

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

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
AND TVT II, LLC (TOWER VENTURES) FOR ISSUANCE) CASE NO. 2024-00065
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONSTRUCT A WIRELESS)
COMMUNICATIONS FACILITY IN THE)
COMMONWEALTH OF KENTUCKY IN THE COUNTY)
OF OHIO)

SITE NAME: DUNDEE

* * * * *

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

Cellco Partnership, d/b/a Verizon Wireless and TVT II, LLC (Tower Ventures) (“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. TVT II, LLC (Tower Ventures), having a local address of 495 Tennessee Street, Suite #152, Memphis, TN 38103

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. b. TVT II, LLC (Tower Ventures) is a Delaware limited liability company and a copies of the formulation document from Delaware and the Certificate of Authorization from the Secretary of State of the 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 on the west side of State Highway 69, just south of unincorporated Dundee, KY, 42238 (North Latitude: 37° 33' 21.13", West Longitude 86° 46' 26.17"), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Blaine and Farrah Luttrell pursuant to a Deed recorded in Deed Book 456, Page 197 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall tower, with an approximately 11-foot tall lightning arrestor attached at the top, for a total height of 266-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 Alt & Witzig Engineering, Inc., 6200 East Maxwell Avenue, Suite C, Evansville, IN 47715, dated March 1, 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 21183C0135E, Dated September 1, 2022.

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 Ohio County PVA on March 13, 2024. **Exhibit C** also identifies every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system.

20. Co-Applicants have sent certified notices 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 March 13, 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 March 14, 2024, are attached as **Exhibit K** and **Exhibit L**, respectively. Fourteen (14) notices were sent to surrounding property owners; to date thirteen (13) notice green cards have been returned. USPS tracking indicates that one (1) notice was had a “delivery attempt” on March 16, 2024 with notice left for recipient, and a 2nd notice (reminder) left for recipient to schedule redelivery on March 21, 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 Ohio County, Kentucky. The site located west side of State Highway 69, just south of unincorporated Dundee, KY, 42238. The area is buffered by trees to the south in an agricultural field. The area is largely undeveloped to the west and developed with a mix of uses (commercial, residential, religious) along KY-69. The terrain is rolling. There is no zoning or Plan Commission in this area of Ohio County. The nearest residential structure is 226 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.

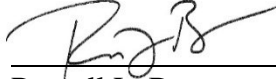
28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

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.




Jeffrey W. Bullock, Secretary of State

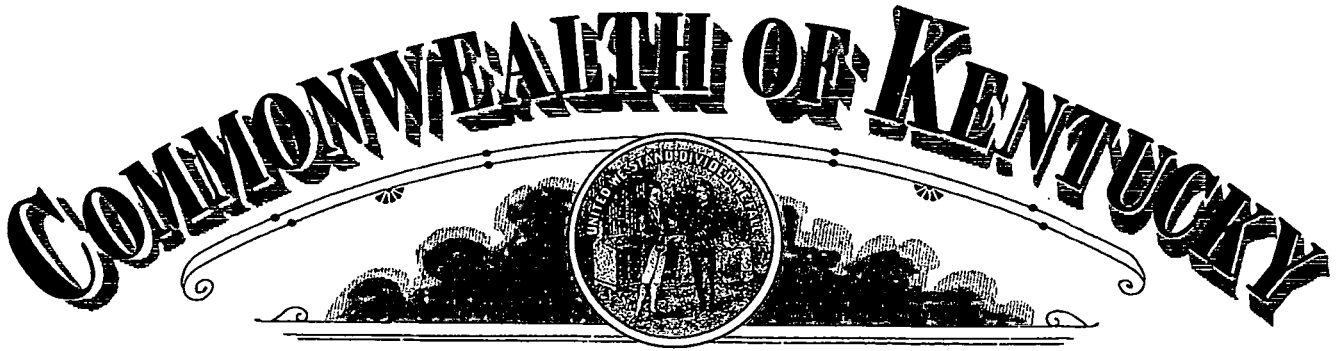
3341134 8300

SR# 20231665976

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

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

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

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

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



Michael G. Adams

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

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



0641227.07

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C226

Trey Grayson
Secretary of State
Received and Filed

06/21/2006 12:06:09 PM
Fee Receipt: \$20.00

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

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

a Domestic General Partnership

a Foreign General Partnership

a Domestic Registered Limited Liability Partnership

a Foreign Registered Limited Liability Partnership

a Domestic Limited Partnership

a Foreign Limited Partnership

a Domestic Business Trust

a Foreign Business Trust

a Domestic Corporation

a Foreign Corporation

a Domestic Limited Liability Company

a Foreign Limited Liability Company

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

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: 303585

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

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

TVT II, 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 December 2, 2021.

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 23rd day of January, 2024, in the 232nd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
303585/1179786



COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

1179786.06 dwilliams
ADD
Michael G. Adams
Kentucky Secretary of State
Received and Filed:
12/2/2021 2:34 PM
Fee Receipt: \$90.00

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

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

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

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

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

5. The date of organization is 10/1/2021 and the period of duration is Perpetual
(If left blank, duration is considered perpetual.)

6. The mailing address of the entity's principal office is
495 Tennessee Street, Suite 152 Memphis TN 38103-2549
 Street Address City State Zip Code

7. The street address of the entity's registered office in Kentucky is
306 W. Main Street, Suite 512 Frankfort KY 40601
 Street Address (No P.O. Box Numbers) City State Zip Code

and the name of the registered agent at that office is C T Corporation System

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

Name	Street or P.O. Box	City	State	Zip Code
William Orgel	495 Tennessee Street, Suite 152	Memphis	TN	38103-2549
Craig Weiss	495 Tennessee Street, Suite 152	Memphis	TN	38103-2549
Craig Royal	495 Tennessee Street, Suite 152	Memphis	TN	38103-2549

SEE ATTACHMENT

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

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

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

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

13. This application will be effective upon filing.

Tyler Kahle Tyler Kahle Authorized Person 11/23/2021
 Signature of Authorized Representative Printed Name & Title Date

I, C T Corporation System, consent to serve as the registered agent on behalf of the business entity.
 Type/Print Name of Registered Agent

By: Sandy Zwijack Assistant Secretary 12/01/2021
 Signature of Registered Agent Printed Name Title Date

**Attachment to Kentucky
Member / Manager Information**

- 1 **Full Name:** Jay Lindy
Member/Manager: Member
Business Address: 495 Tennessee Street, Suite 152
City: Memphis
State: TN
ZIP Code: 38103-2549
- 2 **Full Name:** Brown Brothers Harriman
Member/Manager: Member
Business Address: 495 Tennessee Street, Suite 152
City: Memphis
State: TN
ZIP Code: 38103-2549
- 3 **Full Name:** Michael McLaughlin
Member/Manager: Member
Business Address: 495 Tennessee Street, Suite 152
City: Memphis
State: TN
ZIP Code: 38103-2549
- 4 **Full Name:** Benjamin Orgel
Member/Manager: Member
Business Address: 495 Tennessee Street, Suite 152
City: Memphis
State: TN
ZIP Code: 38103-2549
- 5 **Full Name:** David Goldstein
Member/Manager: Member
Business Address: 495 Tennessee Street, Suite 152
City: Memphis
State: TN
ZIP Code: 38103-2549

Delaware

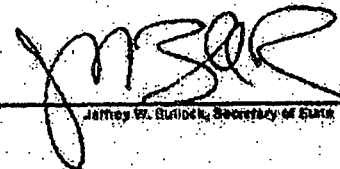
Page 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TVT II, 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 EIGHTEENTH DAY OF NOVEMBER, A.D. 2021.

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




Jeffrey W. Bullock, Secretary of State

6276257 8300

SR# 20213842404

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

Authentication: 204735662

Date: 11-18-21

Delaware

Page 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "TVT II, LLC", FILED IN THIS OFFICE ON THE FIRST DAY OF OCTOBER, A.D. 2021, AT 2:32 O`CLOCK P.M.




Jeffrey W. Bullock, Secretary of State

6276257 8100
SR# 20213404478

Authentication: 204325107
Date: 10-05-21

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

STATE OF DELAWARE
CERTIFICATE OF FORMATION
OF LIMITED LIABILITY COMPANY

The undersigned authorized person, desiring to form a limited liability company pursuant to the Limited Liability Company Act of the State of Delaware, hereby certifies as follows:

1. The name of the limited liability company is TVT II, LLC

2. The Registered Office of the limited liability company in the State of Delaware is located at 1209 Orange Street (street), in the City of Wilmington, Zip Code 19801. The name of the Registered Agent at such address upon whom process against this limited liability company may be served is The Corporation Trust Company

By:  _____
Authorized Person

Name: Jay H. Lindy
Print or Type

State of Delaware
Secretary of State
Division of Corporations
Delivered 02:32 PM 10/01/2021
FILED 02:32 PM 10/01/2021
SR 20213404478 - File Number 6276257

**FCC Form 854
Main Form**

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

Application for Antenna Structure Registration

Purpose of Filing

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

Antenna Structure Ownership Information

3) Select one of the entity types:			
() Individual	() Unincorporated Association	() Trust	() Government Entity
() Corporation	(X) Limited Liability Company	() General Partnership	() Limited Partnership
() Consortium	() Limited Liability Partnership	() Other: _____	
4) FCC Registration Number (FRN): 0031515158		5) Assignor FCC Registration Number (FRN):	
6) First Name (if individual):	MI:	Last Name:	Suffix:
7) Legal Entity Name (if not an individual): TVT II, LLC			
8) Attention To: Craig Royal		9) P.O. Box:	And/Or
10a) Street Address 1: 495 Tennessee Street, Suite # 152		10b) Street Address 2:	
11) City: Memphis	12) State: TN	13) Zip Code: 38103	
14) Telephone Number (xxx-xxx-xxxx): (901) 277-4083		15) Fax Number: (xxx-xxx-xxxx):	
16) E-mail Address: royal@towerventures.com			

Contact Representative Information

17) First Name (if individual): Craig	MI:	Last Name: Royal	Suffix:
18) Business Name: TVT II, LLC			
19) Attention To:	20) P.O. Box		And/Or
21a) Street Address 1: 495 Tennessee Street, Suite # 152		21b) Street Address 2:	
22) City: Memphis	23) State: TN	24) Zip Code: 38103	
25) Telephone Number (xxx-xxx-xxxx): (901) 277-4083		26) Fax Number: (xxx-xxx-xxxx):	
27) E-mail Address: royal@towerventures.com			

Antenna Structure Information

28a) Latitude (DD-MM-SS.S): 37- 33- 21.1		28b) North or South: North	
29a) Longitude (DDD-MM-SS.S): 086- 46- 26.2		29b) East or West: West	
30) Street Address or Geographic Location: 11473 State Route 69		31) City: Dundee	
32) County: OHIO	33) State: KENTUCKY	34) Zip Code: 42338	
35) Elevation of site above mean sea level (meters):			127.1 meters
36) Overall height above ground level (AGL) of the supporting structure without appurtenances:			77.7 meters
37) Overall height above ground level (AGL) of the antenna structure including all appurtenances:			81.1 meters
38) Overall height above mean sea level (add items 35 and 37 together):			208.2 meters
39a) Enter the type of structure on which the antenna will be mounted: (LTOWER)			
B – Building BANT – Building with Antenna on Top BMAST – Building with Mast BPIPE – Building with Pipe BPOLE – Building with Pole BRIDG – Bridge BTWR – Building with Tower GTOWER – Guyed Structure Used For Communication Purposes LTOWER – Lattice Tower MAST – Mast MTOWER – Monopole NNGTANN – Guyed Tower Array		NNLTANN – Lattice Tower Array NNMTANN – Monopole Array PIPE – Any type of Pipe POLE – Any type of Pole RIG – Oil or Other Type of Rig SIGN – Any type of Sign or Billboard SIL0 – Any type of Silo STACK – Smoke Stack TANK – Any type of Tank (water, gas, etc.) TREE – When used as a support for an antenna UPOLE – Utility Pole/Tower used to provide service (electric, telephone, etc.)	
39b) Number of Towers in Array:		39c) Position of this Tower in the Array:	
40a) Array Center Latitude (DD-MM-SS.S):		40b) North or South	
41a) Array Center Longitude (DDD-MM-SS.S):		41b) East or West:	

Proposed Marking and/or Lighting

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

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

FAA Notification

43) FAA Study Number:

44) Date Issued:

Environmental Compliance

45) Does the applicant request a waiver of the Commission's rules for environmental notice prior to construction due to an emergency situation?	(No) Yes or No
46a) If the answer to 45 is No, is another federal agency taking responsibility for environmental review of the Antenna Structure?	(No) Yes or No
46b) If the answer to 46a is Yes, indicate why: 1) The Antenna Structure is on Federal Land and the landholding agency is taking responsibility for the environmental review of the Antenna Structure. 2) Another federal agency has agreed with the FCC in writing to take responsibility for the environmental review of the Antenna Structure.	() 1 or 2
46c) If the answer to 46a is Yes, provide the name of the federal agency taking responsibility for the environmental review of the Antenna Structure.	Name:
47) If the answers to 45 and 46a are No, provide the National Notice Date for the application to be posted on the FCC's website (mm/dd/yyyy).	Date: 02/01/2024
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: Craig	MI:	Last Name: Royal	Suffix:
53) Title: Construction Manager			
54) Signature: Craig Royal			55) Date: Nov 28, 2023

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

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

REFERENCE COPY

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



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

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

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

City: RUSSELLVILLE **County:** LOGAN **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	153.310	72.160	9.790	0.510	0.420	0.540	11.230	75.590

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	0.870	21.280	113.650	147.250	38.070	3.570	0.330	0.410

Antenna: 3

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

Conditions:

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Bowling Green Main, 3.4 KM southwest of

City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.200	135.100	135.400	118.600	102.700	103.000	111.100	110.800
Transmitting ERP (watts)	186.450	83.280	10.010	0.510	0.420	0.490	10.730	87.210

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.300	74.100	74.500	57.600	41.800	42.100	50.200	49.900
Transmitting ERP (watts)	0.270	2.540	54.390	78.620	9.450	0.350	0.270	0.270

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.200	135.100	135.400	118.600	102.700	103.000	111.100	110.800
Transmitting ERP (watts)	1.020	0.240	0.310	2.130	24.000	70.020	56.310	11.460

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

Address: 9.7 KM SOUTH SOUTHEAST OF

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	0.330	0.690	16.910	90.270	116.960	30.240	2.840	0.260

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	2.100	0.260	0.330	1.050	21.320	101.470	108.950	23.430

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	90.270	14.390	1.070	0.260	0.340	2.530	33.930	116.960

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: WITHIN THE CITY LIMITS OF

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	104.850	46.830	5.630	0.290	0.240	0.280	6.030	49.040

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	0.560	13.820	74.230	95.620	25.740	2.460	0.240	0.270

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	0.930	0.240	0.280	2.040	27.580	95.620	74.230	12.320

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

Address: 2.4 KM NORTH OF

City: FRANKLIN County: SIMPSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	0.710	17.400	93.440	120.380	32.400	3.090	0.300	0.340

Antenna: 3

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Lake Malone, 1038 Heltsley Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	102.840	191.490	71.150	7.980	0.430	0.450	0.570	14.860

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	0.570	14.860	102.840	191.490	71.150	7.980	0.430	0.450

Antenna: 3

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

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

Address: 4.8 KM NORTHEAST OF

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: OLD LEWISPORT OWENSBORO RD, 7.6 KM WEST OF

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	7.600	61.740	131.990	58.960	7.090	0.360	0.300	0.350

Antenna: 2

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

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	93.440	15.510	1.180	0.300	0.350	2.570	34.720	120.380

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

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

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	50.380	128.750	66.660	8.640	0.500	0.260	0.330	5.430

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	0.300	0.480	13.100	80.300	122.700	38.140	3.840	0.260

Antenna: 3

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	92.370	12.750	0.300	0.450	0.200	0.420	3.510	48.480

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	3.700	26.630	74.790	73.070	22.660	3.610	0.490	0.490

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	2.080	0.820	0.770	7.520	42.060	84.790	55.750	12.610

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

Address: 1.6 km ESE of

City: BRANDENBURG County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.800	58.900	109.700	63.200	40.600	55.600	61.600	100.400
Transmitting ERP (watts)	0.480	12.480	87.870	162.090	56.190	6.380	0.330	0.360

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.800	58.900	109.700	63.200	40.600	55.600	61.600	100.400
Transmitting ERP (watts)	5.570	0.500	0.330	0.330	4.740	24.940	42.710	26.730

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

Address: 3.2 KM WEST SOUTHWEST OF

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	202.510	94.240	14.690	1.160	1.000	8.520	44.320	169.340

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 3.2 KM WEST SOUTHWEST OF

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	20.040	101.220	204.390	162.460	34.720	3.620	0.410	2.990

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	4.910	0.410	2.960	14.520	88.120	204.810	176.590	43.820

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

Address: 6.4 KM SOUTH OF

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

Antenna: 1

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

Antenna: 2

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

Antenna: 3

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

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

Address: 537 10th Street at Chestnut Street

City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	162.390	71.290	8.230	0.410	0.330	0.420	9.450	74.650

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 537 10th Street at Chestnut Street

City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	0.310	2.780	58.870	89.730	12.030	0.400	0.310	0.310

Antenna: 3

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

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

Address: 5.8 KM NW OF

City: ELKTON County: TODD State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	112.350	104.850	19.980	1.660	0.300	0.350	1.660	27.580

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	0.940	15.530	144.900	372.460	200.020	26.370	1.550	0.840

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	4.170	0.300	0.320	0.500	13.510	83.280	126.050	39.860

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

Address: 235 WEST KY 136

City: CALHOUN County: MCLEAN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	30.940	106.670	82.330	13.120	0.980	0.240	0.310	2.310

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 235 WEST KY 136

City: CALHOUN County: MCLEAN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	0.240	0.310	6.850	54.080	117.640	51.650	5.960	0.290

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	27.580	2.590	0.240	0.300	0.630	15.420	82.330	106.670

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

Address: 6 KM EAST OF

City: FORDSVILLE County: OHIO State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	0.780	18.970	101.290	131.240	33.930	3.180	0.300	0.370

Antenna: 3

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

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

Address: 1.2 km Northwest of

City: PAYNEVILLE County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	172.880	116.290	19.640	1.990	0.530	4.460	28.140	120.910

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 1.2 km Northwest of

City: PAYNEVILLE County: MEADE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	8.740	48.710	165.560	182.540	70.320	9.950	0.770	1.160

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	4.430	0.370	2.670	13.090	79.440	184.650	159.200	39.500

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

Address: 701 BASS LANE

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

Antenna: 1

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	0.510	13.220	93.080	171.700	62.700	6.760	0.350	0.380

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	2.800	0.350	0.450	1.400	28.440	135.320	145.300	31.240

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

Address: WATER TOWER ROAD

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: WATER TOWER ROAD

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	1.780	43.760	235.010	302.750	81.490	7.780	0.740	0.850

Antenna: 3

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

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

Address: WITHIN THE TOWN OF

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	148.100	65.400	7.600	0.390	0.300	0.430	8.720	70.070

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	1.830	30.180	122.250	111.260	20.840	1.700	0.300	0.380

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	2.360	0.300	0.370	1.180	23.930	113.860	122.250	26.290

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

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

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	42.710	147.250	113.650	18.120	1.350	0.330	0.430	3.180

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	0.330	0.420	9.450	74.650	162.390	71.290	8.230	0.410

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	38.070	3.570	0.330	0.410	0.870	21.280	113.650	147.250

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

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

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

Antenna: 1

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	1.420	34.650	184.990	239.690	61.970	5.820	0.540	0.670

Antenna: 3

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

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

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

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	65.800	54.700	38.200	54.400	60.300	51.100	56.100
Transmitting ERP (watts)	1.480	8.260	53.490	159.390	161.650	53.380	6.730	0.530

Antenna: 3

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

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

Address: 1.6 KM SSE

City: BEAVER DAM County: OHIO State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	3.020	33.930	100.130	64.650	9.650	0.650	0.240	0.270

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	0.240	0.250	0.310	8.140	56.310	104.850	38.950	4.370

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	100.130	31.660	3.320	0.240	0.260	0.400	10.730	66.150

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

Address: 470 Hayes Road

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 470 Hayes Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.600	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	0.970	16.520	117.640	131.230	43.210	2.250	0.300	0.270

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.600	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	0.570	0.190	0.210	1.560	29.210	92.910	81.390	12.800

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

Address: Downtown

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

Antenna: 1

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	7.500	41.790	142.020	156.580	60.320	8.540	0.660	0.990

Antenna: 3

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

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

Address: Irvington WT, 1.0 km ESE of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	47.930	165.220	127.520	20.330	1.520	0.370	0.480	3.570

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Irvington WT, 1.0 km ESE of

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	0.370	0.480	10.610	83.760	182.210	79.990	9.240	0.460

Antenna: 3

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

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

Address: 0.8 km North Northwest of

City: Licksillet County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	61.740	82.330	23.470	2.370	0.260	0.260	0.510	11.360

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	0.380	3.220	20.310	87.270	124.780	83.940	14.180	1.430

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	14.180	1.430	0.380	3.220	20.310	87.270	124.780	83.940

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

Address: Downtown

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Downtown

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

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

Address: 1.6 km West of

City: Brandenburg County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	9.710	60.570	96.350	32.270	3.500	0.300	0.300	0.420

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	0.300	0.380	8.420	66.540	144.730	63.540	7.340	0.360

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	28.390	3.310	0.300	0.380	0.830	17.510	70.860	87.550

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

Address: 115 Timber Ct.

City: Muldraugh County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	57.050	54.960	17.180	1.960	0.330	0.430	1.840	21.320

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 115 Timber Ct.

City: Muldraugh County: MEADE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	0.380	0.800	19.520	104.850	135.070	36.350	3.470	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	2.570	0.330	0.390	1.200	24.580	114.960	156.050	28.220

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

Address: Hardinsburg Water Tank, 3.0 km SE of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	182.210	79.990	9.240	0.460	0.370	0.480	10.610	83.760

Antenna: 2

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

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

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

Address: Franklin South, Turners Ford Road

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	8.520	69.270	148.100	66.150	7.950	0.410	0.330	0.390

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Franklin South, Turners Ford Road

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	0.620	0.330	0.370	6.170	57.620	148.100	79.530	10.480

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	126.050	28.220	2.570	0.330	0.390	1.200	24.580	114.960

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

Address: Russellville Southwest, 0.8 km SW of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

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

Address: Allen Northwest cell, 13.7 km Northwest of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	0.540	4.010	53.770	185.380	143.070	22.810	1.700	0.420

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Allen Northwest cell, 13.7 km Northwest of

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	0.400	0.290	0.290	0.290	5.380	93.450	104.850	10.250

Antenna: 3

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

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

Address: 1140 Three Springs Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	41.740	24.340	4.420	0.400	0.330	0.330	3.510	21.690

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	0.870	21.280	113.650	147.250	38.070	3.570	0.330	0.410

Antenna: 3

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

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

Address: Warren South, 3184 Woodburn-Allen Springs Road

City: Woodburn County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	157.120	103.520	17.130	1.570	0.350	3.440	23.000	104.220

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Warren South, 3184 Woodburn-Allen Springs Road

City: Woodburn County: WARREN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	6.890	41.510	144.360	164.760	61.880	8.540	0.570	0.780

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	0.610	0.310	0.310	0.310	2.120	58.290	121.780	19.300

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

Address: Warren Northwest cell, Old Morgantown Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	0.560	0.300	0.370	6.090	56.530	144.460	74.790	9.690

Antenna: 3

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

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

Address: Muhlenberg South, 21 Myers Chapel Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Muhlenberg South, 21 Myers Chapel Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

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

Address: Bowling Green Corvette site, 1188 Red Pond Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.300	48.300	47.300	66.500	54.700	68.100	79.200	59.700
Transmitting ERP (watts)	149.820	65.780	7.600	0.370	0.310	0.390	8.720	68.880

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.300	48.300	47.300	66.500	54.700	68.100	79.200	59.700
Transmitting ERP (watts)	0.850	18.620	85.580	108.340	31.760	3.380	0.310	0.410

Antenna: 3

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

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

Address: Breckinridge West, 1.6 km ENE of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	63.170	117.640	43.710	4.900	0.260	0.280	0.350	9.130

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Breckinridge West, 1.6 km ENE of

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	0.310	2.290	30.940	107.290	83.280	13.820	1.050	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	4.400	0.370	0.370	0.530	12.230	76.250	121.300	40.630

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

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

City: FORT KNOX County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	79.530	54.370	13.580	1.630	0.410	3.580	18.240	54.730

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	5.460	32.920	114.480	130.660	49.070	6.770	0.450	0.620

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	2.950	0.270	1.500	8.200	53.810	130.660	112.910	27.380

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

Address: Meade South, 1.4 km southeast of

City: Guston County: MEADE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	4.970	37.720	85.280	49.710	8.130	0.540	0.260	0.330

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262184

Print Date:

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

Address: Meade South, 1.4 km southeast of

City: Guston County: MEADE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	1.870	0.260	0.280	0.860	17.310	81.910	91.780	21.270

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	67.960	31.280	4.680	0.260	0.300	0.380	7.690	41.430

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

Address: Warren-Logan cell, 11372 Russellville Road

City: Rockfield County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	19.380	98.240	108.110	44.550	2.720	0.270	0.230	1.010

Antenna: 2

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

Antenna: 3

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

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

Address: Ohio West, 3893 State Route 505 South

City: Horse Branch County: OHIO State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	117.640	63.170	8.330	0.490	0.260	0.300	4.900	45.770

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Ohio West, 3893 State Route 505 South

City: Horse Branch County: OHIO State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	1.260	33.960	209.410	316.960	100.230	10.500	0.740	0.810

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	1.480	0.260	0.310	1.480	24.580	100.120	93.440	17.800

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

Address: 3090 Fitzgerald Industrial Drive

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	61.180	69.730	7.330	0.310	0.310	0.310	0.310	3.930

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	0.310	2.460	45.980	65.510	8.220	0.390	0.310	0.310

Antenna: 3

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

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

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

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	151.070	101.210	20.030	2.250	0.630	5.060	28.690	105.230

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	9.170	55.270	192.200	219.360	82.390	11.370	0.760	1.030

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	4.520	0.380	2.720	13.340	81.000	188.260	162.320	40.280

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

Address: Richardsville, 604 Scroggins Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.300	97.200	74.500	103.300	110.500	127.000	127.000	111.000
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.300	97.200	74.500	103.300	110.500	100.500	127.000	111.000
Transmitting ERP (watts)	0.780	18.970	101.290	131.240	33.930	3.180	0.300	0.370

Antenna: 3

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

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

Address: Beda, 729 Sherwood Drive

City: Hartford County: OHIO State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Beda, 729 Sherwood Drive

City: Hartford County: OHIO State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300

Antenna: 3

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

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

Address: Braton Road

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

Antenna: 1

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

Antenna: 2

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

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	103.640	9.240	0.340	0.270	0.270	0.270	5.700	92.370

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

Address: 550 SCHNEIDER TANNER ROAD

City: LIVERMORE County: MCLEAN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	73.900	149.230	118.620	25.350	2.650	0.300	2.180	14.630

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 550 SCHNEIDER TANNER ROAD

City: LIVERMORE County: MCLEAN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	0.570	5.060	27.400	111.190	144.570	81.050	13.200	1.160

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	47.570	6.000	0.480	1.320	7.360	47.670	142.060	144.070

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

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

City: Mammoth Cave County: EDMONSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	117.640	54.390	6.620	0.360	0.300	0.330	6.460	54.390

Antenna: 2

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

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	1.110	0.300	0.320	2.200	30.710	107.710	83.920	14.420

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

Address: Allen South, 371 Andrew Jackson Highway

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	117.640	63.170	8.330	0.490	0.260	0.300	4.900	45.770

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Allen South, 371 Andrew Jackson Highway

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	0.490	8.150	38.780	44.150	11.680	1.200	0.260	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	4.900	0.260	0.280	0.350	9.130	63.170	117.640	43.710

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

Address: Alonzo, 4651 Perrytown Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	111.060	68.480	3.430	0.250	0.370	0.250	1.220	16.430

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	1.480	24.580	100.120	93.440	17.800	1.480	0.260	0.310

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	10.730	0.730	0.260	0.300	3.390	38.070	112.340	72.530

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

Address: Allen North, 173 Ray Vernon Lane

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	12.040	74.220	112.340	35.530	3.720	0.260	0.290	0.450

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Allen North, 173 Ray Vernon Lane

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	0.260	0.310	1.480	24.580	100.120	93.440	17.800	1.480

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	63.170	8.330	0.490	0.260	0.300	4.900	45.770	117.640

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

Address: Edmonson South, 466 Rhea Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
Transmitting ERP (watts)	0.690	16.910	90.270	116.960	30.240	2.840	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
Transmitting ERP (watts)	1.070	0.260	0.340	2.530	33.930	116.960	90.270	14.390

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

Address: Near entrance to Mammoth Cave Park

City: Mammoth Cave County: EDMONSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	170.670	78.910	9.600	0.520	0.430	0.480	9.380	78.910

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Near entrance to Mammoth Cave Park

City: Mammoth Cave County: EDMONSON State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	0.920	21.900	118.970	156.260	43.540	4.210	0.430	0.450

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	1.600	0.430	0.470	3.190	44.550	156.260	121.750	20.910

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

Address: Bremen, 12849 Kentucky Highway

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260	0.340	3.750	40.860

Antenna: 2

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

Antenna: 3

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

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

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

City: UNION STAR County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	100.130	64.650	9.560	0.650	0.240	0.270	3.020	33.930

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

City: UNION STAR County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	0.310	8.140	56.310	104.850	38.950	4.370	0.240	0.250

Antenna: 3

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

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

Address: 2408 Hanging Rock Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	97.150	35.730	4.550	0.310	0.380	0.580	13.630	68.070

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

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

Address: 4799 Russellville Road

City: Allensville County: TODD State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	19.520	91.310	100.120	22.420	2.040	0.260	0.310	0.960

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009262184

Print Date:

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

Address: 4799 Russellville Road

City: Allensville County: TODD State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	0.260	0.290	0.450	12.040	74.220	112.340	35.530	3.720

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	72.530	10.730	0.730	0.260	0.300	3.390	38.070	112.340

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

Address: 109 Peach Road North

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	363.980	159.800	18.450	0.910	0.740	0.950	21.190	167.330

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	1.950	47.700	254.680	329.990	85.310	8.010	0.740	0.920

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	3.030	0.740	0.970	7.140	95.740	330.050	254.730	40.610

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

Address: Hancock South, 4586 Midway Lane

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Hancock South, 4586 Midway Lane

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	3.060	20.470	92.740	139.820	92.120	15.240	1.400	0.310

Antenna: 3

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

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

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

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	65.140	85.560	23.840	2.300	0.240	0.240	0.510	11.990

Antenna: 2

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

Antenna: 3

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

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

Address: 3690 FALLS OF ROUGH ROAD

City: SHORT CREEK County: GRAYSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	30.940	107.290	83.280	13.820	1.050	0.260	0.310	2.290

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 3690 FALLS OF ROUGH ROAD

City: SHORT CREEK County: GRAYSON State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	0.260	0.310	6.770	55.020	117.640	52.550	6.320	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	28.880	2.760	0.260	0.300	0.630	15.510	83.280	107.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
68	37-19-34.6 N	086-57-44.7 W	167.0	83.8	1217201

Address: Western KY Parkway, 256 Pond Run Church Road

City: Beaver Dam County: OHIO State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530

Antenna: 2

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

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	88.210	8.620	0.340	0.240	0.240	0.240	4.520	78.620

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

Address: Welcome, 224 Cook Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Welcome, 224 Cook Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

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

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

Address: 1317 US HWY 431

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	102.460	44.990	5.190	0.260	0.210	0.270	5.960	47.110

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	0.550	13.430	71.710	92.910	24.020	2.250	0.210	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	0.850	0.210	0.270	2.010	26.950	92.910	71.710	11.430

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

Address: Lewinsburg Downtown, Spa Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	100.120	93.440	17.800	1.480	0.260	0.310	1.480	24.580

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Lewinsburg Downtown, Spa Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	0.300	4.900	45.770	117.640	63.170	8.330	0.490	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	2.040	0.260	0.310	0.960	19.520	91.310	100.120	22.420

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
72	37-02-45.0 N	086-21-53.0 W	167.6	102.7	1046177

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

City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

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

Antenna: 3

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

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

Address: Elkton Downtown, Water Tank within the Town of

City: Elkton County: TODD State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	0.330	0.390	2.890	38.950	135.070	104.850	17.400	1.320

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

Antenna: 3

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

Antenna: 4

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	69.360	324.400	355.700	79.630	7.260	0.940	1.100	3.400

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

Address: Middleton, 2514 Neely Road
City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	108.950	99.160	18.570	1.520	0.260	0.340	1.630	26.900

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	0.340	7.510	59.300	128.990	56.630	6.540	0.320	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	6.540	0.320	0.260	0.340	7.510	59.300	128.990	56.630

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

Address: Simpson I-65, 680 Phillips Lane
City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	113.860	122.250	26.290	2.360	0.300	0.370	1.180	23.930

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Simpson I-65, 680 Phillips Lane

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320

Antenna: 3

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

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

Address: Allen Southeast, 7.0 km southeast of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	156.880	103.360	17.100	1.570	0.350	3.430	22.970	104.060

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	6.870	41.440	144.130	164.500	61.780	8.520	0.570	0.770

Antenna: 3

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

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

Address: Kingswood, 1065 Stinnett-Taul Lane

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	6.770	55.020	117.640	52.550	6.320	0.320	0.260	0.310

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Kingswood, 1065 Stinnett-Taul Lane

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	0.260	0.300	3.390	38.070	112.340	72.530	10.730	0.730

Antenna: 3

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

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

Address: Claypool, 2818 Alvaton-Greenhill Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.200	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	18.240	82.650	124.610	82.100	13.580	1.250	0.280	2.730

Antenna: 2

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

Antenna: 3

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

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

Address: 1.0 km SSW of

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: 1.0 km SSW of

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	0.310	0.310	3.510	82.330	124.620	15.330	0.570	0.310

Antenna: 3

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

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

Address: 245 Dejarnette Lane

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	128.360	93.210	17.180	1.520	0.270	1.720	14.250	71.470

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	4.860	26.750	105.570	130.690	59.850	9.030	0.640	0.460

Antenna: 3

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

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

Address: Leitchfield WT, 1.5 km East of

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	127.520	78.630	5.190	0.310	0.310	0.310	0.310	13.660

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Leitchfield WT, 1.5 km East of

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	0.310	0.790	40.320	146.410	38.510	1.570	0.310	0.310

Antenna: 3

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

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

Address: 354 New Cut Road North

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

Antenna: 1

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
Transmitting ERP (watts)	0.310	0.960	19.520	91.310	100.120	22.420	2.040	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
Transmitting ERP (watts)	10.730	0.730	0.260	0.300	3.390	38.070	112.340	72.530

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

Address: Logan South, 75 Hall Store Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Logan South, 75 Hall Store Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	0.340	2.530	33.930	116.960	90.270	14.390	1.070	0.260

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

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

Address: Bowling Green Cemetery Road, 3700 Cumberland Trace Cell

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	129.890	61.320	3.430	0.310	0.310	0.310	0.450	18.690

Antenna: 2

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

Antenna: 3

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

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

Address: Plano Water Tank, 9.0 SSE of

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Plano Water Tank, 9.0 SSE of

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	0.240	0.240	0.240	5.320	66.920	53.150	4.220	0.240

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	28.550	1.400	0.240	0.240	0.240	0.370	16.810	84.240

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

Address: Richpond, 608 Skeek Road

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

Antenna: 1

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	1.480	24.580	100.120	93.440	17.800	1.480	0.260	0.310

Antenna: 3

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

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

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

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	1.890	59.640	119.000	18.430	0.750	0.270	0.270	0.270

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

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

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	0.270	0.270	0.270	8.050	101.290	84.250	6.540	0.310

Antenna: 3

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

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

Address: Rockcastle, 1365 Echo Valley Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260	0.340	3.750	40.860

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	0.380	9.920	69.800	128.750	47.020	5.070	0.260	0.280

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	2.100	0.260	0.330	1.050	21.320	101.470	108.950	23.430

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

Address: Millwood, 1006 Pleasant View Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	39.870	122.420	126.750	40.620	4.930	0.330	0.900	5.470

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Millwood, 1006 Pleasant View Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	0.890	0.350	3.940	22.290	94.500	128.360	70.660	11.140

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	103.880	21.640	2.140	0.270	1.490	11.530	61.810	130.990

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

Address: Natcher Parkway, 1 C. Beck Rd.

