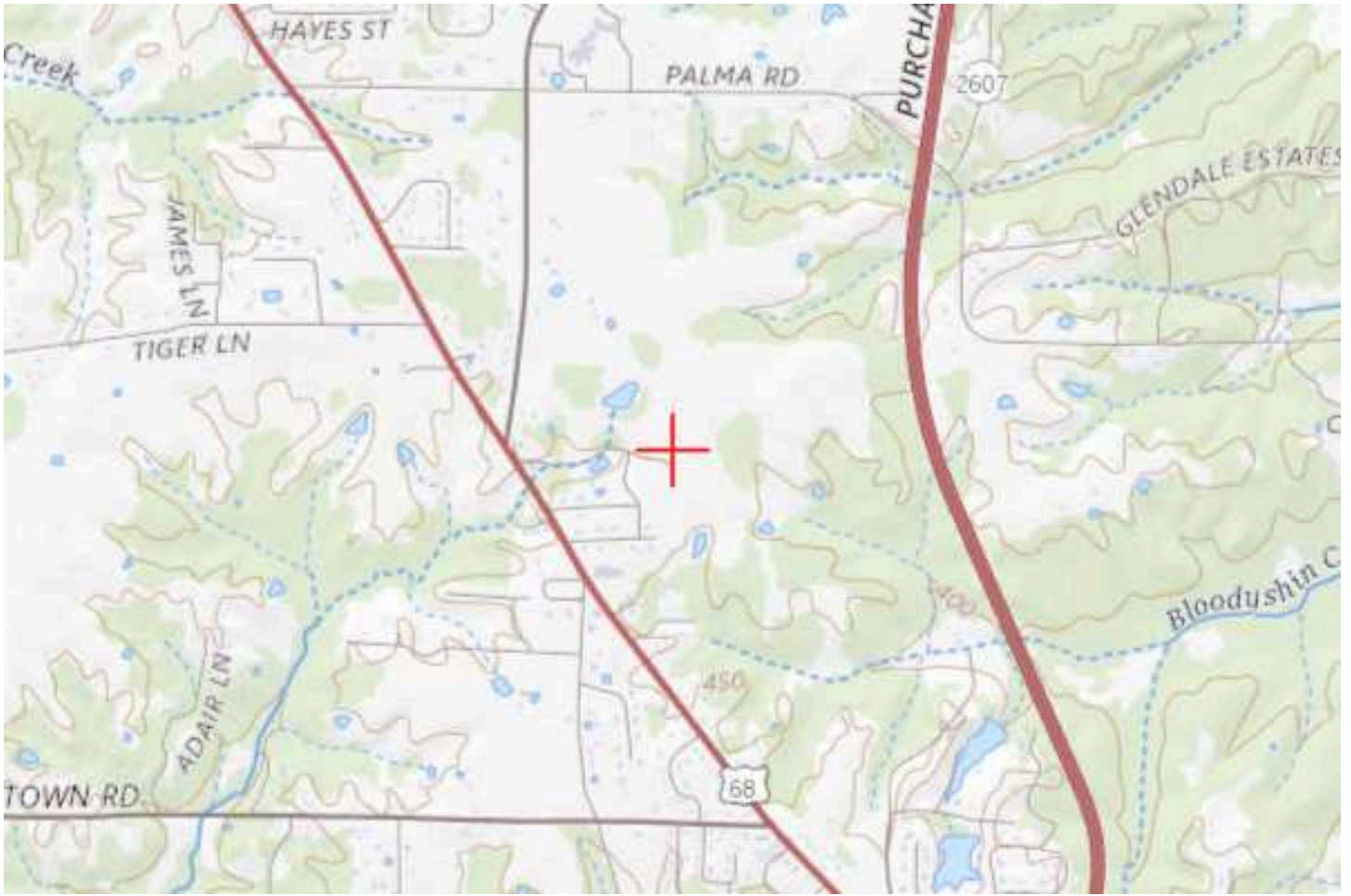
Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

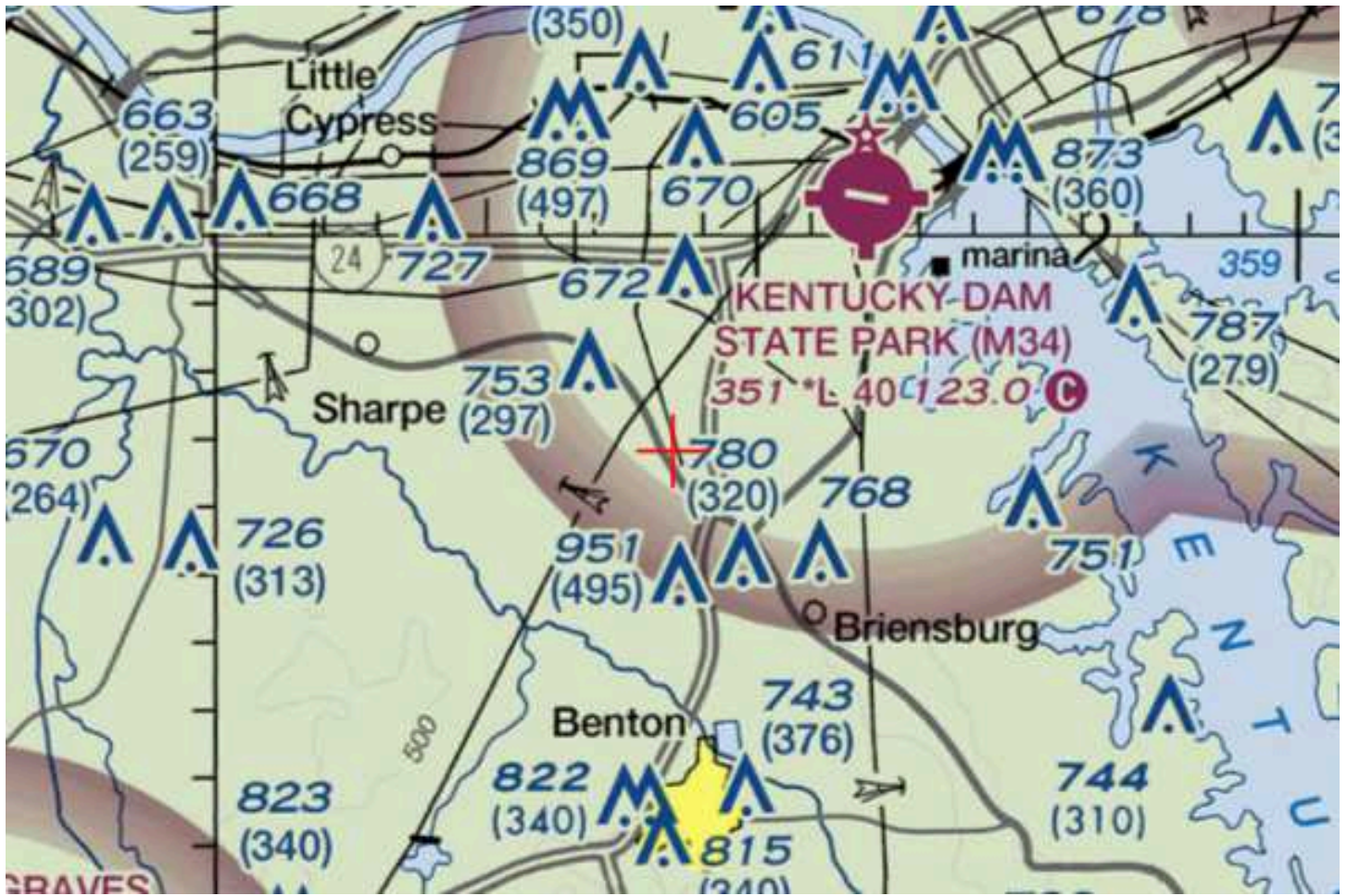
Case Description for ASN 2023-ASO-32633-OE

Proposed site is a 260 ft AGL SSL tower, including all top-mounted appurtenances.

Frequency Data for ASN 2023-ASO-32633-OE

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





From: ron.lageson@wacorp.net
To: [Edward Schafer](#)
Subject: FW: Proposed Tower structure in KY
Date: Wednesday, February 21, 2024 11:16:30 AM

fyi

From: Airport Zoning Commission <AirportZoning@ky.gov>
Sent: Wednesday, February 21, 2024 8:15 AM
To: ron.lageson@wacorp.net
Cc: 'Henry Byrne' <hbyrne@towerco.com>
Subject: Re: Proposed Tower structure in KY

Ron,

We received your application, and it will be added to the Agenda of the April 11, 2024 KAZC meeting.

We will contact you if we have questions.

Regards,
Anthony Adams
Dept of Aviation
Administrator, KY Airport Zoning Commission
502-564-0151 office
502-330-4022 mobile

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From: ron.lageson@wacorp.net <ron.lageson@wacorp.net>
Sent: Wednesday, February 21, 2024 11:11 AM
To: Airport Zoning Commission <AirportZoning@ky.gov>
Cc: 'Henry Byrne' <hbyrne@towerco.com>
Subject: Proposed Tower structure in KY

****CAUTION** PDF attachments may contain links to malicious sites. Please contact the COT Service Desk ServiceCorrespondence@ky.gov for any assistance.**

Proposed 260 ft AGL tower near Benton, KY, please let me know if you need anything else, KAZC TC55-2 and FAA DNH letter attached.

1. TowerCo – 5000 Valleystone Dr., Cary, NC 27519
2. Requester Contact: Henry Byrne : (919) 272-7766
3. Work Schedule: 12/1/24-3/31/25
4. Lat/Long: 36° 56' 48.25" N, 88° 21' 33.06" W
5. Site Elevation: 463'

6. Tower Height: 260' – Crane Height: 270'
7. On Site Contact: Bob Evans : (919) 653-5700

Thank you,

Ronald W. Lageson, Jr
Regulatory Compliance Manager
Wireless Application Corporation
425-643-5000

GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

March 8, 2024

**PROPOSED SELF SUPPORT TOWER
EV DRAFFENVILLE NORTH
KY0105**

**Raceway Lane
Benton, KY 42025**

36.9467, -88.3591

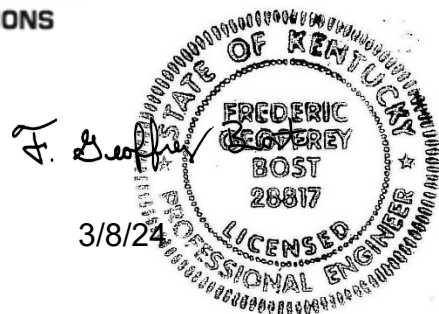
Prepared for:



Prepared by:



Matt Nesbit, E.I.
Geotechnical Engineer I



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

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

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

Project Summary

Item	Description
Project Description	A geotechnical exploration and report have been prepared for this proposed 250-foot self-supported tower with 5-foot lighting arrester. Included in this report are the results of the field exploration and the recommendations for the design of the foundation system.
Site Coordinates	Latitude: 36.9467 Longitude: -88.3591
Site Condition	The proposed tower will be installed at Raceway Lane in Benton, Kentucky
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Marshall County, KY is 20 inches (1.8 ft).
Groundwater	Groundwater was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.
Proposed Foundation	We assume the proposed foundation will be supported with either pad and pier or drilled shaft (caisson).

Field Exploration

Item	Description
Date	March 6 th , 2024
Number of Borings	1
Location	Latitude: 36.9467 Longitude: -88.3591
Equipment Used	Geoprobe
Advancement Method	Hollow Stem Auger (HSA)
Sampling Method	ASTM D-1586 with 1.5 I.D. Split Spoon Sampler

Laboratory Classification and Testing

Standard	Description
ASTM D2488	Standard Practice for Description and Identification of Soils

Subsurface Profile

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

Material Encountered	Approximate Depth to Bottom of Stratum	Description	Consistency / Density
CLAY	22	Red and tan, moist sandy lean clay	Medium Stiff to Very Stiff
SAND	37	Tan, moist silty sand	Dense to Very Dense
PWR	47	Partially Weathered Rock sampled as silty sand	--
SAND	50	Tan, moist silty sand	Very Dense

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

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

Earthwork Recommendations – Equipment Mat

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

Site Preparation

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

Fill Material Types

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

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

Fill Compaction Requirements

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

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

Excavations

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

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

Slopes

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

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

Earthwork Construction Considerations

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

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

Foundations Recommendations

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

Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 2.0	CL	100	--	400
	2.0 – 5.0	CL	105	--	800
	5.0 – 8.0	CL	105	--	900
	8.0 – 12.0	CL	105	--	500
	12.0 – 22.0	CL	115	--	1,300
	22.0 – 32.0	SM	130	38	--
	32.0 – 37.0	SM	125	32	--
	37.0 – 47.0	PWR	130	38	--
	47.0 – 50.0	SM	130	38	--

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

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

Modulus of Subgrade Reaction

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

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

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

Where:

q_a = Allowable Bearing Capacity (ksf)

SF = Safety Factor

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

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

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

Caisson (Drilled Shaft)

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

Caisson (Drilled Shaft) Parameters

Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	Ultimate Skin Friction ¹ (ksf)		Lateral Modulus (pci)	ε ₅₀ (in/in)
		Compressive	Uplift		
0.0 – 2.0	--	--	--	--	--
2.0 – 5.0	--	0.4	0.4	500	0.007
5.0 – 8.0	--	0.5	0.5	500	0.007
8.0 – 12.0	--	0.3	0.3	100	0.01
12.0 – 22.0	12	0.7	0.7	500	0.007
22.0 – 32.0	40	1.4	1.4	225	--
32.0 – 37.0	40	1.6	1.6	225	--
37.0 – 47.0	40	2.2	2.2	225	--
47.0 – 50.0	40	2.6	2.6	225	--

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

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

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

Pad & Pier / Single Mat Foundation

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

Net Ultimate Bearing Capacity and Sliding Friction Factor

Depth² (ft)	Net Ultimate Bearing Capacity¹ (psf)	Sliding Friction Factor¹
0.0 – 2.0	--	--
2.0 – 8.0	6,500	0.30
8.0 – 15.0	4,000	

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

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure ¹ (psf) ¹
B-1	0.0 – 2.0	0 – 400
	2.0 – 4.0	400 – 800
	4.0 – 8.0	800 – 1,600
	8.0 – 12.0	1,600 – 2,400
	12.0 – 20.0	2,400 – 4,000

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

Seismic Parameters

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

Seismic Site Classification

Item	Seismic Parameter
2018 International Building Code Seismic Site Classification	D ¹
Design Spectral Response Acceleration Parameters	S _{ds} = 0.658g S _{d1} = null ²

1. The IBC seismic site classification is based on the subsurface profile depth of 100 feet. The scope of work did not authorize exploration to a depth of 100 feet. A seismic Site Soil Classification of D should be used if insufficient details are known about the 100-foot soil profile.
2. Refer to section 11.4.8 of ASCE 7-16.