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	7.510	59.300	128.990	56.630	6.540	0.320	0.260	0.340

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	0.260	0.340	3.750	40.860	122.700	78.480	11.150	0.740

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	122.700	38.140	3.840	0.260	0.300	0.480	13.100	30.300

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

Address: South Hill, 231 Freeman Staples Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	71.470	128.360	93.210	17.180	1.520	0.270	1.720	14.250

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: South Hill, 231 Freeman Staples Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	0.620	5.460	32.920	114.480	130.660	49.070	6.770	0.450

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	21.640	2.140	0.270	1.490	11.530	61.810	130.990	103.880

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

Address: Chandler, 8773 Morgantown Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.500	88.200	98.600	86.200	75.500	96.400	126.200	114.800
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260	0.340	3.750	40.860

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.500	88.200	98.600	86.200	75.500	96.400	126.200	114.800
Transmitting ERP (watts)	0.480	13.100	80.300	122.700	38.140	3.840	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.500	88.200	98.600	86.200	75.500	96.400	126.200	114.800
Transmitting ERP (watts)	0.500	0.260	0.330	5.430	50.380	128.750	66.660	8.640

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

Address: Davis Crossroads, 63 Fire Station Lane

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

Antenna: 1

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Davis Crossroads, 63 Fire Station Lane

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

Antenna: 2

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

Antenna: 3

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

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

Address: Daysville, 1270 Daysville Road

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

Antenna: 1

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
Transmitting ERP (watts)	0.490	0.260	0.300	4.900	45.770	117.640	63.170	8.330

Antenna: 3

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

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

Address: Holland, 359 Lafayette Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	12.260	67.850	91.320	22.470	1.930	0.240	0.240	1.460

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Holland, 359 Lafayette Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	0.230	1.100	4.900	40.250	110.140	103.720	29.080	3.250

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	93.210	17.180	1.520	0.270	1.720	14.250	71.470	128.360

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
96	36-59-23.5 N	086-28-21.6 W	146.6	76.2	1277050

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

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	111.310	29.890	1.180	0.240	0.240	0.240	0.710	29.750

Antenna: 2

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

Antenna: 3

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

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

Address: Johnson Crossroads, 2601 St. Augustine Road

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	157.100	105.670	17.850	1.800	0.480	4.050	25.570	109.870

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN867

File Number: 0009262184

Print Date:

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

Address: Johnson Crossroads, 2601 St. Augustine Road

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

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	7.940	44.270	150.440	165.870	63.900	9.040	0.700	1.050

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	4.030	0.340	2.430	11.890	72.190	167.790	144.670	35.900

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
98	37-54-31.9 N	085-59-25.9 W	236.2	35.0	

Address: Fort Knox IV, 5800 Block of Adams Street

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

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	36.310	138.730	165.910	77.210	12.030	0.950	0.820	6.980

Antenna: 2

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

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	117.350	21.640	1.920	0.340	2.170	17.950	89.980	161.610

Control Points:

Control Pt. No. 1

Address: 216 W LINCOLN TRAIL

City: RADCLIFF County: State: KY Telephone Number:

Waivers/Conditions:

NONE

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WPZV471), File Number (0010160221), 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.

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: WPZV471

File Number: 0010160221

Print Date: 02-15-2023

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPZV473

File Number: 0010160221

Print Date: 02-15-2023

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WQGA957), File Number (0009775566), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA957

File Number: 0009775566

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WRAM747	File Number
Radio Service WT - 600 MHz Band	

FCC Registration Number (FRN): 0003290673

Grant Date 01-09-2018	Effective Date 01-13-2021	Expiration Date 01-09-2030	Print Date
Market Number PEA204	Channel Block G	Sub-Market Designator 0	
Market Name Owensboro, KY			
1st Build-out Date 01-09-2024	2nd Build-out Date 01-09-2030	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: WRAM747

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

Call Sign WREF227	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 C21183	Channel Block L2	Sub-Market Designator 0	
Market Name OHIO, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREF227

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WREV450), File Number (0009262184), and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV450

File Number: 0009262184

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WREV452), File Number (0009262184), and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV452

File Number: 0009262184

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WREV454), File Number (0009262184), and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV454

File Number: 0009262184

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRHG508), File Number (0010283156), and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRHG508

File Number: 0010283156

Print Date: 03-15-2023

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRNG662), File Number, and Radio Service (PM - 3.7 GHz Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRNG662

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 (WRNG667), File Number, and Radio Service (PM - 3.7 GHz Service).

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRNG667

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Table with Call Sign (WRWD819), File Number, and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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: WRWD819

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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495 TENNESSEE STREET, SUITE 152
MEMPHIS, TN 38103

PROPERTY OWNER
TOWER VENTURES
CRAIG ROYAL
MEMPHIS, TN 38103
PH: (423) 531-6300
EMAIL: ROYAL@TOWERVENTURES.COM

UTILITIES - ELECTRIC
MEADE COUNTY RECC
BRANDENBURG, KY 40108
PH: (270) 422-2162
EMAIL:

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

FIRE DEPARTMENT
OHIO COUNTY SHERIFF
301 S. MAIN STREET
HARTFORD, KY 42338
PH: (270) 298-4444

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

SITE COORDINATES AND ELEVATION
LATITUDE - N37° 33' 21.13"
LONGITUDE - W086° 46' 26.17" / -86.77394
(NAD 83)
GROUND ELEVATION - ±417' AMSL
(NAVD 88)

PROJECT SUMMARY

BEGINNING AT THE OHIO COUNTY SEAT, HARTFORD, KY TAKE
KY-69 EAST
10.3 MILE
TO THE SITE ENTRANCE ON LEFT, (EAST) SIDE OF THE ROAD

DIRECTIONS TO SITE



MAP PROVIDED BY BING MAPS

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 255' TOWER w/ 11' LIGHTNING ROD (OSH - 266')
 - 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/ CANOPY AND FOUNDATIONS
 - "VERIZON WIRELESS ONLY" FIBER HAND HOLE AT 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 ELECTRIC 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 ELECTRIC SERVICE CONDUCTOR FROM OWNER INSTALLED UTILITY H-FRAME TO VZW INSTALLED INTEGRATED LOAD CENTER (ILC) IN OWNER INSTALLED CONDUIT

PROJECT DESCRIPTION

NEW 255' SELF-SUPPORT
W/ 11' LIGHTNING ROD
TOTAL TOWER HEIGHT 266'
VERIZON ANTENNA C.L. 250'

CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
EV DUNDEE
LOCATION No. 725000
FUZE PROJECT No. 16933256

BUILDING CODE
2018 KENTUCKY BUILDING CODE TIA/IEA-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
CHAILLE TOWER CNSLTS
FRED LOW
BREMEN IN 46506
PH: (317) 538-9586
EMAIL: FREDLOW@CONSULTANTS.COM

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

CONSULTANT TEAM

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

KY1005 EV DUNDEE CELL SITE

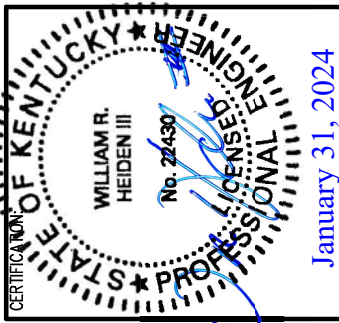
STATE ROAD 69 N DUNDEE, KY 42238 OHIO COUNTY

DRAWING INDEX

T-1	PROJECT INFORMATION, LOCATION MAPS, AND DRAWING INDEX
1 of 2	SURVEY PLAN
2 of 2	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

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.

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



RELEASE	
DATE	
12-05-2022	LEASE EXHIBIT
01-29-2024	ZONING DRAWINGS

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SITE NAME:

KY1005
EV DUNDEE
CELL SITE

SITE ADDRESS:
STATE ROUTE 69 N
DUNDEE, KY 42338

SHEET TITLE:
PROJECT INFORMATION,
LOCATION MAPS,
AND DRAWING INDEX

SHEET NO.:



TOWER VENTURES
 495 TENNESSEE STREET
 SUITE 152
 MEMPHIS, TN 38103

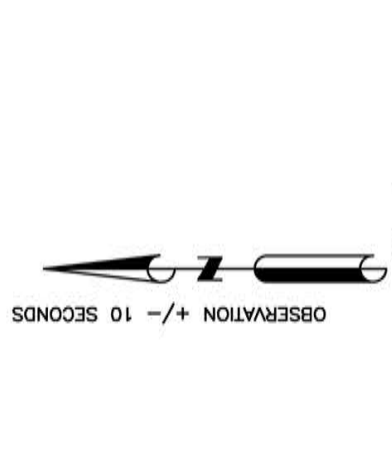
MISSION 1
 COMMUNICATIONS
 6202-C CONSTITUTION DRIVE
 FT. WAYNE, IN 46804
 PHONE: 260.436.3922

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

TOWER VENTURES SITE ID:	KY-1005
SITE NAME:	EV DUNDEE
SITE ADDRESS:	11473 STATE ROUTE 69 DUNDEE, KY 42338
LEASE AREA:	10000 SQ. FT.
PROPERTY OWNER:	BLAINE & FARRAH LUTTRELL 190 BANK CIRCLE DR DUNDEE, KY 42338
COUNTY:	OHIO COUNTY
PARCEL NO.:	49-A-44 & 49-A-41A-1
LATITUDE:	37°33'21.13" N
LONGITUDE:	86°46'26.17" W
DWG BY:	RMW
DATE:	11.22.23
NO. REVISION/ISSUE	
DATE:	

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

TITLE:	SURVEY PLAN
SHEET:	1 OF 2

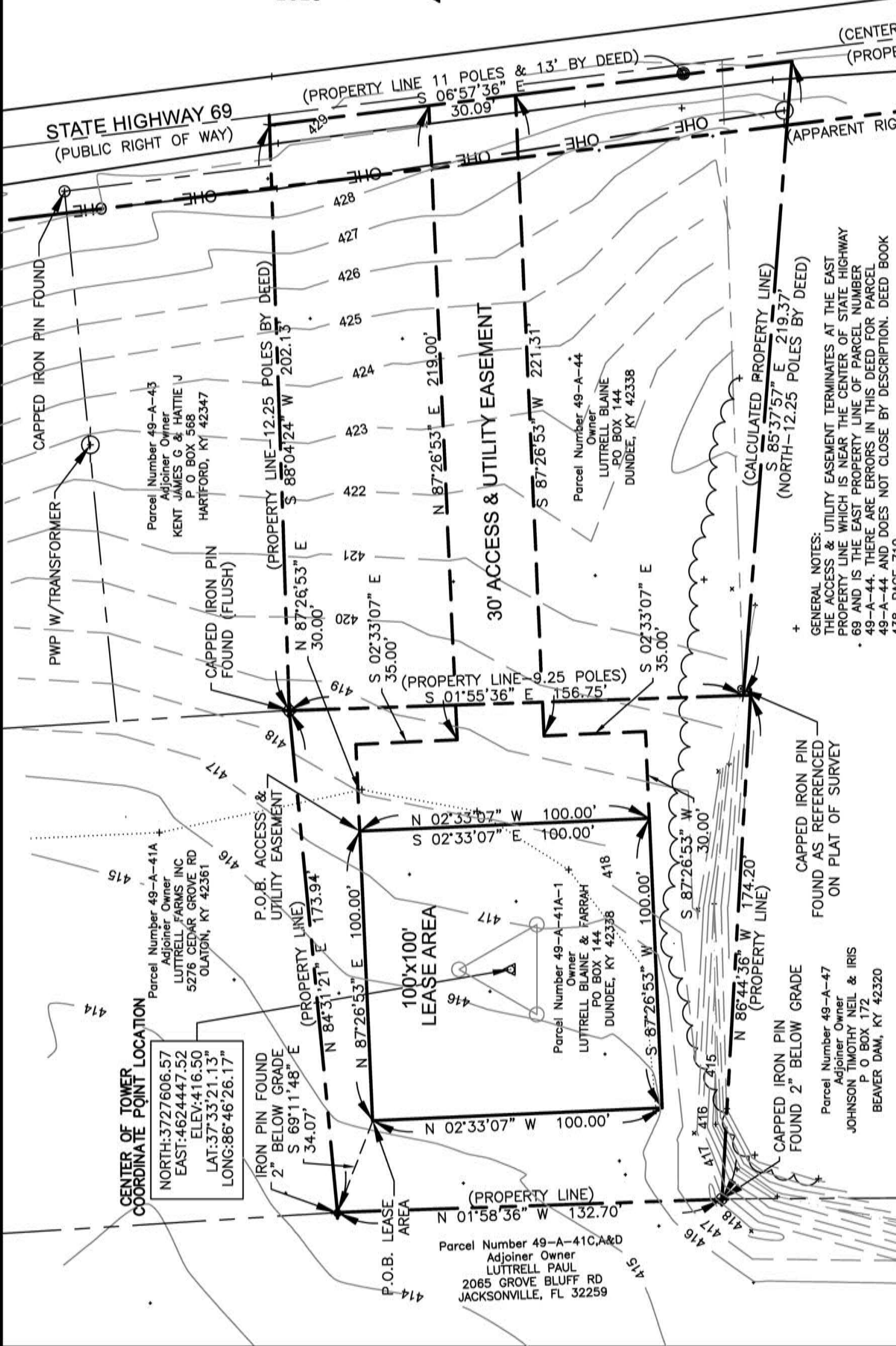


NORTH IS BASED ON KENTUCKY STATE PLANE COORDINATE SYSTEM SINGLE ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON NOVEMBER 16, 2023



△ CENTER OF TOWER COORDINATE POINT LOCATION
 NAD 1983
 LATITUDE: 37°33'21.13" N
 LONGITUDE: 86°46'26.17" W
 NAVD 1988
 ELEVATION 416.50 AMSL

- UTILITIES
- POWER COMPANY
MEADE COUNTY RECC
(270) 862-3830
- EMERGENCY SERVICES
OHIO COUNTY SHERIFF
(270) 298-4444
- DUNDEE FIRE DEPARTMENT
(270) 276-5171



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. Wallem
 RALPH M. WALLEM
 PLS. NO. KY LS 2195

GENERAL NOTES:
 THE ACCESS & UTILITY EASEMENT TERMINATES AT THE EAST PROPERTY LINE WHICH IS NEAR THE CENTER OF STATE HIGHWAY 69 AND IS THE EAST PROPERTY LINE OF PARCEL NUMBER 49-A-44. THERE ARE ERRORS IN THIS DEED FOR PARCEL 49-A-44 AND DOES NOT CLOSE BY DESCRIPTION. DEED BOOK 438, PAGE 710.

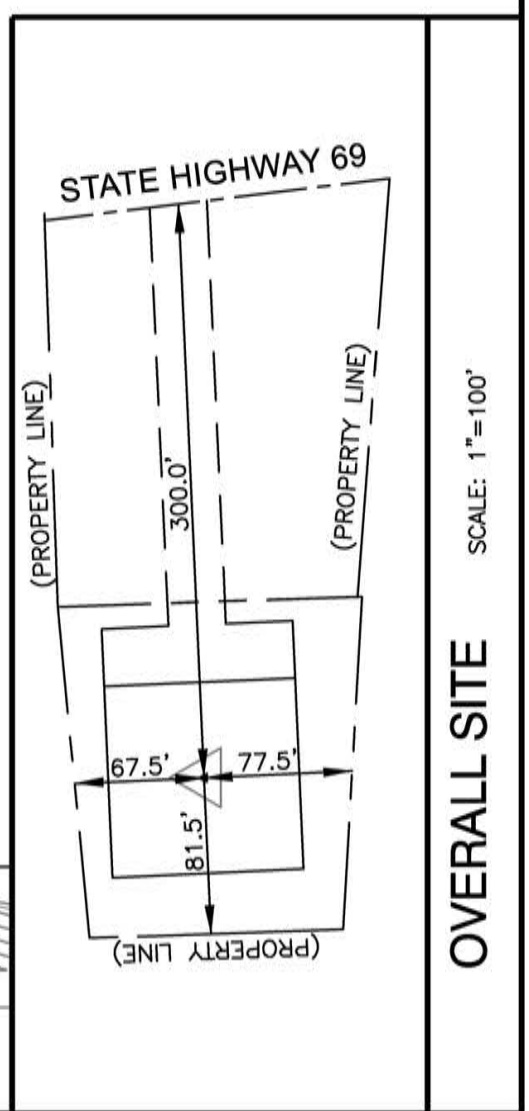
THE LEASE AREA AND EASEMENT LIE ENTIRELY WITHIN THE PARENT PARCEL NUMBER 49-A-41A-1 ACCORDING TO ONLINE RECORDS OHIO COUNTY, KY PVA

AT THE TIME OF THE SURVEY, THERE WERE NO VISIBLE ENCROACHMENTS LOCATED ON THE LEASE AREA OR EASEMENTS.

FLOOD DATA

THIS PROPERTY APPEARS TO BE IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 21183C0135E WHICH HAS AN EFFECTIVE DATE OF SEPTEMBER 1, 2022.

NOTE: FLOOD ZONE INFORMATION SHOWN HEREON IS BASED ON INFORMATION FROM A FEMA SCALED MAP AND GPS OBSERVATION.



OVERALL SITE SCALE: 1"=100'

NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

**TITLE COMMITMENT
FIDELITY NATIONAL TITLE INSURANCE COMPANY
COMMITMENT NO. 5000002670**

Prepared For: Burch, Porter & Johnson, PLLC
Customer Ref.: KY 1005

SCHEDULE A
Commitment Date: October 19, 2023 at 12:00 AM
Policy to be issued:

(a) ALTA Owner's Policy 2021 w--KY Mod
Proposed Insured: TVT II

The estate or interest in the Land at the Commitment Date is:
Leasehold Estate

The Title is, at the Commitment Date, vested in: Blaine Alan Luttrell (As to Parcel 1) Blaine Luttrell and Farrah Tichenor Luttrell (As to Parcel 2)

The Land is described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

SURVEY CERTIFICATE:

I, RALPH M. WALLEM

CERTIFY TO:

TVT II, LLC

BURCH, PORTER & JOHNSON, PLLC

FIDELITY NATIONAL TITLE INSURANCE COMPANY

STRATEGIC MARKET SERVICES-FNT

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 REFERENCING THE PARENT TRACT.

SCHEDULE B, PART II - Exceptions

ITEMS 1 THRU 7--(NOT SURVEYOR RELATED ITEMS

8. Easement recorded in Deed Book 70, Page 403. (NOTE: As to Parcel 1) (DOES NOT AFFECT THE PARENT PARCEL, DOES NOT AFFECT THE LEASE AREA, DOES NOT AFFECT THE ACCESS & UTILITY EASEMENT.

9. Matters as shown and noted on Plat recorded in Plat Cabinet G, Page 121. (NOTE: As to Parcels 1 and 2) (DOES NOT AFFECT THE PARENT PARCEL, DOES NOT AFFECT THE LEASE AREA, DOES NOT AFFECT THE ACCESS & UTILITY EASEMENT.

10. Right of Way Easement recorded on January 13, 1984 in Deed Book 249, Page 659. (NOTE: As to Parcel 2) (DOES NOT AFFECT THE PARENT PARCEL, DOES NOT AFFECT THE LEASE AREA, DOES NOT AFFECT THE ACCESS & UTILITY EASEMENT.
END OF SCHEDULE B, PART II

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. Wallem

RALPH M. WALLEM

PLS NO. KY LS 2195

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

100x100' LEASE AREA DESCRIPTION

A PART OF PARCEL 1, TOWN LOT NO. 2 AND A PART OF PARCEL 2 SITUATED IN DUNDEE, OHIO COUNTY, KENTUCKY, SAID PARCELS BEING TAX PARCEL 49-1-44 AND 49-A-41A-1 AS RECORDED BY QUITCLAIM DEED IN DEED BOOK 438, PAGE 709 AND ALSO RECORDED IN DEED BOOK 456, PAGE 197 AND MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT AN IRON PIN FOUND AT THE NORTHWEST CORNER OF TAX PARCEL 49-A-41A-A; THENCE SOUTH 69 DEGREES 11 MINUTES 48 SECONDS EAST 34.07 FEET TO THE NORTHWEST LEASE CORNER AND BEING THE TRUE PLACE OF BEGINNING; THENCE NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 100.00 FEET; THENCE SOUTH 02 DEGREES 33 MINUTES 07 SECONDS EAST 100.00 FEET; THENCE SOUTH 87 DEGREES 26 MINUTES 53 SECONDS WEST 100.00 FEET; THENCE NORTH 02 DEGREES 33 MINUTES 07 SECONDS WEST 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 PARCEL 1, TOWN LOT NO. 2 AND A PART OF PARCEL 2 SITUATED IN DUNDEE, OHIO COUNTY, KENTUCKY, SAID PARCELS BEING TAX PARCEL 49-1-44 AND 49-A-41A-1 AS RECORDED BY QUITCLAIM DEED IN DEED BOOK 438, PAGE 709 AND ALSO RECORDED IN DEED BOOK 456, PAGE 197 AND MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT AN IRON PIN FOUND AT THE NORTHWEST CORNER OF TAX PARCEL 49-A-41A-A; THENCE SOUTH 69 DEGREES 11 MINUTES 48 SECONDS EAST 34.07 FEET TO THE NORTHWEST LEASE CORNER; THENCE NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING; THENCE CONTINUING NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 30.00 FEET; THENCE SOUTH 02 DEGREES 33 MINUTES 07 SECONDS EAST 35.00 FEET; THENCE NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 219.00 FEET; THENCE SOUTH 06 DEGREES 57 MINUTES 36 SECONDS EAST 30.09 FEET; THENCE SOUTH 87 DEGREES 26 MINUTES 53 SECONDS WEST 221.31 FEET; THENCE SOUTH 02 DEGREES 33 MINUTES 07 SECONDS EAST 35.00 FEET; THENCE SOUTH 87 DEGREES 26 MINUTES 53 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE CORNER; THENCE ALONG THE EAST LEASE LINE NORTH 02 DEGREES 33 MINUTES 07 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 9605 SQUARE FEET, (0.22 ACRES), MORE OR LESS.

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

PARENT PARCEL DESCRIPTION

An interest in land, said interest being over a portion of the following described parent parcel: PARCEL 1:

Town Lot No. 2 situated in Dundee, Ohio County, Kentucky, and bounded as follows, to-wit: BEGINNING at a stone near the center of Hartford and Fordsville Road; thence South 80 W. 12 1/4 poles to a stone with E.F. Dukes line; thence S. 10 E. 9 1/2 poles with Parris McDowell's line to center of ditch; thence N. with said McDowell's line 12 1/4 poles to a stone in center of Hartford and Fordsville Road; thence with said road 11 poles & 13 feet to the beginning. AND BEING a portion of the same property conveyed to Blaine Alan Luttrell from Cindy Kaye Luttrell by Quitclaim Deed dated June 5, 2020 and recorded July 22, 2020 in Deed Book 438, Page 709. Tax Parcel No. 49-A-44

PARCEL 2:

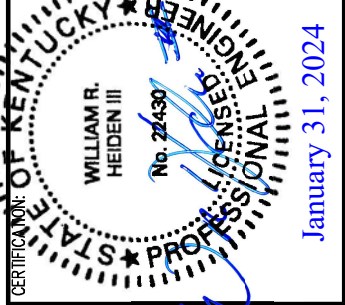
A certain tract of land located in Dundee, Ohio County, Kentucky and described as follows: Beginning at an iron pin (s) being located N 76° 41' 28" E, a distance of 6.87 feet from a 1.5 inch pipe (f) (down). Said iron pin (s) being a new southeast corner to Paul Luttrell (DB 413, P 501) (Tract 1, remaining acreage). Said iron pin (s) also being the northwest corner to Blaine Luttrell (DB 438, P 709). (Note: All iron pins (s) and reference pins (s) stated herein, are 1/2 inch rebar (19 inches in length) with blue cap stamped "W.T. Crume PLS 3862". All bearings stated are based on Kentucky State Plane South (NAD 83)). Thence from the beginning and with the west line of said Blaine Luttrell S 1° 57' 12" E, a distance of 159.21 feet to a point in a ditch being located S 1° 57' 12" E, a distance of 7.80 feet from a reference pin (s), said point also being the southwest corner to said Blaine Luttrell and in the north line of Timothy Johnson (DB 327, P 156); thence with the north line of said Johnson N 86° 46' 12" W, a distance of 174.20 feet to an iron pin (s) in the east line of said Paul Luttrell (DB 413, P 501) (Tract 3); thence with the east line of said Paul Luttrell N 2° 00' 12" W, a distance of 132.70 feet to an iron pin (s) being a new southwest corner to said Paul Luttrell (DB 413, P 501) (Tract 1); thence with said Paul Luttrell and a new division line N 84° 29' 45" E, a distance of 173.94 feet to the POINT OF BEGINNING; said described tract containing 0.581 acre, more or less, as per survey by William T. Crume, PLS 3862, completed on April 17, 2023.

AND BEING the same property conveyed to Blaine Luttrell and Farrah Tichenor Luttrell from Paul R. Luttrell and Sandra Luttrell by Deed dated July 18, 2023 and recorded July 19, 2023 in Deed Book 456, Page 197. Tax Parcel No. 49-A-41A-1



TOWER VENTURES SITE ID: KY-1005
SITE NAME: EV DUNDEE
SITE ADDRESS: 11473 STATE ROUTE 69 DUNDEE, KY 42338
LEASE AREA: 10000 SQ. FT.
PROPERTY OWNER: BLAINE & FARRAH LUTTRELL 190 BANK CIRCLE DR DUNDEE, KY 42338
COUNTY: OHIO COUNTY
PARCEL NO.: 49-A-44 & 49-A-41A-1
LATITUDE: 37°33'21.13" N
LONGITUDE: 86°46'26.17" W
DWG BY: GVW
CHD BY: RMW
DATE: 11.22.23
NO. REVISION/ISSUE
DATE:
TITLE: SURVEY PLAN
SHEET: 2 OF 2





RELEASE	
DATE	12-05-2022 LEASE EXHIBIT
	01-29-2024 ZONING DRAWINGS

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SITE NAME:
**KY1005
EV DUNDEE
CELL SITE**

SITE ADDRESS:
**STATE ROUTE 69 N
DUNDEE, KY 42338**

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

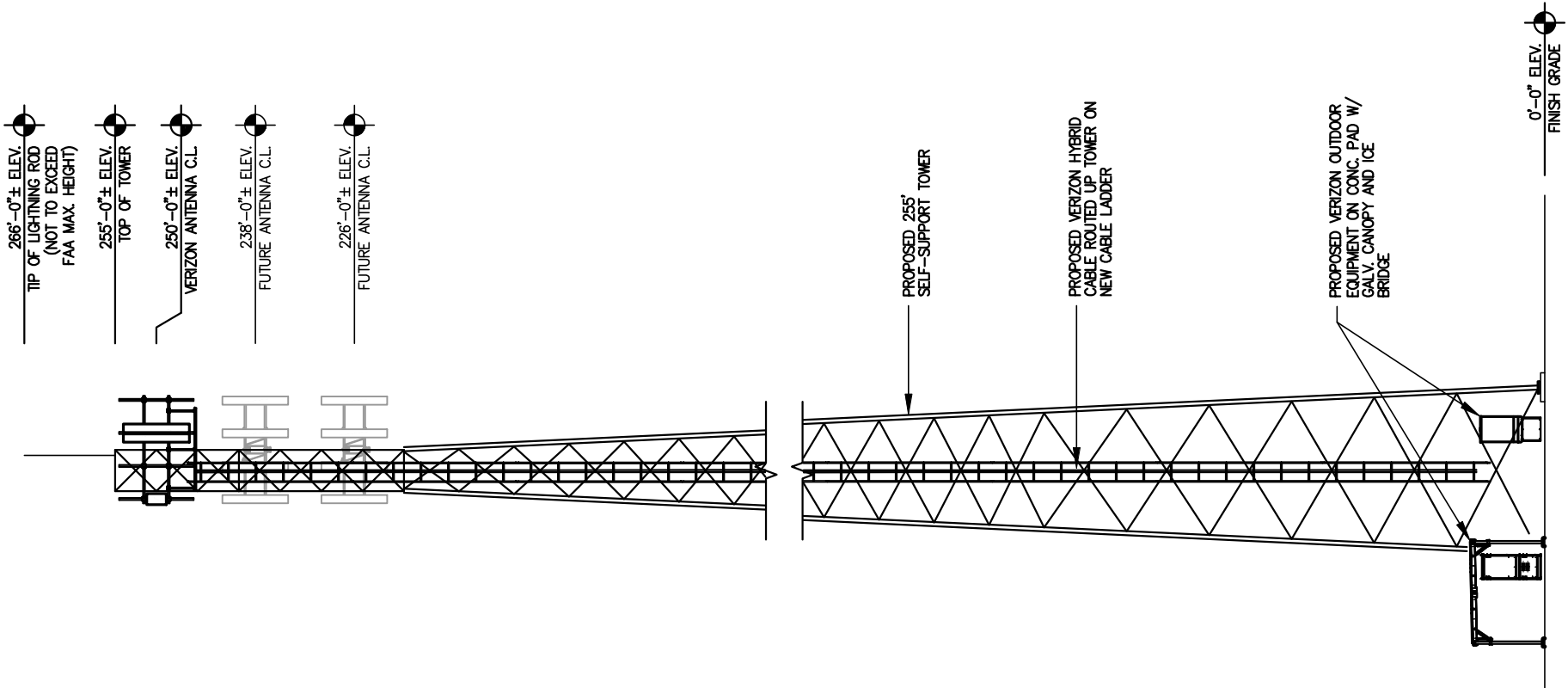
PROPOSED THREE (3) ERICSSON 4449 B5/B13 RADIO TO BE INSTALLED (1 PER SECTOR)

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)

- 266'-0"± ELEV. TIP OF LIGHTNING ROD (NOT TO EXCEED FAA MAX. HEIGHT)
- 255'-0"± ELEV. TOP OF TOWER
- 250'-0"± ELEV. VERIZON ANTENNA C.L.
- 238'-0"± ELEV. FUTURE ANTENNA C.L.
- 226'-0"± ELEV. FUTURE ANTENNA C.L.



Tower Elevation

SCALE: 1" = 20'-0"



TOWER VENTURES
MEMPHIS, TN 38103

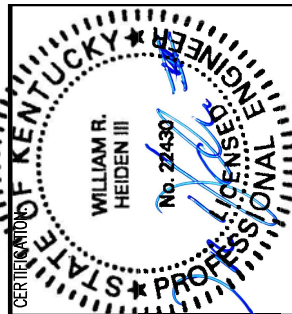
CELLCO
PARTNERSHIP, d/b/a



CHANDLER, IN 47610



MISSION 1
COMMUNICATIONS
FORT WAYNE, IN 46804



January 31, 2024

RELEASE	
DATE	12-05-2022 LEASE EXHIBIT
	01-29-2024 ZONING DRAWINGS

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SITE NAME:

KY1005
EV DUNDEE
CELL SITE

SITE ADDRESS:

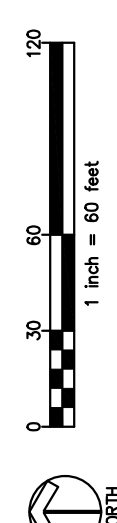
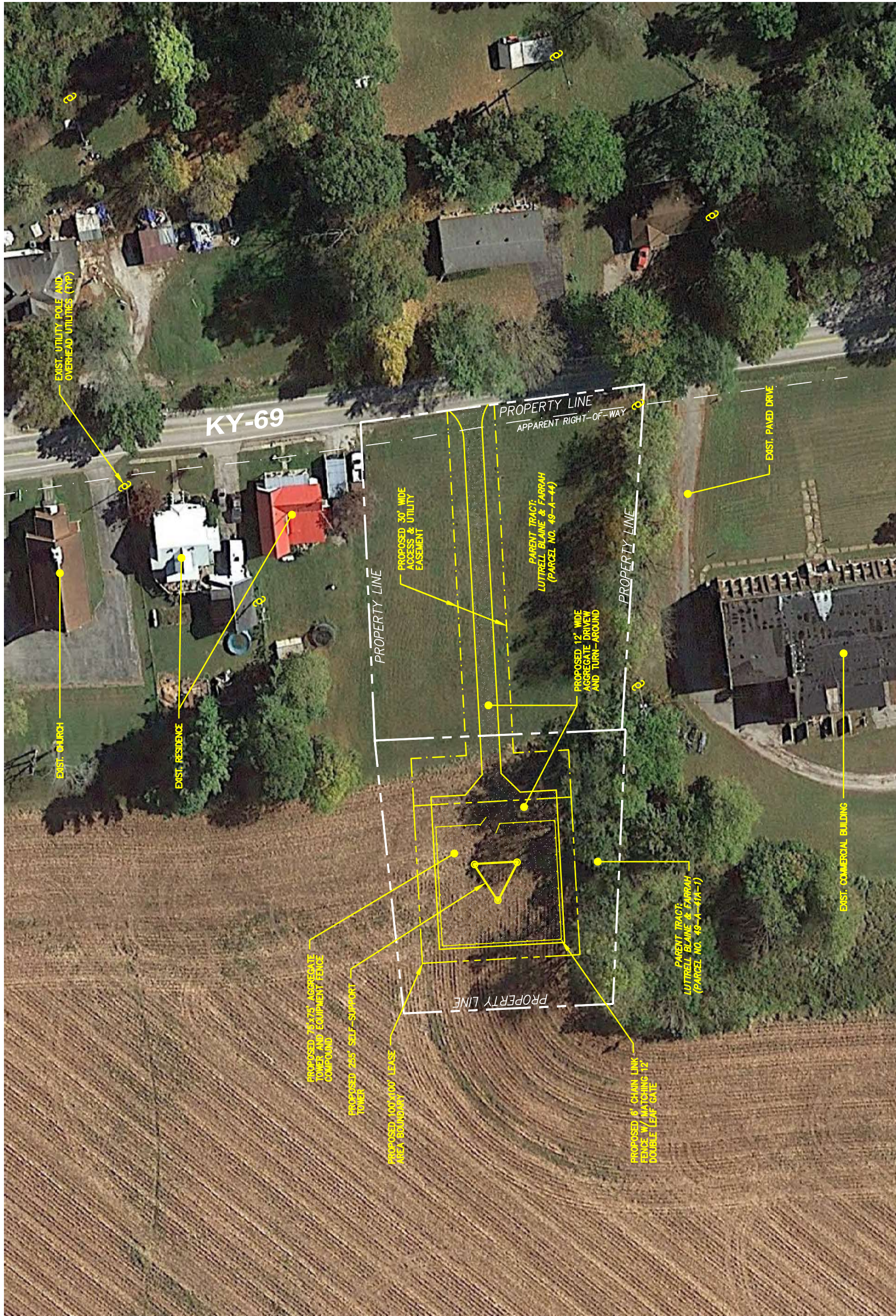
STATE ROUTE 69 N
DUNDEE, KY 42338

SHEET TITLE:

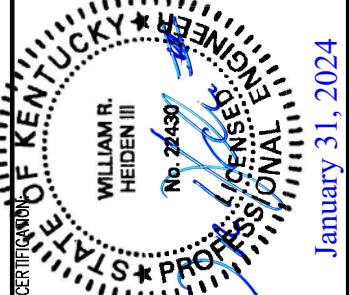
OVERALL SITE PLAN
W/ AERIAL OVERLAY

SHEET NO.:

C-1



Overall Site Plan w/ Aerial Overlay



RELEASE DATE	12-05-2022 LEASE EXHIBIT
DATE	01-29-2024 ZONING DRAWINGS

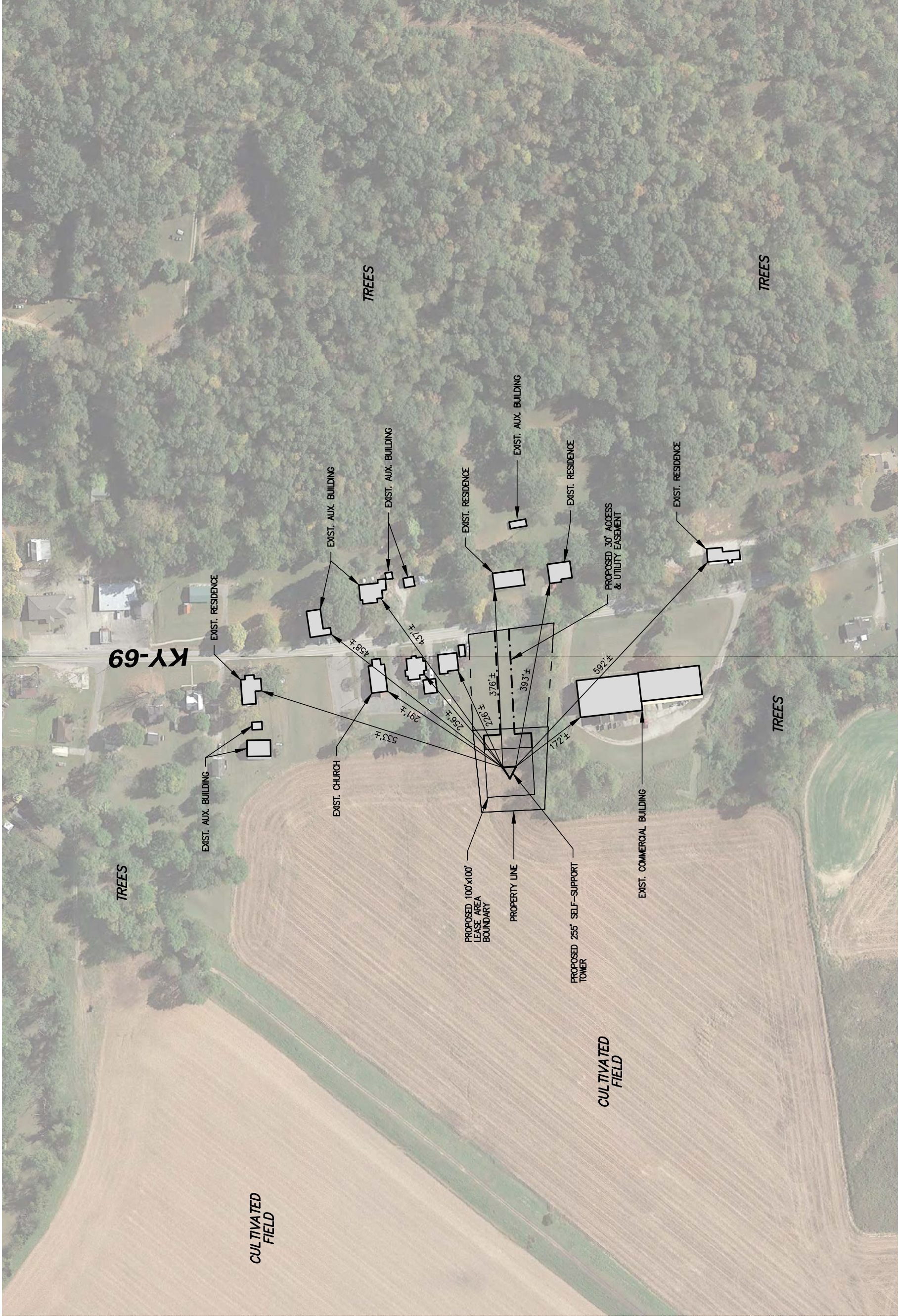
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**KY1005
EV DUNDEE
CELL SITE**

SITE ADDRESS:
STATE ROUTE 69 N
DUNDEE, KY 42338

SHEET TITLE:
OVERALL SITE PLAN
W/ TOWER LEG
DISTANCES TO
RESIDENTIAL
STRUCTURES

SHEET NO.:
C-1B



Overall Site Plan w/ Tower Leg Distances To Residential Structures



RELEASE	
DATE	12-05-2022 LEASE EXHIBIT
	01-29-2024 ZONING DRAWINGS

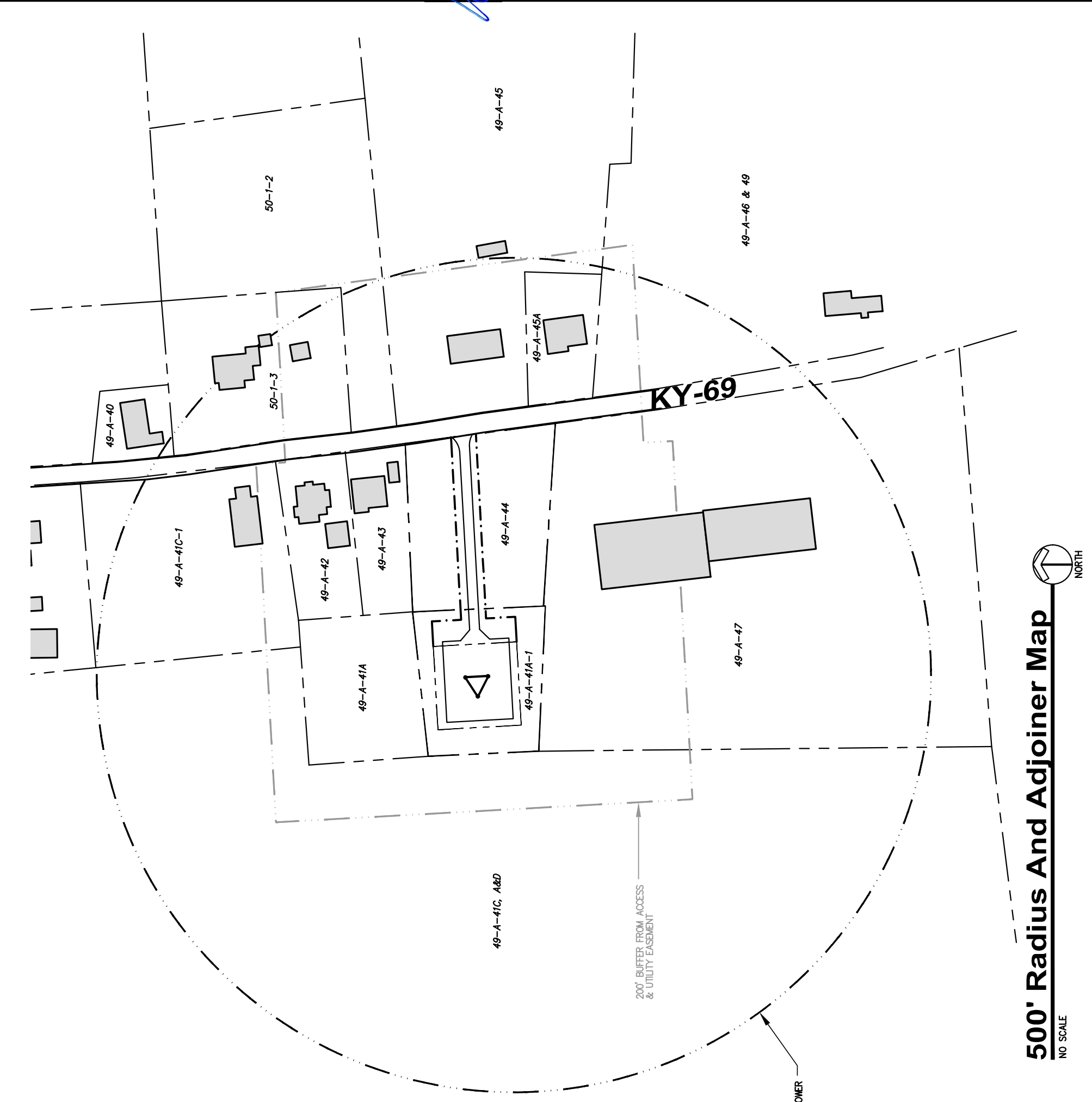
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**KY1005
EV DUNDEE
CELL SITE**

SITE ADDRESS:
**STATE ROUTE 69 N
DUNDEE, KY 42338**

SHEET TITLE:
**500' RADIUS AND
ADJOINER MAP**

SHEET NO.:
C-1C



PARCEL NO.	LOCATION ADDRESS	PRIMARY OWNER
49-A-40	11640 STATE ROUTE 69N	DUNDEE COMMUNITY DAY, INC 228 FOSTER ROAD HARTFORD, KY 42347
49-A-41A	STATE ROUTE 69N	LUITRELL FARMS, INC 5276 CEDAR GROVE ROAD OLATON, KY 42361
49-A-41A-1	STATE ROUTE 69N	LUITRELL BLAINE & FARRAH POB 144 DUNDEE, KY 42338
49-A-41C-1	STATE ROUTE 69N	GOSPEL OF THE KINGDOM CHURCH AT DUNDEE 503 UTILEY DRIVE HARTFORD, KY 42347
49-A-41C,A&D	STATE ROUTE 69N	LUITRELL PAUL 2065 GROVE BLUFF ROAD JACKSONVILLE, FL 32239
49-A-42	11525 STATE ROUTE 69N	CLAYTON JOSEPH D & HEATHER R 11525 STATE ROUTE 69N DUNDEE, KY 42338
49-A-43	11495 STATE ROUTE 69N	KENT JAMES G & HATTIE J POB 568 HARTFORD, KY 42347
49-A-44	STATE ROUTE 69N	LUITRELL BLAINE POB 144 DUNDEE, KY 42338
49-A-45	11476 STATE ROUTE 69N	TALLEY BOBBY L & DONNA J 11476 STATE ROUTE 69N DUNDEE, KY 42338
49-A-45A	11476 STATE ROUTE 69N	MERRITT RENTALS INC. 9399 HERBERT ROAD WHITESVILLE, KY 42378
49-A-46 & 49	11446 STATE ROUTE 69N	EDGE LAWRENCE W & TERESA S 11446 STATE ROUTE 69N DUNDEE, KY 42338
49-A-47	11449 STATE ROUTE 69N	JOHNSON TIMOTHY NEIL & IRIS POB 172 DAM, KY 42320
50-1-2	11500 STATE ROUTE 69N	BEVL SYLVIA & ETAL 660 C BECK ROAD CROMWELL, KY 42320
50-1-3	STATE ROUTE 69N	PRIEST EDDIE 383 WELDON ROAD MARION, KY 42064

500' Radius And Adjoiner Map
NO SCALE



RELEASE	
DATE	12-05-2022 LEASE EXHIBIT
	01-29-2024 ZONING DRAWINGS

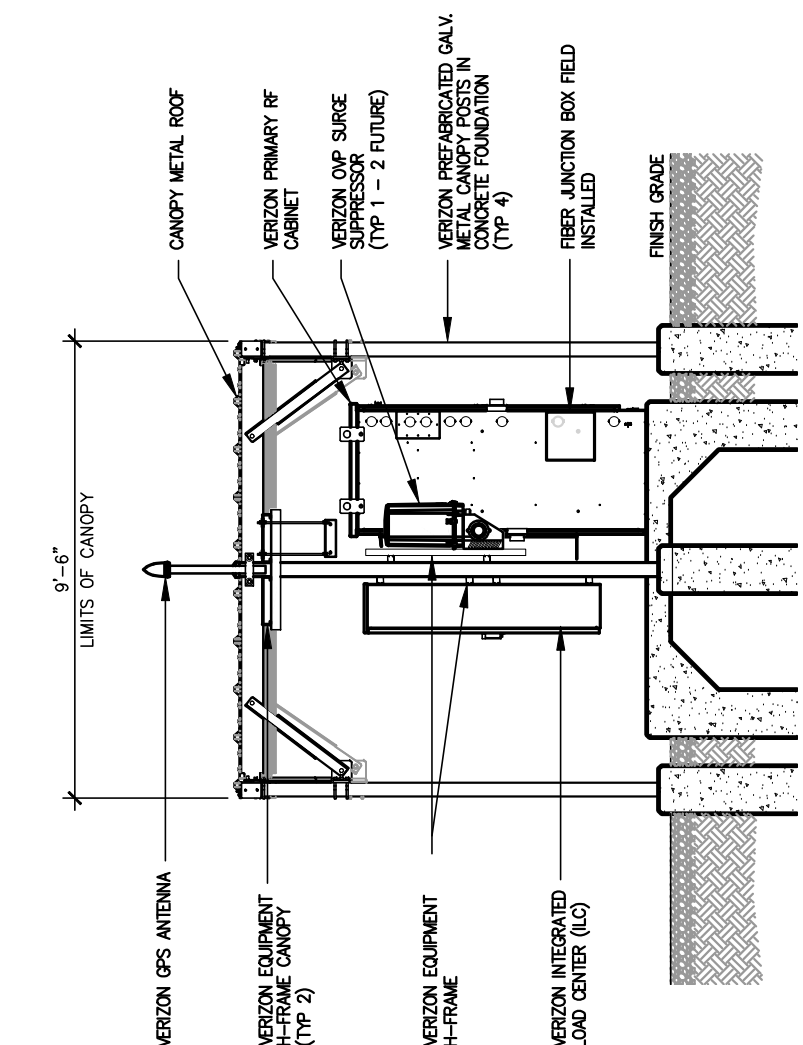
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SITE NAME:
**KY1005
EV DUNDEE
CELL SITE**

SITE ADDRESS:
**STATE ROUTE 69 N
DUNDEE, KY 42338**

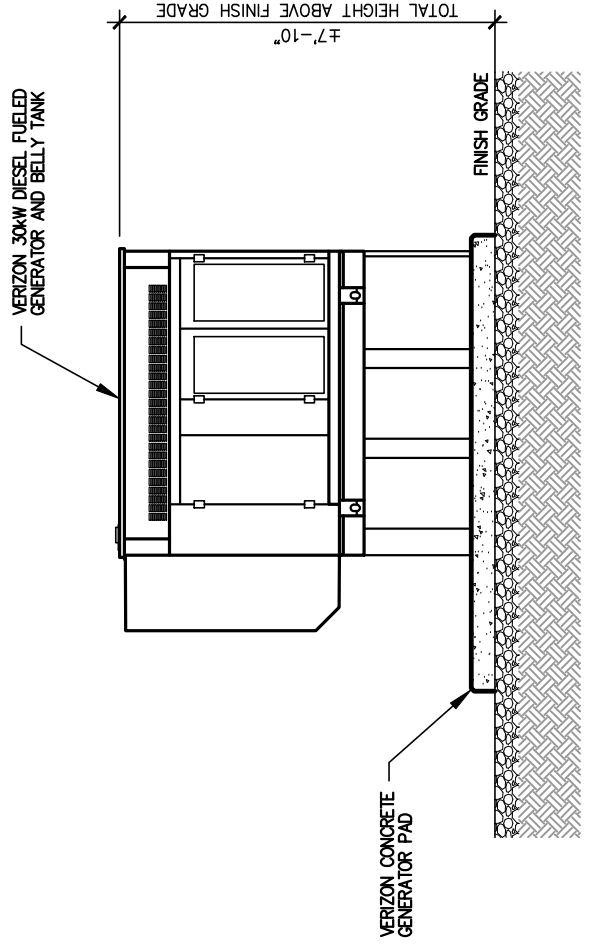
SHEET TITLE:
**VERIZON EQUIPMENT
PAD AND CANOPY
ELEVATIONS**

SHEET NO.:
D-1

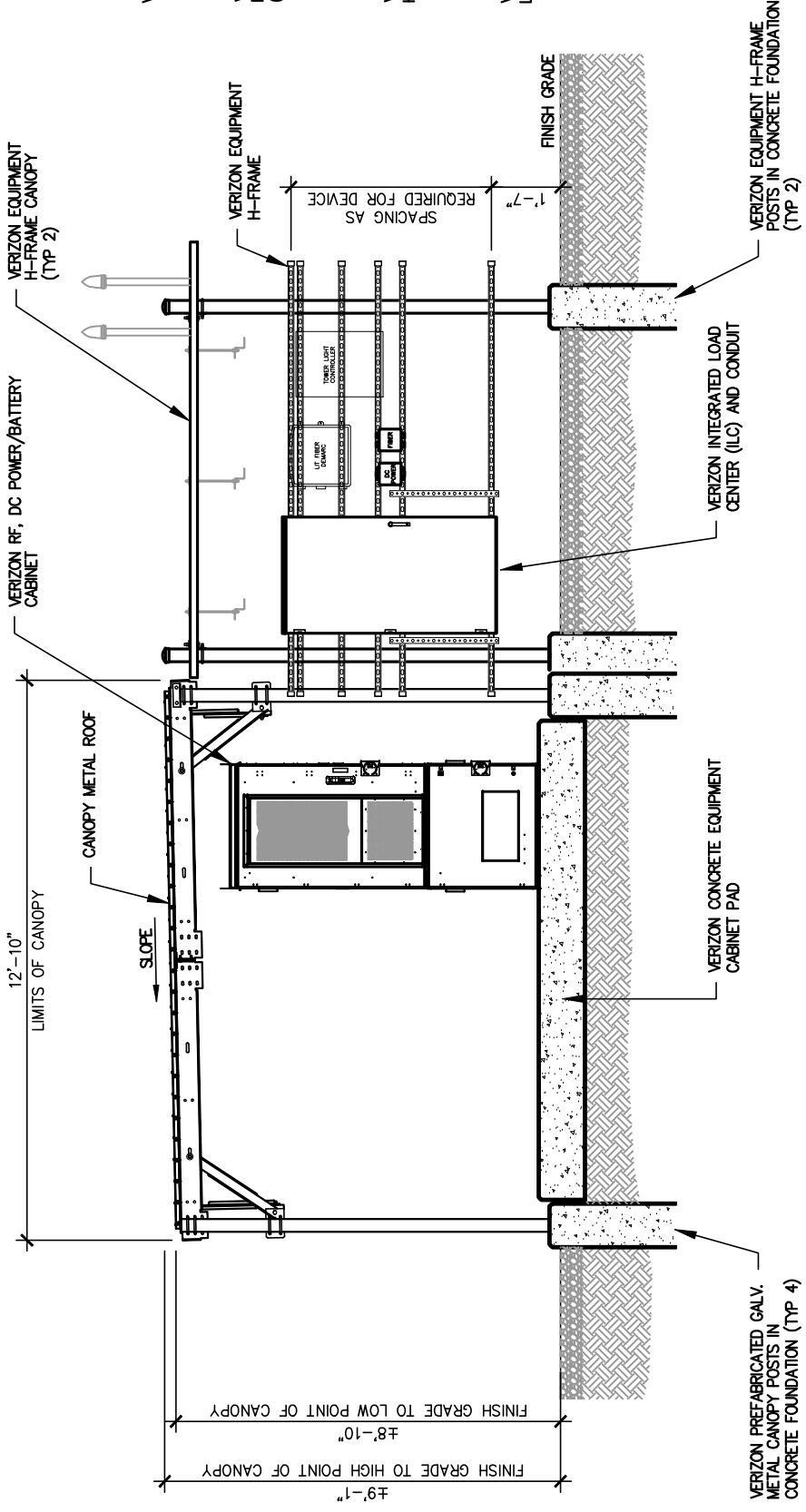


2 Equipment Right Elevation
SCALE: 1/4" = 1'-0"

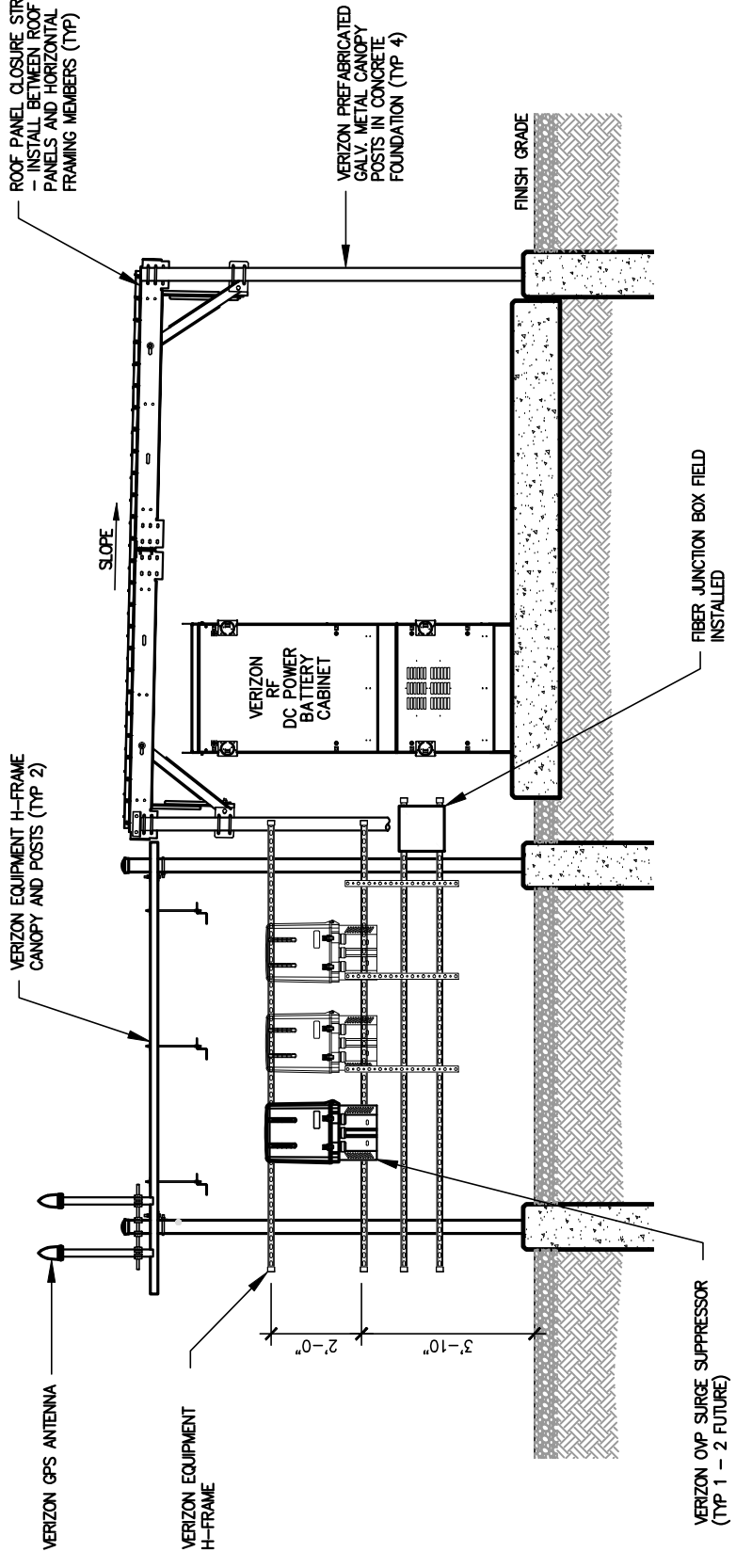
NOTE:
CANOPY ROOF PANELS R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL ENCLOSURE STRIPS TO MATCH PROFILE AS MANUFACTURED BY: SEALTITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)



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

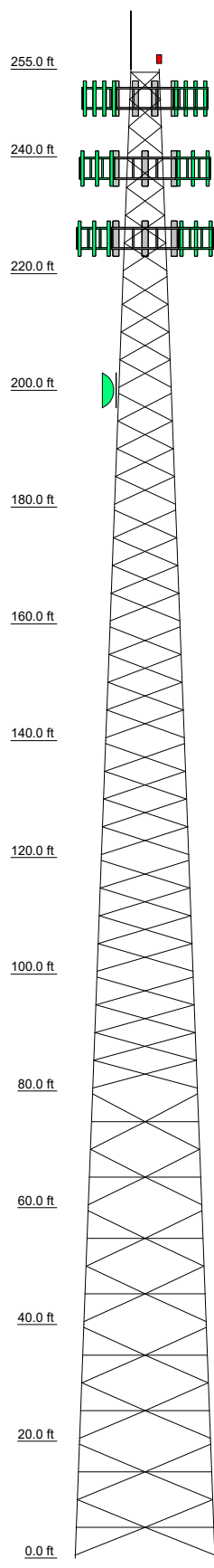


1 Equipment Front Elevation
SCALE: 1/4" = 1'-0"



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

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24
Legs	SR 1 3/4	SR 2 1/4	SR 2 3/4	SR 3	SR 3 1/4	SR 3 3/4	SR 3 1/2	SR 3 1/4	SR 3 1/4	SR 4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4
Leg Grade	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diagonals																								
Diagonal Grade																								
Top Girts																								
Horizontals																								
Inner Bracing																								
Face Width (ft)	6	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24										
# Panels @ (ft)	3 @ 4.66667							48 @ 4.75																
Weight (K)	0.7	1.3	1.8	2.2	2.3	2.7	3.3	3.7	4.4	4.7	4.9	5.4	5.7	43.2										



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod 1"x10'	255	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	238
Top Beacon	255	PV-SFA Sector Mount (1) (Carrier 2)	238
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1 (VZW))	250	PV-SFA Sector Mount (1) (Carrier 2)	238
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1 (VZW))	250	PV-SFA Sector Mount (1) (Carrier 2)	238
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1 (VZW))	250	Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	226
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	250	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	226
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	250	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	226
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	250	PV-SFA Sector Mount (1) (Carrier 3)	226
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	250	PV-SFA Sector Mount (1) (Carrier 3)	226
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	238	PV-SFA Sector Mount (1) (Carrier 3)	226
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	238	4-1/2" OD Dish Mount (Carrier 4)	200
		6' MW Dish (Carrier 4)	200

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x3/16	C	2L2 1/2x2 1/2x3/16x3/8
B	2L1 3/4x1 3/4x3/16x3/8		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A529-50	50 ksi	65 ksi	A36M-50	50 ksi	65 ksi

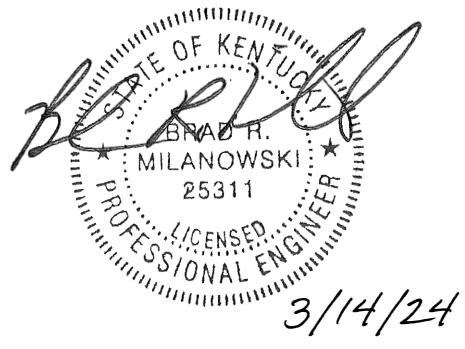
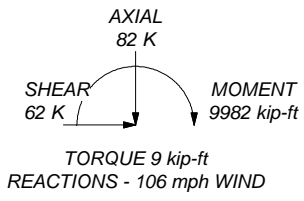
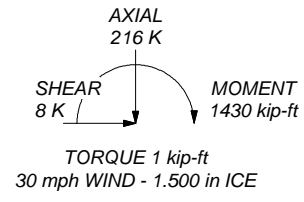
TOWER DESIGN NOTES

1. Tower is located in Ohio County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 106 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity.

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 507 K
SHEAR: 37 K

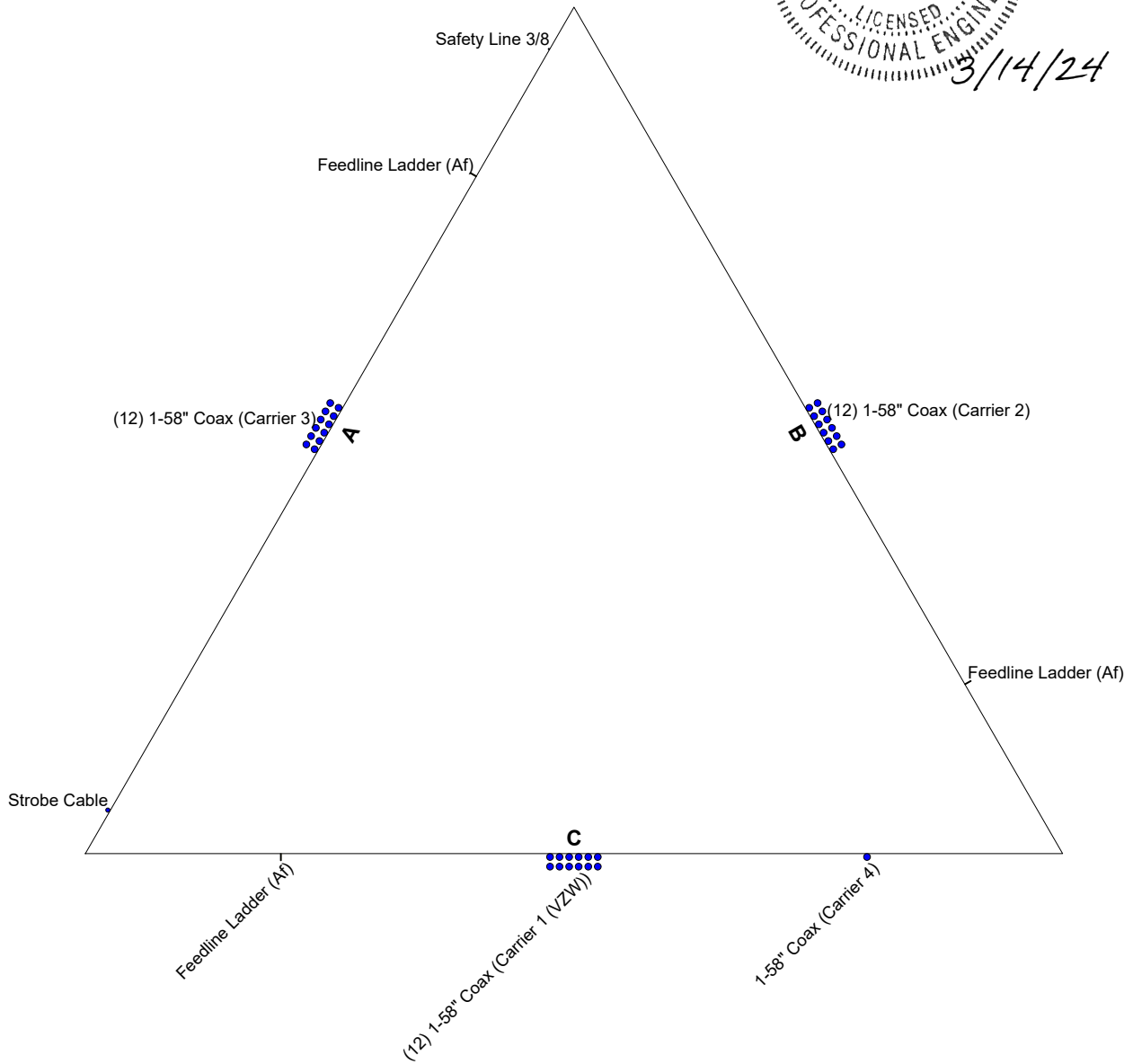
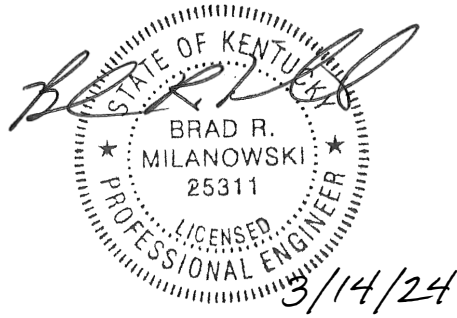
UPLIFT: -436 K
SHEAR: 33 K



B+T Group
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job:	ATS # A818 - EV Dundee				
Project:	255' SST/37.55586944, -86.77393611				
Client:	Tower Ventures	Drawn by:	T. Cheriyan	App'd:	
Code:	TIA-222-H	Date:	03/13/24	Scale:	NTS
Path:				Dwg No.	E-1

Feed Line Plan



B+T Group
 1717 S Boulder Ave, Suite 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Job: ATS # A818 - EV Dundee		
Project: 255' SST/37.55586944, -86.77393611		
Client: Tower Ventures	Drawn by: T. Cheriyan	App'd:
Code: TIA-222-H	Date: 03/13/24	Scale: NTS
Path:		Dwg No. E-7



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(918) 587-4630

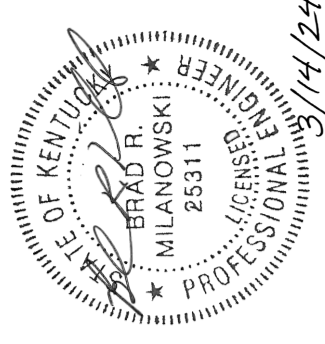


4020 TULL AVE. MUSKOGEE, OK 74403

REV	DATE	DESCRIPTION
0	03/13/24	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2024



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PROJECT INFORMATION:

PROJECT NO: 170098.001.01.0001
SITE NAME: EV DUNDEE
SITE NO: A818
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: THARUN CHERIVAN, E.I.T.
CHECKED BY: BS

SHEET TITLE:

DRILLED PIER FOUNDATION

SHEET NUMBER: **SST-DPF**

REVISION:

0

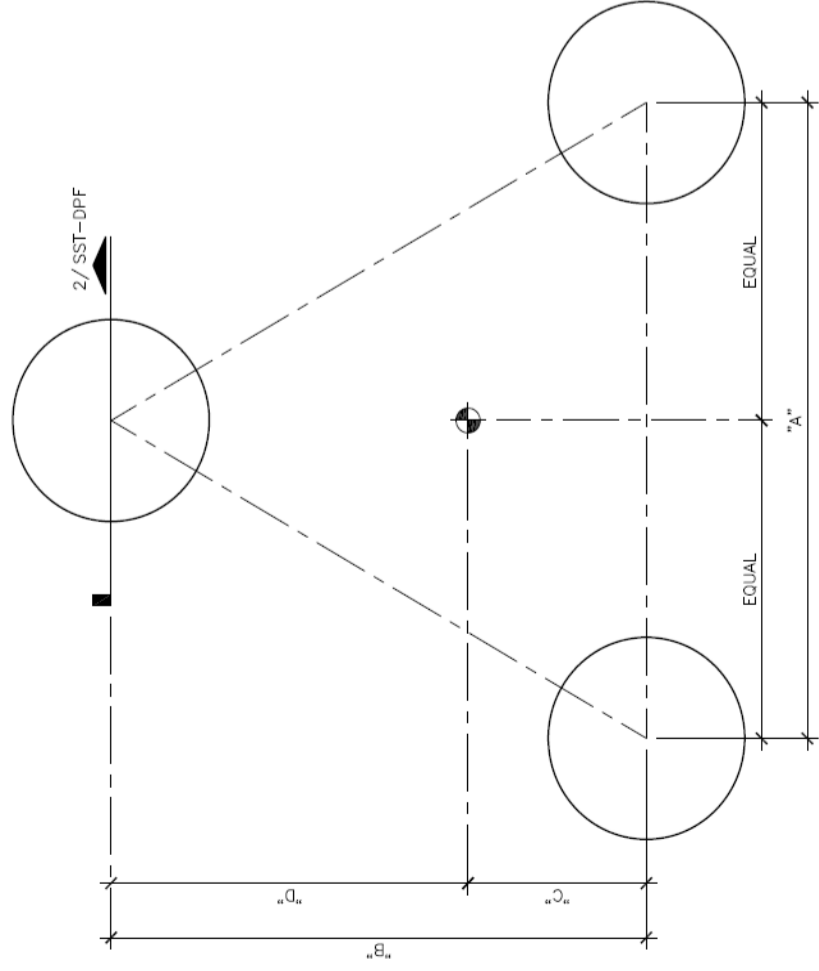
- NOTES:**
- REINFORCEMENT STEEL SHALL CONFIRM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
 - REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
 - THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
GEOTECHNICAL PROPERTIES BY: ALT & WITZIG ENGINEERING, INC.
PROJECT NUMBER: 24EV0012
DATE: MARCH 1, 2024
 - THIS FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
 - TOTAL CONCRETE VOLUME FOR ALL (3) PIERS IN CUBIC YARDS: 70.9
 - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 - CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14
 - ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"x12" OR (3) 4"x8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"x12" OR (6) 4"x8" CYLINDERS PER BATCH REQUIRED.
 - SUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
 - BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
 - VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

- STIPULATION FOR REUSE:
- THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

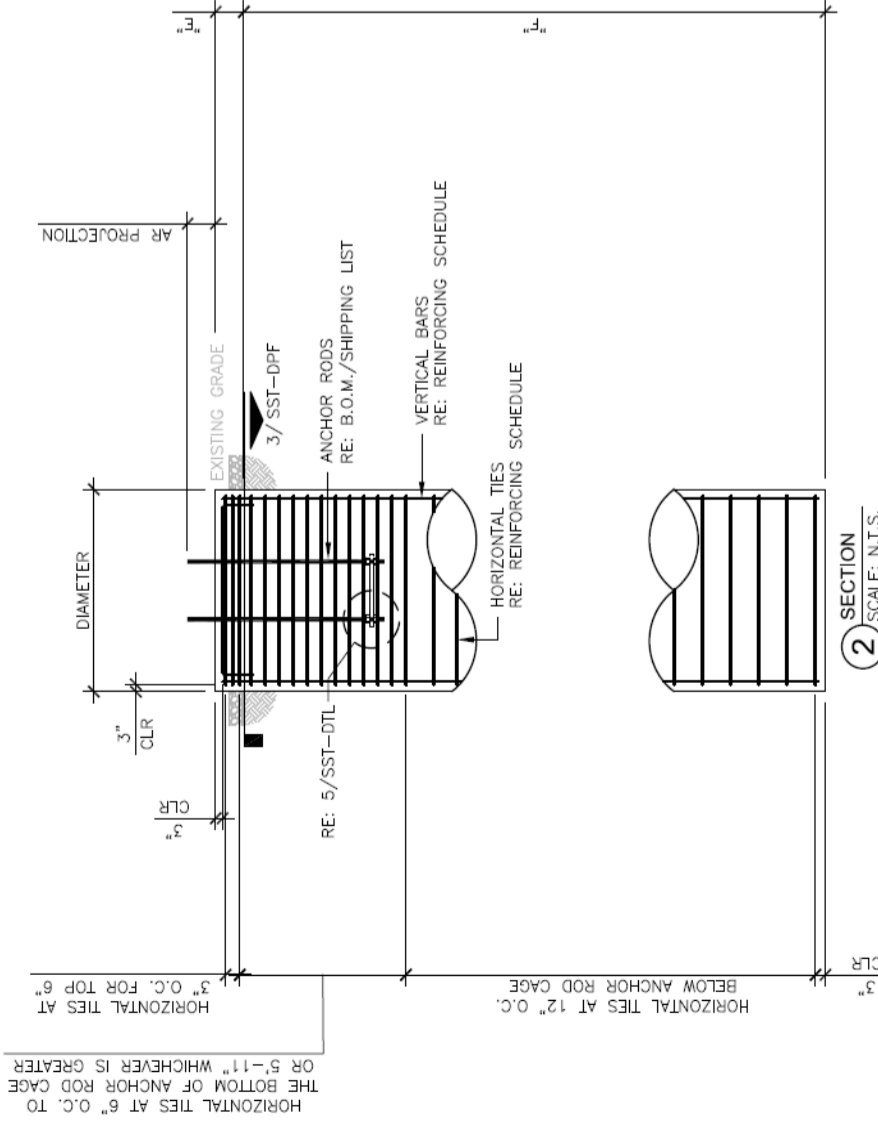
DIMENSIONING SCHEDULE	
A	24' 0"
B	20' 9 7/16"
C	6' 11 1/8"
D	13' 10 1/4"
E	0' 6"
F	32' 0"
MIN. OVERLAP "G"	2' 3"
DIAMETER	5' 0"
AR PROJECTION	10 IN.