LIMITATIONS OF REPORT

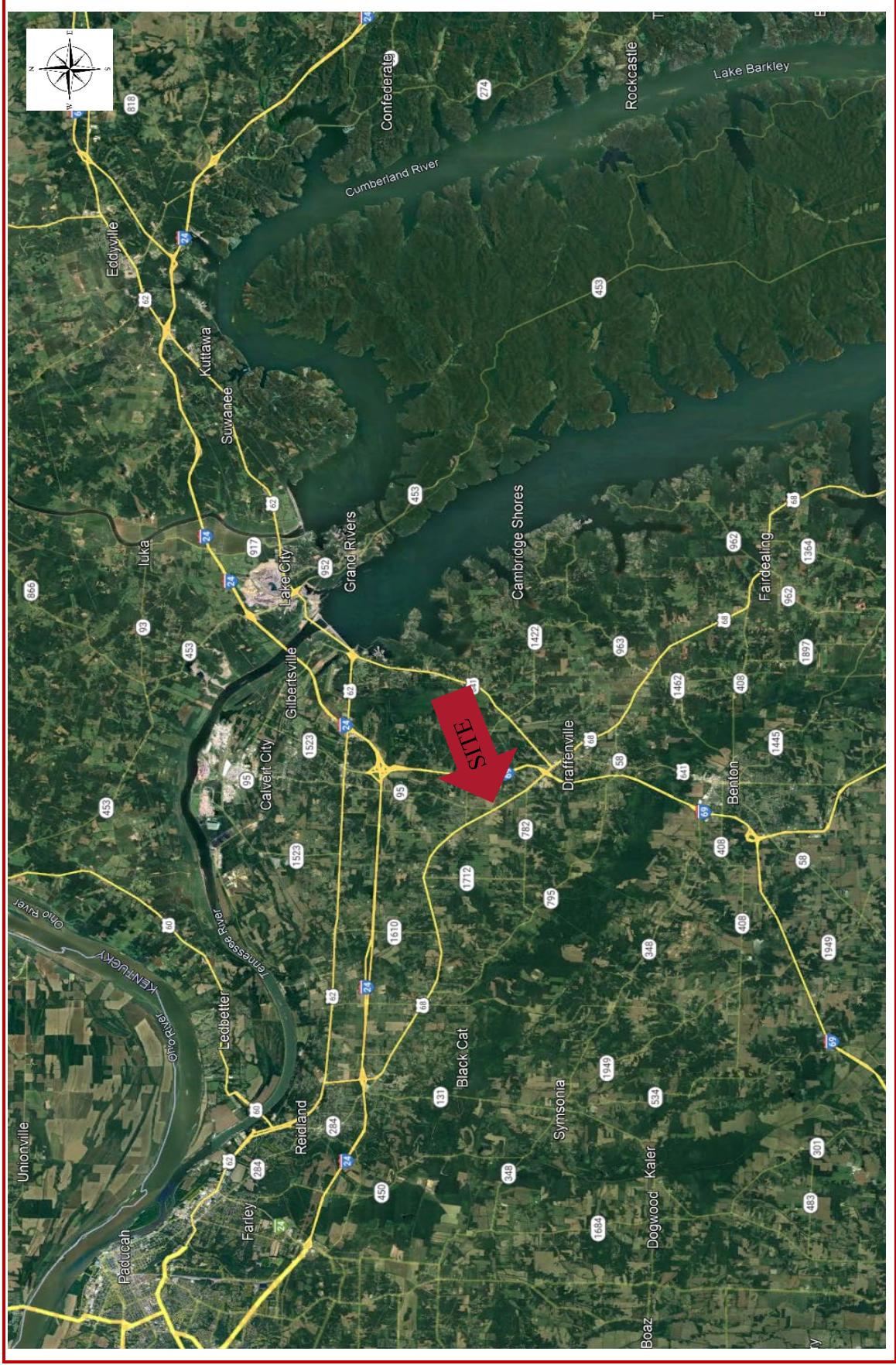
This report has been prepared in accordance with generally accepted geotechnical engineering practices for the specific application of this project. The conclusions in this report are based on the applicable standards of our practice in this geographic area at the time this report was prepared. No other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

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

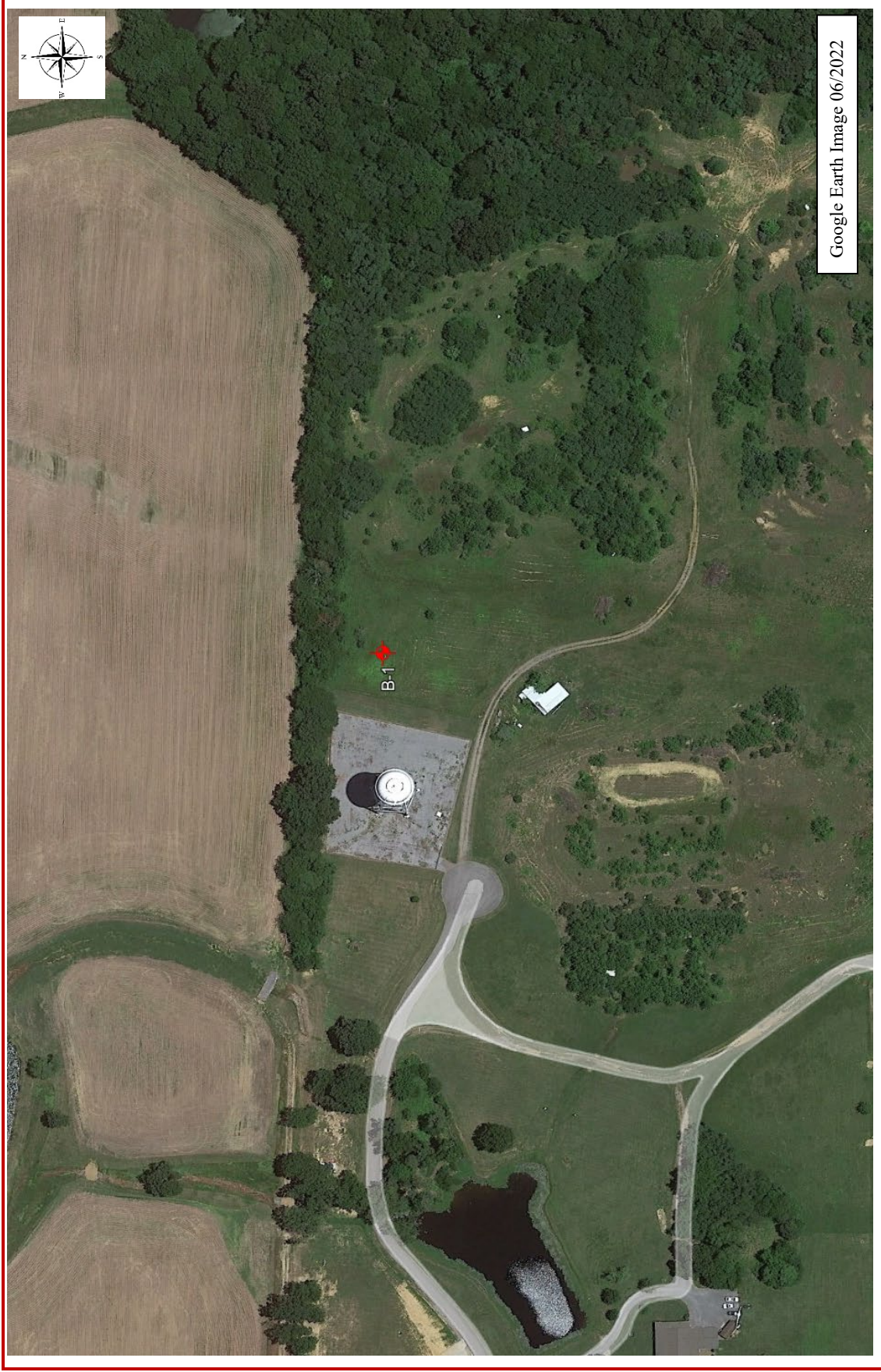
APPENDIX A
LOCATION INFORMATION



SITE LOCATION PLAN
EV DRAFFENVILLE NORTH (KY0105)
Job Number: 24124917



BORING LOCATION PLAN
EV DRAFFENVILLE NORTH (KY0105)
Job Number: 24124917



SITE PHOTO
EV DRAFFENVILLE NORTH (KY0105)
Job Number: 24124917



APPENDIX B
SOIL TEST BORING



CLIENT Tower Co
PROJECT NUMBER 24124917
DATE 3/6/2024
DRILLING METHOD Hollow Stem Auger (HSA)
DRILLING EQUIPMENT Geoprobe
LOGGED BY M. Nesbit
NOTES

PROJECT NAME EV Draffenville North
PROJECT LOCATION Raceway Lane, Benton, KY 42025
COORDINATES 36.9467, -88.3591
GROUND WATER LEVELS:
AT TIME OF DRILLING --- Not Encountered
AT END OF DRILLING --- Not Encountered
AFTER DRILLING --- Not Encountered

ETS - BORING LOG - ETS DATABASE - STANDARD_GEOTECH.GDT - 3/8/24 09:30 - \\ETS.LOCAL\ETS-PUBLIC\2024\124917 - EV DRAFFENVILLE NORTH\GEOTECH\REPORT\DRAFFENVILLE.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	
0					
		<u>SANDY LEAN CLAY (CL)</u> , tan and gray, moist, medium stiff to stiff.	SS 1	1-1-3 (4)	
			SS 2	1-3-5 (8)	
				SS 3	3-4-5 (9)
10				SS 4	2-2-3 (5)
			<u>SANDY LEAN CLAY (CL)</u> , red and tan, moist, stiff to very stiff.	SS 5	5-9-12 (21)
20				SS 6	6-6-7 (13)
			<u>SILTY SAND WITH GRAVEL (SM)</u> , tan, moist, dense to very dense.	SS 7	6-12-39 (51)
30				SS 8	13-21-29 (50)
				SS 9	14-16-28 (44)
40			<u>PARTIALLY WEATHERED ROCK (PWR)</u> , tan, moist, Sampled as Silty Sand.	SS 10	17-50/6"
				SS 11	10-32-50/5"
50			<u>SILTY SAND (SM)</u> , tan, moist, very dense.	SS 12	23-39-42 (81)
Bottom of borehole at 50.0 feet.					

DIRECTIONS TO SITE

BEGINNING AT THE MARSHALL COUNTY SEAT, BENTON, KY, TAKE I-69 NORTH 4.2 MILES, US-68 (EXIT 47), TURN LEFT (NORTH) 1.7 MILE, RACEWAY LANE, TURN RIGHT (EAST), TO SITE ENTRANCE AT CUL-DE-SAC AT THE END OF THE STREET

PREPARED BY MISSION 1 COMMUNICATIONS, 260-436-3922

Pd.\$ _____ Rec. fee \$ _____ Tax

Book Name: MISC

Book Number: 190

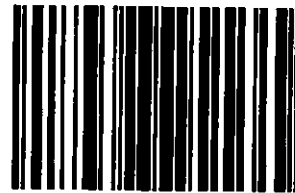
Page Number: 551-562(12)

CRISSY GREER

Marshall COUNTY

12/14/2023, 2:03:43 PM

Kristen Johnson, DC



1098990

Prepared by Jason Catalini

Ater recording return to:

TowerCo 2013 LLC
5000 Valleystone Drive, Suite 200
Cary, NC 27519

(Recorder's Use Above this Line)

STATE OF KENTUCKY)
)
COUNTY OF MARSHALL)

PARCEL NO. 34-00-00-069.00C00

MEMORANDUM OF LEASE

This Memorandum of Lease is entered into on this 18th day of October, 2023, by and between **RHONDA B. THOMPSON (f/k/a Rhonda B. Powell, a/k/a Rhonda Ruth Powerll) and BRIAN THOMPSON**, husband and wife, having a mailing address of 260 Raceway Lane, Benton, KY 42025 (hereinafter referred to as "Lessor") and **TOWERCO 2013 LLC**, a Delaware limited liability company having a mailing address of 5000 Valleystone Drive, Suite 200, Cary, NC 27519 (hereinafter referred to as "Lessee").