REINFORCING SCHEDULE			SIZE	TOTAL QTY
VERTICAL BARS	# 8	54		
HORIZONTAL TIES	# 4	120		
U-BAR HORIZONTAL	# 4	12		

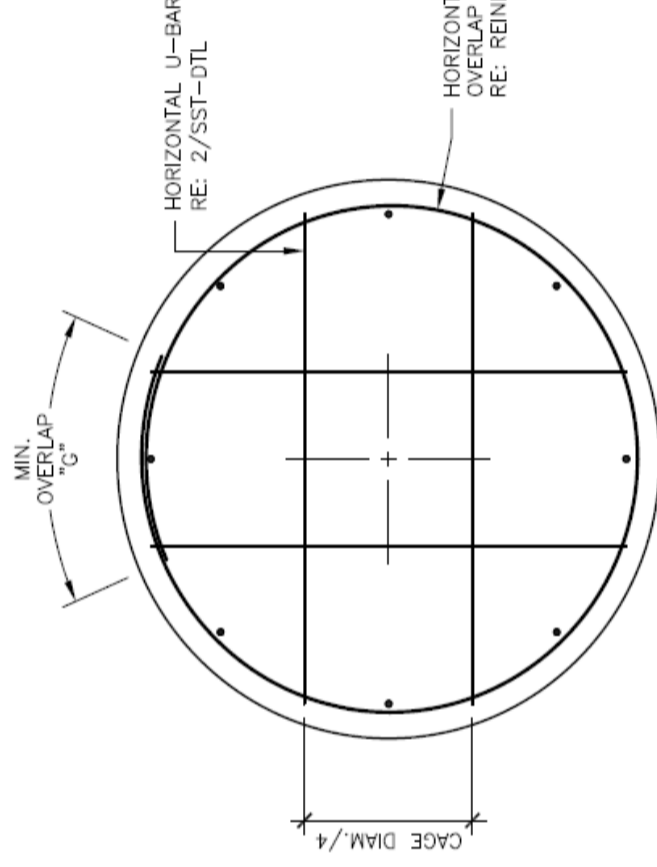
BASE REACTIONS: (FACTORED LOADS)		
GLOBAL REACTIONS		
MOMENT	9982	KIP-FT
AXIAL	82	KIPS
SHEAR	62	KIPS
REACTIONS PER LEG		
COMPRESSION AXIAL	507	KIPS
COMPRESSION SHEAR	37	KIPS
UPLIFT AXIAL	436	KIPS
UPLIFT SHEAR	33	KIPS



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.



HORIZONTAL TIES, ALTERNATING OVERLAP AT EACH LAYER 90 DEGREES
RE: REINFORCING SCHEDULE

3 SECTION
SCALE: N.T.S.



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(918) 587-4630

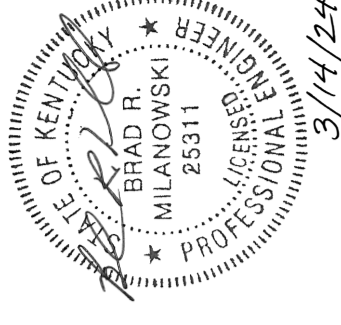


4020 TULL AVE. MUSKOGEE, OK 74403

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SITE NAME: EV DUNDEE
SITE NO: A818
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: THARUN CHERIYAN, E.I.T.
CHECKED BY: BS

SHEET TITLE:

UNIT BASE FOUNDATION

SHEET NUMBER:

SST-UBF

REVISION:

0

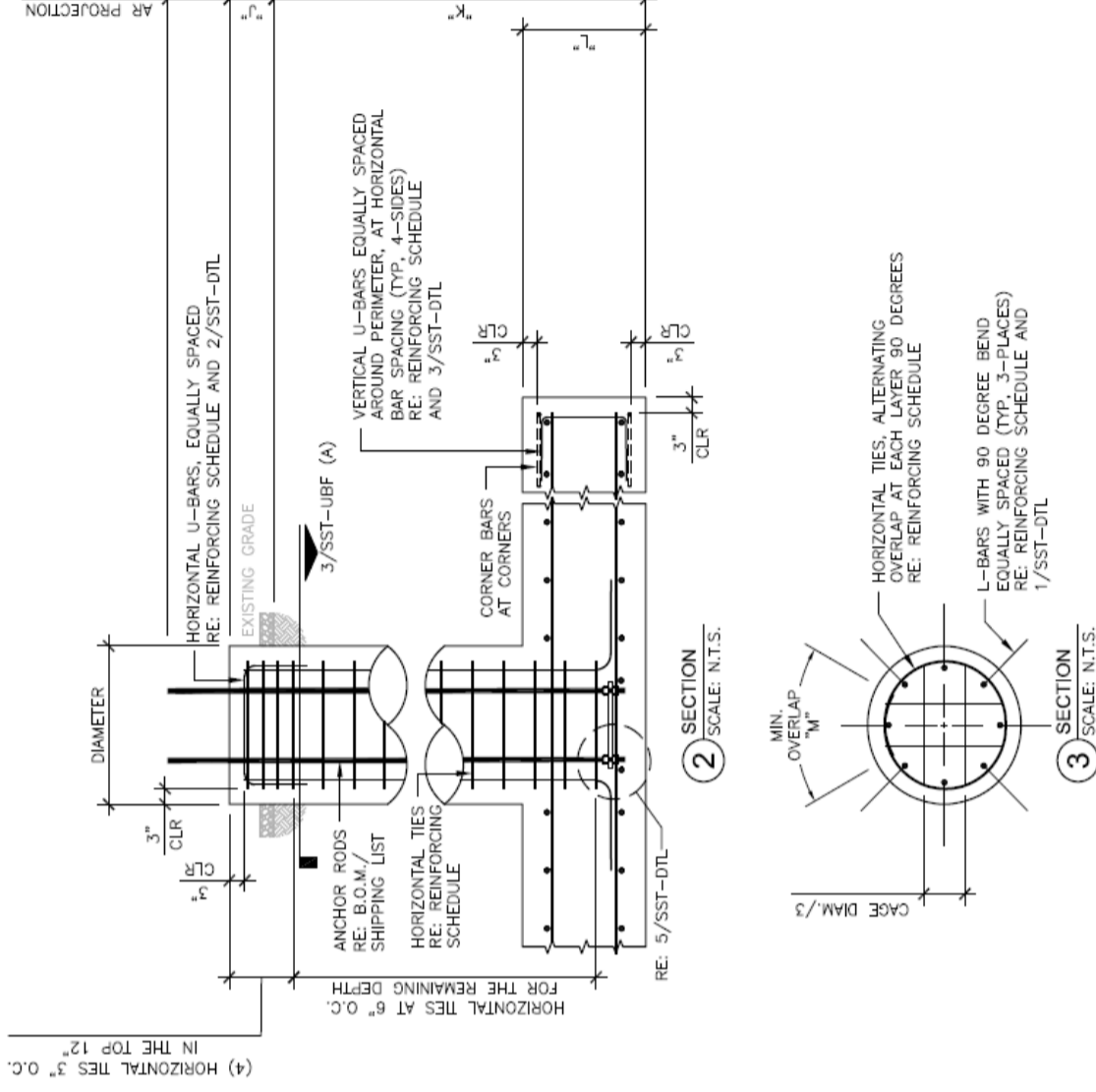
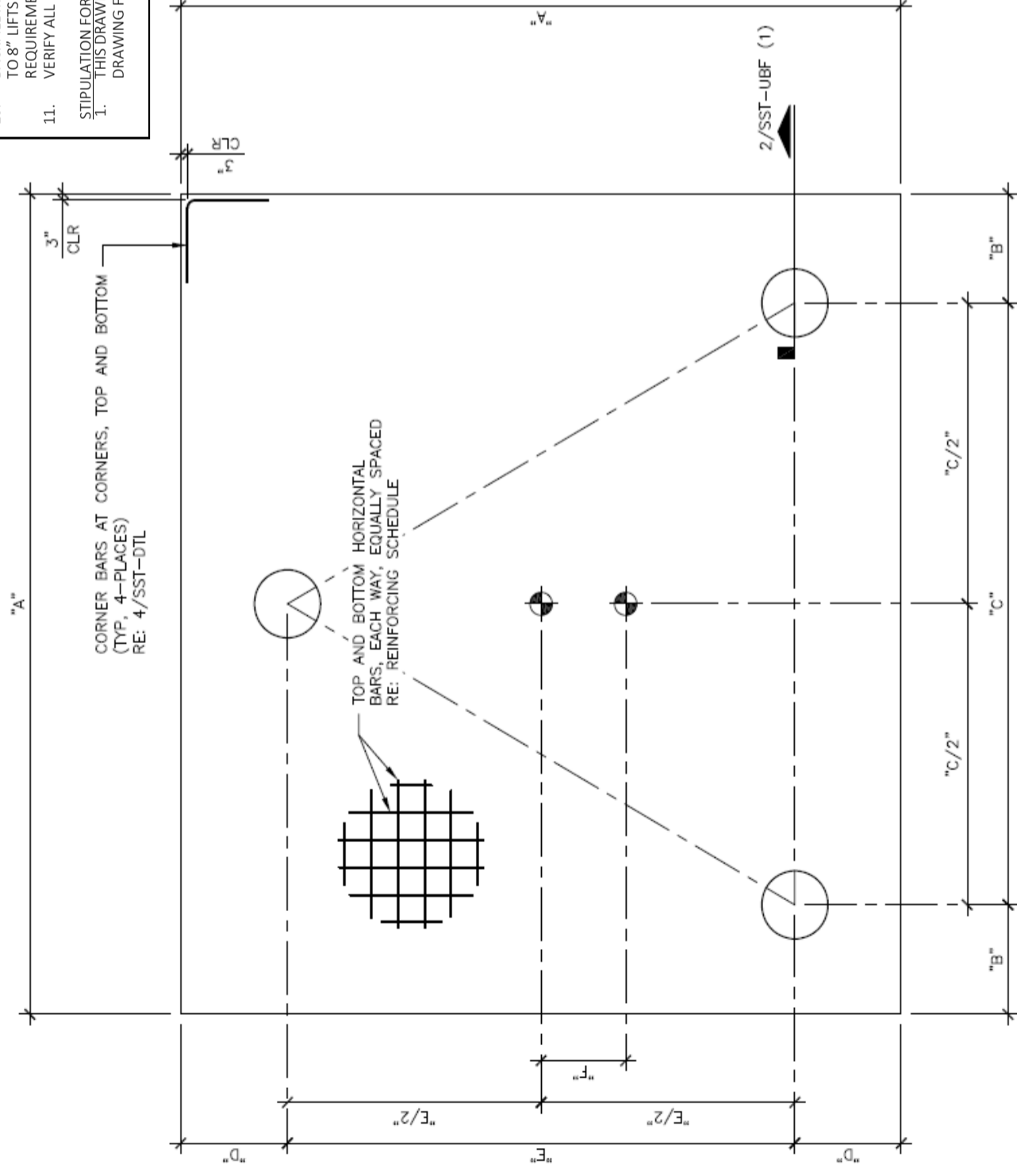
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SHEAR	62	KIPS
REACTIONS PER LEG		
COMPRESSION AXIAL	507	KIPS
COMPRESSION SHEAR	37	KIPS
UPLIFT AXIAL	436	KIPS
UPLIFT SHEAR	33	KIPS

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS WITH 90° BEND	# 8	39
HORIZONTAL TIES	# 4	42
HORIZONTAL U-BAR (PEDESTAL)	# 4	12
TOP HORIZONTAL BARS	# 8	72
BOTTOM HORIZONTAL BARS	# 8	72
CORNER BARS	# 4	8
VERTICAL U-BARS (PAD)	# 4	144

DIMENSIONING SCHEDULE	
A	33' 0"
B	4' 6"
C	24' 0"
D	6' 1.5-7/16"
E	20' 9-7/16"
F	3' 5-9/16"
J	0' 6"
K	6' 0"
L	2' 0"
MIN OVERLAP "M"	2' 3"
DIAMETER	3' 6"
AR PROJECTION	10 IN.





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(918) 587-4630



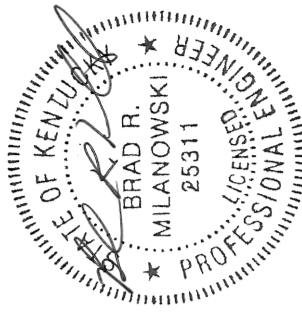
4020 TULL AVE. MUSKOGEE, OK 74403

ISSUED FOR:

REV	DATE	DESCRIPTION
0	03/13/24	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2024



3/14/24

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SITE NAME: EV DUNDEE
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CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: THARUN CHERIYAN, E.I.T.
CHECKED BY: BS

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

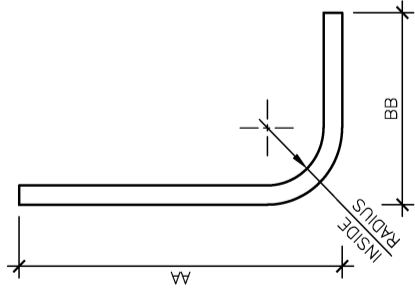
SST-DTL

REVISION:

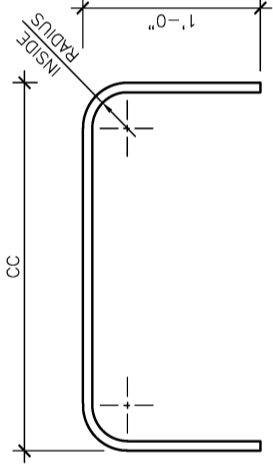
0

DIMENSIONING SCHEDULE	
AA*	5' 10"
BB	1' 3"
CC*	VARIES
DD*	1' 6"
EE	3' 0"

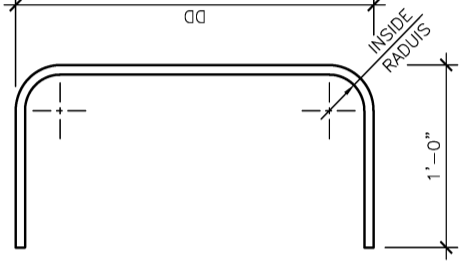
*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION



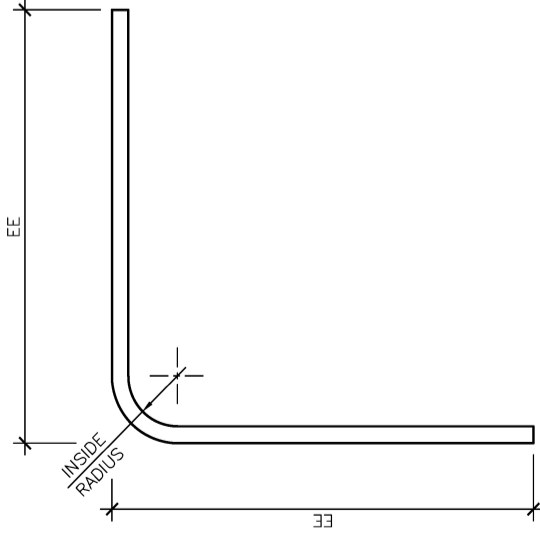
1 L-BAR
SCALE: N.T.S.



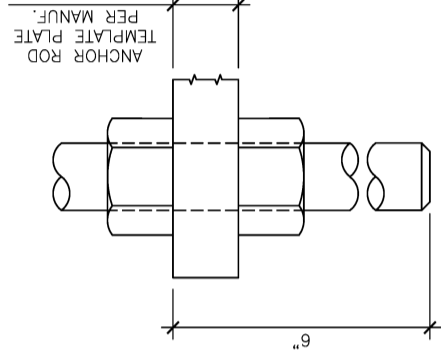
2 HORIZONTAL U-BAR
SCALE: N.T.S.



3 VERTICAL U-BAR
SCALE: N.T.S.



4 CORNER BAR
SCALE: N.T.S.



5 ANCHOR ROD DETAIL
SCALE: N.T.S.

Drilled Pier Foundation

Project # :	170098.001.01.0001
Site Name:	EV Dundee
Site Number:	A818
TIA-222 Revision:	H
Tower Type:	Self Support

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)		
Axial Force (kips)	507	436
Shear Force (kips)	37	33

Material Properties	
Concrete Strength, f'c:	4 ksi
Rebar Strength, Fy:	60 ksi
Tie Yield Strength, Fyt:	40 ksi

Pier Design Data	
Depth	32 ft
Ext. Above Grade	0.5 ft
Pier Section 1	
<i>From 0.5' above grade to 32' below grade</i>	
Pier Diameter	5 ft
Rebar Quantity	18
Rebar Size	8
Clear Cover to Ties	3 in
Tie Size	4
Tie Spacing	12 in

Analysis Results		
Soil Lateral Check		
D _{v=0} (ft from TOC)	14.48	Uplift
Soil Safety Factor	17.81	14.48
Max Moment (kip-ft)	334.27	19.97
Rating	7.5%	298.13
Soil Vertical Check		
Compression		
Skin Friction (kips)	435.90	Uplift
End Bearing (kips)	353.43	435.90
Weight of Concrete (kips)	82.51	-
Total Capacity (kips)	789.33	61.89
Axial (kips)	589.51	497.78
Rating	74.7%	436.00
Reinforced Concrete Flexure		
Compression		
Critical Depth (ft from TOC)	14.95	Uplift
Critical Moment (kip-ft)	333.89	12.51
Critical Moment Capacity	2339.25	292.33
Rating	14.3%	1067.35
Reinforced Concrete Shear		
Compression		
Critical Depth (ft from TOC)	25.22	Uplift
Critical Shear (kip)	36.97	0.00
Critical Shear Capacity	498.97	33.00
Rating	7.4%	207.10
Structural Foundation Rating		
27.4%		
Soil Interaction Rating		
87.6%		

Check Limitation	
Apply TIA-222-H Section 15.5:	<input type="checkbox"/>
N/A	<input type="checkbox"/>
Design Options	
Input Effective Depths (else Actual):	<input type="checkbox"/>
Consider non-tapered moment capacity:	<input type="checkbox"/>
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

Soil Profile

# of Layers	4
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Groundwater Depth	10
-------------------	----

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	100	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	10	7	110	150	1.5	15	0.825	0.825	1.00	1.00			Cohesive
3	10	24	14	47.6	87.6	1.5	30	0.825	0.825	1.00	1.00			Cohesive
4	24	32	8	62.6	87.6		30	1.561	1.561	2.00	2.00	24	50	Cohesionless

SST Unit Base Foundation

Project #:	170098.001.01.0001
Site Name:	EV Dundee
Site #:	A818

TIA-222 Revision:

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

Superstructure Analysis Reactions			
Global Moment, M :	9982	ft-kips	
Global Axial, P :	82	kips	
Global Shear, V :	62	kips	
Leg Compression, P_{comp} :	507	kips	
Leg Comp. Shear, V_{u,comp} :	37	kips	
Leg Uplift, P_{uplift} :	436	kips	
Leg Uplift. Shear, V_{u,uplift} :	33	kips	
Tower Height, H :	255	ft	
Base Face Width, BW :	24	ft	
BP Dist. Above Fdn, bp_{dist} :	3	in	

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
<i>Lateral (Sliding) (kips)</i>	1427.51	62.00	4.3%	Pass
<i>Bearing Pressure (ksf)</i>	5.63	3.70	65.7%	Pass
<i>Overturning (kip*ft)</i>	11850.66	10674.28	90.1%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	1258.40	166.50	13.2%	Pass
<i>Pier Flexure (Tension) (kip*ft)</i>	251.65	148.50	59.0%	Pass
<i>Pier Compression (kip)</i>	6123.66	514.79	8.4%	Pass
<i>Pad Flexure (kip*ft)</i>	2414.51	2129.56	88.2%	Pass
<i>Pad Shear - 1-way (kips)</i>	732.57	344.13	47.0%	Pass
<i>Pad Shear - Comp 2-way (ksi)</i>	0.190	0.140	73.7%	Pass
<i>Flexural 2-way (Comp) (kip*ft)</i>	1303.91	99.90	7.7%	Pass
<i>Pad Shear - Tension 2-way (ksi)</i>	0.190	0.141	74.1%	Pass
<i>Flexural 2-way (Tension) (kip*ft)</i>	1303.91	89.10	6.8%	Pass

Pier Properties			
Pier Shape:	Circular		
Pier Diameter, dpier :	3.5	ft	
Ext. Above Grade, E :	0.50	ft	
Pier Rebar Size, Sc :	8		
Pier Rebar Quantity, mc :	13		
Pier Tie/Spiral Size, St :	4		
Pier Tie/Spiral Quantity, mt :	14		
Pier Reinforcement Type:	Tie		
Pier Clear Cover, cc_{pier} :	3	in	

Structural Rating:	88.2%
Soil Rating:	90.1%

Pad Properties			
Depth, D :	6.00	ft	
Pad Width, W₁ :	33.00	ft	
Pad Thickness, T :	2.00	ft	
Pad Rebar Size (Bottom dir. 2), Sp₂ :	8		
Pad Rebar Quantity (Bottom dir. 2), mp₂ :	36		
Pad Clear Cover, cc_{pad} :	3	in	

Material Properties			
Rebar Grade, Fy :	60	ksi	
Concrete Compressive Strength, F'c :	4	ksi	
Dry Concrete Density, δc :	150	pcf	

Soil Properties			
Total Soil Unit Weight, γ :	110	pcf	
Ultimate Gross Bearing, Qult :	7.500	ksf	
Cohesion, Cu :	1.500	ksf	
Friction Angle, φ :		degrees	
SPT Blow Count, N_{blows} :			
Base Friction, μ :			
Neglected Depth, N :	3.0	ft	
Foundation Bearing on Rock?	No		
Groundwater Depth, gw :	N/A	ft	

<- Toggle between Gross and Net

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	1 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 255.000 ft above the ground line.

The base of the tower is set at an elevation of 0.000 ft above the ground line.

The face width of the tower is 4.875 ft at the top and 24.000 ft at the base.

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

The following design criteria apply:

Tower is located in Ohio County, Kentucky.

Tower base elevation above sea level: 417.000 ft.

Basic wind speed of 106 mph.

Risk Category II.

Exposure Category C.

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

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 1.500 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

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

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity..

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

Pressures are calculated at each section.

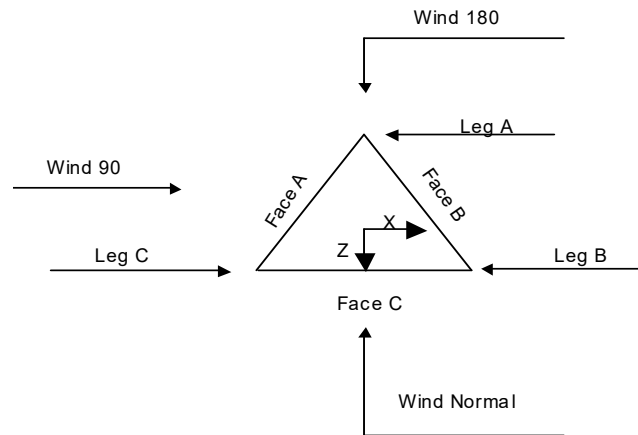
Stress ratio used in tower member design is 1.

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

Options

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In Member Capacity √ Leg Bolts Are At Top Of Section √ Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric Distribute Leg Loads As Uniform | <ul style="list-style-type: none"> Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurtenances Alternative Appurt. EPA Calculation Autocalc Torque Arm Areas Add IBC .6D+W Combination √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs Use ASCE 10 X-Brace Ly Rules | <ul style="list-style-type: none"> √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA √ SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque √ Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <div style="background-color: #e0e0e0; text-align: center; padding: 2px; margin: 5px 0;">Poles</div> <ul style="list-style-type: none"> Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|---|---|---|

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	Project 255' SST/37.55586944, -86.77393611	Date 17:18:33 03/13/24
	Client Tower Ventures	Designed by T. Cheriyan



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	<i>ft</i>			<i>ft</i>		<i>ft</i>
T1	255.000-240.000			4.875	1	15.000
T2	240.000-220.000			6.000	1	20.000
T3	220.000-200.000			7.500	1	20.000
T4	200.000-180.000			9.000	1	20.000
T5	180.000-160.000			10.500	1	20.000
T6	160.000-140.000			12.000	1	20.000
T7	140.000-120.000			13.500	1	20.000
T8	120.000-100.000			15.000	1	20.000
T9	100.000-80.000			16.500	1	20.000
T10	80.000-60.000			18.000	1	20.000
T11	60.000-40.000			19.500	1	20.000
T12	40.000-20.000			21.000	1	20.000
T13	20.000-0.000			22.500	1	20.000

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	<i>ft</i>	<i>ft</i>				<i>in</i>	<i>in</i>
T1	255.000-240.000	4.667	X Brace	No	No	6.000	6.000
T2	240.000-220.000	4.750	X Brace	No	No	6.000	6.000

<p>tnxTower</p> <p>B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	Job	ATS # A818 - EV Dundee	Page	3 of 34
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Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T3	220.000-200.000	4.750	X Brace	No	No	6.000	6.000
T4	200.000-180.000	4.750	X Brace	No	No	6.000	6.000
T5	180.000-160.000	4.750	X Brace	No	No	6.000	6.000
T6	160.000-140.000	4.750	X Brace	No	No	6.000	6.000
T7	140.000-120.000	4.750	X Brace	No	No	6.000	6.000
T8	120.000-100.000	4.750	X Brace	No	No	6.000	6.000
T9	100.000-80.000	4.750	X Brace	No	No	6.000	6.000
T10	80.000-60.000	4.750	Double K	No	Yes	6.000	6.000
T11	60.000-40.000	4.750	Double K	No	Yes	6.000	6.000
T12	40.000-20.000	4.750	Double K	No	Yes	6.000	6.000
T13	20.000-0.000	4.750	Double K	No	Yes	6.000	6.000

Tower Section Geometry (cont'd)

Tower Elevation	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
ft						
255.000-240.000	T1 Solid Round	1 3/4	A529-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
240.000-220.000	T2 Solid Round	2 1/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A36M-50 (50 ksi)
220.000-200.000	T3 Solid Round	2 3/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A36M-50 (50 ksi)
200.000-180.000	T4 Solid Round	3	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
180.000-160.000	T5 Solid Round	3	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
160.000-140.000	T6 Solid Round	3 1/4	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
140.000-120.000	T7 Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A36M-50 (50 ksi)
120.000-100.000	T8 Solid Round	3 3/4	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A36M-50 (50 ksi)
100.000-80.000	T9 Solid Round	3 3/4	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A36M-50 (50 ksi)
80.000-60.000	T10 Solid Round	4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
60.000-40.000	T11 Solid Round	4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
40.000-20.000	T12 Solid Round	4 1/4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
20.000-0.000	T13 Solid Round	4 1/4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
ft						
255.000-240.000	T1 Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)	Solid Round		A36M-50 (50 ksi)

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Tower Section Geometry (cont'd)

Tower Elevation	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
ft							
T10 80.000-60.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L1 3/4x1 3/4x3/16x3/8	A36M-50 (50 ksi)
T11 60.000-40.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2x2x3/16x3/8	A36M-50 (50 ksi)
T12 40.000-20.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2x2x3/16x3/8	A36M-50 (50 ksi)
T13 20.000-0.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
ft						
T10 80.000-60.000	Solid Round		A36M-50 (50 ksi)	Single Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
T11 60.000-40.000	Solid Round		A36M-50 (50 ksi)	Single Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
T12 40.000-20.000	Solid Round		A36M-50 (50 ksi)	Single Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
T13 20.000-0.000	Solid Round		A36M-50 (50 ksi)	Single Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft ²	in					in	in	in
T1 255.000-240.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T2 240.000-220.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T3 220.000-200.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T4 200.000-180.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000

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Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T11 60.000-40.000	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T12 40.000-20.000	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T13 20.000-0.000	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 255.000-240.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T2 240.000-220.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T3 220.000-200.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T4 200.000-180.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T5 180.000-160.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)

Job	ATS # A818 - EV Dundee	Page	8 of 34
Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
Client	Tower Ventures	Designed by	T. Cheriyan

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T6 160.000-140.000	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
T7 140.000-120.000	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
T8 120.000-100.000	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
T9 100.000-80.000	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
T10 80.000-60.000	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
T11 60.000-40.000	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	9 of 34	
	Project	255' SST/37.55586944, -86.77393611		Date	17:18:33 03/13/24
	Client	Tower Ventures		Designed by	T. Cheriyan

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T12 40.000-20.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T13 20.000-0.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 255.000-240.000	Flange	0.000 A325N	0	0.625 A325X	1	0.625 A325X	1	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T2 240.000-220.000	Flange	0.750 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T3 220.000-200.000	Flange	0.750 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T4 200.000-180.000	Flange	1.000 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T5 180.000-160.000	Flange	1.000 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T6 160.000-140.000	Flange	1.000 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0

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	Client	Tower Ventures		Designed by	T. Cheriyan

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T7 140.000-120.000	Flange	1.000 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T8 120.000-100.000	Flange	1.250 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T9 100.000-80.000	Flange	1.250 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.000 A325X	0	0.625 A325N	0
T10 80.000-60.000	Flange	1.250 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.625 A325X	1	0.625 A325N	0
T11 60.000-40.000	Flange	1.250 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.625 A325X	1	0.625 A325N	0
T12 40.000-20.000	Flange	1.250 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.625 A325X	1	0.625 A325N	0
T13 20.000-0.000	Flange	1.250 A325N	6	0.625 A325X	1	0.000 A325X	0	0.000 A325X	0	0.625 A325N	0	0.625 A325X	1	0.625 A325N	0

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight klf
1-58" Coax (Carrier 1 (VZW)) **	C	No	No	Ar (CaAa)	250.000 - 10.000	0.000	0	12	6	0.750	1.980		0.001
1-58" Coax (Carrier 2) **	B	No	No	Ar (CaAa)	238.000 - 10.000	0.000	0	12	6	0.750	1.980		0.001
1-58" Coax (Carrier 3) **	A	No	No	Ar (CaAa)	226.000 - 10.000	0.000	0	12	6	0.750	1.980		0.001
1-58" Coax (Carrier 4) **	C	No	No	Ar (CaAa)	200.000 - 10.000	0.000	-0.3	1	1	0.750	1.980		0.001
Safety Line 3/8	A	No	No	Ar (CaAa)	255.000 - 10.000	0.000	0.45	1	1	0.375	0.375		0.000
Strobe Cable **	A	No	No	Ar (CaAa)	255.000 - 10.000	0.000	-0.45	1	1	1.250	1.250		0.001
Feedline Ladder (Af) **	C	No	No	Af (CaAa)	250.000 - 10.000	0.000	0.3	1	1	3.000	0.250		0.008
Feedline Ladder (Af)	B	No	No	Af (CaAa)	238.000 - 10.000	0.000	0.3	1	1	3.000	0.250		0.008
Feedline Ladder (Af) **	A	No	No	Af (CaAa)	226.000 - 10.000	0.000	0.3	1	1	3.000	0.250		0.008

Feed Line/Linear Appurtenances - Entered As Area

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	Client	Tower Ventures	Designed by	T. Cheriyan

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight klf
**								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
T1	255.000-240.000	A	0.000	0.000	2.438	0.000	0.014
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	24.177	0.000	0.182
T2	240.000-220.000	A	0.000	0.000	17.756	0.000	0.128
		B	0.000	0.000	43.518	0.000	0.328
		C	0.000	0.000	48.353	0.000	0.365
T3	220.000-200.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T4	200.000-180.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T5	180.000-160.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T6	160.000-140.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T7	140.000-120.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T8	120.000-100.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T9	100.000-80.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T10	80.000-60.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T11	60.000-40.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T12	40.000-20.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	52.313	0.000	0.381
T13	20.000-0.000	A	0.000	0.000	25.802	0.000	0.192
		B	0.000	0.000	24.177	0.000	0.182
		C	0.000	0.000	26.157	0.000	0.191

Feed Line/Linear Appurtenances Section Areas - With Ice

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	<p>Project</p> <p>255' SST/37.55586944, -86.77393611</p>	<p>Date</p> <p>17:18:33 03/13/24</p>
	<p>Client</p> <p>Tower Ventures</p>	<p>Designed by</p> <p>T. Cheriyan</p>

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
T1	255.000-240.000	A	1.835	0.000	0.000	13.447	0.000	0.192
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	30.387	0.000	0.723
T2	240.000-220.000	A	1.821	0.000	0.000	36.011	0.000	0.684
		B		0.000	0.000	54.569	0.000	1.294
		C		0.000	0.000	60.632	0.000	1.438
T3	220.000-200.000	A	1.805	0.000	0.000	78.147	0.000	1.679
		B		0.000	0.000	60.457	0.000	1.429
		C		0.000	0.000	60.457	0.000	1.429
T4	200.000-180.000	A	1.787	0.000	0.000	77.813	0.000	1.665
		B		0.000	0.000	60.267	0.000	1.420
		C		0.000	0.000	71.375	0.000	1.601
T5	180.000-160.000	A	1.767	0.000	0.000	77.446	0.000	1.651
		B		0.000	0.000	60.058	0.000	1.409
		C		0.000	0.000	71.087	0.000	1.588
T6	160.000-140.000	A	1.745	0.000	0.000	77.038	0.000	1.634
		B		0.000	0.000	59.826	0.000	1.398
		C		0.000	0.000	70.767	0.000	1.573
T7	140.000-120.000	A	1.720	0.000	0.000	76.577	0.000	1.616
		B		0.000	0.000	59.564	0.000	1.385
		C		0.000	0.000	70.406	0.000	1.557
T8	120.000-100.000	A	1.692	0.000	0.000	76.048	0.000	1.595
		B		0.000	0.000	59.263	0.000	1.370
		C		0.000	0.000	69.991	0.000	1.538
T9	100.000-80.000	A	1.658	0.000	0.000	75.425	0.000	1.571
		B		0.000	0.000	58.908	0.000	1.352
		C		0.000	0.000	69.502	0.000	1.516
T10	80.000-60.000	A	1.617	0.000	0.000	74.661	0.000	1.542
		B		0.000	0.000	58.474	0.000	1.331
		C		0.000	0.000	68.903	0.000	1.490
T11	60.000-40.000	A	1.564	0.000	0.000	73.669	0.000	1.504
		B		0.000	0.000	57.910	0.000	1.304
		C		0.000	0.000	68.124	0.000	1.456
T12	40.000-20.000	A	1.486	0.000	0.000	72.226	0.000	1.450
		B		0.000	0.000	57.089	0.000	1.265
		C		0.000	0.000	66.992	0.000	1.407
T13	20.000-0.000	A	1.331	0.000	0.000	34.681	0.000	0.673
		B		0.000	0.000	27.732	0.000	0.595
		C		0.000	0.000	32.374	0.000	0.657

Feed Line Center of Pressure

Section	Elevation ft	CP _X in	CP _Z in	CP _X Ice in	CP _Z Ice in
T1	255.000-240.000	-1.006	3.077	-2.585	1.983
T2	240.000-220.000	1.110	-1.457	-0.046	-0.432
T3	220.000-200.000	-0.694	-3.912	-1.666	-2.905
T4	200.000-180.000	0.019	-3.161	-0.535	-1.798
T5	180.000-160.000	0.022	-3.418	-0.577	-1.960
T6	160.000-140.000	0.024	-3.618	-0.611	-2.100
T7	140.000-120.000	0.024	-3.524	-0.615	-2.152
T8	120.000-100.000	0.026	-3.659	-0.636	-2.263
T9	100.000-80.000	0.027	-3.800	-0.654	-2.375
T10	80.000-60.000	0.036	-4.884	-0.781	-2.873
T11	60.000-40.000	0.037	-5.022	-0.790	-3.010
T12	40.000-20.000	0.039	-5.168	-0.790	-3.167

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	13 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
T13	20.000-0.000	0.023	-3.077	-0.441	-2.001

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	1	1-58" Coax	240.00 - 250.00	0.6000	0.6000
T1	9	Safety Line 3/8	240.00 - 255.00	0.6000	0.6000
T1	10	Strobe Cable	240.00 - 255.00	0.6000	0.6000
T1	12	Feedline Ladder (Af)	240.00 - 250.00	0.6000	0.6000
T2	1	1-58" Coax	220.00 - 240.00	0.6000	0.6000
T2	3	1-58" Coax	220.00 - 238.00	0.6000	0.6000
T2	5	1-58" Coax	220.00 - 226.00	0.6000	0.6000
T2	9	Safety Line 3/8	220.00 - 240.00	0.6000	0.6000
T2	10	Strobe Cable	220.00 - 240.00	0.6000	0.6000
T2	12	Feedline Ladder (Af)	220.00 - 240.00	0.6000	0.6000
T2	13	Feedline Ladder (Af)	220.00 - 238.00	0.6000	0.6000
T2	14	Feedline Ladder (Af)	220.00 - 226.00	0.6000	0.6000
T3	1	1-58" Coax	200.00 - 220.00	0.6000	0.6000
T3	3	1-58" Coax	200.00 - 220.00	0.6000	0.6000
T3	5	1-58" Coax	200.00 - 220.00	0.6000	0.6000
T3	9	Safety Line 3/8	200.00 - 220.00	0.6000	0.6000
T3	10	Strobe Cable	200.00 - 220.00	0.6000	0.6000
T3	12	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.6000
T3	13	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.6000
T3	14	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.6000
T4	1	1-58" Coax	180.00 - 200.00	0.6000	0.6000
T4	3	1-58" Coax	180.00 - 200.00	0.6000	0.6000
T4	5	1-58" Coax	180.00 - 200.00	0.6000	0.6000
T4	7	1-58" Coax	180.00 - 200.00	0.6000	0.6000
T4	9	Safety Line 3/8	180.00 -	0.6000	0.6000

tnxTower

B+T Group
 1717 S Boulder Ave, Suite 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Job	ATS # A818 - EV Dundee	Page	14 of 34
Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
Client	Tower Ventures	Designed by	T. Cheriyan

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			200.00		
T4	10	Strobe Cable	180.00 - 200.00	0.6000	0.6000
T4	12	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T4	13	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T4	14	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T5	1	1-58" Coax	160.00 - 180.00	0.6000	0.6000
T5	3	1-58" Coax	160.00 - 180.00	0.6000	0.6000
T5	5	1-58" Coax	160.00 - 180.00	0.6000	0.6000
T5	7	1-58" Coax	160.00 - 180.00	0.6000	0.6000
T5	9	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T5	10	Strobe Cable	160.00 - 180.00	0.6000	0.6000
T5	12	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T5	13	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T5	14	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T6	1	1-58" Coax	140.00 - 160.00	0.6000	0.6000
T6	3	1-58" Coax	140.00 - 160.00	0.6000	0.6000
T6	5	1-58" Coax	140.00 - 160.00	0.6000	0.6000
T6	7	1-58" Coax	140.00 - 160.00	0.6000	0.6000
T6	9	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T6	10	Strobe Cable	140.00 - 160.00	0.6000	0.6000
T6	12	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T6	13	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T6	14	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T7	1	1-58" Coax	120.00 - 140.00	0.6000	0.6000
T7	3	1-58" Coax	120.00 - 140.00	0.6000	0.6000
T7	5	1-58" Coax	120.00 - 140.00	0.6000	0.6000
T7	7	1-58" Coax	120.00 - 140.00	0.6000	0.6000
T7	9	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T7	10	Strobe Cable	120.00 - 140.00	0.6000	0.6000
T7	12	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T7	13	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T7	14	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000

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Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
Client	Tower Ventures	Designed by	T. Cheriyan

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
			140.00		
T8	1	1-58" Coax	100.00 - 120.00	0.6000	0.6000
T8	3	1-58" Coax	100.00 - 120.00	0.6000	0.6000
T8	5	1-58" Coax	100.00 - 120.00	0.6000	0.6000
T8	7	1-58" Coax	100.00 - 120.00	0.6000	0.6000
T8	9	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T8	10	Strobe Cable	100.00 - 120.00	0.6000	0.6000
T8	12	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T8	13	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T8	14	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T9	1	1-58" Coax	80.00 - 100.00	0.6000	0.6000
T9	3	1-58" Coax	80.00 - 100.00	0.6000	0.6000
T9	5	1-58" Coax	80.00 - 100.00	0.6000	0.6000
T9	7	1-58" Coax	80.00 - 100.00	0.6000	0.6000
T9	9	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T9	10	Strobe Cable	80.00 - 100.00	0.6000	0.6000
T9	12	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T9	13	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T9	14	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T10	1	1-58" Coax	60.00 - 80.00	0.6000	0.6000
T10	3	1-58" Coax	60.00 - 80.00	0.6000	0.6000
T10	5	1-58" Coax	60.00 - 80.00	0.6000	0.6000
T10	7	1-58" Coax	60.00 - 80.00	0.6000	0.6000
T10	9	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T10	10	Strobe Cable	60.00 - 80.00	0.6000	0.6000
T10	12	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T10	13	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T10	14	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T11	1	1-58" Coax	40.00 - 60.00	0.6000	0.6000
T11	3	1-58" Coax	40.00 - 60.00	0.6000	0.6000
T11	5	1-58" Coax	40.00 - 60.00	0.6000	0.6000
T11	7	1-58" Coax	40.00 - 60.00	0.6000	0.6000
T11	9	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T11	10	Strobe Cable	40.00 - 60.00	0.6000	0.6000
T11	12	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T11	13	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T11	14	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T12	1	1-58" Coax	20.00 - 40.00	0.6000	0.6000
T12	3	1-58" Coax	20.00 - 40.00	0.6000	0.6000
T12	5	1-58" Coax	20.00 - 40.00	0.6000	0.6000
T12	7	1-58" Coax	20.00 - 40.00	0.6000	0.6000
T12	9	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T12	10	Strobe Cable	20.00 - 40.00	0.6000	0.6000
T12	12	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T12	13	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T12	14	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T13	1	1-58" Coax	10.00 - 20.00	0.6000	0.6000
T13	3	1-58" Coax	10.00 - 20.00	0.6000	0.6000
T13	5	1-58" Coax	10.00 - 20.00	0.6000	0.6000
T13	7	1-58" Coax	10.00 - 20.00	0.6000	0.6000
T13	9	Safety Line 3/8	10.00 - 20.00	0.6000	0.6000
T13	10	Strobe Cable	10.00 - 20.00	0.6000	0.6000
T13	12	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000

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	Client Tower Ventures	Designed by T. Cheriyan

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T13	13	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000
T13	14	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K	
Lightning Rod 1"x10'	C	From Leg	0.000	0.000	255.000	No Ice	1.000	1.000	0.040
			0.000			1/2" Ice	2.017	2.017	0.049
			5.000			1" Ice	3.050	3.050	0.065
						2" Ice	5.148	5.148	0.116
Top Beacon	B	From Leg	0.000	0.000	255.000	No Ice	2.700	2.700	0.050
			0.000			1/2" Ice	3.100	3.100	0.070
			1.000			1" Ice	3.500	3.500	0.090
						2" Ice	4.300	4.300	0.130
**									
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1 (VZW))	A	From Leg	4.000	0.000	250.000	No Ice	97.220	65.137	0.700
			0.000			1/2" Ice	121.527	81.421	1.400
			0.000			1" Ice	145.834	97.705	2.100
						2" Ice	194.448	130.273	3.500
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1 (VZW))	B	From Leg	4.000	0.000	250.000	No Ice	97.220	65.137	0.700
			0.000			1/2" Ice	121.527	81.421	1.400
			0.000			1" Ice	145.834	97.705	2.100
						2" Ice	194.448	130.273	3.500
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1 (VZW))	C	From Leg	4.000	0.000	250.000	No Ice	97.220	65.137	0.700
			0.000			1/2" Ice	121.527	81.421	1.400
			0.000			1" Ice	145.834	97.705	2.100
						2" Ice	194.448	130.273	3.500
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	A	From Leg	2.000	0.000	250.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	B	From Leg	2.000	0.000	250.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
PV SFA-ENG-01-R7 Mount (1) (Carrier 1 (VZW))	C	From Leg	2.000	0.000	250.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	A	From Leg	4.000	0.000	238.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
						2" Ice	138.880	93.050	3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	B	From Leg	4.000	0.000	238.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
						2" Ice	138.880	93.050	3.500
Sector3(CaAa=10000	C	From Leg	4.000	0.000	238.000	No Ice	69.440	46.525	0.700

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	17 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	CAAA Front	CAAA Side	Weight
			Horz	Vert					
			ft	ft	°	ft	ft ²	ft ²	K
Sq.in)No Ice (Carrier 2)			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
						2" Ice	138.880	93.050	3.500
PV-SFA Sector Mount (1) (Carrier 2)	A	From Leg	2.000		0.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
PV-SFA Sector Mount (1) (Carrier 2)	B	From Leg	2.000		0.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
PV-SFA Sector Mount (1) (Carrier 2)	C	From Leg	2.000		0.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	A	From Leg	4.000		0.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
						2" Ice	138.880	93.050	3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	B	From Leg	4.000		0.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
						2" Ice	138.880	93.050	3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	C	From Leg	4.000		0.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
						2" Ice	138.880	93.050	3.500
PV-SFA Sector Mount (1) (Carrier 3)	A	From Leg	2.000		0.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
PV-SFA Sector Mount (1) (Carrier 3)	B	From Leg	2.000		0.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
PV-SFA Sector Mount (1) (Carrier 3)	C	From Leg	2.000		0.000	No Ice	13.000	13.000	0.592
			0.000			1/2" Ice	15.100	15.100	0.886
			0.000			1" Ice	17.200	17.200	1.259
						2" Ice	21.400	21.400	2.230
**									
4-1/2" OD Dish Mount (Carrier 4)	C	From Leg	0.500		0.000	No Ice	1.881	1.881	0.057
			0.000			1/2" Ice	2.207	2.207	0.074
			0.000			1" Ice	2.543	2.543	0.094
						2" Ice	3.241	3.241	0.148
**									

Dishes

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	Client	Tower Ventures	Designed by	T. Cheriyan

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight K
6' MW Dish (Carrier 4)	C	Paraboloid w/o Radome	From Leg	1.000 0.000 0.000	0.000		200.000	6.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.143 0.292 0.441 0.740
**										

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service

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	Client	Tower Ventures	Designed by	T. Cheriyan

Comb. No.	Description
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	255 - 240	Leg	Max Tension	15	14.738	0.608	-0.002
			Max. Compression	2	-17.964	0.923	-0.000
			Max. Mx	14	14.343	-0.936	0.000
			Max. My	18	6.107	-0.492	0.639
			Max. Vy	2	-3.178	0.923	-0.000
			Max. Vx	10	2.123	-0.091	-0.160
		Diagonal	Max Tension	8	4.154	0.000	0.000
			Max. Compression	8	-4.224	0.000	0.000
			Max. Mx	38	0.184	0.020	-0.002
			Max. My	8	-3.854	-0.001	-0.010
			Max. Vy	32	0.023	0.018	0.002
			Max. Vx	8	0.003	0.000	0.000
		Top Girt	Max Tension	23	0.425	0.000	0.000
			Max. Compression	11	-0.463	0.000	0.000
			Max. Mx	26	0.002	-0.037	0.000
			Max. My	36	0.057	0.000	0.001
Max. Vy	26		0.030	0.000	0.000		
Max. Vx	36		0.001	0.000	0.000		
T2	240 - 220	Leg	Max Tension	15	60.245	2.819	-0.006
			Max. Compression	2	-70.635	1.386	-0.010
			Max. Mx	2	-70.630	-3.391	0.003
			Max. My	18	8.201	-1.302	1.539
			Max. Vy	2	-9.547	1.386	-0.010
			Max. Vx	6	3.254	0.626	-0.588
		Diagonal	Max Tension	4	9.484	0.000	0.000
			Max. Compression	4	-8.837	0.000	0.000
			Max. Mx	2	-0.824	0.048	-0.002
			Max. My	20	-8.806	-0.011	0.049
			Max. Vy	28	-0.031	0.032	0.002
			Max. Vx	20	-0.012	0.000	0.000
T3	220 - 200	Leg	Max Tension	15	109.592	3.164	0.047
			Max. Compression	2	-123.392	0.729	-0.134
			Max. Mx	2	-70.658	6.126	-0.022
			Max. My	6	-37.616	2.842	-2.208
			Max. Vy	2	-9.474	6.126	-0.022
			Max. Vx	6	3.238	2.842	-2.208
		Diagonal	Max Tension	4	9.002	0.000	0.000
			Max. Compression	4	-9.656	0.000	0.000
			Max. Mx	37	1.010	0.038	-0.003
			Max. My	8	-9.591	-0.002	-0.021
			Max. Vy	32	0.037	0.037	0.004
			Max. Vx	8	0.005	0.000	0.000
T4	200 - 180	Leg	Max Tension	15	152.426	3.854	0.091
			Max. Compression	2	-170.805	0.090	-0.009
			Max. Mx	2	-123.400	5.578	0.068
			Max. My	22	-66.414	2.523	2.066
			Max. Vy	2	-10.305	0.090	-0.009
			Max. Vx	22	-3.617	0.040	0.083
		Diagonal	Max Tension	20	8.937	0.000	0.000

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	20 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T5	180 - 160	Leg	Max. Compression	16	-9.310	0.000	0.000	
			Max. Mx	37	1.107	0.059	-0.005	
			Max. My	20	-9.227	-0.007	0.025	
			Max. Vy	32	0.050	0.058	0.006	
			Max. Vx	20	-0.005	0.000	0.000	
			Max Tension	7	191.140	3.538	0.021	
			Max. Compression	2	-213.345	0.881	0.015	
		Diagonal	Max. Mx	2	-170.820	5.244	0.141	
			Max. My	22	-89.308	2.323	1.892	
			Max. Vy	2	-11.098	0.881	0.015	
			Max. Vx	4	3.666	0.013	-0.353	
			Max Tension	20	8.768	0.000	0.000	
			Max. Compression	20	-8.981	0.000	0.000	
			Max. Mx	34	1.423	0.073	0.006	
T6	160 - 140	Leg	Max. My	20	-8.906	-0.005	0.021	
			Max. Vy	34	0.057	0.073	-0.007	
			Max. Vx	20	-0.004	0.000	0.000	
			Max Tension	7	226.849	3.759	0.022	
			Max. Compression	2	-253.306	0.953	0.018	
			Max. Mx	2	-213.365	6.403	0.142	
			Max. My	4	-12.338	0.123	-2.188	
		Diagonal	Max. Vy	2	-11.752	0.953	0.018	
			Max. Vx	4	3.854	0.015	-0.443	
			Max Tension	20	8.843	0.000	0.000	
			Max. Compression	20	-9.125	0.000	0.000	
			Max. Mx	34	0.295	0.089	-0.009	
			Max. My	20	-9.033	0.002	0.018	
			Max. Vy	34	0.063	0.089	-0.009	
T7	140 - 120	Leg	Max. Vx	20	-0.003	0.000	0.000	
			Max Tension	7	260.503	4.179	0.025	
			Max. Compression	2	-291.950	0.912	0.013	
			Max. Mx	2	-253.328	6.803	0.125	
			Max. My	4	-14.809	0.127	-2.372	
			Max. Vy	2	-12.668	0.912	0.013	
			Max. Vx	4	4.132	0.014	-0.402	
		Diagonal	Max Tension	20	9.262	0.000	0.000	
			Max. Compression	20	-9.344	0.000	0.000	
			Max. Mx	34	0.296	0.123	-0.012	
			Max. My	20	-9.212	0.004	0.017	
			Max. Vy	34	0.079	0.123	-0.012	
			Max. Vx	31	-0.003	0.000	0.000	
			Max Tension	7	292.990	4.972	0.028	
T8	120 - 100	Leg	Max. Compression	2	-330.024	0.346	0.011	
			Max. Mx	2	-291.975	7.226	0.106	
			Max. My	4	-17.331	0.133	-2.471	
			Max. Vy	2	-13.710	0.346	0.011	
			Max. Vx	4	4.513	0.006	-0.360	
			Max Tension	20	9.818	0.000	0.000	
			Max. Compression	20	-9.701	0.000	0.000	
		Diagonal	Max. Mx	34	0.328	0.144	-0.014	
			Max. My	20	-9.543	0.015	0.014	
			Max. Vy	34	0.086	0.144	-0.014	
			Max. Vx	31	-0.003	0.000	0.000	
			Max Tension	7	324.338	4.789	0.025	
			Max. Compression	2	-367.647	0.815	0.026	
			Max. Mx	2	-330.047	7.194	0.094	
T9	100 - 80	Leg	Max. My	4	-19.880	0.129	-2.620	
			Max. Vy	2	-14.406	0.815	0.026	
			Max. Vx	4	5.263	-0.011	-0.972	
			Max Tension	20	10.307	0.000	0.000	
			Max. Compression	20	-10.266	0.000	0.000	
			Diagonal	Max. Mx	34	0.328	0.144	-0.014
				Max. My	20	-9.543	0.015	0.014
		Max. Vy		34	0.086	0.144	-0.014	
		Max. Vx		31	-0.003	0.000	0.000	
		Max Tension		7	324.338	4.789	0.025	
		Max. Compression		2	-367.647	0.815	0.026	
		Max. Mx		2	-330.047	7.194	0.094	

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	Client	Tower Ventures	Designed by	T. Cheriyan

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft		
T10	80 - 60	Leg	Max. Mx	35	1.051	0.184	0.016		
			Max. My	20	-9.973	0.039	0.019		
			Max. Vy	34	0.099	0.173	-0.017		
			Max. Vx	36	0.004	0.000	0.000		
			Max Tension	7	354.767	6.152	0.033		
			Max. Compression	2	-404.747	-0.517	0.010		
			Max. Mx	2	-404.721	-8.039	-0.061		
			Max. My	4	-22.601	0.131	-3.606		
			Max. Vy	2	-15.033	-0.517	0.010		
			Max. Vx	4	5.339	-0.022	-0.442		
			Max Tension	21	11.533	0.000	0.000		
			Max. Compression	20	-11.653	0.000	0.000		
		Diagonal	Max. Mx	34	1.547	0.279	0.000		
			Max. My	31	-0.130	0.000	-0.007		
			Max. Vy	34	-0.103	0.000	0.000		
			Max. Vx	31	0.003	0.000	0.000		
			Max Tension	10	1.661	-0.058	0.000		
			Max. Compression	8	-1.738	0.000	0.000		
			Horizontal	Max. Mx	33	0.162	-0.179	0.003	
				Max. My	6	0.654	-0.049	0.005	
				Max. Vy	33	0.095	-0.179	0.003	
				Max. Vx	35	-0.002	-0.179	0.004	
				Max Tension	1	0.000	0.000	0.000	
				Max. Compression	33	-0.010	0.000	0.000	
Inner Bracing	Max. Mx	26		-0.009	-0.121	0.000			
	Max. My	2		-0.004	0.000	-0.000			
	Max. Vy	26		-0.051	0.000	0.000			
	Max. Vx	2		0.000	0.000	0.000			
	T11	60 - 40		Leg	Max Tension	7	383.608	5.841	0.031
					Max. Compression	2	-440.381	0.239	0.014
			Max. Mx		2	-440.355	-7.689	-0.049	
			Max. My		4	-25.371	0.103	-3.115	
			Max. Vy		2	-15.844	0.239	0.014	
			Max. Vx		4	5.409	-0.004	-0.701	
			Diagonal	Max Tension	21	11.552	0.000	0.000	
				Max. Compression	21	-11.542	0.000	0.000	
Max. Mx				34	1.583	0.311	0.000		
Max. My				31	-0.048	0.000	-0.007		
Max. Vy				34	-0.108	0.000	0.000		
Max. Vx				31	0.003	0.000	0.000		
Horizontal	Max Tension	10	1.577	-0.078	0.001				
	Max. Compression	7	-1.562	-0.058	0.002				
	Max. Mx	27	0.021	-0.220	0.005				
	Max. My	29	0.136	-0.217	0.005				
	Max. Vy	27	-0.110	-0.220	0.005				
	Max. Vx	27	-0.002	-0.220	0.005				
Inner Bracing	Max Tension	1	0.000	0.000	0.000				
	Max. Compression	33	-0.011	0.000	0.000				
	Max. Mx	26	-0.010	-0.136	0.000				
	Max. My	2	-0.005	0.000	-0.000				
	Max. Vy	26	0.053	0.000	0.000				
	Max. Vx	2	0.000	0.000	0.000				
T12	40 - 20	Leg	Max Tension	7	411.262	6.683	0.035		
			Max. Compression	2	-475.181	-0.532	0.007		
			Max. Mx	2	-475.152	-8.824	-0.050		
			Max. My	4	-28.170	0.115	-3.408		
			Max. Vy	2	-16.571	-0.532	0.007		
			Max. Vx	4	5.413	0.115	-3.408		
		Diagonal	Max Tension	21	11.803	0.000	0.000		
			Max. Compression	20	-11.879	0.000	0.000		
			Max. Mx	34	1.784	0.339	0.000		

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	Client	Tower Ventures	Designed by	T. Cheriyan

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T13	20 - 0	Horizontal	Max. My	31	0.182	0.000	-0.008
			Max. Vy	34	0.111	0.000	0.000
			Max. Vx	31	-0.003	0.000	0.000
			Max Tension	10	1.836	-0.090	0.001
			Max. Compression	7	-1.694	-0.066	0.002
			Max. Mx	27	-0.055	-0.244	0.005
			Max. My	29	0.109	-0.243	0.006
			Max. Vy	33	-0.113	-0.240	0.005
			Max. Vx	27	-0.002	-0.240	0.005
			Max Tension	1	0.000	0.000	0.000
		Inner Bracing	Max. Compression	29	-0.011	0.000	0.000
			Max. Mx	26	-0.010	-0.149	0.000
			Max. My	2	-0.005	0.000	-0.000
			Max. Vy	26	0.054	0.000	0.000
			Max. Vx	2	0.000	0.000	0.000
			Max Tension	7	437.493	6.473	0.035
			Max. Compression	2	-508.383	0.000	-0.000
			Max. Mx	2	-508.354	-8.656	-0.052
			Max. My	5	-24.899	0.090	-3.100
			Max. Vy	2	-17.297	0.000	-0.000
		Diagonal	Max. Vx	4	5.415	0.109	-3.100
			Max Tension	21	11.736	0.000	0.000
			Max. Compression	20	-12.002	0.000	0.000
			Max. Mx	27	2.016	0.352	0.000
			Max. My	27	0.692	0.000	0.008
			Max. Vy	27	-0.109	0.000	0.000
			Max. Vx	27	0.003	0.000	0.000
			Max Tension	10	1.805	-0.131	0.002
			Max. Compression	7	-1.684	-0.092	0.003
			Max. Mx	27	-0.083	-0.326	0.007
		Horizontal	Max. My	29	0.101	-0.323	0.008
			Max. Vy	27	0.133	-0.326	0.007
			Max. Vx	29	0.003	-0.323	0.008
			Max Tension	1	0.000	0.000	0.000
			Inner Bracing	Max. Compression	29	-0.011	0.000
Max. Mx	35			-0.010	-0.152	0.000	
Max. My	35			-0.010	0.000	-0.000	
Max. Vy	35			0.051	0.000	0.000	
Max. Vx	35			0.000	0.000	0.000	

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	18	505.072	31.914	-18.339
	Max. H _x	18	505.072	31.914	-18.339
	Max. H _z	5	-384.590	-24.415	16.865
	Min. Vert	7	-436.384	-28.992	16.642
	Min. H _x	7	-436.384	-28.992	16.642
	Min. H _z	18	505.072	31.914	-18.339
Leg B	Max. Vert	10	502.247	-31.832	-18.185
	Max. H _x	23	-426.365	28.491	16.233
	Max. H _z	25	-372.219	23.760	16.413
	Min. Vert	23	-426.365	28.491	16.233
	Min. H _x	10	502.247	-31.832	-18.185
	Min. H _z	10	502.247	-31.832	-18.185

<p>tnxTower</p> <p>B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	Job	ATS # A818 - EV Dundee	Page	23 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg A	Max. Vert	2	507.334	-0.082	36.933
	Max. H _x	21	19.892	4.803	0.828
	Max. H _z	2	507.334	-0.082	36.933
	Min. Vert	15	-431.694	0.091	-33.088
	Min. H _x	9	26.897	-4.897	1.257
	Min. H _z	15	-431.694	0.091	-33.088

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	67.987	-0.000	0.000	2.441	1.327	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	81.584	1.107	-62.073	-9979.515	-221.917	-0.969
0.9 Dead+1.0 Wind 0 deg - No Ice	61.188	1.107	-62.074	-9956.954	-221.795	-0.962
1.2 Dead+1.0 Wind 30 deg - No Ice	81.584	30.186	-50.920	-8298.770	-4950.424	6.849
0.9 Dead+1.0 Wind 30 deg - No Ice	61.188	30.187	-50.921	-8280.005	-4939.204	6.854
1.2 Dead+1.0 Wind 60 deg - No Ice	81.584	50.276	-29.027	-4756.279	-8241.711	3.317
0.9 Dead+1.0 Wind 60 deg - No Ice	61.188	50.277	-29.027	-4745.826	-8222.713	3.310
1.2 Dead+1.0 Wind 90 deg - No Ice	81.584	58.733	-0.682	-134.690	-9554.016	-0.833
0.9 Dead+1.0 Wind 90 deg - No Ice	61.188	58.734	-0.682	-135.127	-9532.014	-0.850
1.2 Dead+1.0 Wind 120 deg - No Ice	81.584	53.918	29.851	4746.261	-8661.004	4.759
0.9 Dead+1.0 Wind 120 deg - No Ice	61.188	53.918	29.851	4734.465	-8641.220	4.745
1.2 Dead+1.0 Wind 150 deg - No Ice	81.584	29.055	50.345	8182.591	-4718.444	9.461
0.9 Dead+1.0 Wind 150 deg - No Ice	61.188	29.055	50.345	8162.629	-4707.755	9.449
1.2 Dead+1.0 Wind 180 deg - No Ice	81.584	-0.142	57.497	9419.469	30.268	3.262
0.9 Dead+1.0 Wind 180 deg - No Ice	61.188	-0.142	57.497	9396.525	29.792	3.255
1.2 Dead+1.0 Wind 210 deg - No Ice	81.584	-29.434	50.899	8300.478	4801.674	-3.869
0.9 Dead+1.0 Wind 210 deg - No Ice	61.188	-29.434	50.900	8280.234	4789.975	-3.874
1.2 Dead+1.0 Wind 240 deg - No Ice	81.584	-53.574	30.931	4967.795	8600.883	-3.317
0.9 Dead+1.0 Wind 240 deg - No Ice	61.188	-53.575	30.932	4955.464	8580.417	-3.310
1.2 Dead+1.0 Wind 270 deg - No Ice	81.584	-58.339	0.041	11.255	9477.590	-2.146
0.9 Dead+1.0 Wind 270 deg - No Ice	61.188	-58.339	0.041	10.472	9454.959	-2.129
1.2 Dead+1.0 Wind 300 deg - No Ice	81.584	-49.472	-28.399	-4626.039	8076.665	-7.051
0.9 Dead+1.0 Wind 300 deg - No Ice	61.188	-49.472	-28.399	-4615.904	8057.264	-7.037

<p style="text-align: center;">tnxTower</p> <p style="text-align: center;">B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p style="text-align: center;">Job</p> <p style="text-align: center;">ATS # A818 - EV Dundee</p>	<p style="text-align: center;">Page</p> <p style="text-align: center;">24 of 34</p>
	<p style="text-align: center;">Project</p> <p style="text-align: center;">255' SST/37.55586944, -86.77393611</p>	<p style="text-align: center;">Date</p> <p style="text-align: center;">17:18:33 03/13/24</p>
	<p style="text-align: center;">Client</p> <p style="text-align: center;">Tower Ventures</p>	<p style="text-align: center;">Designed by</p> <p style="text-align: center;">T. Cheriyan</p>

Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 330 deg - No Ice	81.584	-29.072	-50.335	-8174.533	4725.341	-9.461
0.9 Dead+1.0 Wind 330 deg - No Ice	61.188	-29.073	-50.335	-8156.067	4713.845	-9.449
1.2 Dead+1.0 Ice+1.0 Temp	216.129	0.000	-0.000	10.891	7.370	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	216.129	0.097	-8.385	-1410.273	-12.382	-0.479
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	216.129	4.149	-7.067	-1196.168	-703.733	-0.551
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	216.129	7.034	-4.061	-684.674	-1197.862	0.125
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	216.129	8.158	-0.060	-1.001	-1384.742	0.769
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	216.129	7.278	4.090	700.268	-1225.693	0.605
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	216.129	4.051	7.018	1208.256	-683.114	0.336
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	216.129	-0.012	8.072	1393.874	10.280	0.681
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	216.129	-4.083	7.065	1218.499	705.510	0.814
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	216.129	-7.247	4.184	719.996	1235.098	-0.126
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	216.129	-8.123	0.004	12.110	1392.998	-1.031
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	216.129	-6.965	-4.007	-673.153	1198.469	-0.807
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	216.129	-4.052	-7.017	-1185.356	698.836	-0.336
Dead+Wind 0 deg - Service	67.987	0.355	-19.888	-3191.140	-70.168	-0.308
Dead+Wind 30 deg - Service	67.987	9.672	-16.315	-2653.418	-1582.869	2.213
Dead+Wind 60 deg - Service	67.987	16.108	-9.300	-1520.095	-2635.822	1.062
Dead+Wind 90 deg - Service	67.987	18.818	-0.218	-41.550	-3055.672	-0.288
Dead+Wind 120 deg - Service	67.987	17.275	9.564	1519.947	-2770.020	1.520
Dead+Wind 150 deg - Service	67.987	9.309	16.131	2619.249	-1508.716	3.046
Dead+Wind 180 deg - Service	67.987	-0.045	18.422	3014.949	10.503	1.044
Dead+Wind 210 deg - Service	67.987	-9.431	16.308	2656.970	1536.988	-1.258
Dead+Wind 240 deg - Service	67.987	-17.165	9.910	1590.819	2752.440	-1.061
Dead+Wind 270 deg - Service	67.987	-18.692	0.013	5.132	3032.874	-0.666
Dead+Wind 300 deg - Service	67.987	-15.851	-9.099	-1478.432	2584.669	-2.256
Dead+Wind 330 deg - Service	67.987	-9.315	-16.127	-2613.669	1512.510	-3.046

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-67.987	0.000	0.000	67.987	-0.000	0.000%
2	1.107	-81.584	-62.077	-1.107	81.584	62.073	0.004%
3	1.107	-61.188	-62.077	-1.107	61.188	62.074	0.003%
4	30.188	-81.584	-50.923	-30.186	81.584	50.920	0.003%
5	30.188	-61.188	-50.923	-30.187	61.188	50.921	0.003%
6	50.279	-81.584	-29.028	-50.276	81.584	29.027	0.003%
7	50.279	-61.188	-29.028	-50.277	61.188	29.027	0.003%
8	58.737	-81.584	-0.682	-58.733	81.584	0.682	0.003%
9	58.737	-61.188	-0.682	-58.734	61.188	0.682	0.003%
10	53.921	-81.584	29.853	-53.918	81.584	-29.851	0.004%
11	53.921	-61.188	29.853	-53.918	61.188	-29.851	0.003%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
12	29.057	-81.584	50.347	-29.055	81.584	-50.345	0.003%
13	29.057	-61.188	50.347	-29.055	61.188	-50.345	0.003%
14	-0.142	-81.584	57.500	0.142	81.584	-57.497	0.003%
15	-0.142	-61.188	57.500	0.142	61.188	-57.497	0.003%
16	-29.436	-81.584	50.902	29.434	81.584	-50.899	0.003%
17	-29.436	-61.188	50.902	29.434	61.188	-50.900	0.003%
18	-53.577	-81.584	30.933	53.574	81.584	-30.931	0.004%
19	-53.577	-61.188	30.933	53.575	61.188	-30.932	0.003%
20	-58.342	-81.584	0.041	58.339	81.584	-0.041	0.003%
21	-58.342	-61.188	0.041	58.339	61.188	-0.041	0.003%
22	-49.474	-81.584	-28.400	49.472	81.584	28.399	0.003%
23	-49.474	-61.188	-28.400	49.472	61.188	28.399	0.003%
24	-29.074	-81.584	-50.338	29.072	81.584	50.335	0.003%
25	-29.074	-61.188	-50.338	29.073	61.188	50.335	0.003%
26	0.000	-216.129	0.000	-0.000	216.129	0.000	0.000%
27	0.097	-216.129	-8.385	-0.097	216.129	8.385	0.000%
28	4.150	-216.129	-7.068	-4.149	216.129	7.067	0.000%
29	7.035	-216.129	-4.062	-7.034	216.129	4.061	0.000%
30	8.159	-216.129	-0.060	-8.158	216.129	0.060	0.000%
31	7.279	-216.129	4.090	-7.278	216.129	-4.090	0.000%
32	4.051	-216.129	7.019	-4.051	216.129	-7.018	0.000%
33	-0.012	-216.129	8.072	0.012	216.129	-8.072	0.000%
34	-4.084	-216.129	7.066	4.083	216.129	-7.065	0.000%
35	-7.247	-216.129	4.184	7.247	216.129	-4.184	0.000%
36	-8.124	-216.129	0.004	8.123	216.129	-0.004	0.000%
37	-6.965	-216.129	-4.007	6.965	216.129	4.007	0.000%
38	-4.053	-216.129	-7.018	4.052	216.129	7.017	0.000%
39	0.355	-67.987	-19.889	-0.355	67.987	19.888	0.001%
40	9.672	-67.987	-16.316	-9.672	67.987	16.315	0.001%
41	16.109	-67.987	-9.301	-16.108	67.987	9.300	0.001%
42	18.819	-67.987	-0.218	-18.818	67.987	0.218	0.001%
43	17.276	-67.987	9.565	-17.275	67.987	-9.564	0.001%
44	9.310	-67.987	16.131	-9.309	67.987	-16.131	0.001%
45	-0.045	-67.987	18.423	0.045	67.987	-18.422	0.001%
46	-9.431	-67.987	16.309	9.431	67.987	-16.308	0.001%
47	-17.166	-67.987	9.911	17.165	67.987	-9.910	0.001%
48	-18.693	-67.987	0.013	18.692	67.987	-0.013	0.001%
49	-15.852	-67.987	-9.099	15.851	67.987	9.099	0.001%
50	-9.315	-67.987	-16.128	9.315	67.987	16.127	0.001%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	13	0.00004564	0.00010359
3	Yes	13	0.00003412	0.00007788
4	Yes	13	0.00004331	0.00009860
5	Yes	13	0.00003191	0.00007306
6	Yes	13	0.00004112	0.00009387
7	Yes	13	0.00002982	0.00006846
8	Yes	13	0.00004328	0.00009851
9	Yes	13	0.00003188	0.00007299
10	Yes	13	0.00004557	0.00010341
11	Yes	13	0.00003406	0.00007773
12	Yes	13	0.00004338	0.00009875