1. Lessor and Lessee entered into that certain Ground Lease Agreement dated the 18th day of October, 2023 (the "Lease") for certain real property and easements as described in **Exhibit B** attached hereto (collectively, the "Premises"), which are a portion of that certain parcel of real property located in Benton, County of Marshall, State of Kentucky, described in **Exhibit A** attached hereto (the "Land").
2. The Lease shall have an initial term of five (5) years, with nineteen (19) additional five (5) year renewal terms.
3. The purpose of this Memorandum is to give record notice of the Lease and of the rights created thereby all of which are hereby confirmed. In the event of a conflict between the terms of this Memorandum or the addition of any terms in this Memorandum which are not contained in the Lease, the Lease shall control. The terms of the Lease are hereby incorporated by reference.
4. Pursuant to the Lease, Lessee has a right of first refusal to meet any bona fide offers if Lessor elects to (i) sell or otherwise transfer all or any portion of the Premises or Property, or (ii) grant to an easement, or other legal right or interest, in and to any portion of the Premises to a third

party who is (a) in the business of acquiring rent or revenue streams related directly, or indirectly, to wireless infrastructure assets or (b) in the tower management business, with or without an assignment of this agreement (including but not limited to assignments of rental streams associated with this agreement), Lessee shall have the right of first refusal to meet any bona fide offer of sale, assignment, or any other transfer on the same terms and conditions as such offer.

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LESSEE:

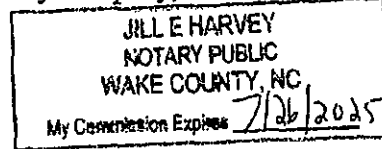
TOWERCO 2013 LLC, a Delaware limited liability company

By: [Signature]
Name: Mike Smith
Title: CFO
Date: 10/18/22

LESSEE ACKNOWLEDGEMENT:

The foregoing instrument was acknowledged before me this October 18, 2022 (date) by Mike Smith, CFO of TowerCo 2013 LLC, a Delaware limited liability company, on behalf of the limited liability company.

[Signature]
Notary Public
Print Name Jill E. Harvey
Title (and Rank): Notary Public
My commission expires: 7/26/2025



(seal)

EXHIBIT A
DESCRIPTION OF LAND

The Land is described and/or depicted as follows:

PROPERTY 1

Situated in Marshall County, Kentucky, viz:

TRACT I:

A 25.36 acre tract of land located approximately one mile Southeast of Palma, Kentucky, on the east side of Highway 68 at the intersection of Highways 68 and 95 and more particularly described as follows:

Beginning at an iron pin set 30 feet East of the centerline of Highway 95 and 90 feet North of the intersection of the east right-of-way of Highway 95 with the east right-of-way of Highway 68, said pin is the southwest corner of Sanders Watkins property and the northwest corner of the herein described property; thence, with a curve to the left with an arc of 186.57 feet and a radius of 246.68 feet with a long chord bearing South 7° 14' East for a distance of 182.16 feet to an iron pin set 30 feet East of the centerline of Highway 68; thence, with the east right-of-way of said highway, South 29° 6' East 385.34 feet to an iron fence post, said fence post being the northwest corner of Julian Henson's property as recorded in Deed Book 204, page 77; thence, with Henson's north line, North 66° 56' East 262.45 feet to an iron fence post, said post being Henson's northeast corner; thence, South 7° 22' East 57.70 feet to an iron pin set in Henson's east property line; thence with a new division line of the Powell property, South 84° 2' East 2186.80 feet to an iron pin in Watkins line; thence, with Watkins line North 5° 14' East 421.61 feet to an iron pin; thence, with Watkins line North 84° 2' West 2687.19 feet to the point of beginning.

TRACT II:

A 25.38 acre tract of land located approximately one mile Southeast of Palma, Kentucky, on the east side of Highway 68 near the intersection of Highways 68 and 95 and more particularly described as follows:

Beginning at an iron post set 30 feet East of the centerline of Highway 68 and 717 feet North of the northwest corner of Charles Mills property as recorded in Deed Book 172, page 173, said iron post being the southwest corner of Julian Henson's property as recorded in Deed Book 204, page 77; thence, with the east right-of-way of Highway 68 South 25° 46' East 358.45 feet to an iron pin; thence, with a new division line of the Powell property, South 87° 7' East 2136.50 feet to an iron pin in Sanders Watkins property line; thence, with Watkins line, North 5° 14' East 442.41 feet to an iron pin; thence, with a new line of division in the Powell's property, North 84° 2' West 2186.80 feet to an iron pin in the east line of Henson's property; thence, with Henson's east line, South 7° 22' East 207.30 feet to the southeast corner of Henson's property; thence, with the south line of Henson's property, South 80° 1' West 184.34 feet to the point of beginning.

LESS AND EXCEPT: An off-conveyance of a 1.187 acre tract plus a 16' wide easement for ingress and egress to Jeffery A. Holley and Paula M. Holley, dated January 3, 1997 of record in Deed Book 292, page 560, and Deed of Correction of record in Deed Book 347, page 97, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of a 21.40 acre tract from David Powell and Rhonda Powell to T. K. Raceway, Inc. dated March 22, 1994 of record in Deed Book 269, page 206, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 20, Powell Village Estates Subdivision, from David W. Powell and wife, Rhonda Ruth Powell, to Brien Keith Evans, dated May 30, 2000 of record in Deed Book 319, page 304, Marshall County Court Clerks' Office.

LESS AND EXCEPT: An off-conveyance of Lot 10, Powell Village Estates Subdivision, from David Powell and wife, Rhonda Powell, to Rhonda Powell, dated November 26, 2001 of record in Deed Book 330, page 139, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 19, Powell Village Estates Subdivision, from David Powell and wife, Rhonda Powell, to Trent Powell and Amanda Etheridge, dated April 16, 2003 of record in Deed Book 340, page 266, Marshall County Court Clerks' Office.

LESS AND EXCEPT: An off-conveyance of a 2 acre tract from David Powell and wife, Rhonda Powell, to Mike Coursey and wife, Rhonda Coursey, dated ?, 2004, acknowledged January 29, 2004, of record in Deed Book 347, page 66, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 11, Powell Village Estates Subdivision, from David W. Powell and wife, Rhonda Ruth Powell, to Brian Keith Evans and wife, Christie Evans, dated August 30, 2004 of record in Deed Book 352, page 352, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of a 1.135 acre tract from David Powell and wife, Rhonda Powell, to Kenneth Shane Vandavelde, dated January 28, 2005 of record in Deed Book 355, page 251, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Tract No. 8 of Powell Village Estates Subdivision, Phase No. 2, to Rhonda B. Powell by virtue of a deed dated the 12th day of October, 2009, of record in Deed Book 394, page 129, Marshall County Court Clerk's Office.

PROPERTY 2

Situated in Marshall County, KY, to wit:

A 21.40 acre (more or less) tract of land located approximately one mile Southeast of Palma, KY, and more particularly described as follows:

Beginning at an iron pin which lies in the southeast corner of the land described as Tract II in the 1986 deed to David Powell, et ux, of record in Deed Book 217, page 113, Marshall County Court Clerk's Office, and which lies in the northeast corner of the land described in the deed to David Powell, et ux, of record in Deed Book 260, page 651, Marshall County Court Clerk's Office (hereinafter referred to as "Church Estates"); thence, N. 5° 14' 00" E. a distance of 864.02 feet to an iron pin; thence, N. 84° 2' 00" W. a distance of 1,100 feet; thence, parallel to the first call to the south line of Church Estates property a distance of 831 feet, more or less; thence, along the south line of Church Estates property S. 87° 7' 00" E. a distance of 1,100 feet to our point of beginning.

EXCEPTING THEREFROM that portion conveyed to ZION'S CAUSE BAPTIST CHURCH, INC. by Deed dated July 27,2012 and recorded on July 31,2012 of record in Deed Book 414, Page 484, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to North Marshall Water District by Deed dated May 13,2013 and recorded on May 13,2013 of record in Deed Book 420, Page 245, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Rhonda B. Thompson (a/k/a Rhonda B. Powell Thompson), by Deed dated August 24,2017 and recorded on August 24,2017, of record in Deed Book 453, Page 671, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Rhonda B. Thompson (a/k/a Rhonda B. Powell Thompson), by Deed dated September 7,2017 and recorded on September 8,2017, of record in Deed Book 454, Page 206, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Jess M. Martin and husband, Blake D. Martin by Deed dated May 13,2021 and recorded on May 14,2021 of record in Deed Book 406, Page 406, in the Office aforesaid.

EXHIBIT B
DESCRIPTION OR DEPICTION OF PREMISES

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

LEASE AREA DESCRIPTION:

A PART OF A PARCEL OF LAND LOCATED APPROXIMATELY ONE MILE SOUTHEAST OF PALMA, KENTUCKY, ON THE EAST SIDE OF HIGHWAY 68 AT THE INTERSECTION OF HIGHWAYS 68 AND 95, ACCORDING TO THE PARENT PARCEL DEED, SITUATED IN MARSHALL COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENING AT A 5/8" CAPPED IRON PIN FOUND AT THE NORTHEAST CORNER OF POWELL VILLAGE ESTATES, PHASE 2, IN SAID MARSHALL COUNTY; THENCE SOUTH 00 DEGREES 26 MINUTES 47 SECONDS EAST 20.58 FEET TO THE NORTHWEST LEASE CORNER AND BEING THE TRUE PLACE OF BEGINNING; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 100.00 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 100.00 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, (0.23 ACRES), MORE OR LESS.

30' ACCESS & UTILITY EASEMENT DESCRIPTION:

A PART OF A PARCEL OF LAND LOCATED APPROXIMATELY ONE MILE SOUTHEAST OF PALMA, KENTUCKY, ON THE EAST SIDE OF HIGHWAY 68 AT THE INTERSECTION OF HIGHWAYS 68 AND 95, ACCORDING TO THE PARENT PARCEL DEED, SITUATED IN MARSHALL COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENING AT A 5/8" CAPPED IRON PIN FOUND AT THE NORTHEAST CORNER OF POWELL VILLAGE ESTATES, PHASE 2, IN SAID MARSHALL COUNTY; THENCE SOUTH 00 DEGREES 26 MINUTES 47 SECONDS EAST 20.58 FEET TO THE NORTHWEST LEASE CORNER; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING; SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 30.00 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 35.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 53.33 FEET; THENCE SOUTH 52 DEGREES 44 MINUTES 08 SECONDS WEST 81.51 FEET; THENCE NORTH 72 DEGREES 15 MINUTES 12 SECONDS WEST 206.46 FEET; THENCE ALONG THE ARC OF AN EXISTING CUL-DE-SAC BEARING TO THE LEFT AND HAVING A RADIUS 40 FEET A DISTANCE ALONG THE ARC OF 37.60 FEET; THENCE SOUTH 72 DEGREES 15 MINUTES 12 SECONDS EAST 211.16 FEET; THENCE NORTH 52 DEGREES 44 MINUTES 08 SECONDS EAST 55.23 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 42.67 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 35.00 FEET;

THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 30.00 FEET; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 12,649 SQUARE FEET, (0.29 ACRES), MORE OR LESS.

THE ABOVE-DESCRIBED PARCELS OF LAND ARE SUBJECT TO ALL LEGAL RIGHTS OF WAYS AND EASEMENTS OF RECORD.