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13	Yes	13	0.00003197	0.00007321
14	Yes	13	0.00004117	0.00009400
15	Yes	13	0.00002985	0.00006857
16	Yes	13	0.00004341	0.00009884
17	Yes	13	0.00003200	0.00007328
18	Yes	13	0.00004560	0.00010350
19	Yes	13	0.00003409	0.00007781
20	Yes	13	0.00004338	0.00009874
21	Yes	13	0.00003198	0.00007320
22	Yes	13	0.00004116	0.00009395
23	Yes	13	0.00002985	0.00006854
24	Yes	13	0.00004337	0.00009874
25	Yes	13	0.00003197	0.00007320
26	Yes	6	0.00000001	0.00001920
27	Yes	14	0.00000001	0.00009440
28	Yes	14	0.00000001	0.00009337
29	Yes	14	0.00000001	0.00009284
30	Yes	14	0.00000001	0.00009331
31	Yes	14	0.00000001	0.00009466
32	Yes	14	0.00000001	0.00009404
33	Yes	14	0.00000001	0.00009445
34	Yes	14	0.00000001	0.00009529
35	Yes	14	0.00000001	0.00009602
36	Yes	14	0.00000001	0.00009433
37	Yes	14	0.00000001	0.00009313
38	Yes	14	0.00000001	0.00009311
39	Yes	13	0.00000001	0.00008065
40	Yes	13	0.00000001	0.00007921
41	Yes	13	0.00000001	0.00007780
42	Yes	13	0.00000001	0.00007912
43	Yes	13	0.00000001	0.00008054
44	Yes	13	0.00000001	0.00007924
45	Yes	13	0.00000001	0.00007791
46	Yes	13	0.00000001	0.00007931
47	Yes	13	0.00000001	0.00008061
48	Yes	13	0.00000001	0.00007920
49	Yes	13	0.00000001	0.00007780
50	Yes	13	0.00000001	0.00007921

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	12.893	39	0.436	0.098
T2	240 - 220	11.498	39	0.431	0.087
T3	220 - 200	9.645	39	0.405	0.063
T4	200 - 180	7.912	39	0.369	0.042
T5	180 - 160	6.360	39	0.328	0.029
T6	160 - 140	4.992	39	0.281	0.019
T7	140 - 120	3.810	39	0.237	0.012
T8	120 - 100	2.810	39	0.198	0.007
T9	100 - 80	1.958	39	0.163	0.005
T10	80 - 60	1.266	39	0.126	0.003
T11	60 - 40	0.749	39	0.093	0.002
T12	40 - 20	0.370	39	0.060	0.002
T13	20 - 0	0.123	39	0.030	0.001

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inxTower

B+T Group
 1717 S Boulder Ave, Suite 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
255,000	Lightning Rod 1"x10'	39	12.893	0.436	0.098	523951
250,000	Sector1(CaAa=14000 Sq.in)No Ice	39	12.429	0.435	0.095	523951
238,000	Sector1(CaAa=10000 Sq.in)No Ice	39	11.311	0.430	0.085	526865
226,000	Sector1(CaAa=10000 Sq.in)No Ice	39	10.194	0.415	0.071	53406
200,000	6 MW Dish	39	7.912	0.369	0.042	25119

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load	Tilt	Twist
T1	255 - 240	40.391	2	1.368	0.308
T2	240 - 220	36.017	2	1.352	0.274
T3	220 - 200	30.209	2	1.269	0.198
T4	200 - 180	24.777	2	1.156	0.134
T5	180 - 160	19.915	2	1.028	0.091
T6	160 - 140	15.628	2	0.879	0.060
T7	140 - 120	11.927	2	0.743	0.037
T8	120 - 100	8.797	2	0.620	0.023
T9	100 - 80	6.129	2	0.510	0.014
T10	80 - 60	3.962	2	0.396	0.009
T11	60 - 40	2.343	2	0.292	0.007
T12	40 - 20	1.160	2	0.187	0.005
T13	20 - 0	0.386	2	0.094	0.003

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
255,000	Lightning Rod 1"x10'	2	40.391	1.368	0.308	169033
250,000	Sector1(CaAa=14000 Sq.in)No Ice	2	38.935	1.365	0.298	169033
238,000	Sector1(CaAa=10000 Sq.in)No Ice	2	35.432	1.347	0.267	174327
226,000	Sector1(CaAa=10000 Sq.in)No Ice	2	31.929	1.300	0.222	17191
200,000	6 MW Dish	2	24.777	1.156	0.134	8050

Bolt Design Data

Section No.	Elevation	Component Type	Bolt Grade	Bolt Size	Number Of Bolts	Maximum Load per Bolt	Allowable Load per Bolt	Ratio	Criteria
T1	255	Diagonal	A325X	0.625	1	4.154	9.598	0.433	Member Block Shear

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	<p>Client</p> <p>Tower Ventures</p>	<p>Designed by</p> <p>T. Cheriyan</p>

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria	
T2	240	Top Girt	A325X	0.625	1	0.425	9.598	0.044	✓	1	Member Block Shear
		Leg	A325N	0.750	6	2.455	30.101	0.082	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.484	10.740	0.883	✓	1	Member Block Shear
T3	220	Leg	A325N	0.750	6	10.039	30.101	0.334	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.002	10.740	0.838	✓	1	Member Block Shear
T4	200	Leg	A325N	1.000	6	18.266	54.517	0.335	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.937	13.025	0.686	✓	1	Member Block Shear
T5	180	Leg	A325N	1.000	6	25.403	54.517	0.466	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.768	13.025	0.673	✓	1	Member Block Shear
T6	160	Leg	A325N	1.000	6	31.855	54.517	0.584	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.843	13.025	0.679	✓	1	Member Block Shear
T7	140	Leg	A325N	1.000	6	37.806	54.517	0.693	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.262	14.168	0.654	✓	1	Member Block Shear
T8	120	Leg	A325N	1.250	6	43.414	87.220	0.498	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.818	14.168	0.693	✓	1	Member Block Shear
T9	100	Leg	A325N	1.250	6	48.829	87.220	0.560	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	10.307	17.257	0.597	✓	1	Bolt Shear
T10	80	Leg	A325N	1.250	6	54.053	87.220	0.620	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.533	26.051	0.443	✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	7.015	19.195	0.365	✓	1	Member Block Shear
T11	60	Leg	A325N	1.250	6	59.125	87.220	0.678	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.552	26.051	0.443	✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	7.633	21.480	0.355	✓	1	Member Block Shear
T12	40	Leg	A325N	1.250	6	63.932	87.220	0.733	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.803	26.051	0.453	✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	8.236	21.480	0.383	✓	1	Member Block Shear
T13	20	Leg	A325N	1.250	6	68.540	87.220	0.786	✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.736	26.051	0.451	✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	8.812	26.051	0.338	✓	1	Member Block Shear

Compression Checks

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Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	1 3/4	15.014	4.671	128.1 K=1.00	2.405	-14.858	33.103	0.449 ¹ ✓
T2	240 - 220	2 1/4	20.019	4.754	101.4 K=1.00	3.976	-63.240	84.331	0.750 ¹ ✓
T3	220 - 200	2 3/4	20.019	4.754	83.0 K=1.00	5.940	-117.240	161.540	0.726 ¹ ✓
T4	200 - 180	3	20.019	4.754	76.1 K=1.00	7.069	-165.004	208.347	0.792 ¹ ✓
T5	180 - 160	3	20.019	4.754	76.1 K=1.00	7.069	-208.006	208.347	0.998 ¹ ✓
T6	160 - 140	3 1/4	20.019	4.754	70.2 K=1.00	8.296	-248.102	260.312	0.953 ¹ ✓
T7	140 - 120	3 1/2	20.019	4.754	65.2 K=1.00	9.621	-286.735	317.273	0.904 ¹ ✓
T8	120 - 100	3 3/4	20.019	4.754	60.9 K=1.00	11.045	-324.753	379.106	0.857 ¹ ✓
T9	100 - 80	3 3/4	20.019	4.754	60.9 K=1.00	11.045	-362.564	379.106	0.956 ¹ ✓
T10	80 - 60	4	20.019	4.754	57.1 K=1.00	12.566	-395.167	445.717	0.887 ¹ ✓
T11	60 - 40	4	20.019	4.754	57.1 K=1.00	12.566	-431.045	445.717	0.967 ¹ ✓
T12	40 - 20	4 1/4	20.019	4.754	53.7 K=1.00	14.186	-465.831	517.034	0.901 ¹ ✓
T13	20 - 0	4 1/4	20.019	4.754	53.7 K=1.00	14.186	-499.286	517.034	0.966 ¹ ✓

¹ P_u / φP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L1 3/4x1 3/4x3/16	7.166	3.605	125.9 K=1.00	0.621	-4.224	11.206	0.377 ¹ ✓
T2	240 - 220	L2x2x3/16	8.697	4.343	132.3 K=1.00	0.715	-8.837	11.697	0.755 ¹ ✓
T3	220 - 200	L2x2x3/16	9.987	4.964	151.2 K=1.00	0.715	-8.018	8.951	0.896 ¹ ✓
T4	200 - 180	L2 1/2x2 1/2x3/16	11.329	5.625	136.4 K=1.00	0.902	-8.342	13.885	0.601 ¹ ✓
T5	180 - 160	L2 1/2x2 1/2x3/16	12.706	6.314	153.1 K=1.00	0.902	-8.200	11.018	0.744 ¹ ✓
T6	160 - 140	L2 1/2x2 1/2x3/16	14.108	7.005	169.8 K=1.00	0.902	-8.460	8.952	0.945 ¹ ✓

Section No.	Elevation	Size	L	L _n	Kl/r	A	P _n	φP _n	Ratio
T7	140 - 120	L3x3x3/16	15.529	7.705	155.1	1.090	-8.930	12.963	0.689 ¹
T8	120 - 100	L3x3x3/16	16.963	8.412	169.4	1.090	-9.566	10.877	0.879 ¹
T9	100 - 80	L3x3x1/4	18.408	9.134	185.2	1.440	-9.988	12.022	0.831 ¹
T10	80 - 60	2L2 1/2x2 1/2x3/16x3/8	10.829	10.644	163.9	1.800	-11.341	17.598	0.644 ¹
T11	60 - 40	2L 2' > 60.948 in - 245 2L2 1/2x2 1/2x3/16x3/8	11.508	11.325	174.4	1.800	-11.478	15.610	0.735 ¹
T12	40 - 20	2L 2' > 64.848 in - 284 2L2 1/2x2 1/2x3/16x3/8	12.195	12.003	184.8	1.800	-11.879	13.944	0.852 ¹
T13	20 - 0	2L 2' > 68.729 in - 323 2L2 1/2x2 1/2x3/16x3/8	12.889	12.698	195.5	1.800	-12.002	12.493	0.961 ¹
2L 2' > 72.714 in - 362									

¹ P_n / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L _n	Kl/r	A	P _n	φP _n	Ratio
T7	140 - 120	L3x3x3/16	15.529	7.705	155.1	1.090	-8.930	12.963	0.689 ¹
T8	120 - 100	L3x3x3/16	16.963	8.412	169.4	1.090	-9.566	10.877	0.879 ¹
T9	100 - 80	L3x3x1/4	18.408	9.134	185.2	1.440	-9.988	12.022	0.831 ¹
T10	80 - 60	2L2 1/2x2 1/2x3/16x3/8	10.829	10.644	163.9	1.800	-11.341	17.598	0.644 ¹
T11	60 - 40	2L 2' > 60.948 in - 245 2L2 1/2x2 1/2x3/16x3/8	11.508	11.325	174.4	1.800	-11.478	15.610	0.735 ¹
T12	40 - 20	2L 2' > 64.848 in - 284 2L2 1/2x2 1/2x3/16x3/8	12.195	12.003	184.8	1.800	-11.879	13.944	0.852 ¹
T13	20 - 0	2L 2' > 68.729 in - 323 2L2 1/2x2 1/2x3/16x3/8	12.889	12.698	195.5	1.800	-12.002	12.493	0.961 ¹
2L 2' > 72.714 in - 362									

¹ P_n / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L _n	Kl/r	A	P _n	φP _n	Ratio
T7	140 - 120	L3x3x3/16	15.529	7.705	155.1	1.090	-8.930	12.963	0.689 ¹
T8	120 - 100	L3x3x3/16	16.963	8.412	169.4	1.090	-9.566	10.877	0.879 ¹
T9	100 - 80	L3x3x1/4	18.408	9.134	185.2	1.440	-9.988	12.022	0.831 ¹
T10	80 - 60	2L2 1/2x2 1/2x3/16x3/8	10.829	10.644	163.9	1.800	-11.341	17.598	0.644 ¹
T11	60 - 40	2L 2' > 60.948 in - 245 2L2 1/2x2 1/2x3/16x3/8	11.508	11.325	174.4	1.800	-11.478	15.610	0.735 ¹
T12	40 - 20	2L 2' > 64.848 in - 284 2L2 1/2x2 1/2x3/16x3/8	12.195	12.003	184.8	1.800	-11.879	13.944	0.852 ¹
T13	20 - 0	2L 2' > 68.729 in - 323 2L2 1/2x2 1/2x3/16x3/8	12.889	12.698	195.5	1.800	-12.002	12.493	0.961 ¹
2L 2' > 72.714 in - 364									

Designed by
T. Chertyan

Date
17:18:33 03/13/24

Page
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tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	31 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
									✓

¹ P_u / φP_n controls

Inner Bracing Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	80 - 60	L1 3/4x1 3/4x3/16	9.553	9.553	333.8 K=1.00	0.621	-0.010	1.596	0.006 ¹ ✓
T11	60 - 40	KL/R > 250 (C) - 254 L1 3/4x1 3/4x3/16	10.303	10.303	360.0 K=1.00	0.621	-0.011	1.372	0.008 ¹ ✓
T12	40 - 20	KL/R > 250 (C) - 293 L1 3/4x1 3/4x3/16	11.053	11.053	386.2 K=1.00	0.621	-0.011	1.192	0.009 ¹ ✓
T13	20 - 0	KL/R > 250 (C) - 333 L1 3/4x1 3/4x3/16 KL/R > 250 (C) - 372	11.803	11.803	412.4 K=1.00	0.621	-0.011	1.045	0.010 ¹ ✓

¹ P_u / φP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	KL/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	1 3/4	15.014	0.500	13.7	2.405	14.738	108.238	0.136 ¹ ✓
T2	240 - 220	2 1/4	20.019	0.500	10.7	3.976	60.245	178.924	0.337 ¹ ✓
T3	220 - 200	2 3/4	20.019	0.500	8.7	5.940	109.592	267.281	0.410 ¹ ✓
T4	200 - 180	3	20.019	0.500	8.0	7.069	152.426	318.086	0.479 ¹ ✓
T5	180 - 160	3	20.019	0.500	8.0	7.069	191.140	318.086	0.601 ¹ ✓
T6	160 - 140	3 1/4	20.019	0.500	7.4	8.296	226.849	373.310	0.608 ¹ ✓
T7	140 - 120	3 1/2	20.019	0.500	6.9	9.621	260.503	432.951	0.602 ¹ ✓

<p>tnxTower</p> <p>B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	<p>Job</p> <p>ATS # A818 - EV Dundee</p>	<p>Page</p> <p>32 of 34</p>
	<p>Project</p> <p>255' SST/37.55586944, -86.77393611</p>	<p>Date</p> <p>17:18:33 03/13/24</p>
	<p>Client</p> <p>Tower Ventures</p>	<p>Designed by</p> <p>T. Cheriyan</p>

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T8	120 - 100	3 3/4	20.019	0.500	6.4	11.045	292.990	497.010	0.590 ¹
T9	100 - 80	3 3/4	20.019	0.500	6.4	11.045	324.338	497.010	0.653 ¹
T10	80 - 60	4	20.019	0.500	6.0	12.566	354.767	565.487	0.627 ¹
T11	60 - 40	4	20.019	0.500	6.0	12.566	383.608	565.487	0.678 ¹
T12	40 - 20	4 1/4	20.019	0.500	5.7	14.186	411.262	638.381	0.644 ¹
T13	20 - 0	4 1/4	20.019	0.500	5.7	14.186	437.493	638.381	0.685 ¹

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L1 3/4x1 3/4x3/16	7.435	3.736	83.5	0.360	4.154	17.567	0.236 ¹
T2	240 - 220	L2x2x3/16	8.697	4.343	84.5	0.431	9.484	21.001	0.452 ¹
T3	220 - 200	L2x2x3/16	9.061	4.505	87.6	0.431	9.002	21.001	0.429 ¹
T4	200 - 180	L2 1/2x2 1/2x3/16	11.329	5.625	86.8	0.571	8.937	27.838	0.321 ¹
T5	180 - 160	L2 1/2x2 1/2x3/16	12.706	6.314	97.4	0.571	8.768	27.838	0.315 ¹
T6	160 - 140	L2 1/2x2 1/2x3/16	14.108	7.005	108.0	0.571	8.843	27.838	0.318 ¹
T7	140 - 120	L3x3x3/16	15.529	7.705	98.5	0.712	9.262	34.712	0.267 ¹
T8	120 - 100	L3x3x3/16	16.963	8.412	107.5	0.712	9.818	34.712	0.283 ¹
T9	100 - 80	L3x3x1/4	18.408	9.134	117.9	0.939	10.307	45.794	0.225 ¹
T10	80 - 60	2L2 1/2x2 1/2x3/16x3/8	10.829	10.644	164.2	1.139	11.533	55.529	0.208 ¹
T11	60 - 40	2L 'a' > 60.948 in - 246 2L2 1/2x2 1/2x3/16x3/8	11.508	11.325	174.7	1.139	11.552	55.529	0.208 ¹
T12	40 - 20	2L 'a' > 64.848 in - 285 2L2 1/2x2 1/2x3/16x3/8	12.195	12.003	185.1	1.139	11.803	55.529	0.213 ¹
T13	20 - 0	2L 'a' > 68.729 in - 324 2L2 1/2x2 1/2x3/16x3/8 2L 'a' > 72.714 in - 363	12.889	12.698	195.9	1.139	11.736	55.529	0.211 ¹

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS # A818 - EV Dundee	Page	33 of 34
	Project	255' SST/37.55586944, -86.77393611	Date	17:18:33 03/13/24
	Client	Tower Ventures	Designed by	T. Cheriyan

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
-------------	-----------------	------	---------	----------------------	------	----------------------	---------------------	----------------------	---------------------------------

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	80 - 60	2L1 3/4x1 3/4x3/16x3/8	19.106	9.386	209.8	0.721	7.015	35.134	0.200 ¹ ✓
T11	60 - 40	2L 'a' > 54.035 in - 250 2L2x2x3/16x3/8	20.606	10.136	197.1	0.862	7.633	42.001	0.182 ¹ ✓
T12	40 - 20	2L 'a' > 58.256 in - 289 2L2x2x3/16x3/8	22.106	10.876	211.5	0.862	8.236	42.001	0.196 ¹ ✓
T13	20 - 0	2L 'a' > 62.506 in - 325 2L2 1/2x2 1/2x3/16x3/8 2L 'a' > 66.573 in - 367	23.606	11.626	179.3	1.139	8.812	55.529	0.159 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L1 3/4x1 3/4x3/16	4.913	4.767	106.5	0.360	0.425	17.567	0.024 ¹ ✓

¹ P_u / φP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	φP _{allow} K	% Capacity	Pass Fail
T1	255 - 240	Leg	1 3/4	3	-14.858	33.103	44.9	Pass
T2	240 - 220	Leg	2 1/4	27	-63.240	84.331	75.0	Pass
T3	220 - 200	Leg	2 3/4	54	-117.240	161.540	72.6	Pass
T4	200 - 180	Leg	3	81	-165.004	208.347	79.2	Pass
T5	180 - 160	Leg	3	108	-208.006	208.347	99.8	Pass
T6	160 - 140	Leg	3 1/4	135	-248.102	260.312	95.3	Pass
T7	140 - 120	Leg	3 1/2	162	-286.735	317.273	90.4	Pass
T8	120 - 100	Leg	3 3/4	189	-324.753	379.106	85.7	Pass

<p>tnxTower</p> <p>B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265</p>	Job	ATS # A818 - EV Dundee	Page	34 of 34	
	Project	255' SST/37.55586944, -86.77393611		Date	17:18:33 03/13/24
	Client	Tower Ventures		Designed by	T. Cheriyan

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail	
T9	100 - 80	Leg	3 3/4	216	-362.564	379.106	95.6	Pass	
T10	80 - 60	Leg	4	243	-395.167	445.717	88.7	Pass	
T11	60 - 40	Leg	4	282	-431.045	445.717	96.7	Pass	
T12	40 - 20	Leg	4 1/4	321	-465.831	517.034	90.1	Pass	
T13	20 - 0	Leg	4 1/4	360	-499.286	517.034	96.6	Pass	
T1	255 - 240	Diagonal	L1 3/4x1 3/4x3/16	14	-4.224	11.206	37.7	Pass	
							43.3 (b)		
T2	240 - 220	Diagonal	L2x2x3/16	32	-8.837	11.697	75.5	Pass	
							88.3 (b)		
T3	220 - 200	Diagonal	L2x2x3/16	60	-8.018	8.951	89.6	Pass	
T4	200 - 180	Diagonal	L2 1/2x2 1/2x3/16	82	-8.342	13.885	60.1	Pass	
							68.6 (b)		
T5	180 - 160	Diagonal	L2 1/2x2 1/2x3/16	109	-8.200	11.018	74.4	Pass	
T6	160 - 140	Diagonal	L2 1/2x2 1/2x3/16	136	-8.460	8.952	94.5	Pass	
T7	140 - 120	Diagonal	L3x3x3/16	163	-8.930	12.963	68.9	Pass	
T8	120 - 100	Diagonal	L3x3x3/16	190	-9.566	10.877	87.9	Pass	
T9	100 - 80	Diagonal	L3x3x1/4	217	-9.988	12.022	83.1	Pass	
T10	80 - 60	Diagonal	2L2 1/2x2 1/2x3/16x3/8	245	-11.341	17.598	64.4	Pass	
T11	60 - 40	Diagonal	2L2 1/2x2 1/2x3/16x3/8	284	-11.478	15.610	73.5	Pass	
T12	40 - 20	Diagonal	2L2 1/2x2 1/2x3/16x3/8	323	-11.879	13.944	85.2	Pass	
T13	20 - 0	Diagonal	2L2 1/2x2 1/2x3/16x3/8	362	-12.002	12.493	96.1	Pass	
T10	80 - 60	Horizontal	2L1 3/4x1 3/4x3/16x3/8	247	-7.015	8.079	86.8	Pass	
T11	60 - 40	Horizontal	2L2x2x3/16x3/8	286	-7.633	10.268	74.3	Pass	
T12	40 - 20	Horizontal	2L2x2x3/16x3/8	325	-8.236	8.936	92.2	Pass	
T13	20 - 0	Horizontal	2L2 1/2x2 1/2x3/16x3/8	364	-8.812	14.835	59.4	Pass	
T1	255 - 240	Top Girt	L1 3/4x1 3/4x3/16	6	-0.463	6.409	7.2	Pass	
T10	80 - 60	Inner Bracing	L1 3/4x1 3/4x3/16	254	-0.010	1.596	0.6	Pass	
T11	60 - 40	Inner Bracing	L1 3/4x1 3/4x3/16	293	-0.011	1.372	0.8	Pass	
T12	40 - 20	Inner Bracing	L1 3/4x1 3/4x3/16	333	-0.011	1.192	0.9	Pass	
T13	20 - 0	Inner Bracing	L1 3/4x1 3/4x3/16	372	-0.011	1.045	1.0	Pass	
							Summary		
							Leg (T5)	99.8	Pass
							Diagonal (T13)	96.1	Pass
							Horizontal (T12)	92.2	Pass
							Top Girt (T1)	7.2	Pass
							Inner Bracing (T13)	1.0	Pass
							Bolt Checks	88.3	Pass
							RATING =	99.8	Pass



Antenna Structure Registration

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

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ASR Registration Search

Registration Search Results

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Displayed Results

Matches 1-4 (of 4)

1

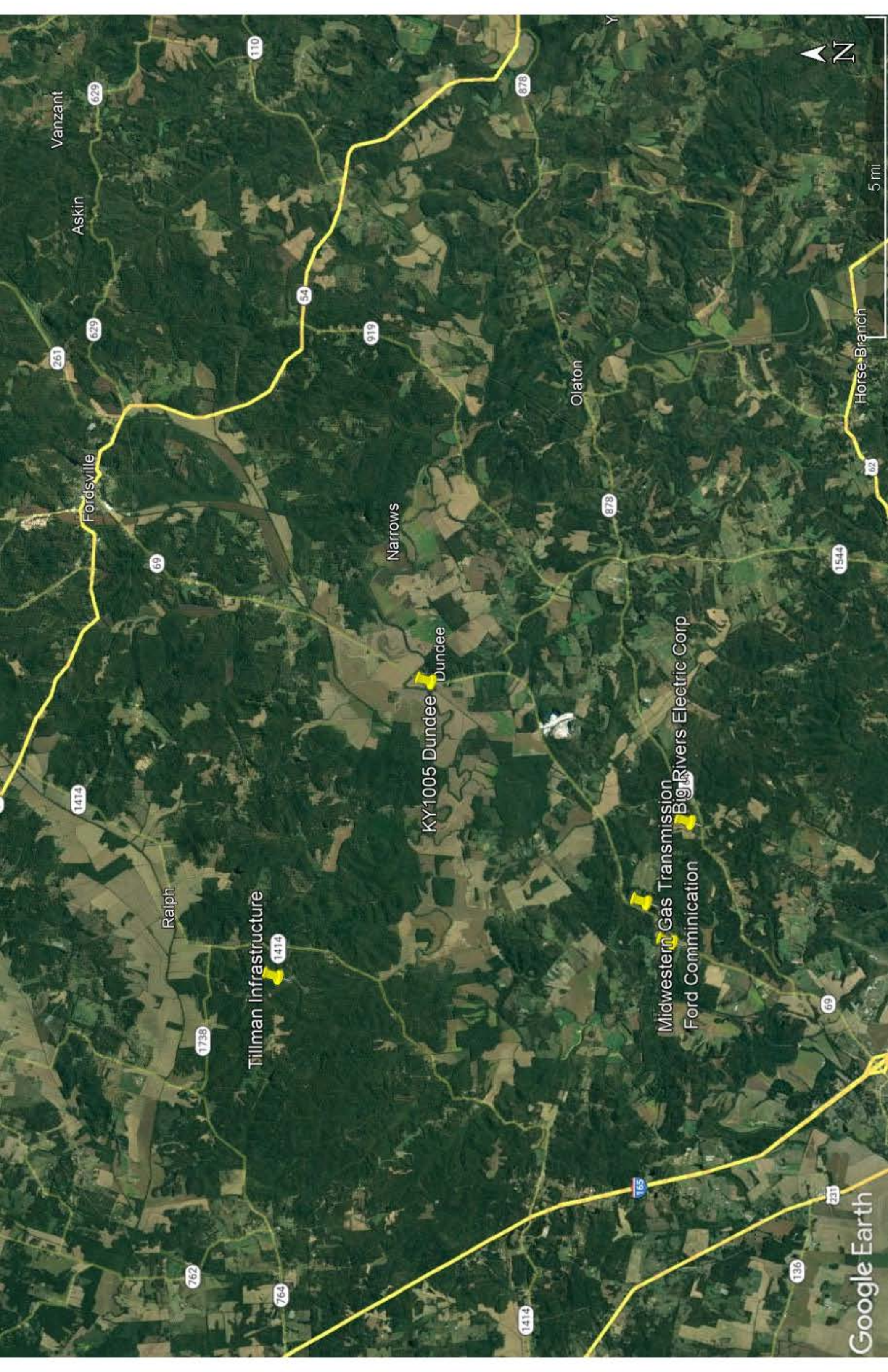
Specified Search

Latitude = '37-33-21 N', Longitude = '86-46-26 W', Radius = 8 Kilometers

Display:

PA = Pending Application(s)

Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
1044556	Constructed	A0935841	Midwestern Gas Transmission	37-30-26.0N 086-50-14.0W	HARTFORD, KY	91.0
1200402	Constructed	A0134745	Big Rivers Electric Corporation	37-29-50.0N 086-48-51.0W	Jingo, KY	88.0
1207824	Constructed	A0108335	Ford Communication	37-30-05.0N 086-50-54.0W	HARTFORD, KY	61.0
1307635	Constructed	A1142490	Tillman Infrastructure, LLC	37-35-25.5N 086-51-29.4W	Hartford, KY	80.5



Vanzant

Askin

Fordsville

Ralph

Tillman Infrastructure

Narrows

KY1005 Dundee Dundee

Olaton

Midwestern Gas Transmission
Ford Communication
Big Rivers Electric Corp

Google Earth



5 mi

Horse Branch



Archive Search Results Form 7460-1 for ASN 2023-ASO-31793-OE

Overview				
Study (ASN):	2023-ASO-31793-OE			
Prior Study:				
Status:	Determined			
Letters:	Determination			
Received Date:	11/28/2023			
Entered Date:	11/28/2023			
Completion Date:	01/10/2024			
Expiration Date:	07/10/2025			
Map:	View Map			
Supplemental Form 7460-2: Please login to add a Supplemental Form 7460-2.				
Sponsor Information				
Sponsor:	TVT II, LLC			
Attention Of:	Craig Royal			
Address:	495 Tennessee Street, Suite 152			
Address2:				
City:	Memphis			
State:	TN			
Postal Code:	38103			
Country:	US			
Phone:	901-277-4083			
Fax:				
Sponsor's Representative Information				
Representative:				
Attention Of:	Craig Royal			
Address:	4091 Viscount Ave.			
Address2:				
City:	Memphis			
State:	TN			
Postal Code:	38118			
Country:	US			
Phone:	901-794-9494			
Fax:				
Construction Info				
Notice Of:	CONSTR			
Duration:	PERM (Months: 0 Days: 0)			
Work Schedule:				
Date Built:				
Structure Summary				
Structure Type:	Antenna Tower			
Structure Name:	KY1005 EV Dundee			
FCC Number:				
Structure Details				
Latitude (NAD 83):	37° 33' 21.13" N			
Longitude (NAD 83):	86° 46' 26.17" W			
Horizontal Datum:	NAD 83			
Survey Accuracy:	1A			
Marking/Lighting:	Dual-red and medium intensity			
Other Description:				
Current Marking/Lighting:	Dual-red and medium intensity			
Current Marking/Lighting Other Description:				
Name:				
City:	Dundee			
State:	KY			
Nearest County:	Ohio			
Nearest Airport:	JQD			
Distance to Structure:	41718.65 feet			
On Airport:	No			
Direction to Structure:	31.83°			
Description of Location:	11473 State Route 69 Dundee, KY 42338			
Description of Proposal:	Applicant filing to construct a 266 antenna tower. Emissions from this site will adhere to the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C-band compatibility evaluation process.			
Height and Elevation				
	Proposed	DNE	DET	
Site Elevation:	417			
Structure Height:	266	0	266	
Total Height (AMSL):	683	0	683	
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-31793-OE

Issued Date: 01/10/2024

Craig Royal
 TVT II, LLC
 495 Tennessee Street, Suite 152
 Memphis, TN 38103

**** 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 KY1005 EV Dundee
 Location: Dundee, KY
 Latitude: 37-33-21.13N NAD 83
 Longitude: 86-46-26.17W
 Heights: 417 feet site elevation (SE)
 266 feet above ground level (AGL)
 683 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 , 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 07/10/2025 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 Victoria Rosenthal-Williams, at (404) 305-6071, or Victoria.M-CTR.Rosenthal-Wil@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ASO-31793-OE.

Signature Control No: 605648426-609226042

(DNE)

David Maddox

Manager, Obstruction Evaluation Group

Attachment(s)

Additional Information

Case Description

Frequency Data

Map(s)

cc: FCC

Additional information for ASN 2023-ASO-31793-OE

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.

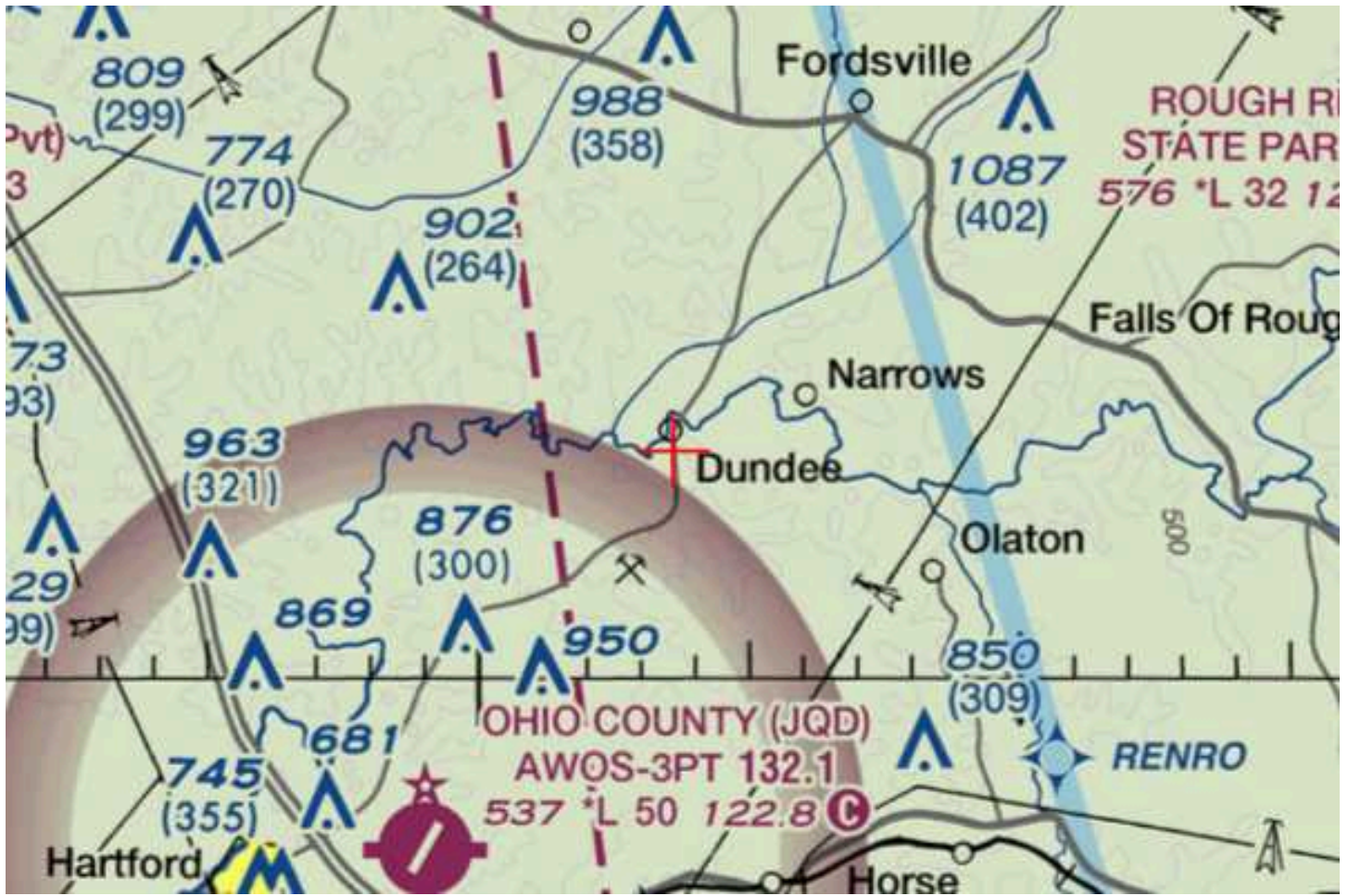
Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

Case Description for ASN 2023-ASO-31793-OE

Applicant filing to construct a 266 antenna tower. Emissions from this site will adhere to the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C-band compatibility evaluation process.

Frequency Data for ASN 2023-ASO-31793-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



APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

JURISDICTION

602 KAR 50:030

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

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

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

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

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

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

INSTRUCTIONS

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

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

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

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

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

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

PENALTIES

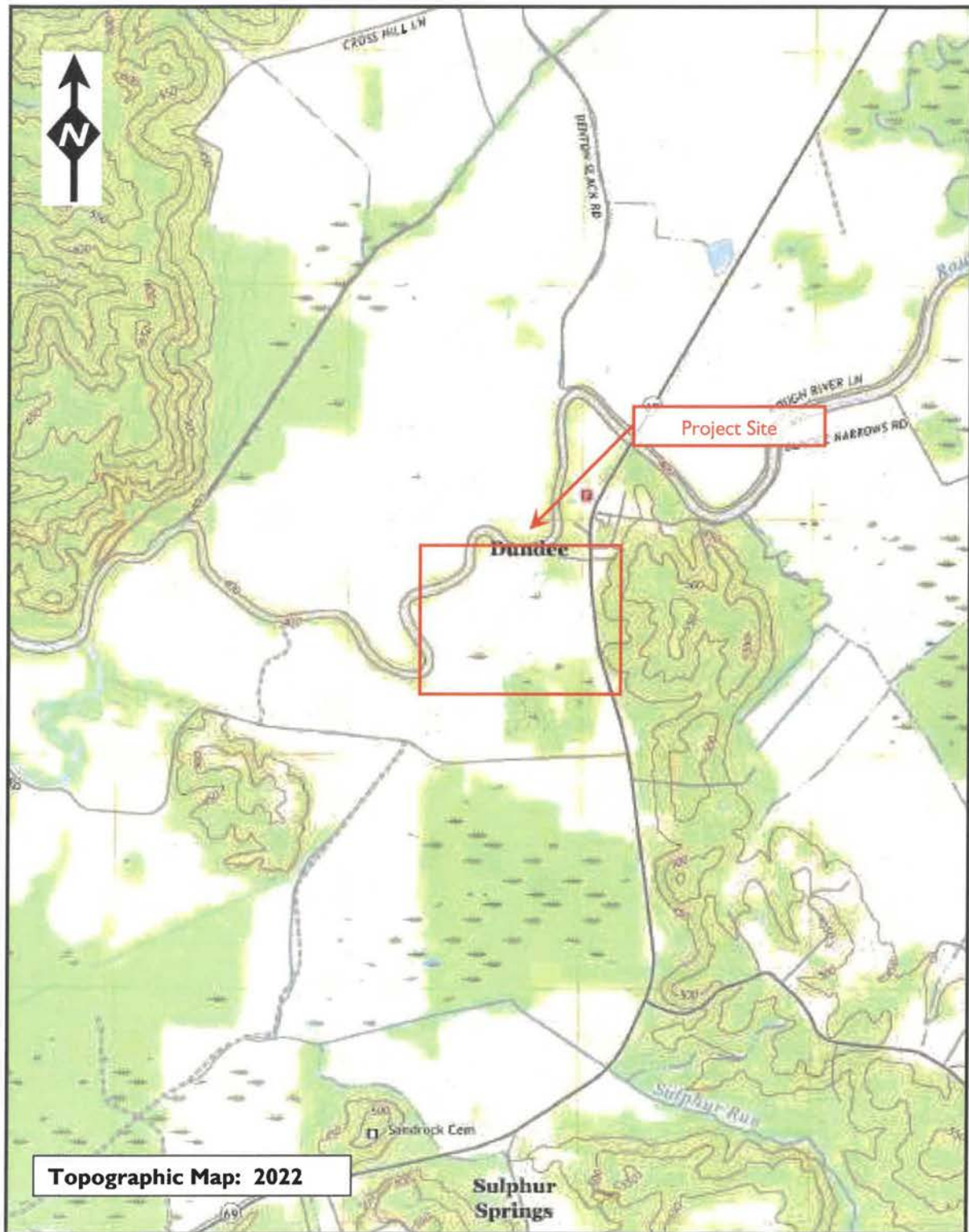
1. Persons failing to comply with the Airport Zoning Commission statutes and regulations are liable for a fine or imprisonment as set forth in KRS 183.990(3).
2. Applicants are cautioned: Noncompliance with Federal Aviation Administration Regulations may provide for further penalties.



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) TVT II, LLC		PHONE (901) 277-4083	FAX	KY AERONAUTICAL STUDY #	
ADDRESS (street) 495 Tennessee Street, Suite #152		CITY Memphis		STATE TN	ZIP 38103
APPLICANT'S REPRESENTATIVE (name) Craig Royal		PHONE (901) 277-4083	FAX		
ADDRESS (street) 495 Tennessee Street, Suite #152		CITY		STATE TN	ZIP 38103
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start 10/1/2024 End 10/1/2025	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 37°33'21.13"		LONGITUDE 86°46'26.17"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Dundee County Ohio		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Ohio County (JQD)			
SITE ELEVATION (AMSL, feet) 417		TOTAL STRUCTURE HEIGHT (AGL, feet) 266		CURRENT (FAA aeronautical study #) 2023-ASO-31793-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 683				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 6.86 Miles				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) NE (Azimuth 31.82°)					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) 11473 State Route 69 Dundee, KY 42338					
DESCRIPTION OF PROPOSAL Applicant filing to construct a 266 antenna tower. Emissions from this site will adhere to the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C-band compatibility.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/28/2023					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Craig Royal	TITLE Ops. Director	SIGNATURE 		DATE 1/29/2024	
COMMISSION ACTION <input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC					
<input type="checkbox"/> Approved	SIGNATURE		DATE		
<input type="checkbox"/> Disapproved					





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

Aeronautical Study No.
 2023-ASO-31793-OE

Issued Date: 01/10/2024

Craig Royal
 TVT II, LLC
 495 Tennessee Street, Suite 152
 Memphis, TN 38103

**** 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 KY1005 EV Dundee
 Location: Dundee, KY
 Latitude: 37-33-21.13N NAD 83
 Longitude: 86-46-26.17W
 Heights: 417 feet site elevation (SE)
 266 feet above ground level (AGL)
 683 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 , 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 07/10/2025 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 Victoria Rosenthal-Williams, at (404) 305-6071, or Victoria.M-CTR.Rosenthal-Wil@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ASO-31793-OE.

Signature Control No: 605648426-609226042

(DNE)

David Maddox

Manager, Obstruction Evaluation Group

Attachment(s)

Additional Information
Case Description
Frequency Data
Map(s)

cc: FCC

Additional information for ASN 2023-ASO-31793-OE

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.

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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.

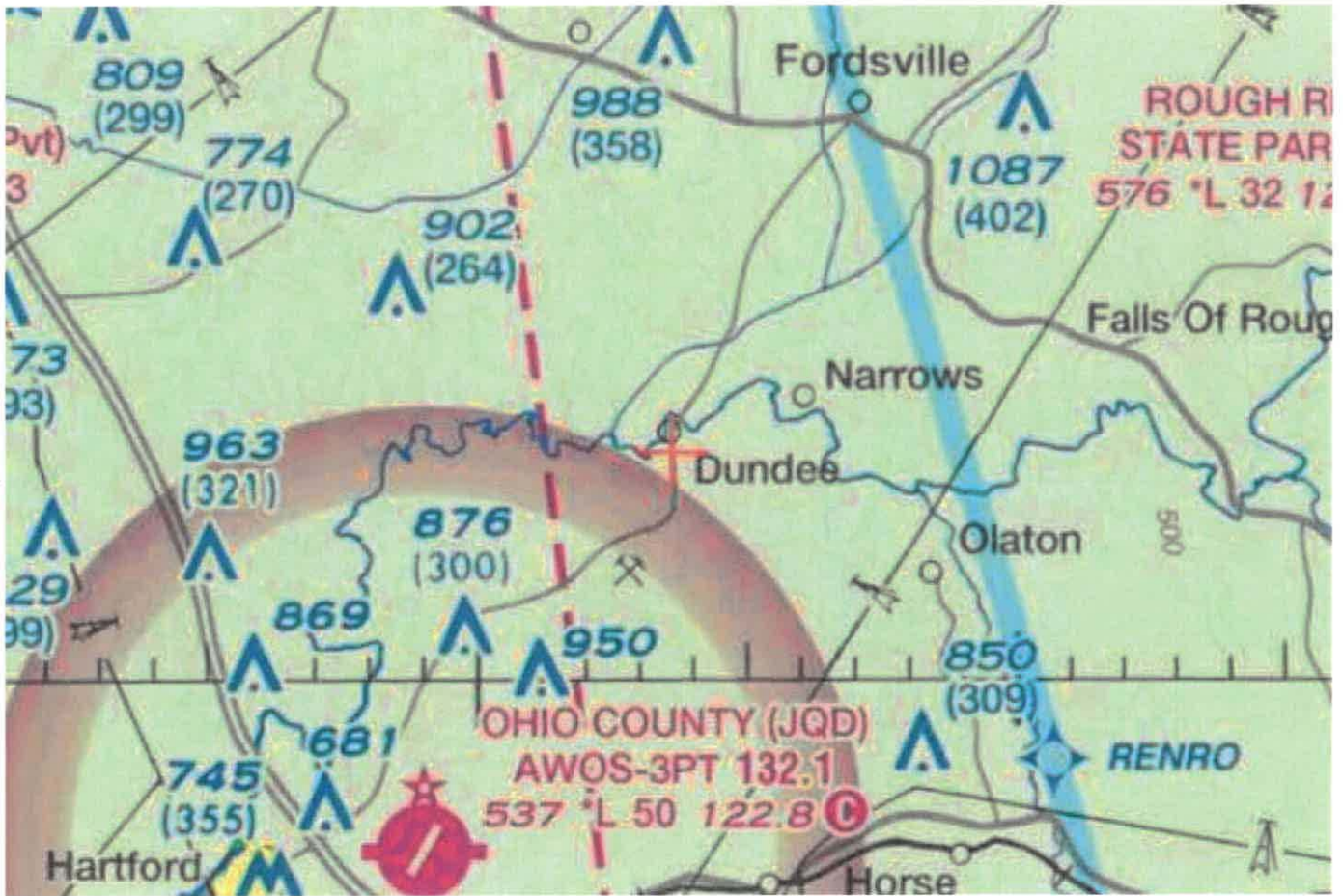
Case Description for ASN 2023-ASO-31793-OE

Applicant filing to construct a 266 antenna tower. Emissions from this site will adhere to the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C-band compatibility evaluation process.

Frequency Data for ASN 2023-ASO-31793-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
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2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W
3700	3980	MHz	1640	W

Sectional Map for ASN 2023-ASO-31793-OE



**SUBSURFACE INVESTIGATION &
GEOTECHNICAL RECOMMENDATIONS**

**KY 1005 EV DUNDEE CELL SITE
DUNDEE, KENTUCKY
A&W PROJECT NO: 24EV0012**

**PREPARED FOR:
MISSION 1 COMMUNICATIONS
FORT WAYNE, INDIANA**

**PREPARED BY:
ALT & WITZIG ENGINEERING, INC.
GEOTECHNICAL DIVISION**

MARCH 1ST, 2024



Alt & Witzig Engineering, Inc.

6200 East Maxwell Avenue, Suite C • Evansville, Indiana 47715

Ph: (812) 422-4446 • Fax: (812) 422-8377

March 1st, 2024

Mission 1 Communications
6202-C Constitution Drive
Fort Wayne, IN 46804
ATTN: Mr. Donald Hoefelmeyer

Report of Subsurface Investigation & Geotechnical Recommendations

RE: KY 1005 EV Dundee Cell Site
State Road 69 South
Dundee, Kentucky
Alt & Witzig File: **24EV0012**

Dear Mr. Hoefelmeyer:

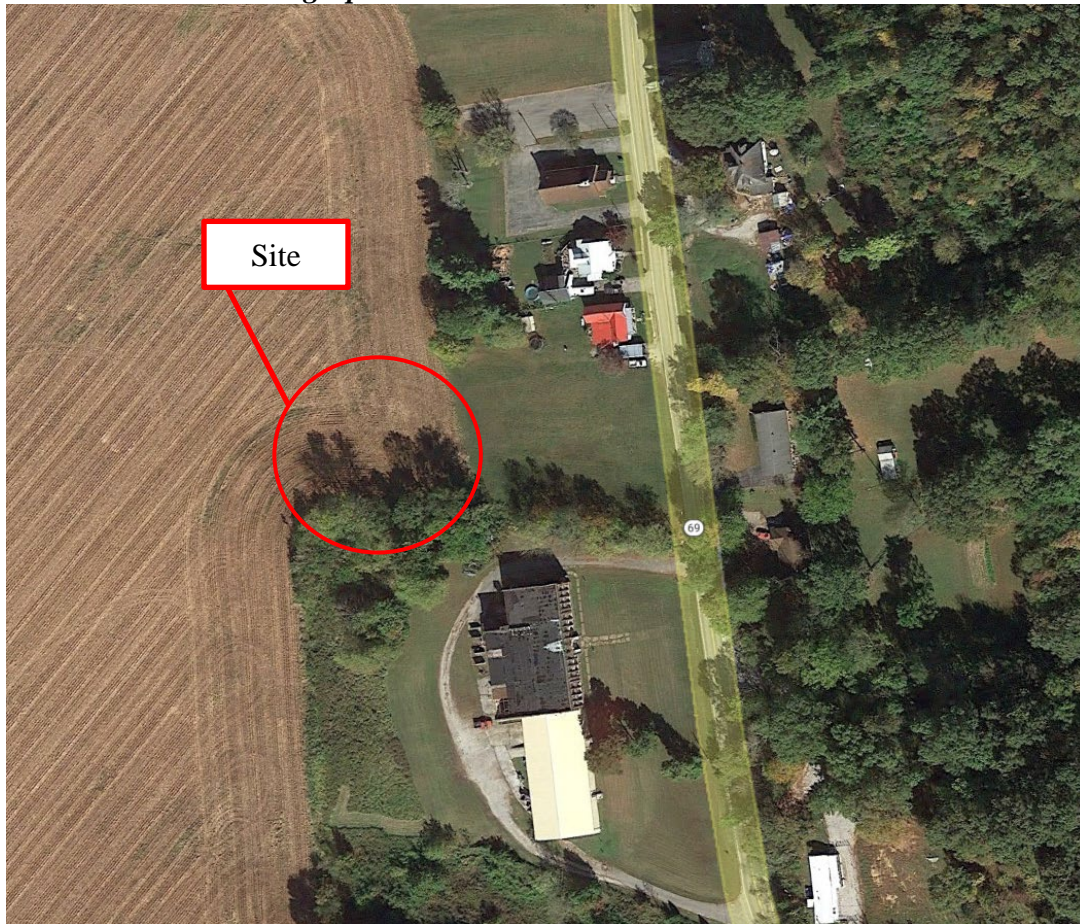
In compliance with your request, we have completed a subsurface investigation and geotechnical evaluation for the above referenced project. It is our pleasure to transmit herewith one (1) electronic copy of our report.

The purpose of this subsurface investigation was to determine the various soils profile components and the engineering characteristics of the materials encountered to provide information to be used by structural engineers for use in the design and construction of the proposed 255-foot-tall monopole communication tower.

Project Description

The site is located in northeast Ohio County to the south of Dundee, Kentucky. The tower is proposed in an agricultural field to the west of Kentucky State Route 69 as shown below (Exhibit 1).

Exhibit 1: 2020 Aerial Photograph



Field Methods

The field investigation included a reconnaissance of the project site, performing one (1) soil boring (B-1) near the tower center, performing standard penetration tests, and obtaining soil samples retained in the standard split-spoon sampler. The apparent groundwater level at the boring location was also determined.

The soil boring was performed with a drilling rig equipped with a rotary head. Conventional hollow-stem augers were used to advance the hole. The advancement of the boring was temporarily stopped at regular intervals in order to perform standard penetration tests in accordance with ASTM Procedure D-1586. The standard penetration test involves driving a split spoon soil sampler into the ground by dropping a 140-pound hammer, thirty (30) inches. The number of hammer drops required to advance the split-spoon sampler one (1) foot into the soil is defined as the standard penetration value. The soil samples retained in the split-spoon sampling device as a result of the penetration tests were obtained, classified, and labeled for further laboratory investigation.



Laboratory Investigation

A laboratory investigation was conducted to ascertain additional pertinent engineering characteristics of the subsurface materials at the site of the proposed tower. All phases of the laboratory investigation were conducted in general accordance with applicable ASTM Specifications. The laboratory testing program included:

- Visual classification of soils.
- Moisture content determination in accordance with ASTM D-2216.
- Samples of the cohesive soil were frequently tested in unconfined compression by use of a calibrated spring testing machine.
- A pocket penetrometer was used as an aid in determining the strength of the soil.

The values of the unconfined compressive strength as determined on soil samples from the split-spoon sampling must be considered approximate recognizing the manner in which they were obtained since the split-spoon sampling techniques provide a representative but somewhat disturbed soil sample.

Site Specific Subsurface Conditions

At the ground surface, the boring encountered eight (8) inches of topsoil. Beneath the topsoil, the boring encountered brown and gray silty clay or silty sandy clay to a depth of twenty-four (24) feet below the ground surface. At this depth, weathered sandstone was encountered until auger refusal at thirty-two (32) feet below the ground surface. The standard penetration values, n-values, of the overburden cohesive soils indicated a consistency of medium stiff to stiff. Moisture contents ranged from nineteen (19) to twenty-eight (28) percent. Conventional auger drilling penetrated the highly weathered sandstone several feet before refusal occurred on more competent rock.

Detailed soil descriptions at the boring location have been included on the *Boring Logs* in the Appendix of this report.

Groundwater

Water level observations made during and upon completion of drilling operations yielded groundwater as shallow as ten (10) feet beneath the existing ground surface. These measurements are noted on the *Boring Logs* presented herewith. It should be noted that the groundwater level measurement recorded on the individual *Boring Logs* in the Appendix of this report is accurate for the specific date on which the measurement was performed. It must be understood that the groundwater level will fluctuate throughout the year. The *Boring Logs* do not indicate these fluctuations.



Seismic Parameters

An evaluation of the seismic site class has been performed for this site. According to the current building code the site class should be considered as Site Class C. A detailed report generated by the USGS Earthquake Hazard program (www.seismicmaps.org) has been attached to this letter. Following are the summarized requested seismic parameters.

Seismic Parameters

Site Soil Classification	Site Class C
MCE Spectral Response Accelerations	S _s =0.355 S ₁ =0.153
Site Coefficients	F _a =1.2 F _v =1.647

Geotechnical Recommendations

Information provided by Mission 1 Communications indicates that a new 255-foot-tall monopole communications tower will be constructed at this site. This investigation was conducted to provide information for use in the design and construction of the proposed structure.

Tower Foundation Recommendations

Extended Footing or Extended Mat Foundation

The soil parameters presented in *Table 1* may be utilized for the evaluation of a shallow foundation at the tower location.

Table 1: Shallow Foundation Soil Parameters

Soil Description	Depth Below Existing Grade (feet)	Allowable Bearing Pressure (psf) FS=3	Unit Weight (pcf)	C (psf)/ Φ (°)	Adhesion (psf)
Silty Clay	3+	2,500	110	1,500	1,000



Caissons/Drilled Piers

A drilled pier can be used to support the new cell tower. Table 2 provides the soil/bedrock design parameters to dimension the foundation.

Table 2: Deep Foundation Soil Parameters

Soil Type	Depth Below Grade (Feet)	Allowable Skin Friction for Gravity Loads SF=2	Design End Bearing Pressure SF=3	Effective Unit Weight (pcf)	C (psf) / Φ (°)
Silty Clay	3 - 24	500 psf	NA	110	1,500
Weathered Sandstone	24-32	1,000 psf	8,000	125	30°
Sandstone	32+	2,000 psf*	15,000 psf*	135	--

*Presumptive bearing and skin friction values in bedrock

Statement of Limitations

Our subsurface investigation was conducted in accordance with guidelines set forth in the scope of services and applicable industry standards.

An inherent limitation of any geotechnical engineering study is that conclusions must be drawn on the basis of data collected at a limited number of discrete locations. The geotechnical parameters provided in this report were developed from the information obtained from the test boring that depicts subsurface conditions only at these specific locations and on the particular date indicated on the boring logs. .



If we can give further service in these matters, please contact us at your convenience.

Sincerely,
ALT & WITZIG ENGINEERING, INC.

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

Logan M. Folz, P.E.

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

Patrick A. Knoll, P.E.



APPENDIX

Recommended Specifications for Compacted Fills and Backfills

Boring Location Plan

Boring Logs

General Notes

U.S. Seismic Design Maps

RECOMMENDED SPECIFICATIONS FOR COMPACTED FILLS AND BACKFILLS

All fill shall be formed from material free of vegetable matter, rubbish, large rock, and other deleterious material. Prior to placement of fill, a sample of the proposed fill material should be submitted to the soils engineer for his approval. The fill material should be placed in layers not to exceed eight (8) inches in loose thickness and should be sprinkled with water as required to secure specified compactions. Each layer should be uniformly compacted by means of suitable equipment of the type required by the materials composing the fill. Under no circumstances should a bulldozer or similar tracked vehicles be used as compacting equipment. Material containing an excess of water so the specified compaction limits cannot be attained should be spread and dried to a moisture content which will permit proper compaction. All fill should be compacted to the specified percent of the maximum density obtained in accordance with ASTM density Test D-698 (100 percent of maximum dry density below and above the base of footing elevation). Should the results of the in-place density tests indicate that the specified compaction limits are not obtained; the areas represented by such tests should be reworked and retested as required until the specified limits are reached.



BORING LOCATION PLAN

PROJECT: KY 1005 EV Dundee Cell Site
LOCATION: Dundee, Kentucky
CLIENT: Mission 1 Communications
A&W File No.: 24EV0012

AW Alt & Witzig Engineering Inc.
6200 Maxwell Ave. · Evansville, IN 47715
TEL (317)875-7000 · FAX (800) 875-6028
www.altwitzig.com



BORING LOG

Alt & Witzig Engineering, Inc.

CLIENT Mission 1 Communications
 PROJECT NAME KY 1005 EV Dundee Cell Site
 PROJECT LOCATION Dundee, Kentucky

BORING # B-1
 ALT & WITZIG FILE # 24EV0012

DRILLING and SAMPLING INFORMATION

Date Started 2/21/24 Hammer Wt. 140 lbs.
 Date Completed 2/21/24 Hammer Drop 30 in.
 Boring Method HSA Spoon Sampler OD 2 in.
 Driller MATHES Rig Type B-53

TEST DATA

STRATA ELEV.	SOIL CLASSIFICATION	Strata Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics Recovery Graphics	Ground Water	Standard Penetration Test, N - blows/foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetrometer	Moisture Content % Dry Unit Weight (pcf)	Remarks
417.3	8" Asphalt	0.7		1	SS			9		3.5	26.8	
412.0	Brown and Gray Silty CLAY	6.0	5	2	SS			9	2.1	2.5	27.6	
				3	SS			10	1.6	2.0	20.5	
			10	4	SS			8	1.5	2.3	22.0	
	Brown and Gray Silty Sandy CLAY		15	5	SS			6	1.3	1.3	19.7	
			20	6	SS			10	1.6	2.0	21.3	
394.0	Brown Highly Weathered SANDSTONE	24.0	25	7	SS			16			19.8	
386.0	End of Boring at 32 feet	32.0	30	8	SS			50/1"				

Sample Type
 SS - Driven Split Spoon
 ST - Pressed Shelby Tube
 CA - Continuous Flight Auger
 RC - Rock Core
 CU - Cuttings
 CT - Continuous Tube

Groundwater
 ○ During Drilling 11.5 ft.
 ∇ At Completion 10.0 ft.

Boring Method
 HSA - Hollow Stem Augers
 CFA - Continuous Flight Augers
 DC - Driving Casing
 MD - Mud Drilling

MATERIAL GRAPHICS LEGEND

 CL-ML
USCS Low Plasticity Silty Clay

 CL
USCS Low Plasticity Sandy Clay

 SANDSTONE
Sandstone

 TOPSOIL

DRILLING AND SAMPLING SYMBOLS

GROUNDWATER SYMBOLS

- ∇ *Apparent water level noted upon completion.*
- ▼ *Apparent water level noted upon delayed time.*

SAMPLER SYMBOLS

-  SS: SPLIT SPOON
-  RC: ROCK CORE
-  MC: MACRO CORE
-  AS: AUGER SAMPLE

WELL GRAPHICS LEGEND

GENERAL NOTES - ENVIRO. (PROJECT SPECIFIC): 24EV0012 GINT.GPJ US EVAL.GDT 3/4/24



Alt & Witzig Engineering, Inc.
4105 West 99th St.
Carmel, IN 46032
Telephone:
Fax:

GENERAL NOTES

Project: KY 1005 EV Dundee Cell Site
Location: Dundee, Kentucky
Number: 24EV0012

USGS web services were down for some period of time and as a result this tool wasn't operational, resulting in *timeout* error.
 USGS web services are now operational so this tool should work as expected.



Dundee, KY 42347, USA

Latitude, Longitude: 37.5589399, -86.77276700000002



Date	3/1/2024, 9:13:45 AM
Design Code Reference Document	IBC-2015
Risk Category	II
Site Class	C - Very Dense Soil and Soft Rock

Type	Value	Description
S _S	0.355	MCE _R ground motion. (for 0.2 second period)
S ₁	0.153	MCE _R ground motion. (for 1.0s period)
S _{MS}	0.426	Site-modified spectral acceleration value
S _{M1}	0.252	Site-modified spectral acceleration value
S _{DS}	0.284	Numeric seismic design value at 0.2 second SA
S _{D1}	0.168	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	C	Seismic design category
F _a	1.2	Site amplification factor at 0.2 second
F _v	1.647	Site amplification factor at 1.0 second
PGA	0.175	MCE _G peak ground acceleration
F _{PGA}	1.2	Site amplification factor at PGA
PGA _M	0.21	Site modified peak ground acceleration
T _L	12	Long-period transition period in seconds
S _{sRT}	0.355	Probabilistic risk-targeted ground motion. (0.2 second)
S _{sUH}	0.407	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
S _{sD}	1.5	Factored deterministic acceleration value. (0.2 second)
S _{1RT}	0.153	Probabilistic risk-targeted ground motion. (1.0 second)
S _{1UH}	0.182	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S _{1D}	0.6	Factored deterministic acceleration value. (1.0 second)
PGA _d	0.6	Factored deterministic acceleration value. (Peak Ground Acceleration)

Type	Value	Description
PGA_{UH}	0.175	Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration
C_{RS}	0.871	Mapped value of the risk coefficient at short periods
C_{R1}	0.839	Mapped value of the risk coefficient at a period of 1 s
C_V		Vertical coefficient

DISCLAIMER

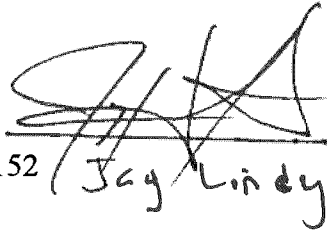
While the information presented on this website is believed to be correct, SEAOC / OSHPD and its sponsors and contributors assume no responsibility or liability for its accuracy. The material presented in this web application should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. SEAOC / OSHPD do not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the seismic data provided by this website. Users of the information from this website assume all liability arising from such use. Use of the output of this website does not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the search results of this website.

DIRECTIONS TO SITE

BEGINNING AT THE OHIO COUNTY SEAT, HARTFORD, KY, TAKE KY-69 EAST 10.3 MILES, TO SITE ENTRANCE ON LEFT, (WEST) SIDE OF THE ROAD.

PREPARED BY MISSION 1 COMMUNICATIONS, 260-436-3922

After Recording Return to:
TVT II, LLC
Attn: Jay Lindy
495 Tennessee Street, Suite 152
Memphis, Tennessee 38103



MEMORANDUM OF OPTION AND LAND LEASE AGREEMENT

MEMORANDUM OF OPTION AND LAND LEASE AGREEMENT, dated October 16, 2023 by and between Blaine Allen Luttrell and Farrah Tichenor Luttrell, husband and wife (the "Lessor") and TVT II, LLC, a Delaware limited liability company, ("Lessee") covering that certain premises located in the County of Ohio, State of Kentucky (the "Premises"), which tower site is more particularly described on Exhibit "A", attached hereto and made a part hereof by reference.

AGREEMENT

1. For good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, Lessor leases the Premises, together with all easements, rights, improvements and appurtenances thereto, to Lessee and Lessee leases the Premises from Lessor for the Terms and subject to the conditions contained in the Option and Land Lease Agreement dated October 16, 2023, between Lessor and Lessee (the "Lease").
2. The terms, provisions, covenants, conditions and agreements set forth in the Lease are incorporated herein as if fully set forth.
3. Lessee has the exclusive right to operate a communications tower on the Premises.
4. The Initial Term of the Lease, once commenced, shall continue for a period of five (5) years. Lessee has the right to extend the Initial Term of the Lease by exercising FIVE options of FIVE years each.
5. If Lessor elects, during the Initial Term of any Extension Period, to grant to a third party by easement or other legal instrument an interest in that portion of the Property occupied by Lessee, or a larger portion thereof, for the purpose of operating and maintaining communications facilities or the management thereof, with or without an assignment of this Lease Agreement to that third party, Lessee shall have the right of first refusal to meet the third-party offer of transfer on the same terms and conditions of that offer, excluding those terms which are not imposed in good faith or which are designed to defeat the parties intent hereunder by imposing terms that require LESSEE to share any part or all of Lessee's revenues, of any nature, generated from Lessee's use of the Leased Premises.
6. This Agreement is executed for recording purposes only and is not intended to be a summary of the Lease, and is subject to the terms of that the Lease. In the event of conflict between this Agreement and the Lease, the Lease shall control.
7. This Agreement shall inure to the benefit of and be binding upon the parties hereto, their respective heirs, representatives, successors and assigns.

[Signatures on next page]



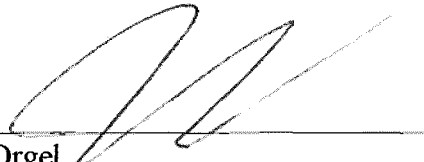
OHIO COUNTY
D459 PG598

Site Name: EV Dundee
Site Number: KY 1005

IN WITNESS WHEREOF, the parties have executed this MEMORANDUM OF OPTION AND LAND LEASE AGREEMENT as of the day and year first above written.

LESSEE:

TVT II, LLC
495 Tennessee Street, Suite 152
Memphis, TN 38103

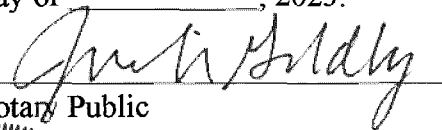


William Orgel
Its: President

State of Tennessee
County of Shelby

Before me, a Notary Public in and for said State and County, duly commissioned and qualified, personally appeared William Orgel, with whom I am personally acquainted, and who, upon oath, acknowledged himself to be the President of TVT II, LLC, a limited liability company, and that he executed the foregoing instrument for the purposes therein contained, by signing the name of the company by himself as such officer.

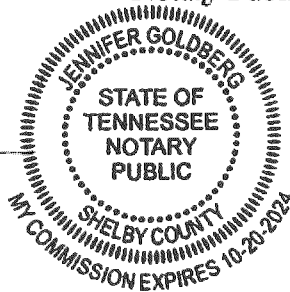
Witness my hand, at office, this 16th day of OCT., 2023.



Notary Public

My Commission Expires:

10/20/24



OHIO COUNTY
D459 PG599

Site Name: EV Dundee
Site Number: KY 1005

LESSOR:

By: Blaine Luttrell
Blaine Allen Luttrell
Its: Owner

LESSOR:

By: Farah Tichenor Luttrell
Farrah Tichenor Luttrell
Its: Owner

STATE OF Ky
COUNTY OF Ohio

On this 5 day of Oct, 2023, before me personally appeared Blaine Allen Luttrell, to me known (or proved to me on the basis of satisfactory evidence) to be the persons described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and Official Seal at office this 5 day of Oct, 2023.
Jerrianna Conner
Notary Public
Kynp 6801

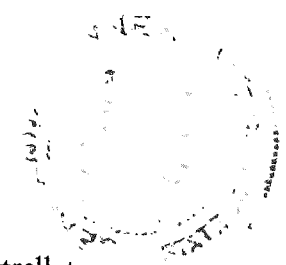
My Commission Expires: 4/25/27

STATE OF Ky
COUNTY OF Ohio

On this 5 day of Oct, 2023, before me personally appeared Farrah Tichenor Luttrell, to me known (or proved to me on the basis of satisfactory evidence) to be the persons described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS my hand and Official Seal at office this 5 day of Oct, 2023.
Jerrianna Conner
Notary Public
Kynp 6801

My Commission Expires: 4/25/27



**OHIO COUNTY
D459 PG600**

EXHIBIT "A"

The Leased Premises is described and/or depicted as follows:

A 100' by 100' Tower Lease Area,
Access and Utility Easements all of which are part of the property located at 11473 State Route 69, Dundee, Ohio County, Kentucky.
Tax parcel identification number 49-A-44 & 49-A-41A-1.