(see attached survey)

TowerCo
 TowerCo, LLC
 5885 W. Highway 100
 Suite 200
 Charlotte, NC 27298
 919-653-5700

MISSION 1
 CONSULTING ENGINEERS
 6902-C Constitution Drive
 Raleigh, NC 27614
 919-876-3322

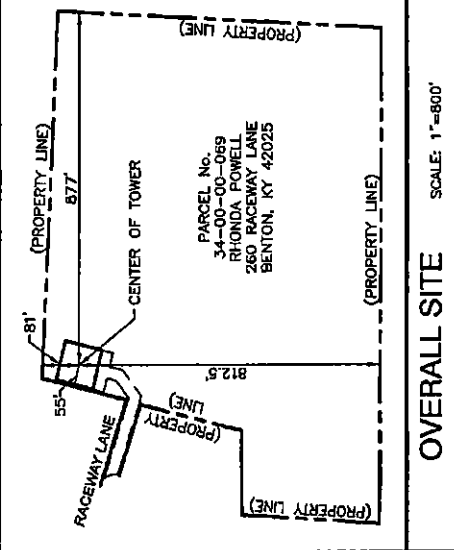
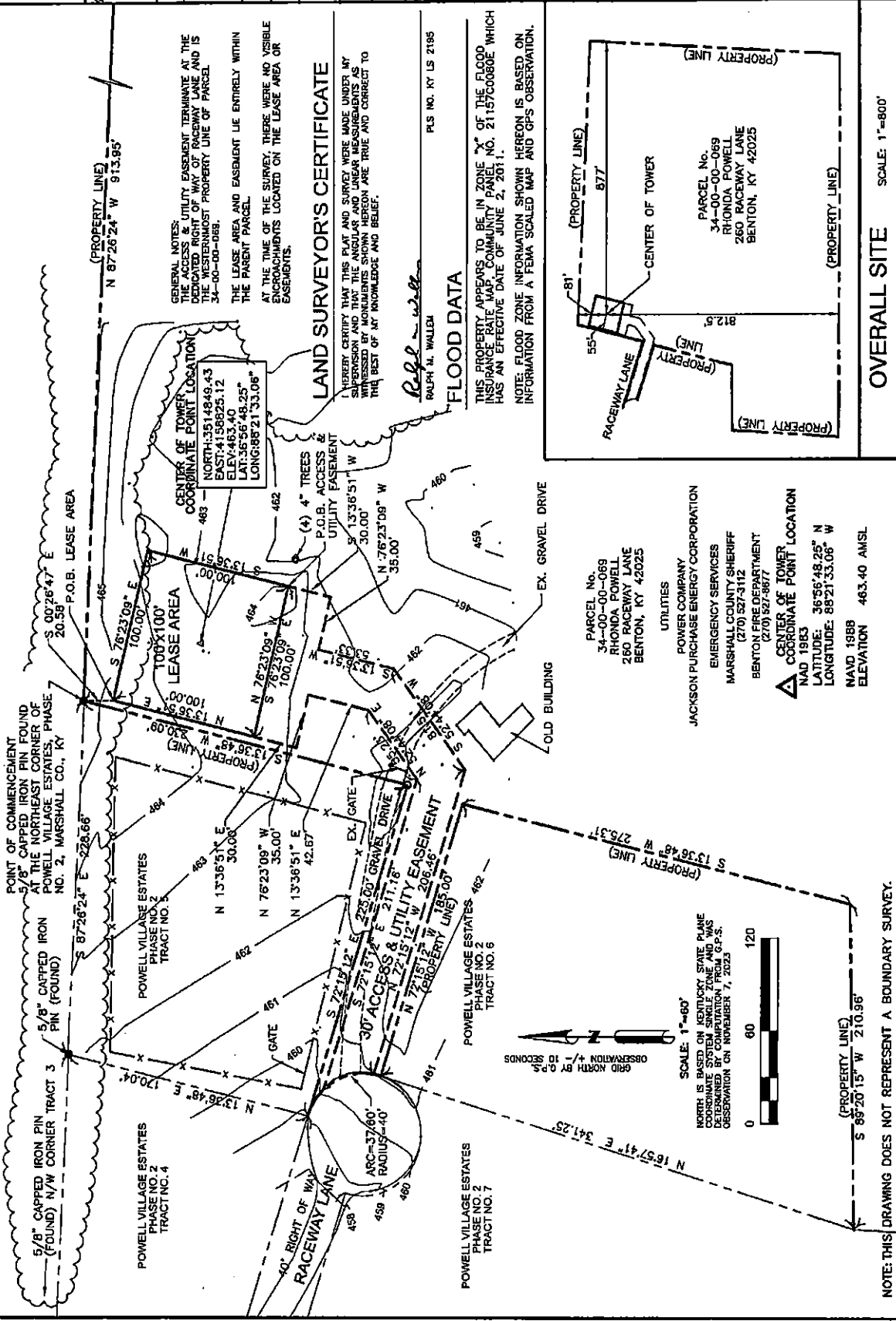
BENCHMARK SERVICES, INC.
 Consulting Engineers
 Land Surveyors
 3330 New Hope Road
 Raleigh, NC 27617
 919-728-3349
 benchmark@bmsurvey.com

SITE No. 781214
SITE NAME EV DRAFFENVILLE NORTH
SITE ADDRESS RACEWAY LANE
 BENTON, KY 42025
LEASE AREA 10000 SQ. FT.
PROPERTY OWNER RHONDA POWELL
 260 RACEWAY LANE
 BENTON, KY 42025
COUNTY MARSHALL COUNTY
PARCEL No. 34-00-00-069

DATE	BY	REVISION/ISSUE	DATE
11.16.23	RAWH		

STATE OF KENTUCKY
 RALPH M. WALLEM
 2195
 LICENSED PROFESSIONAL LAND SURVEYOR

TITLE SURVEY PLAN
SHEET 1 OF 3



TowerCo
TowerCo IV Holdings, LLC
3600 Sully Drive
Sully, NC 27619
919-483-5700

MISSION 1
6002-C CONSTITUTION DRIVE
BENTON, KY 42025
PHONE: 502-338-3522

BENCHMARK SERVICES, INC.
Consulting Engineers
Land Surveyors
1400 SULLY DRIVE
BENTON, KY 42025
PHONE: 502-338-3440
www.benchmarkservices.com

SITE NO. 781214
SITE NAME: EV DRAFFENVILLE NORTH
SITE ADDRESS: RACEWAY LANE
BENTON, KY 42025
LEASE AREA: 10000 SQ. FT.

PROPERTY OWNER: RHONDA POWELL
280 RACEWAY LANE
BENTON, KY 42025
COUNTY: MARSHALL COUNTY
PARCEL NO: 34-00-00-069

LENGTH: 36°58'48.25" N
WIDTH: 88°21'33.06" W
ANG OF CUV: 11.16.23
DATE: 11.16.23
MR. REFERENCE/SUBJECT: DATE:

STATE OF KENTUCKY
RALPH M. WILLEN
2195
LICENSED PROFESSIONAL LAND SURVEYOR

TITLE: SURVEY PLAN
SHEET: 2 OF 3

100x100' LEASE AREA DESCRIPTION
A PART OF A PARCEL OF LAND LOCATED APPROXIMATELY ONE MILE SOUTHEAST OF PALMA KENTUCKY, ON THE EAST SIDE OF HIGHWAY 68 AT THE INTERSECTION OF HIGHWAYS 68 AND 95 ACCORDING TO THE PARENT PARCEL DEED, SITUATED IN MARSHALL COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A 5/8" CAPPED IRON PIN FOUND AT THE NORTHEAST CORNER OF POWELL VILLAGE SECTORS, PHASE 2, IN SAID MARSHALL COUNTY, THENCE SOUTH 00 DEGREES 26 MINUTES 47 SECONDS EAST 20.58 FEET TO THE NORTHWEST LEASE CORNER AND BEING THE TRUE PLACE OF BEGINNING; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 100.00 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 100.00 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, (0.23 ACRES), MORE OR LESS.

30' ACCESS & UTILITY DESCRIPTION
A PART OF A PARCEL OF LAND LOCATED APPROXIMATELY ONE MILE SOUTHEAST OF PALMA KENTUCKY, ON THE EAST SIDE OF HIGHWAY 68 AT THE INTERSECTION OF HIGHWAYS 68 AND 95, ACCORDING TO THE PARENT PARCEL DEED, SITUATED IN MARSHALL COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A 5/8" CAPPED IRON PIN FOUND AT THE NORTHEAST CORNER OF POWELL VILLAGE SECTORS, PHASE 2, IN SAID MARSHALL COUNTY; THENCE SOUTH 00 DEGREES 26 MINUTES 47 SECONDS EAST 20.58 FEET TO THE NORTHWEST LEASE CORNER; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING; SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 30.00 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 35.00 FEET; THENCE SOUTH 13 DEGREES 36 MINUTES 51 SECONDS WEST 53.53 FEET; THENCE SOUTH 52 DEGREES 44 MINUTES 08 SECONDS WEST 81.51 FEET; THENCE NORTH 72 DEGREES 15 MINUTES 12 SECONDS WEST 206.46 FEET; THENCE ALONG THE ARC OF AN EXISTING CUL-DE-SAC BEARING TO THE LEFT AND HAVING A RADIUS 40 FEET A DISTANCE ALONG THE ARC OF 37.60 FEET; THENCE SOUTH 72 DEGREES 15 MINUTES 12 SECONDS EAST 211.16 FEET; THENCE NORTH 52 DEGREES 44 MINUTES 08 SECONDS EAST 55.23 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 42.57 FEET; THENCE NORTH 76 DEGREES 23 MINUTES 09 SECONDS WEST 35.00 FEET; THENCE NORTH 13 DEGREES 36 MINUTES 51 SECONDS EAST 30.00 FEET; THENCE SOUTH 76 DEGREES 23 MINUTES 09 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 12,648 SQUARE FEET, (0.29 ACRES), MORE OR LESS.

THE ABOVE DESCRIBED PARCELS ARE SUBJECT TO ALL LEGAL RIGHTS OF WAYS AND EASEMENTS OF RECORD.

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY PERSONAL SUPERVISION AND THAT THE MEASUREMENTS AND CALCULATIONS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Ralph M. Willen
RALPH M. WILLEN
PLS. NO. KY LS 2195

TITLE COMMITMENT
U.S. TITLE SOLUTIONS
File No. US75908 Reference No. KY0105
Prepared For: TowerCo IV Holdings LLC
Premises: Parcel: County: Marshall
off: Raceway Lane, Draffenville, KY 42025 34-00-00-069

DATE OF REPORT : August 25, 2023
SCOPE OF SEARCH : Beginning March 01, 1950 and extending through August 11, 2023, a search of the land records for the jurisdiction where the property is located was conducted and we have reported what was found regarding taxes; deeds; mortgages; easements and right of ways; covenants and restrictions; judgments; liens and UCCs; and other matters commonly recorded or filed in the County records.

THE ESTATE OR INTEREST IN THE LAND DESCRIBED OR REFERRED TO IN THIS REPORT IS: Fee Simple
TITLE TO SAID ESTATE OR INTEREST IN THE LAND DESCRIBED OR REFERRED TO IN THIS REPORT IS AT THE EFFECTIVE DATE HEREOF VESTED IN: Rhonda B. Powell
SOURCE OF TITLE : Deed made by Rhonda B. Powell, o/w/o Rhonda Ruth Powell, o/w/o Rhonda Ball Powell, singl, Dated October 12, 2009, Recorded November 13, 2009, in Book 394, Page 132. C/o Claim Deed made by T.K. Rasmussen, Inc. a Kentucky Corporation, Dated October 12, 2009, Recorded November 13, 2009, in Book 394, Page 124.
SCHEDULE B-SECTION II (NO SCHEDULE "B" ITEMS TO ADDRESS)

SURVEY CERTIFICATE:
I CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITNESSED BY MONUMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY ABILITY AND BELIEFS.
THIS SURVEY AND PLAT MEETS OR EXCEEDS THE MINIMUM STANDARDS OF THE GOVERNING AUTHORITIES.

SURVEYOR STATEMENT--MY COMMENTS ARE BASED SOLELY ON THE TITLE DOCUMENT THAT HAVE BEEN SUPPLIED TO ME BY THE TITLE COMPANY. SINCE THE TITLE DOCUMENTS ARE FURNISHED FOR THE PARENT TRACT, OUR TOPOGRAPHIC SURVEY IS OF A PORTION OF THAT TRACT. MY COMMENTS ARE RESTRICTED TO EXCLUSIONS THAT I CAN DETERMINE AFFECT ONLY OUR PORTION OF THE PARENT TRACT. NO BOUNDARY SURVEY WAS PERFORMED ON THE PARENT TRACT, THUS IT IS NOT POSSIBLE TO DETERMINE WITH CERTAINITY EXCLUSIONS REFERRING ON THE PARENT TRACT.
SCHEDULE "B" SECTION II EXCEPTIONS
TITLE DOES NOT INCLUDE ANY SCHEDULE "B" ITEMS.

Ralph M. Willen
PARENT PARCEL DESCRIPTION FURNISHED TO BENCHMARK SERVICES, INC
NO SURVEY WAS PERFORMED

PARENT PARCEL DESCRIPTION

PROPERTY 1

Situated in Marshall County, Kentucky, viz:

TRACT I:
A 25.36 acre tract of land located approximately one mile Southeast of Palma, Kentucky, on the east side of Highway 68 at the intersection of Highways 68 and 95 and more particularly described as follows:
Beginning at an iron pin set 30 feet East of the centerline of Highway 95 and 90 feet North of the intersection of the east right-of-way of Highway 95 with the east right-of-way of Highway 68, said pin is the southwest corner of Sanders Watkins property and the northwest corner of the herein described property; thence, with a curve to the left, with an arc of 186.57 feet and a radius of 246.68 feet with a long chord bearing South 7° 14' East for a distance of 182.16 feet to an iron pin set 30 feet East of the centerline of Highway 68; thence, with the east right-of-way of said highway, South 29° 6' East 395.34 feet to an iron fence post, said fence post being the northwest corner of Julian Henson's property as recorded in Deed Book 204, page 77; thence, with Henson's north line, North 68° 56' East 462.45 feet to an iron fence post, said post being Henson's northeast corner; thence, South 7° 22' East 57.70 feet to an iron pin set in Henson's east property line; thence with a new division line of the Powell property, South 84° 2' East 2186.80 feet to an iron pin in Watkins line; thence, with Watkins line North 5° 14' East 421.61 feet to an iron pin; thence, with Watkins line North 84° 2' West 2687.19 feet to the point of beginning.