EV DUNDEE DESCRIPTIONS

LEASE AREA DESCRIPTION

A PART OF PARCEL 1, TOWN LOT NO. 2 AND A PART OF PARCEL 2 SITUATED IN DUNDEE, OHIO COUNTY, KENTUCKY, SAID PARCELS BEING TAX PARCEL 49-1-44 AND 49-A-41A-1 AS RECORDED BY QUITCLAIM DEED IN DEED BOOK 438, PAGE 709 AND ALSO RECORDED IN DEED BOOK 456, PAGE 197 AND MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT AN IRON PIN FOUND AT THE NORTHWEST CORNER OF TAX PARCEL 49-A-41A-A; THENCE SOUTH 69 DEGREES 11 MINUTES 48 SECONDS EAST 34.07 FEET TO THE NORTHWEST LEASE CORNER AND BEING THE TRUE PLACE OF BEGINNING; THENCE NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 100.00 FEET; THENCE SOUTH 02 DEGREES 33 MINUTES 07 SECONDS EAST 100.00 FEET; THENCE SOUTH 87 DEGREES 26 MINUTES 53 SECONDS WEST 100.00 FEET; THENCE NORTH 02 DEGREES 33 MINUTES 07 SECONDS WEST 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 PARCEL 1, TOWN LOT NO. 2 AND A PART OF PARCEL 2 SITUATED IN DUNDEE, OHIO COUNTY, KENTUCKY, SAID PARCELS BEING TAX PARCEL 49-1-44 AND 49-A-41A-1 AS RECORDED BY QUITCLAIM DEED IN DEED BOOK 438, PAGE 709 AND ALSO RECORDED IN DEED BOOK 456, PAGE 197 AND MORE PARTICULARLY DESCRIBED AS FOLLOWS;

COMMENCING AT AN IRON PIN FOUND AT THE NORTHWEST CORNER OF TAX PARCEL 49-A-41A-A; THENCE SOUTH 69 DEGREES 11 MINUTES 48 SECONDS EAST 34.07 FEET TO THE NORTHWEST LEASE CORNER; THENCE NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING; THENCE CONTINUING NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 30.00 FEET; THENCE SOUTH 02 DEGREES 33 MINUTES 07 SECONDS EAST 35.00 FEET; THENCE NORTH 87 DEGREES 26 MINUTES 53 SECONDS EAST 219.00 FEET; THENCE SOUTH 06 DEGREES 57 MINUTES 36 SECONDS EAST 30.09 FEET; THENCE SOUTH 87 DEGREES 26 MINUTES 53 SECONDS WEST 221.31 FEET; THENCE SOUTH 02 DEGREES 33 MINUTES 07 SECONDS EAST 35.00 FEET; THENCE SOUTH 87 DEGREES 26 MINUTES 53 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE CORNER; THENCE ALONG THE EAST LEASE LINE NORTH 02 DEGREES 33 MINUTES 07 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 9605 SQUARE FEET, (0.22 ACRES), MORE OR LESS.

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

**OHIO COUNTY
D459 PG601**

This Exhibit, including a description of any easements necessary for Lessee's Intended Use (including utility and access easements), may be replaced by a legal description from a land survey of the Leased Premises once Lessee receives it.

Setback of the Leased Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.

Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

Width of the landscaping easement shall be the width required by the applicable governmental authorities.

DOCUMENT NO: 198497
RECORDED: 3/1/2024 9:51:32 AM
VIA ERECORDING
TRANSFER TAX: \$0.00
TOTAL FEES: \$50.00
COUNTY CLERK: BESS T RALPH
DEPUTY CLERK: KELLY BAIZE
COUNTY: OHIO COUNTY
BOOK: D459 PAGES: 597-601

Notification Listing

Parcel Number 49-A-41A-1
 LUTTRELL BLAINE & FARRAH
 PO BOX 144
 DUNDEE, KY 42338

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search... Q

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

Summary

Parcel Number: **49-A-41A-1**
 Account Number: 36385
 Location Address: STATE RT 69 N
 Description: .581 AC
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County
[View Map](#)

Owners

Primary Owner: [LUTTRELL BLAINE & FARRAH](#)
 PO BOX 144
 DUNDEE, KY 42338

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
7/18/2023	\$3,500	Partial Sale	456-197	LUTTRELL BLAINE & FARRAH	LUTTRELL PAUL

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 49-A-41A
 LUTTRELL FARMS INC
 5276 CEDAR GROVE RD
 OLATON, KY 42361

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

Summary

Parcel Number: 49-A-41A
 Account Number: 8072
 Location Address: STATE RT 69 N
 Description: ST RTE 69 N-TRACT 3-1.13 AC
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County
[View Map](#)

Owners


Primary Owner: [LUTTRELL FARMS INC](#)
 5276 CEDAR GROVE RD
 OLATON, KY 42361

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
5/1/1995	\$0	Real Estate Exchange	296/768	LUTTRELL FARMS INC	ROSS BRYAN & LAURA

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 49-A-44
 LUTTRELL BLAINE
 PO BOX 144
 DUNDEE, KY 42338

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

Summary

Parcel Number 49-A-44
 Account Number 33120
 Location Address STATE RT 69 N
 Description 1 AC/ OLD HOUSE
 (Note: Not to be used on legal documents)
 Class Residential
 Tax District 00 County

[View Map](#)

Owners


Primary Owner
[LUTTRELL BLAINE](#)
 PO BOX 144
 DUNDEE, KY 42338

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
6/5/2020	\$0	Obligation Transfer	438-709	LUTTRELL BLAINE	
6/5/2020	\$0	Close Relative Sale	438-706	LUTTRELL BLAINE	LUTTRELL DARREN & DEBBIE &

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 49-A-47
 JOHNSON TIMOTHY NEIL & IRIS
 P O BOX 172
 BEAVER DAM, KY 42320

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

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

Summary

Parcel Number 49-A-47
 Account Number 7057
 Location Address STATE RT 69 N 11449
 Description 11449 ST RTE 69 N-S AC & BLDG
 (Note: Not to be used on legal documents)
 Class Commercial
 Tax District 00 County

[View Map](#)

Owners


Primary Owner
[JOHNSON TIMOTHY NEIL & IRIS](#)
 P O BOX 172
 BEAVER DAM, KY 42320-

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
9/1/2000	\$0	Expansion Sale	327-156	JOHNSON TIMOTHY NEIL & IRIS	D A M E

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 49-A-41C-A&D
 LUTTRELL PAUL
 2065 GROVE BLUFF RD
 JACKSONVILLE, FL 32259

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

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

Summary

Parcel Number: 49-A-41C-A&D
 Account Number: 28463
 Location Address: STATE RT 69 N
 Description: 22.8238 AC
 (Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 00 County

[View Map](#)

Owners


Primary Owner: [LUTTRELL PAUL](#)
 2065 GROVE BLUFF RD
 JACKSONVILLE, FL 32259

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/23/2015	\$0	Close Relative Sale	413-501	LUTTRELL PAUL	LUTTRELL PAUL & ETAL
10/22/2015	\$0	Close Relative Sale	413-479	LUTTRELL PAUL & ETAL	LUTTRELL LESTER R
7/13/2006	\$0	Close Relative Sale	362-018	LUTTRELL LESTER R	LUTTRELL FARMS INC
5/1/1995	\$0	Real Estate Exchange	296/768	LUTTRELL FARMS INC	ROSS BRYAN & LAURA

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

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Parcel Number 49-A-43
 KENT JAMES G & HATTIE J
 P O BOX 568
 HARTFORD, KY 42347

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

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

Summary

Parcel Number: 49-A-43
 Account Number: 27152
 Location Address: STATE RT 69 N 11495
 Description: HOUSE/LOT
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County

[View Map](#)

Owners


Primary Owner: KENT JAMES G & HATTIE J
 P O BOX 568
 HARTFORD, KY 42347

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
8/28/2014	\$29,000	Annual Twice-Sold	406-479	KENT JAMES G & HATTIE J	CHINN NOBLE & MARTY SHEPARD

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

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Parcel Number 49-A-42
 CLAYTON JOSEPH D & HEATHER R
 11525 STATE RT 69 N
 DUNDEE, KY 42338

qPublic.net™ Ohio County, KY PVA Elizabeth Williams ▾ Search

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

Summary

Parcel Number: 49-A-42
 Account Number: 29113
 Location Address: STATE RT 69 N 11525
 Description: HOUSE/ GAR/ LOT
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County

[View Map](#)

Owners

Primary Owner: CLAYTON JOSEPH D & HEATHER R
 11525 STATE RT 69 N
 DUNDEE, KY 42338

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
8/5/2016	\$93,000	Arms-Length Transaction	417-091	CLAYTON JOSEPH D & HEATHER R	BATES WONDAL & MAXINE
4/25/2013	\$79,500	Other	399-742	BATES WONDAL & MAXINE	COTTON CHARLES R & MICHELLE R

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M-F 8:00 a.m. - 4:30 p.m.

Hours
 M-F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 49-A-41C-1
 GOSPEL OF THE KINGDOM CHURCH
 AT DUNDEE
 503 UTLEY DR
 HARTFORD, KY 42347

qPublic.net™ Ohio County, KY PVA Elizabeth Williams ▾ Search

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

Summary

Parcel Number: 49-A-41C-1
 Account Number: 34561
 Location Address: STATE RT 69 N
 Description: CHURCH/ LOT
(Note: Not to be used on legal documents)
 Class: Exempt Religious
 Tax District: 00 County

[View Map](#)

Owners


Primary Owner: GOSPEL OF THE KINGDOM CHURCH
 AT DUNDEE
 503 UTLEY DR
 HARTFORD, KY 42347

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
8/13/2021	\$0	Other	445-215	GOSPEL OF THE KINGDOM CHURCH	SUMNER JOEL
10/23/2020	\$16,500	Transfer Tax Not Paid	441-140	SUMNER JOEL	DUNDEE METHODIST CHURCH

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M-F 8:00 a.m. - 4:30 p.m.

Hours
 M-F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

[How to use the Beacon site - view Demo Videos](#)

Parcel Number 49-A-40
 DUNDEE COMMUNITY DAY, INC
 C/O RUSH MIDKIFF
 228 FOSTER RD
 HARTFORD, KY 42347

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 49-A-40
 Account Number: 3929
 Location Address: STATE RT 69 N 11640
 Description: ST RTE 69 N-MASONIC LODGE
(Note: Not to be used on legal documents)
 Class: Exempt State
 Tax District: 00 County
[View Map](#)


Owners

Primary Owner:
 DUNDEE COMMUNITY DAY, INC
 C/O RUSH MIDKIFF
 228 FOSTER RD
 HARTFORD, KY 42347-

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
8/1/2000	\$0	Obligation Transfer	326/523	DUNDEE COMMUNITY DAY, INC	DUNDEE MASONIC LODGE F & AM



Information

Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

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Parcel Number 50-1-2
 BEVIL SYLVIA & ETAL
 660 C BECK RD
 CROMWELL, KY 42320

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 50-1-2
 Account Number: 36511
 Location Address: STATE RT 69 N 11500
 Description: HOUSE/72 AC
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County
[View Map](#)


Owners

Primary Owner:
 BEVIL SYLVIA & ETAL
 660 C BECK RD
 CROMWELL, KY 42320

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/5/2023	\$0	Obligation Transfer	457-499	BEVIL SYLVIA & ETAL	PHELPS JACOB
3/24/2023	\$15,000	Arms-Length Transaction	454-330	PHELPS JACOB	WESTERN KENTUCKY LAND & RENTALS LLC



Information

Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

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Parcel Number 50-1-3
 PRIEST EDDIE
 2683 WELDON RD
 MARION, KY 42064

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 50-1-3
 Account Number: 25858
 Location Address: STATE RT 69 N
 Description: 1.19 AC
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County

[View Map](#)

Owners


Primary Owner: [PRIEST EDDIE](#)
 2683 WELDON RD
 MARION, KY 42064

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
4/1/2013	\$0	Close Relative Sale	399-344	PRIEST EDDIE	DODSON HAZEL PRIEST
	\$0		186-091	PRIEST JAMES OVERTON & HAZEL	

Information



Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

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Parcel Number 49-A-45
 TALLEY BOBBY L & DONNA J
 11476 STATE RTE 69 N
 DUNDEE, KY 42338

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 49-A-45
 Account Number: 12744
 Location Address: STATE RT 69 N 11476
 Description: 11476 ST RTE 69 N-12 AC & HOUSE
 (Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 00 County

[View Map](#)

Owners

Primary Owner: [TALLEY BOBBY L & DONNA J](#)
 11476 STATE RTE 69 N
 DUNDEE, KY 42338

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
	\$0		234-728	TALLEY BOBBY L & DONNA J	

Information




Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M- F 8:00 a.m. - 4:30 p.m.

Hours
 M- F 8:00 a.m. - 4:30 p.m.

Ohio County PVA
[Arthur Leach](#)
 (270)-298-4433

Announcements

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Parcel Number 49-A-45A
 MERRITT RENTALS LLC
 9399 HERBERT RD
 WHITESVILLE, KY 42378

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 49-A-45A
 Account Number: 34563
 Location Address: STATE RT 69 N 11476
 Description: HOUSE/LOT
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County

[View Map](#)


Owners

Primary Owner: MERRITT RENTALS LLC
 9399 HERBERT RD
 WHITESVILLE, KY 42378

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
8/13/2021	\$61,000	Annual Twice-Sold	445-221	MERRITT RENTALS LLC	GOSPEL OF THE KINGDOM CHURCH
8/13/2021	\$0	Annual Twice-Sold	445-215	GOSPEL OF THE KINGDOM CHURCH	SUMNER JOEL
10/23/2020	\$0	Transfer Tax Not Paid	441-140	SUMNER JOEL	METHODIST PARSONAGE



Information

Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M-F 8:00 a.m. - 4:30 p.m.

Hours: M-F 8:00 a.m. - 4:30 p.m.
 Ohio County PVA
 Arthur Leach
 (270)-298-4433

Announcements

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Parcel Number 49-A-46 & 49
 EDGE LAWRENCE W & TERESA S
 11446 STATE RT 69
 DUNDEE, KY 42338

qPublic.net™ Ohio County, KY PVA Elizabeth Williams Search search...

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

Summary

Parcel Number: 49-A-46 & 49
 Account Number: 32975
 Location Address: STATE RT 69 N 11446
 Description: HOUSE/BLDG/ 8 AC
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 County

[View Map](#)


Owners

Primary Owner: EDGE LAWRENCE W & TERESA S
 11446 STATE RT 69
 DUNDEE, KY 42338

Valuation

Sales

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
5/18/2020	\$20,000	Multiple Properties	438-107	EDGE LAWRENCE W & TERESA S	MYERS JEFFREY
7/1/2001	\$0	Arms-Length Transaction	332-056	MYERS JEFFREY	GRAY BRIAN K & JOYCE LYNN
8/1/1997	\$0	Arms-Length Transaction		GRAY BRIAN K & JOYCE LYNN	BEVIL CHRISTA



Information

Ohio County, KY PVA
 301 S Main Street
 Hartford, KY 42347
 M-F 8:00 a.m. - 4:30 p.m.

Hours: M-F 8:00 a.m. - 4:30 p.m.
 Ohio County PVA
 Arthur Leach
 (270)-298-4433

Announcements

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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

March 14, 2024


**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Dundee**

Cellco Partnership, d/b/a Verizon Wireless and Tower Ventures are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on the west side of State Highway 69, just south of unincorporated Dundee, KY, 42238 (North Latitude: $37^{\circ} 33' 21.13''$, West Longitude $86^{\circ} 46' 26.17''$). The proposed facility will include a 255-foot tall antenna tower, plus a 10-foot lightning arrestor and related ground facilities. Site name is Dundee. 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 2024-00065 in any correspondence sent in connection with this matter.

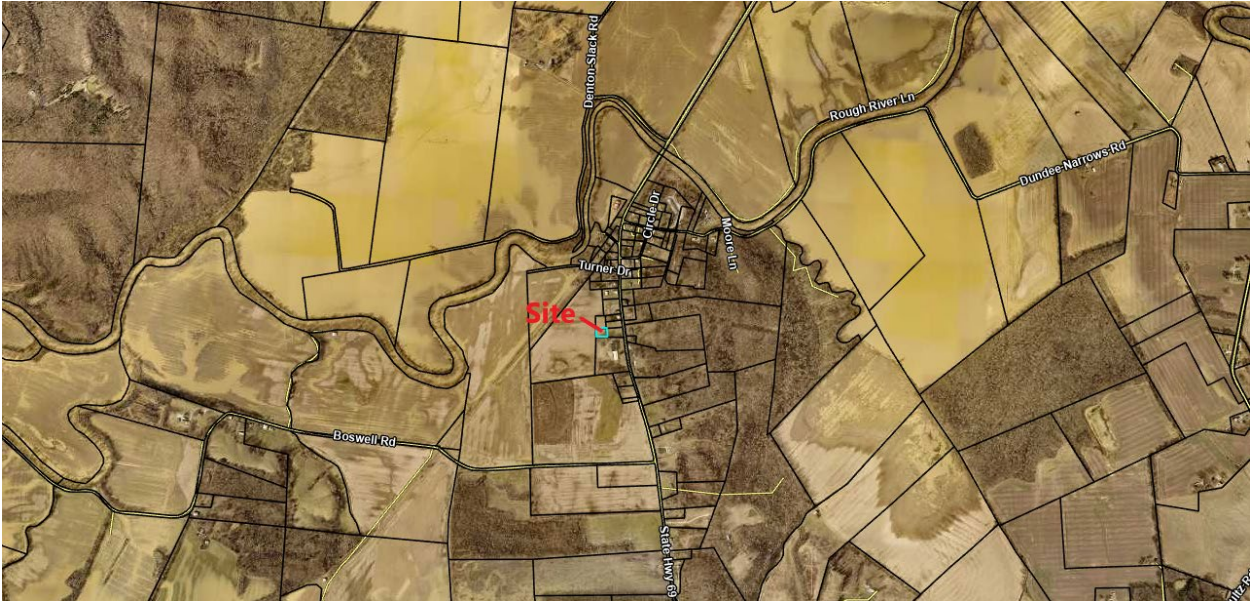
We have attached a map showing the site location for the proposed tower. Applicant's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area.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



Vicinity Map



Focused Location

CERTIFIED MAIL

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



9589 0710 5270 0471 4849 24

LUTTRELL BLAINE & FARRAH
PO BOX 144
DUNDEE, KY 42338

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LUTTRELL FARMS INC
5276 CEDAR GROVE RD
OLATON, KY 42361

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DUNDEE, KY 42338

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KENT JAMES G & HATTIE J
P O BOX 568
HARTFORD, KY 42347

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CLAYTON JOSEPH D & HEATHER R
11525 STATE RT 69 N
DUNDEE, KY 42338

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GOSPEL OF THE KINGDOM CHURCH
AT DUNDEE
503 UTLEY DR
HARTFORD, KY 42347

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DUNDEE COMMUNITY DAY, INC
C/O RUSH MIDKIFF
228 FOSTER RD
HARTFORD, KY 42347

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BEVIL SYLVIA & ETAL
660 C BECK RD
CROMWELL, KY 42320

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MARION, KY 42064

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TALLEY BOBBY L & DONNA J
11476 STATE RTE 69 N
DUNDEE, KY 42338

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MERRITT RENTALS LLC
9399 HERBERT RD
WHITESVILLE, KY 42378

CERTIFIED MAIL[®]



9589 0710 5270 0471 4851 12

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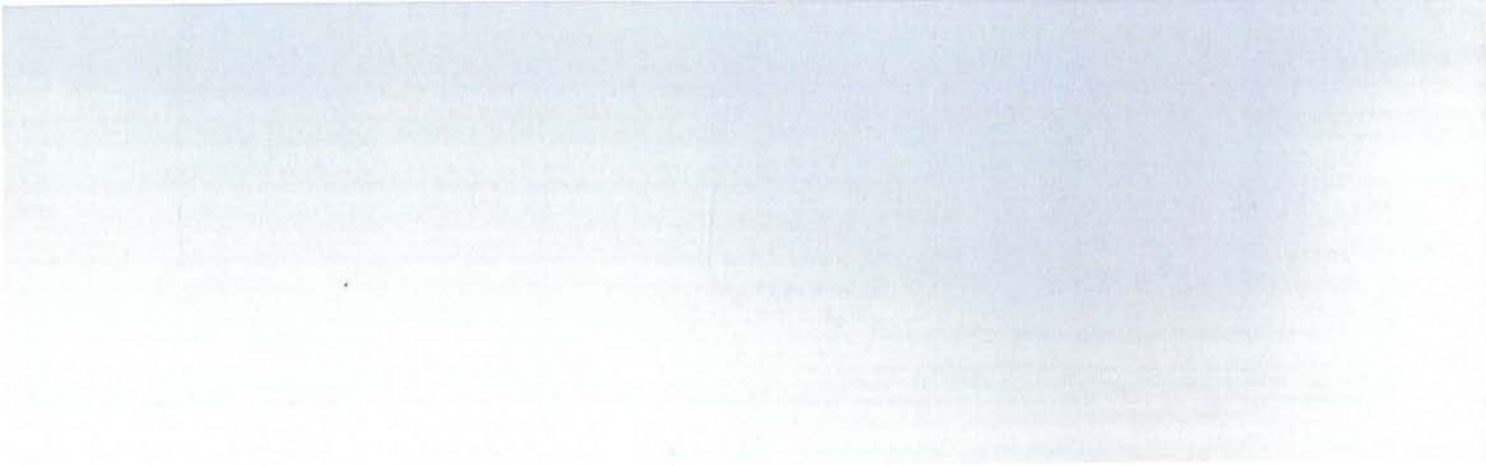


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EDGE LAWRENCE W & TERESA S
11446 STATE RT 69
DUNDEE, KY 42338

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Clark, Quinn, Moses, Scott & Grahn, LLP



SENDER: COMPLETE THIS SECTION

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1. Article Addressed to:

CLAYTON JOSEPH D & HEATHER R
 11525 STATE RT 69 N
 DUNDEE, KY 42338



9590 9402 8749 3310 9104 47

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 17

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Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature X Agent
 Addressee

B. Received by (Printed Name) Date of Delivery 3/16

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

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Restricted Delivery
 Insured Mail Mail Restricted Delivery (00)

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:

GOSPEL OF THE KINGDOM CHURCH
 AT DUNDEE
 503 UTLEY DR
 HARTFORD, KY 42347



9590 9402 8749 3310 9104 30

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 00

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A. Signature X Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery 3/16

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

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Restricted Delivery
 Insured Mail Mail Restricted Delivery (00)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

DUNDEE COMMUNITY DAY, INC
 C/O RUSH MCKIFF
 228 FOSIER RD
 HARTFORD, KY 42347



9590 9402 8749 3310 9104 23

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4848 94

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

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COMPLETE THIS SECTION ON DELIVERY

A. Signature X Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery 3/16

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

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Signature Confirmation™
 Certified Mail Restricted Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Restricted Delivery
 Insured Mail Mail Restricted Delivery (00)

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:

TALLEY BOBBY L & DONNA J
 11476 STATE RTE 69 N
 DUNDEE, KY 42338



9590 9402 8749 3310 9103 93

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4851 36

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

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
 X *Bobby L Talley*
- B. Received by (Printed Name) C. Date of Delivery
Bobby L Talley _____
- D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restrict
 Certified Mail® Delivery
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation
 Collect on Delivery Restricted Delivery 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:

PRIEST EDDIE
 2683 WELDON RD
 MARION, KY 42064



9590 9402 8749 3310 9104 09

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4850 20

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

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
 X *Eddie Priest*
- B. Received by (Printed Name) C. Date of Delivery
Eddie Priest 3/15/24
- D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restrict
 Certified Mail® Delivery
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation
 Collect on Delivery Restricted Delivery 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:

LUTTRELL BLAINE & FARRAH
 PO BOX 144
 DUNDEE, KY 42338



9590 9402 8749 3310 9105 08

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 24

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

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent
 Addressee
 X *Kathy Taylor*
- B. Received by (Printed Name) C. Date of Delivery
Kathy Taylor 3/18
- D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restrict
 Certified Mail® Delivery
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation
 Collect on Delivery Restricted Delivery 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:

LUTTRELL BLAINE
 PO BOX 144
 DUNDEE, KY 42338



9590 9402 8749 3310 9104 85

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 48

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Kathy Taylor*

- Agent
- Addressee

B. Received by (Printed Name)

Kathy Taylor

C. Date of Delivery

3/18

- 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 (500)

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:

JOHNSON TIMOTHY NEIL & IRIS
 P O BOX 172
 BEAVER DAM, KY 42320



9590 9402 8749 3310 9104 78

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 55

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

- 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 (500)

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:

EDGE LAWRENCE W & TERESA S
 11446 STATE RT 69
 DUNDEE, KY 42338



9590 9402 8749 3310 9103 79

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4851 12

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Teresa Edge

- Agent
- Addressee

B. Received by (Printed Name)

Teresa Edge

C. Date of Delivery

3-20-24

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 (over \$500)
- 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:

LUTTRELL PAUL
 2065 GROVE BLUFF RD
 JACKSONVILLE, FL 32259



9590 9402 8749 3310 9104 61

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 62

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Paul Luttrell

- Agent
- Addressee

B. Received by (Printed Name)

Paul Luttrell

C. Date of Delivery

02/20/20

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- 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:

LUTTRELL FARMS INC
 5276 CEDAR GROVE RD
 OLATON, KY 42361



9590 9402 8749 3310 9104 92

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 31

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Darren Luttrell

- Agent
- Addressee

B. Received by (Printed Name)

Darren Luttrell

C. Date of Delivery

3-25

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- 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:

BEVIL SYLVIA & ETAL
660 C BECK RD
CROMWELL, KY 42320



9590 9402 8749 3310 9104 16

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4850 13

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Kathy Bevil* Agent
 Addressee

B. Received by (Printed Name)

Kathy Bevil

C. Date of Delivery

3-22-20

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (00)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

KENT JAMES G & HATTIE J
P O BOX 568
HARTFORD, KY 42347



9590 9402 8749 3310 9104 54

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4849 79

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Hattie Kent*

- Agent
- Addressee

B. Received by (Printed Name)

Hattie Kent

C. Date of Delivery

4-2-24

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
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

ALERT: SEVERE WEATHER CONDITIONS ACROSS THE U.S. MAY DELAY FINAL DELIVERY OF Y...

USPS Tracking®

[FAQs >](#)

Tracking Number:

[Remove X](#)

9589071052700471485129

[Copy](#)

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

Latest Update

This is a reminder to arrange for redelivery of your item or your item will be returned to sender.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Feedback

Delivery Attempt

Reminder to Schedule Redelivery of your item

March 21, 2024

Notice Left (No Authorized Recipient Available)

WHITESVILLE, KY 42378

March 16, 2024, 3:13 pm

[See All Tracking History](#)

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

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less 

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)



www.clarkquinnlaw.com

Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

March 14, 2024

Via Certified Mail, Return Receipt Requested
9589 0710 5270 0471 4851 05

David Johnston, Judge Executive
Ohio County
130 E. Washington St.
Suite 215
Hartford, KY 42347

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2024-00065
Site Name: Dundee

Dear Judge Johnston:

Cellco Partnership, d/b/a Verizon Wireless and Tower Ventures are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on the west side of State Highway 69, just south of unincorporated Dundee, KY, 42238 (North Latitude: (37° 33' 21.13", West Longitude 86° 46' 26.17"). The proposed facility will include a 255-foot tall antenna tower, plus an 11-foot lightning arrestor and related ground facilities. Site name is Dundee. 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 2024-00065 in any correspondence sent in connection with this matter.

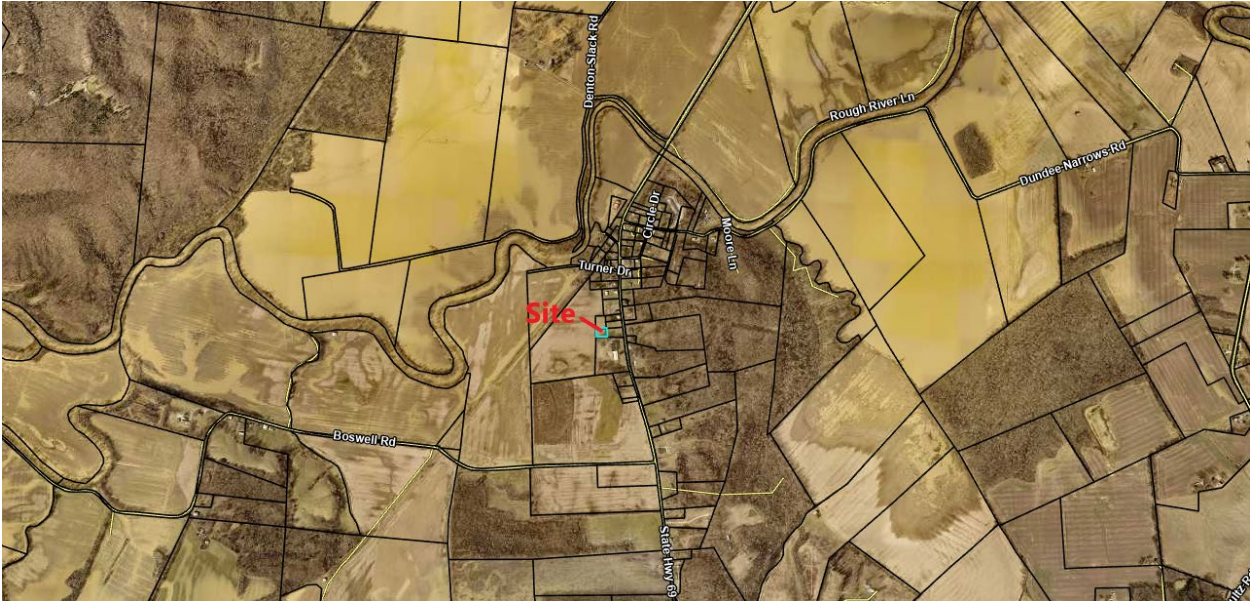
We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
Russell L. Brown

A handwritten signature in black ink, appearing to read 'RLB'.

Attorney for Applicant
RLB/mnw
Enclosures

Location Maps



Vicinity Map



Focused Location

CERTIFIED MAIL®



9589 0710 5270 0471 4851 05

FIRST-CLASS



US POSTAGE™ PITNEY BOWES



ZIP 46204 \$ 008.69⁰
02 7H
0006035028 MAR 14 2024

David Johnston, Judge Executive
Ohio County
130 E. Washington St.
Suite 215
Hartford, KY 42347

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

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:

David Johnston, Judge Executive
Ohio Court
130 E. Washington St.
Suite 215
Hartford, KY 42347



9590 9402 8749 3310 9102 63

2. Article Number (Transfer from service label)

9589 0710 5270 0471 4851 05

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Handwritten 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
- Mail Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SITE NAME: DUNDEE 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.

Tower Ventures and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00065 in your correspondence.

Tower Ventures and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00065 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: ads@octimesnews.com

Land Use Consultant
Elizabeth Bentz Williams, AICP

Ohio County Times-News
P.O. Box 226
Hartford, KY 42347

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

Registered Civil Mediator

RE: Legal Notice Advertisement
Site Name: Dundee

To Whom It May Concern,

Please publish the following legal notice advertisement in the next available edition of the Ohio County Times-News:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless and Tower Ventures are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on the west side of State Highway 69, just south of unincorporated Dundee, KY, 42238 (North Latitude: (37° 33' 21.13", West Longitude 86° 46' 26.17"). The proposed facility will include a 255-foot tall antenna tower, plus a 10-foot lightning arrestor and related ground facilities. Site name is Dundee. 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 2024-00065 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

RF Design Search Area TVT KY1005 EV Dundee



Design Area Center Coordinates: 37.553725, -86.77196667



March, 19th, 2024

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

Site Name: EV Dundee

Type of Tower: 255 ft. Self-Support

Location: 11473 State Route 69, Dundee, KY 42338 Ohio 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 Dundee.

The EV Dundee site is proposed with the below objectives:

1. To improve cellular service for the residents and businesses in Ohio County near Dundee, KY. Also living and traveling along HWY-69 & HWY-878.
2. To offload existing traffic of existing Verizon sites in this area.

Currently the area is experiencing poor service along HWY-69, HWY-878, and in the residential areas near Dundee, KY. 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 255 feet with a Verizon Wireless Centerline of 250'. The new structure height was decided upon to best cover HWY-69, HWY-878, 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. 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.



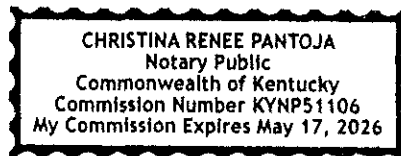
Verizon Wireless design engineers establish search area criteria in order to effectively meet coverage objectives as well as offload existing Verizon cell sites. When met, the criterion also reduces the need for a new site to cover the area in the immediate future. Each cellular site covers a limited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

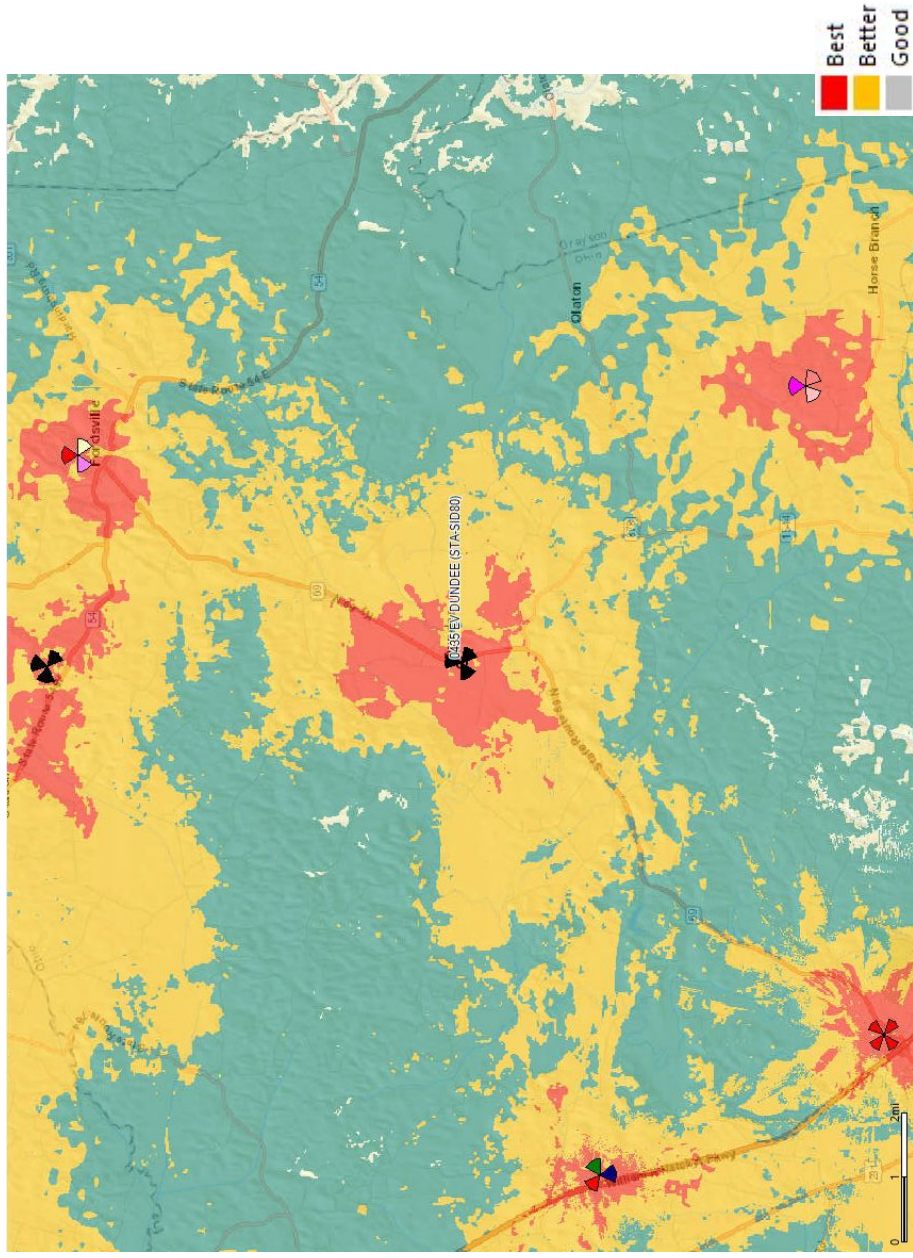
This cell site has been designed, and shall be constructed and operated in a manner that satisfies regulations and requirements of all applicable governmental agencies that have been charged with regulating tower specifications, operation, construction, and placement, including the FAA and FCC.

Sincerely,

Steven Belcher
Senior RF Engineer
Verizon Wireless



Coverage - With Proposed EV Dundee



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 Wayne, IN 46804

Ralph M. Wallem
Professional Land Surveyor
Kentucky License 25311
Benchmark Services, Inc.
318 North Main Street
Huntingburg, IN 47542

Brad H. Milanowski
Professional Engineer
Kentucky License 28165
B + T Group
S. 1717 S. Boulder Ave, Suite 300
Tulsa, OK 74119

Patrick A Knoll
Professional Engineer
Kentucky License 18878
Alt & Witzig Engineering, Inc.
6200 East Maxwell Avenue, Suite C
Evansville, IN 47715

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

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