TRACT II:

A 25.38 acre tract of land located approximately one mile Southeast of Palma, Kentucky, on the east side of Highway 68 near the intersection of Highways 68 and 95 and more particularly described as follows:
Beginning at an iron post set 30 feet East of the centerline of Highway 68 and 717 feet North of the northwest corner of Charles Mills property as recorded in Deed Book 172, page 173, said iron post being the southwest corner of Julian Henson's property as recorded in Deed Book 204, page 77; thence, with the east right-of-way of Highway 68 South 25° 46' East 358.45 feet to an iron pin; thence, with a new division line of the Powell property, South 87° 7' East 2136.50 feet to an iron pin in Sanders Watkins property line; thence, with Watkins line, North 5° 14' East 442.41 feet to an iron pin; thence, with a new line of division in the Powell's property, North 84° 2' West 2186.80 feet to an iron pin in the east line of Henson's property; thence, with Henson's east line, South 7° 22' East 207.30 feet to the southeast corner of Henson's property; thence, with the south line of Henson's property, South 80° 1' West 184.34 feet to the point of beginning.

LESS AND EXCEPT:

An off-conveyance of a 1.187 acre tract plus a 16' wide easement for ingress and egress to Jeffrey A. Holley and Paula M. Holley, dated January 31, 1997 of record in Deed Book 282, page 580, and Deed of Correction of record in Deed Book 347, page 97, Marshall County Court Clerk's Office.
LESS AND EXCEPT: An off-conveyance of a 21.40 acre tract from David Powell and Rhonda Powell to T. K. Raceway, Inc. dated March 22, 1994 of record in Deed Book 269, page 206, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 20, Powell Village Estates Subdivision, from David W. Powell and wife, Rhonda Ruth Powell, to Brien Keith Evans, dated May 30, 2000 of record in Deed Book 319, page 304, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 10, Powell Village Estates Subdivision, from David Powell and wife, Rhonda Powell, to Rhonda Powell, dated November 26, 2001 of record in Deed Book 330, page 139, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 19, Powell Village Estates Subdivision, from David Powell and wife, Rhonda Powell, to Trent Powell and Amanda Etheridge, dated April 16, 2003 of record in Deed Book 340, page 266, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of a 2 acre tract from David Powell and wife, Rhonda Powell, to Mike Coursey and wife, Rhonda Coursey, dated 7, 2004, acknowledged January 29, 2004, of record in Deed Book 347, page 66, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Lot 11, Powell Village Estates Subdivision, from David W. Powell and wife, Rhonda Ruth Powell, to Brian Keith Evans and wife, Christie Evans, dated August 30, 2004 of record in Deed Book 352, page 352, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of a 1.135 acre tract from David Powell and wife,

Rhonda Powell, to Kenneth Shone Vandeveld, dated January 28, 2005 of record in Deed Book 355, page 251, Marshall County Court Clerk's Office.

LESS AND EXCEPT: An off-conveyance of Tract No. 8 of Powell Village Estates Subdivision, Phase No. 2, to Rhonda B. Powell by virtue of a deed dated the 12th day of October, 2009, of record in Deed Book 394, page 129, Marshall County Court Clerk's Office.

TRACT III:

A 28.39 acre tract of land located approximately one mile southeast of Palma, Kentucky on the east side of Highway 69 approximately 100 feet north of Zion's Cause Baptist Church property and more particularly described as:

Beginning at an iron pin set 30 feet east of the centerline of Highway 68 and approximately 1410 feet south of the intersection of the east right-of-way of Highway 95 with the east right-of-way of Highway 68, said iron pin is the northwest corner of Charles Mills property as recorded in Deed Book 172, page 173, and the southwest corner of the property herein conveyed; thence, with Mills north line south 83 deg. 57 min. East 203.72 feet to an iron pin; thence, with Mills east line south 22 deg. 18 min. east 79.94 feet to an iron pin; thence, with Zion's Cause Baptist Church property line south 83 deg. 48 min. east 206.82 feet to an iron fence post; thence, with said Church east line south 5 deg. 57 min. west 206.82 feet to an iron pin; thence, with said Church east line south 84 deg. 9 min. east 1090.68 feet to an iron pin in Sanders Watkins line; thence, with Watkins line north 5 deg. 14 min. East 702.20 feet to an iron pin; thence, with a new line of division of the Powell property North 87 deg. 7 min. west 2136.50 feet to an iron pin in the east right-of-way of highway 68; thence, with the east side of said highway South 24 deg. 30 min. east 358.45 feet to the point of beginning.

The above description furnished by Carl L. Holt, Registered Land Surveyor Number 2132. LESS AND EXCEPT the following off-conveyances from Powell Village Estate Phase 1 of record in Slide 716, Marshall County Court Clerk's Office:

- Deed Book 276, page 83 (Lot 1);
- Deed Book 269, page 683 (Lot 2);
- Deed Book 273, page 228 (Lot 3);
- Deed Book 269, page 649 (Lot 4);
- Deed Book 282, page 39 (Lot 5);
- Deed Book 315, page 139 (Lot 6);

PROPERTY 2

Situated in Marshall County, KY, to wit:
A 21.40 acre (more or less) tract of land located approximately one mile Southeast of Palma, KY, and more particularly described as follows:

Beginning of an iron pin which lies in the southeast corner of the land described as Tract II in the 1986 deed to David Powell, et ux, of record in Deed Book 217, page 113, Marshall County Court Clerk's Office, and which lies in the northeast corner of the land described in the deed to David Powell, et ux, of record in Deed Book 260, page 651, Marshall County Court Clerk's Office (hereinafter referred to as "Church Estates"); thence, N. 5° 14' 00" E. a distance of 864.02 feet to an iron pin; thence, N. 84° 2' 00" W. a distance of 1,100 feet; thence, parallel to the first call to the south line of Church Estates property a distance of 831 feet, more or less; thence, along the south line of Church Estates property S. 87° 7' 00" E. a distance of 1,100 feet to our point of beginning.

EXCEPTING THEREFROM that portion conveyed to ZION'S CAUSE BAPTIST CHURCH, INC. by Deed dated July 27, 2012 and recorded on May 13, 2013 of record in Deed Book 420, Page 243, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to North Marshall Water District by Deed dated May 13, 2013 and recorded on May 13, 2013 of record in Deed Book 420, Page 243, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Rhonda B. Thompson (a/k/a Rhonda B. Powell Thompson), by Deed dated August 24, 2017 and recorded on August 24, 2017, of record in Deed Book 453, Page 671, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Rhonda B. Thompson (a/k/a Rhonda B. Powell Thompson), by Deed dated September 7, 2017 and recorded on September 8, 2017, of record in Deed Book 454, Page 206, in the Office aforesaid.

EXCEPTING THEREFROM that portion conveyed to Jess M. Martin and husband, Blake D. Martin by Deed dated May 13, 2021 and recorded on May 14, 2021 of record in Deed Book 406, Page 406, in the Office aforesaid.

TowerCo
TowerCo IV Holdings, LLC
6602-C CONSUMPTION DRIVE
SHELBYVILLE KY 40381
COPY NO. 27819
818-483-5700

MISSION 1
COMMUNICATIONS
6602-C CONSUMPTION DRIVE
SHELBYVILLE KY 40381
PHONE: 256-434-8922

BENCHMARK
SERVICES, INC.
Consulting Engineers
Land Surveyors
2120 WOODLAND DRIVE
BENTON KY 42025
PHONE: 256-338-3349
benchmarkservices.com

SITE NO.	781214
SITE VALUES	
SITE ADDRESS	RACEWAY LANE BENTON, KY 42025
LEASE AREA	10000 SQ. FT.

PROPERTY OWNER	RHONDA POWELL 280 RACEWAY LANE BENTON, KY 42025
COUNTY	MARSHALL COUNTY
PARCEL AFS	34-00-00-069

LATITUDE	36°56'48.25" N
LONGITUDE	88°21'33.06" W
DATE	11.16.23
BY	RAJAN
NO.	2195

STATE OF KENTUCKY
RALPH W. WALLEY
LICENSED PROFESSIONAL LAND SURVEYOR

TITLE	SURVEY PLAN
SHEET	3 OF 3


Draffenville North Notification Listing with PVA numbers

Parcel 34-00-00-069
POWELL RHONDA
260 RACEWAY LN
BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS
NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-00-00-069
ACCOUNT NUMBER 777100

LAND VALUE \$70,000
IMPROVEMENT FCV \$1,000
TOTAL FCV \$71,000

OWNERSHIP

100 FEE SIMPLE POWELL, RHONDA

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
AG EXEMPTION \$68,412 AG VALUE \$11,588
TOTAL TAXABLE \$12,588

MAIL NAME POWELL RHONDA
MAILING ADDRESS 260 RACEWAY LN
BENTON, KY 42025

DEED BOOK / PAGE 394/132 DATE RECORDED 11/13/2009
SALE PRICE \$0 SALE DATE 10/12/2009
TAX DISTRICT 008 ACREAGE 22.34

SUBDIVISION NONE
PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-069	FARM	\$70,000	\$1,000	\$71,000	\$12,588
TOTAL TAXABLE ON ACCOUNT					\$12,588
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES)					\$136.33


DEED HISTORY TAX BILL HISTORY

Parcel 34-00-00-069.01
THOMPSON RHONDA B
260 RACEWAY LN
BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS
NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-00-00-069.01
ACCOUNT NUMBER 111750

LAND VALUE \$10,000
IMPROVEMENT FCV \$0
TOTAL FCV \$10,000

OWNERSHIP

100 FEE SIMPLE THOMPSON, RHONDA B

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$10,000

MAIL NAME THOMPSON RHONDA B
MAILING ADDRESS 260 RACEWAY LN
BENTON, KY 42025

DEED BOOK / PAGE 394/132 DATE RECORDED 11/13/2009
SALE PRICE \$0 SALE DATE 10/12/2009
TAX DISTRICT 008 ACREAGE 3.38

SUBDIVISION NONE
PROPERTY CODE COMMERCIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-069.01	COMMERCIAL	\$10,000	\$0	\$10,000	\$10,000
TOTAL TAXABLE ON ACCOUNT					\$10,000
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES)					\$108.30

DEED HISTORY TAX BILL HISTORY

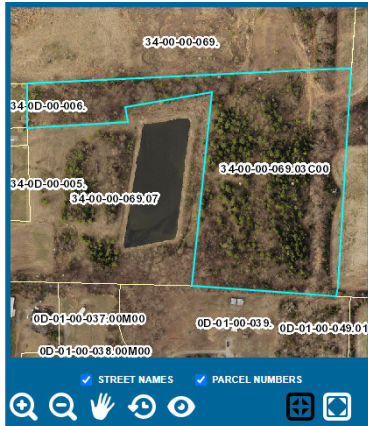
Parcel 34-00-00-069.03C00
 POWELL RHONDA
 260 RACEWAY LN
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD

TAX YEAR 2025
 MAP NUMBER 34-00-00-069.03C00
 ACCOUNT NUMBER 357510

OWNERSHIP
 100 FEE SIMPLE POWELL, RHONDA

MAIL NAME POWELL, RHONDA
 MAILING ADDRESS 260 RACEWAY LN
 BENTON, KY 42025

LAND VALUE \$30,000
 IMPROVEMENT FCV \$0
TOTAL FCV \$30,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$24,911 AG VALUE \$5,089
TOTAL TAXABLE \$5,089

DEED BOOK / PAGE 394/132 DATE RECORDED 11/13/2009
 SALE PRICE \$0 SALE DATE 10/12/2009
 TAX DISTRICT 008 ACREAGE 9.94

SUBDIVISION NONE
 PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 2

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-069.03C00	FARM	\$30,000	\$0	\$30,000	\$5,089
34-00-00-918	RESIDENTIAL	\$12,000	\$0	\$12,000	\$12,000
TOTAL TAXABLE ON ACCOUNT					\$17,089

ESTIMATED TAX DUE (BASED ON 2022 TAX RATES) \$185.07

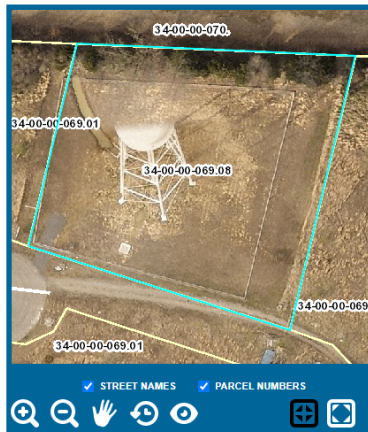
Parcel 34-00-00-069.08
 NORTH MARSHALL WATER DISTRICT
 96 CARROLL DR
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD

TAX YEAR 2025
 MAP NUMBER 34-00-00-069.08
 ACCOUNT NUMBER 914670

OWNERSHIP
 100 FEE SIMPLE NORTH MARSHALL WATER DISTRICT

MAIL NAME NORTH MARSHALL WATER DISTRICT
 MAILING ADDRESS 96 CARROLL DR
 BENTON, KY 42025

LAND VALUE \$17,000
 IMPROVEMENT FCV \$0
TOTAL FCV \$17,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$0

DEED BOOK / PAGE 420/245 DATE RECORDED 05/14/2013
 SALE PRICE \$15,900 SALE DATE 05/13/2013
 TAX DISTRICT 008 ACREAGE 1.03

SUBDIVISION NONE
 PROPERTY CODE NON-TAXABLE PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-069.08	NON-TAXABLE	\$17,000	\$0	\$17,000	\$0
TOTAL TAXABLE ON ACCOUNT					\$0

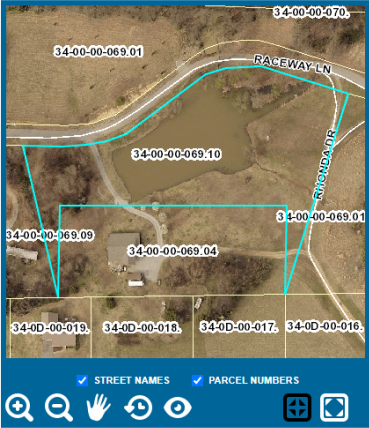
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES) \$0.00

Parcel 34-00-00-069.10
 THOMPSON RHONDA B
 260 RACEWAY LN
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS
 NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-00-00-069.10
 ACCOUNT NUMBER 997190

LAND VALUE \$6,000
 IMPROVEMENT FCV \$0
TOTAL FCV \$6,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$6,000

OWNERSHIP
 100 FEE SIMPLE THOMPSON, RHONDA B

MAIL NAME THOMPSON, RHONDA B
 MAILING ADDRESS 260 RACEWAY LN
 BENTON, KY 42025

DEED BOOK / PAGE 454/206 DATE RECORDED 09/11/2017
 SALE PRICE \$0 SALE DATE 09/07/2017
 TAX DISTRICT 008 ACREAGE 2.97

SUBDIVISION NONE
 PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 2

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-069.04	RESIDENTIAL	\$4,000	\$108,000	\$112,000	\$112,000
34-00-00-069.10	RESIDENTIAL	\$6,000	\$0	\$6,000	\$6,000
TOTAL TAXABLE ON ACCOUNT					\$118,000

ESTIMATED TAX DUE (BASED ON 2022 TAX RATES) \$1,277.94

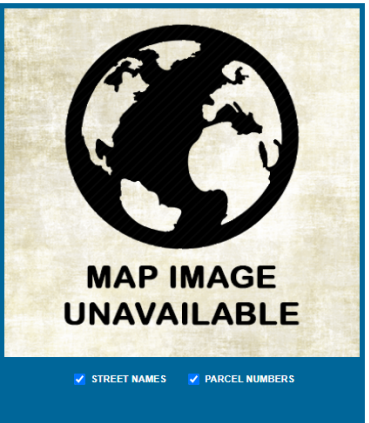
DEED HISTORY TAX BILL HISTORY

Parcel 34-00-00-069.11
 MARTIN JESS M AND BLAKE D
 260 RACEWAY LN
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS
 NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-00-00-069.11
 ACCOUNT NUMBER 1069320

LAND VALUE \$10,000
 IMPROVEMENT FCV \$0
TOTAL FCV \$10,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$10,000

OWNERSHIP
 100 JOINTLY WITH SURVIVORSHIP MARTIN, JESS M
 MARTIN, BLAKE D

MAIL NAME MARTIN JESS M AND BLAKE D
 MAILING ADDRESS 260 RACEWAY LN
 BENTON, KY 42025

DEED BOOK / PAGE 486/406 DATE RECORDED 05/18/2021
 SALE PRICE \$0 SALE DATE 05/13/2021
 TAX DISTRICT 008 ACREAGE 3.31

SUBDIVISION NONE
 PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-069.11	RESIDENTIAL	\$10,000	\$0	\$10,000	\$10,000
TOTAL TAXABLE ON ACCOUNT					\$10,000

ESTIMATED TAX DUE (BASED ON 2022 TAX RATES) \$108.30

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
486	406	05/13/2021	\$0	NOT STATED

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	EXONERATED
NONE AVAILABLE					<input type="checkbox"/>

DEED HISTORY TAX BILL HISTORY

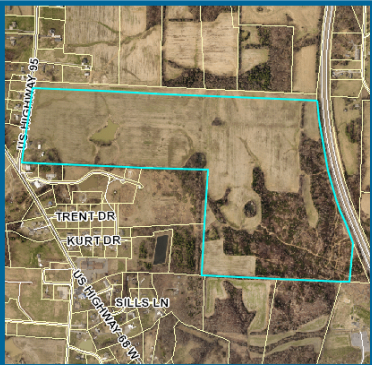
Parcel 34-00-00-070
 SANDERS AND ESTELLE WATKINS FARM INC
 C/O GREENFIELD DONNA
 297 MOORS CAMP HWY
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-00-00-070
 ACCOUNT NUMBER 952320

LAND VALUE \$565,000
 IMPROVEMENT FCV \$74,000
TOTAL FCV \$639,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$473,569 AG VALUE \$91,431
TOTAL TAXABLE \$165,431

OWNERSHIP
 100 FEE SIMPLE SANDERS AND ESTELLE WATKINS FARM INC

MAIL NAME SANDERS AND ESTELLE WATKINS FARM INC
 IN CARE OF C/O GREENFIELD DONNA
 MAILING ADDRESS 297 MOORS CAMP HWY
 BENTON, KY 42025
 LABEL LABEL

DEED BOOK / PAGE 435/776 DATE RECORDED 06/10/2015
 SALE PRICE \$0 SALE DATE 10/14/2014
 TAX DISTRICT 008 ACREAGE 188.17

SUBDIVISION NONE
 PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-00-00-070	FARM	\$565,000	\$74,000	\$639,000	\$165,431
TOTAL TAXABLE ON ACCOUNT					\$165,431
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES)					\$1,791.61


Parcel 34-0D-00-006
 HOWARD NATHAN D AND MIRIAM E
 ATTN TAX DEPARTMENT
 PO BOX 9225
 COPPELL, TX 75019

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-0D-00-006
 ACCOUNT NUMBER 1012670

LAND VALUE \$12,000
 IMPROVEMENT FCV \$126,000
TOTAL FCV \$138,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$138,000

OWNERSHIP
 100 JOINTLY WITH SURVIVORSHIP HOWARD, MIRIAM E
 HOWARD, NATHAN D

MAIL NAME HOWARD NATHAN D AND MIRIAM E
 IN CARE OF GLOMB COOPER
 DEPARTMENT LOCATOR ATTN TAX DEPARTMENT
 MAILING ADDRESS PO BOX 9225
 COPPELL, TX 75019

DEED BOOK / PAGE 462/424 DATE RECORDED 08/27/2018
 SALE PRICE \$95,400 SALE DATE 08/24/2018
 TAX DISTRICT 008 ACREAGE 0.66

SUBDIVISION POWELL VILLAGE ESTATES
 PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-0D-00-006	RESIDENTIAL	\$12,000	\$126,000	\$138,000	\$138,000
TOTAL TAXABLE ON ACCOUNT					\$138,000
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES)					\$1,494.54

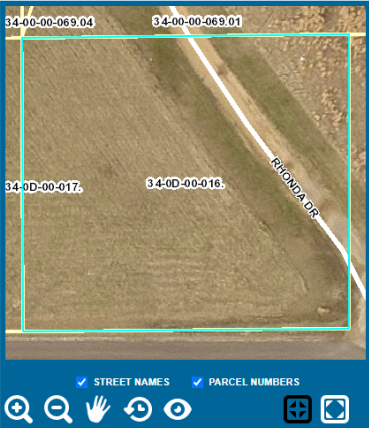
Parcel 34-0D-00-016
 BENNETT LISA D AND DIANA K BELLNAP
 6610 E UNIVERSITY DR UNIT 86
 MESA, AZ 85205

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-0D-00-016
 ACCOUNT NUMBER 1072590

LAND VALUE \$17,500
 IMPROVEMENT FCV \$0
TOTAL FCV \$17,500

OWNERSHIP

100 JOINTLY WITH SURVIVORSHIP BENNETT LISA D BELLNAP, DIANA K BELLNAP

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$17,500

MAIL NAME BENNETT LISA D AND DIANA K BELLNAP
 MAILING ADDRESS 6610 E UNIVERSITY DR UNIT 86
 MESA, AZ 85205

DEED BOOK / PAGE 458/665 DATE RECORDED 08/03/2021
 SALE PRICE \$35,000 SALE DATE 07/30/2021
 TAX DISTRICT 008 ACREAGE 0.67

SUBDIVISION POWELL VILLAGE ESTATES
 PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT 2

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-0D-00-016	RESIDENTIAL	\$17,500	\$0	\$17,500	\$17,500
34-0D-00-017	RESIDENTIAL	\$17,500	\$0	\$17,500	\$17,500
TOTAL TAXABLE ON ACCOUNT					\$35,000
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES)					\$379.08

DEED HISTORY TAX BILL HISTORY

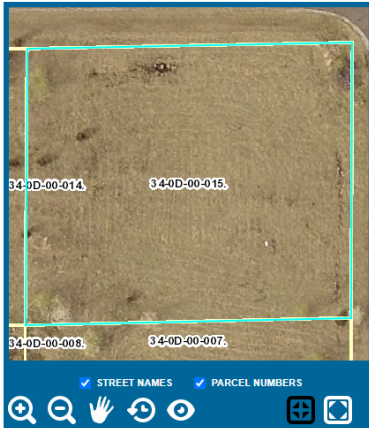
Parcel 34-0D-00-015
 STYERS ROBERT
 33 TRENT DR
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



TAX YEAR 2025

MAP NUMBER 34-0D-00-015
 ACCOUNT NUMBER 1060970

LAND VALUE \$20,000
 IMPROVEMENT FCV \$18,000
TOTAL FCV \$38,000

OWNERSHIP

100 FEE SIMPLE STYERS, ROBERT

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$38,000

MAIL NAME STYERS ROBERT
 MAILING ADDRESS 33 TRENT DR
 BENTON, KY 42025

DEED BOOK / PAGE 483/353 DATE RECORDED 01/25/2021
 SALE PRICE \$20,000 SALE DATE 01/22/2021
 TAX DISTRICT 006 ACREAGE 0.62

SUBDIVISION POWELL VILLAGE ESTATES
 PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-0D-00-015	RESIDENTIAL	\$20,000	\$18,000	\$38,000	\$38,000
TOTAL TAXABLE ON ACCOUNT					\$38,000
ESTIMATED TAX DUE (BASED ON 2022 TAX RATES)					\$411.54

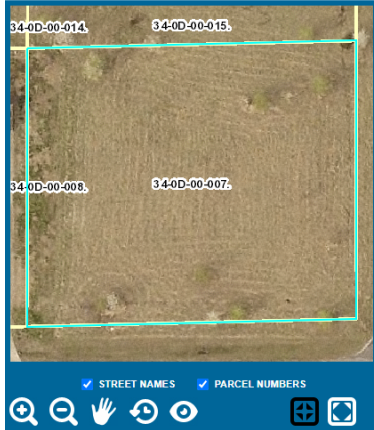
Parcel 34-0D-00-007
 KIM JOEL DAVID AND ASHLEY MARIE
 17 RHONDA DR
 BENTON, KY 42025

MARSHALL COUNTY OFFICE OF
PROPERTY VALUATION

WELCOME CLARK, QUINN, MOSES, SCOTT | ACCOUNT

HOME CALCULATOR FAQ EXEMPTIONS ASSESSMENTS APPEALS CALENDAR FORMS WEB PASS MEMBERS

NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD

TAX YEAR 2025
 MAP NUMBER 34-0D-00-007
 ACCOUNT NUMBER 996670

OWNERSHIP
 100 JOINTLY WITH SURVIVORSHIP KIM, ASHLEY MARIE
 KIM, JOEL DAVID

LAND VALUE \$12,000
 IMPROVEMENT FCV \$294,000
TOTAL FCV \$306,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE NONE
 AG EXEMPTION \$0 AG VALUE \$0
TOTAL TAXABLE \$306,000

MAIL NAME KIM JOEL DAVID AND ASHLEY MARIE
 MAILING ADDRESS 17 RHONDA DR
 BENTON, KY 42025

DEED BOOK / PAGE 505/292 DATE RECORDED 04/10/2023
SALE PRICE \$306,000 SALE DATE 04/07/2023
 TAX DISTRICT 008 ACREAGE 0.62

SUBDIVISION POWELL VILLAGE ESTATES
 PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
34-0D-00-007	RESIDENTIAL	\$12,000	\$294,000	\$306,000	\$306,000
TOTAL TAXABLE ON ACCOUNT					\$306,000

ESTIMATED TAX DUE (BASED ON 2022 TAX RATES) \$3,313.98



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

February 1, 2024

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Draffenville North**

Cellco Partnership, d/b/a Verizon Wireless and TowerCo 2013, LLC propose to construct a wireless communications facility on a site located at the end of Raceway Lane, Benton, KY 42025. (North Latitude: (36° 56' 48.25", West Longitude 88° 21' 33.06"). The proposed facility will include a 250-foot tall antenna tower, plus a 15-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

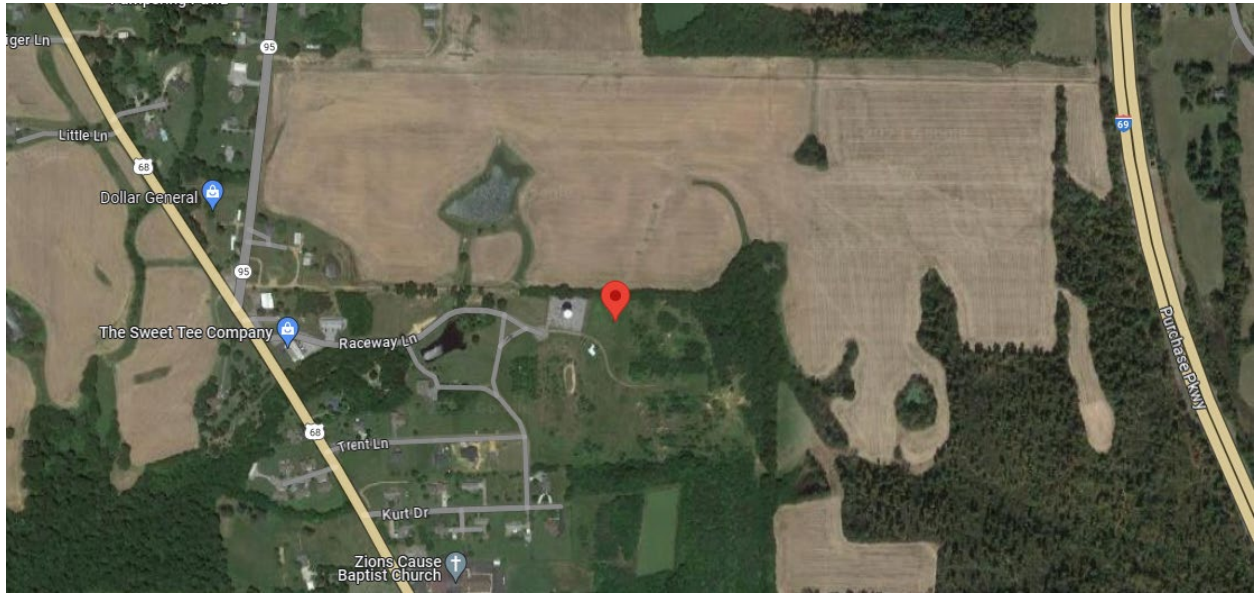
This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00020 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

Location Map



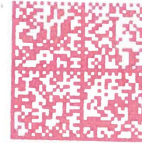
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1623 2619 43

POWELL RHONDA
260 RACEWAY LN
BENTON, KY 42025

FIRST-CLASS



US POSTAGE[™]PITNEY BOWES



ZIP 46204 \$ 008.69⁰
02 7H
0006035028 FEB 01 2024

CERTIFIED MAIL[®]

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



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THOMPSON RHONDA B
260 RACEWAY LN
BENTON, KY 42025

FIRST-CLASS



US POSTAGE[™]PITNEY BOWES



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Clark, Quinn, Moses, Scott & Grahn, LLP



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NORTH MARSHALL WATER DISTRICT
96 CARROLL DR
BENTON, KY 42025

FIRST-CLASS



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ZIP 46204 \$ 008.69⁰
02 7H
0006035028 FEB 01 2024

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Clark, Quinn, Moses, Scott & Grahn, LLP



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MARTIN JESS M AND BLAKE D
260 RACEWAY LN
BENTON, KY 42025

FIRST-CLASS



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ZIP 46204 \$ 008.69⁰
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9589 0710 5270 1623 2619 81

SANDERS AND ESTELLE WATKINS FARM INC
C/O GREENFIELD DONNA
297 MOORS CAMP HWY
BENTON, KY 42025

FIRST-CLASS



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0006035028 FEB 01 2024

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Clark, Quinn, Moses, Scott & Grahn, LLP



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HOWARD NATHAN D AND MIRIAM E
ATTN TAX DEPARTMENT
PO BOX 9225
COPPELL, TX 75019

FIRST-CLASS



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ZIP 46204 \$ 008.69⁰
02 7H
0006035028 FEB 01 2024

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



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BENNETT LISA D AND DIANA K BELLNAP
6610 E UNIVERSITY DR UNIT 86
MESA, AZ 85205

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US POSTAGE^{IMI}PITNEY BOWES



ZIP 46204 \$ 008.69⁰
02 7H
0006035028 FEB 01 2024

CERTIFIED MAIL[®]

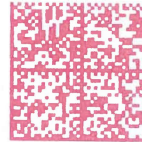
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1623 2620 18

STYERS ROBERT
33 TRENT DR
BENTON, KY 42025

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US POSTAGE^{IMI}PITNEY BOWES



ZIP 46204 \$ 008.69⁰
02 7H
0006035028 FEB 01 2024

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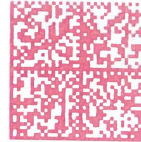
ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1623 2620 25

KIM JOEL DAVID AND ASHLEY MARIE
17 RHONDA DR
BENTON, KY 42025

FIRST-CLASS



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ZIP 46204 \$ 008.69⁰
02 7H
0006035028 FEB 01 2024

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:

POWELL RHONDA
 260 RACEWAY LN
 BENTON, KY 42025



9590 9402 8538 3186 2561 64

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2619 43

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

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

Rhonda Powell

3. Service Type

Adult Signature

Priority Mail Express®

Adult Signature Restricted Delivery

Registered Mail™

Certified Mail®

Registered Mail Restrict Delivery

Certified Mail Restricted Delivery

Signature Confirmation™

Collect on Delivery

Signature Confirmation Restricted Delivery

Collect on Delivery Restricted Delivery

Mail Restricted Delivery (00)

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NORTH MARSHALL WATER DISTRICT
 96 CARROLL DR
 BENTON, KY 42025



9590 9402 8538 3186 2561 40

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2619 67

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

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

Ginger Jones

3. Service Type

Adult Signature

Priority Mail Express®

Adult Signature Restricted Delivery

Registered Mail™

Certified Mail®

Registered Mail Restrict Delivery

Certified Mail Restricted Delivery

Signature Confirmation™

Collect on Delivery

Signature Confirmation Restricted Delivery

Collect on Delivery Restricted Delivery

Mail Restricted Delivery (00)

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BENNETT LISA D AND DIANA K BELLNAP
6610 E UNIVERSITY DR UNIT 86
MESA, AZ 85205



9590 9402 8538 3186 2561 02

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2620 01

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Diana Bellnap*

Agent

Addressee

B. Received by (Printed Name)

DIANA BELLNAP

C. Date of Delivery

02/06/24

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

3. Service Type

Adult Signature

Adult Signature Restricted Delivery

Certified Mail®

Certified Mail Restricted Delivery

Collect on Delivery

Collect on Delivery Restricted Delivery

Insured Mail

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:

THOMPSON RHONDA B
260 RACEWAY LN
BENTON, KY 42025



9590 9402 8538 3186 2561 57

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2619 50

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
[Signature]
 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
 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.
Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SANDERS AND ESTELLE WATKINS FARM INC
C/O GREENFIELD DONNA
297 MOORS CAMP HWY
BENTON, KY 42025



9590 9402 8538 3186 2561 26

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2619 81

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
[Signature]
 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

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:

KIM JOEL DAVID AND ASHLEY MARIE
17 RHONDA DR
BENTON, KY 42025



9590 9402 8538 3186 2560 89

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2620 25

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
[Signature]
 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

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:

MARTIN JESS M AND BLAKE D
260 RACEWAY LN
BENTON, KY 42025



9590 9402 8538 3186 2561 33

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2619 74

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

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

Tracking Number:

[Remove X](#)

9589071052701623261998

[Copy](#)

[Add to Informed Delivery \(https://informedelivery.usps.com/\)](https://informedelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 2:03 pm on February 10, 2024 in COPPELL, TX 75019.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

COPPELL, TX 75019

February 10, 2024, 2:03 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)

Tracking Number:

[Remove X](#)

9589071052701623262018

[Copy](#)

[Add to Informed Delivery \(https://informedelivery.usps.com/\)](https://informedelivery.usps.com/)

Latest Update

Your item was delivered to an individual at the address at 9:27 am on February 3, 2024 in BENTON, KY 42025.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

BENTON, KY 42025

February 3, 2024, 9:27 am

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates



USPS Tracking Plus®



Product Information



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

February 1, 2024

Via Certified Mail, Return Receipt Requested
9589 0710 5270 1623 2619 36

Hon. Kevin Spraggs
Marshall County Judge/Executive
1101 Main St #7
Benton, KY 42025

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2024-00020
Site Name: Draffenville North

Dear Judge Spraggs:

Cellco Partnership, d/b/a Verizon Wireless and TowerCo 2013, LLC propose to construct a wireless communications facility on a site located at the end of Raceway Lane, Benton, KY 42025. (North Latitude: (36° 56' 48.25", West Longitude 88° 21' 33.06"). The proposed facility will include a 250-foot tall antenna tower, plus a 15-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 2024-00020 in any correspondence sent in connection with this matter.

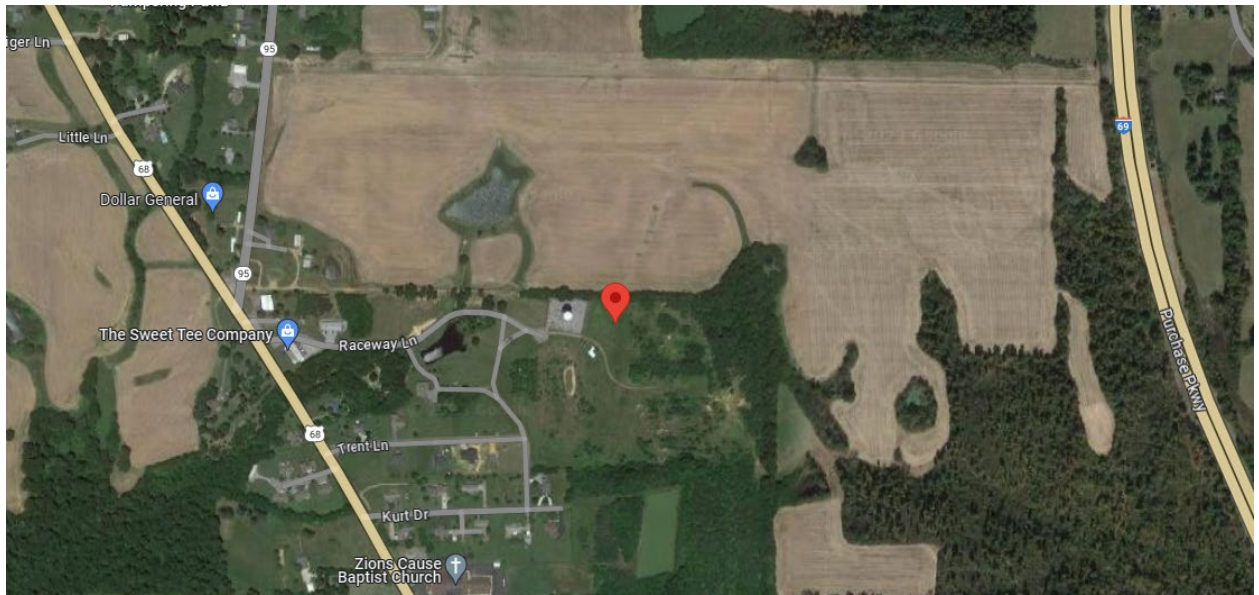
We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the 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

Location Map



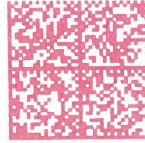
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Clark, Quinn, Moses, Scott & Grahn, LLP



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0006035028 FEB 01 2024

Hon. Kevin Spraggs
Marshall County Judge/Executive
1101 Main St #7
Benton, KY 42025

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hon. Kevin Spraggs
Marshall County Judge/Executive
1101 Main St #7
Benton, KY 42025



9590 9402 8538 3186 2560 72

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2619 36

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

[Handwritten Signature]

- Agent
- Addressee

B. Received by (Printed Name)

[Handwritten Name]

C. Date of Delivery

[Handwritten Date]

- 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 (00)

**SITE NAME: Draffenville North
NOTICE SIGNS**

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word "**tower**," which is at least four (4) inches in height.

Cellco Partnership, d/b/a Verizon Wireless and TowerCo propose to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00020 in your correspondence.

Cellco Partnership, d/b/a Verizon Wireless and TowerCo propose to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00020 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: ggilbert@tribunecourier.com

Land Use Consultant
Elizabeth Bentz Williams, AICP

Tribune Courier
86 Commerce Blvd.
Benton, KY 42025

*Also admitted in Montana
†Also admitted in Kentucky
**

Registered Civil Mediator

RE: Legal Notice Advertisement
Site Name: Draffenville North

To Whom It May Concern,

Please publish the following legal notice advertisement in the next available edition of the Tribune Courier Publication:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless and TowerCo propose to construct a wireless communications facility located at the end of Raceway Lane, Benton, KY 42025. (North Latitude: (36° 56' 48.25", West Longitude 88° 21' 33.06"). The proposed facility will include a 250-foot tall antenna tower, plus a 15-foot lightning arrestor and related ground facilities. You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00020 in any correspondence sent in connection with this matter.

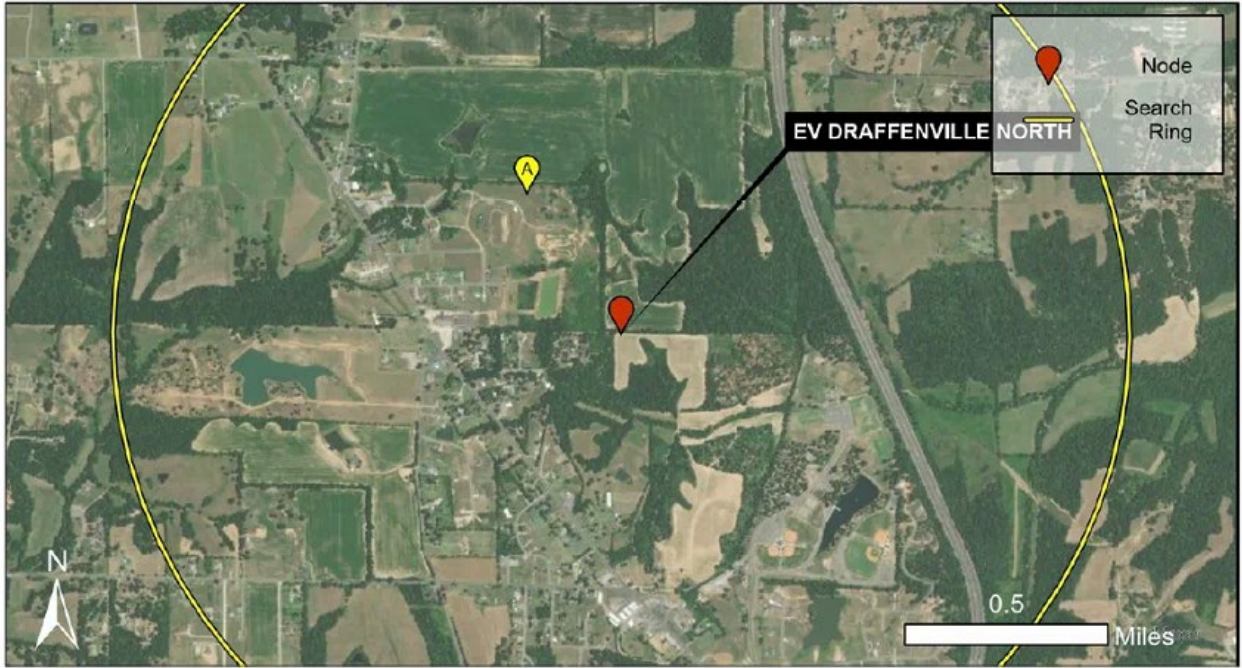
After this advertisement has been published, please forward a tearsheet copy, affidavit of publication, and invoice to Clark, Quinn, Moses, Scott & Grahn, LLC, 320 N. Meridian Street, Indianapolis, IN 46204 or by email to ebw@clarkquinnlaw.com. Please call me on my cell with any questions at 317-902-2187 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

Radio Frequency Design Search Area





January, 8th, 2024

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

Site Name: EV Draffenville North

Type of Tower: 250 ft. Self-Support

Location: Raceway Lane, Benton, KY 42025 Marshall 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, EV Draffenville North.

The EV Draffenville North site is proposed with the below objectives:

1. To improve cellular service for the residents and businesses in Marshall County near Northern Draffenville. This will improve coverage along US-68 & I-69.
2. To offload existing traffic of existing Verizon sites in this area.

Currently the area is experiencing poor service along US-68, I-69, and in the residential areas near Northern Draffenville. There is high demand for wireless high-speed data in these locations. This tower is needed to provide Verizon customers in the area with the best experience on their wireless devices.

Raw Land – Design plans for a new tower would provide an overall tower height of 250 feet with a Verizon Wireless Centerline of 245'. The new structure height was decided upon to best cover US-68, I-69, the residents in the area, and to offload traffic from the nearby existing Verizon sites. If we are limited to building a structure less than the proposed height, another tower would be needed in the vicinity in the near future. In addition, building a structure that is too short can cause existing taller sites to cover over the proposed site and building a site that is too tall can cause the proposed site to shoot over existing sites. Both situations create a poor experience from a user perspective. The new structure is proposed to be placed near the center of the problem area. The new tower design solves the stated objectives.

Verizon Wireless cares about the communities as well as the environment and prefers to collocate on existing structures when available. Verizon Wireless is currently collocated on many structures in the County. 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 the demand area to collocate the proposed site on.



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 a 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,



 Jared A. Sharp
 RF Engineer III
 Verizon Wireless

Subscribed and sworn to before me this 9 Day of January 2024.


 (Signature of Notary)

SEAL

Lauren Brooke Pollard
 (Printed Name of Notary)

LAUREN BROOKE POLLARD
 Notary Public - State at Large
 Kentucky
 My Commission Expires Nov. 09, 2026
 Notary ID KYNP61878



January, 8th, 2024

RE: Zoning Coverage Plots

Site Name: EV Draffenville North

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, outage, customer's equipment, terrain, proximity to buildings, foliage, and weather that may impact service.

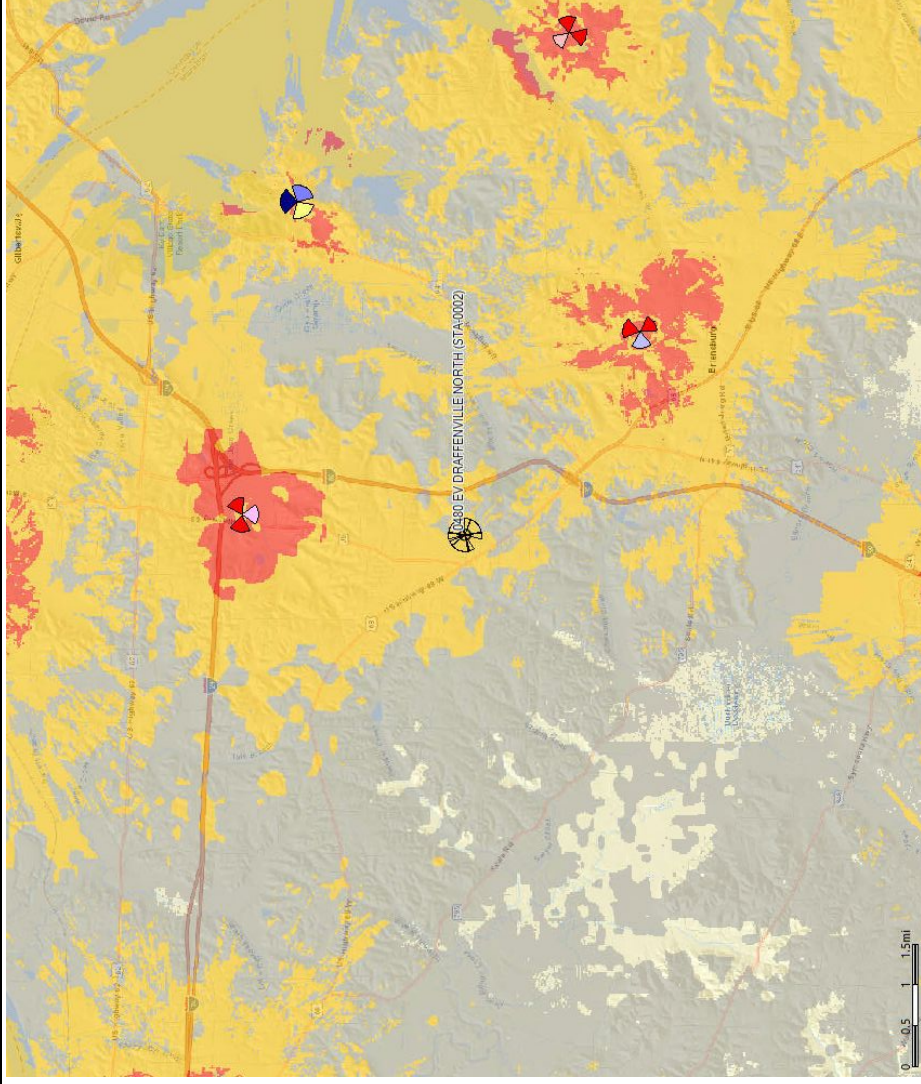
The proposed site is needed to offload capacity from existing sites and to improve coverage in the area. This map reflects the predicted coverage area that will be offloaded from existing sites and transferred to the proposed site and also depicts improved coverage in the area.

Sincerely,

A handwritten signature in black ink that reads "Jared Sharp". The signature is written in a cursive, flowing style.

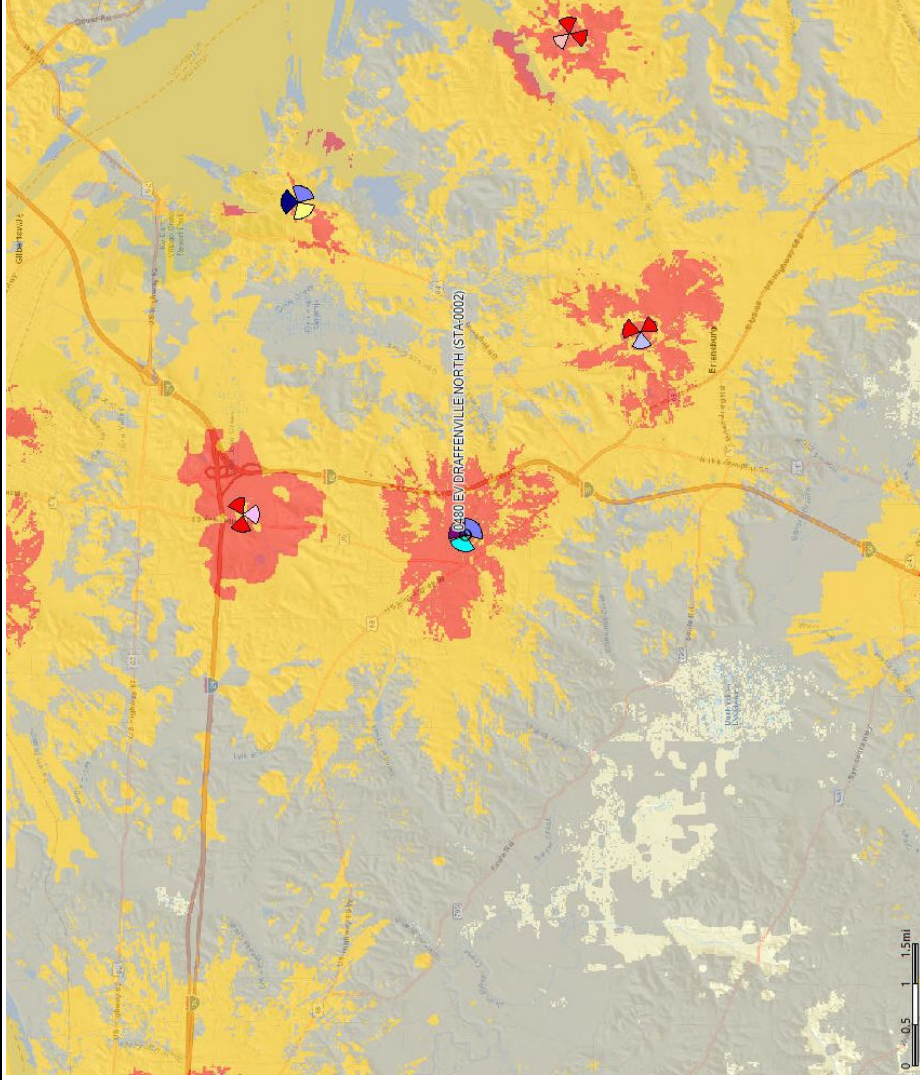
Jared A. Sharp
RF Engineer III
Verizon Wireless

Current Coverage - Without Proposed EV Draffenville North



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Coverage - With Proposed EV Draffenville North



Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.

Exhibit S
List and Identity and Qualifications of Professionals

Williams R. Heiden, III
Professional Engineer
Mission 1 Communications
6202-C Constitution Drive
Fort W#ayne, IN 46804

Ralph M. Wallem
Professional Land Surveyor
Kentucky License 2195
Benchmark Services, Inc.
318 North Main Street
Huntingburg, IN 47542

Robert E. Beacom
Professional Engineer
Kentucky License 28165
Sabre Industries
PO Box 658
Sioux City, IA 51102

F. Geoff Bost
Professional Engineer
Kentucky License 28817
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

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

Jared Sharp
RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

