

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

In the Matter of:

THE APPLICATION OF)	
THE TOWERS, LLC D/B/A VERTICAL BRIDGE)	
AND CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)	CASE NO.: 2025-00100
CONVENIENCE AND NECESSITY TO CONSTRUCT)	
A WIRELESS COMMUNICATIONS FACILITY)	
IN THE COMMONWEALTH OF KENTUCKY)	
IN THE COUNTY OF GARRARD)	

SITE NAME: BRINDLE RIDGE

* * * * *

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

The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless (“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 Verizon Wireless with wireless communications services.

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

1. The complete name and address of the Applicants are: The Towers, LLC d/b/a Vertical Bridge, a Delaware limited liability company having an address of 750 Park of

Commerce Drive, Suite 200, Boca Raton, Florida 33487 and Cellco Partnership d/b/a Verizon Wireless having an address of 2421 Holloway Road, Louisville, Kentucky 40299.

2. 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 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.

3. The Towers, LLC d/b/a Vertical Bridge is a limited liability company organized in the State of Delaware. The Towers, LLC's Certificate of Good Standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. The Towers, LLC is in good standing in the state in which it is organized and further states that it is authorized to transact business in Kentucky, and a copy of the Certificate of Authorization issued by the Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

4. Cellco Partnership d/b/a Verizon Wireless is a Delaware general partnership, and a copy of the Statement of Good Standing from Delaware and Certificate of Assumed Name on file with the Kentucky Secretary of State are included as part of **Exhibit A**. Verizon Wireless is in good standing in the state in which they are organized and further state that they are authorized to transact business in Kentucky.

5. Cellco Partnership d/b/a Verizon Wireless operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of Cellco Partnership d/b/a Verizon Wireless' FCC applications and licenses to provide wireless services are attached to this Application or described as part of

Exhibit A, and the facility will be constructed and operated in accordance with applicable FCC regulations.

6. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve wireless services to an area currently not served or not adequately served by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in Verizon Wireless' communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in Verizon Wireless' network design that must be in place to provide adequate coverage to the service area.

7. To address the above-described service needs, Applicants propose to construct a WCF in a lease area located at 4744 Copper Creek Road, Berea, KY 40403 (37° 28' 29.42" North latitude, 84° 22' 38.46" West longitude) on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Robert Gordon Chasteen pursuant to a deed recorded at Deed Book 255, Page 660 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall self-support tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 265-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of radio electronics equipment and appurtenant equipment. The 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 B** and **Exhibit C**.

8. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete is attached as **Exhibit D**.

9. 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 Verizon Wireless has also been included as part of **Exhibit B**.

10. 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 C**.

11. Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have 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 antennas on an existing structure. When suitable towers or structures exist, carriers attempt to co-locate on existing structures such as communications towers or other structures capable of supporting carrier's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

12. A Determination of No Hazard to Air Navigation issued by the Federal Aviation Administration ("FAA") for the proposed tower is attached as **Exhibit E**.

13. A copy of the Kentucky Airport Zoning Commission ("KAZC") application for the proposed construction is attached as **Exhibit F**.

14. A geotechnical engineering firm has performed soil boring(s) and subsequent geotechnical engineering studies at the WCF site. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as **Exhibit G**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of this exhibit.

15. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit H**. The name and telephone number of the preparer of **Exhibit H** are included as part of this exhibit.

16. The Towers, LLC, 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 I**.

17. 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 C** 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.

18. The Construction Manager for the proposed facility is Adam Johnson and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits B & C**.

19. As noted on the Survey attached as part of **Exhibit B**, the surveyor has determined that the site is not within any flood hazard area.

20. **Exhibit B** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). 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 is illustrated in **Exhibit B**.

21. Applicants have sent notice to every person who, according to the records of the County Property Valuation Administrator (“PVA”), 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 has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

22. Copies of the Garrard County PVA records obtained on March 28, 2025 (and re-verified on May 9, 2025) and used to generate the notice list are attached as part of **Exhibit J**.

23. Seven notice letters were sent to the landowners on the notice list at the mailing addresses shown on the County’s PVA records. Copies of the “Certified Mail Receipts” confirming the dates on which the letters were sent are attached as part of **Exhibit J**.

24. Three signed United States Postal Service Form 3811 “green cards” have been returned. Copies of the returned “green cards” are attached as a part of **Exhibit J**.

One notice letter was returned and marked “Return to Sender / Vacant / Unable to Forward.” Another notice letter was returned and marked “Return to Sender / Unclaimed / Unable to Forward.” Copies of the returned undelivered letters are attached as part of **Exhibit J**. Two notice letters have been “delivered, left with individual” according to the United States Postal Service (USPS) tracking data, which is attached as part of **Exhibit J**. There are no unaccountable notices.

25. 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 is attached as **Exhibit L**. A copy of the “Certified Mail Receipt” and a copy of the USPS Form 3811 “green card” for this mailing are also attached as a part of **Exhibit L**.

26. 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 M**. 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 tear sheet from the newspaper that includes the notice advertisement and an affidavit from the publisher certifying that the notice advertisement was published are attached as part of **Exhibit M**.

27. The general area where the proposed facility will be located is a

predominantly rural, agricultural area. The site parcel itself contains several existing structures, including barns, sheds, and a residence.

28. The process that was used by Verizon Wireless' 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. Verizon Wireless' 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 Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by Verizon Wireless' Radio Frequency Engineers. 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 N**.

29. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area.

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

31. All responses and requests associated with this Application may be directed
to:

David A. Pike and
F. Keith Brown
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
kbrown@pikelegal.com

WHEREFORE, 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,



David A. Pike
And



F. Keith Brown

Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Email: kbrown@pikelegal.com
Attorneys for Applicants

LIST OF EXHIBITS

- A - Business Documentation & FCC Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
 - Construction Manager Letter
 - List of Qualified Professionals
 - Tower and Foundation Drawings
- D - Competing Utilities, Corporations, or Persons List
- E - Federal Aviation Administration Documentation
- F - Kentucky Airport Zoning Commission Documentation
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing, PVA Records & Proof of Notice
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice & Proof of Notice
- M - Copy of Posted Notices, Newspaper Notice Advertisement Tear Sheet and Affidavit
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A

**BUSINESS DOCUMENTATION & FCC LICENSE
DOCUMENTATION**

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "THE TOWERS, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE SIXTH DAY OF DECEMBER, A.D. 2024.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "THE TOWERS, LLC" WAS FORMED ON THE TWENTY-FOURTH DAY OF MARCH, A.D. 2023.

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



7370717 8300

SR# 20244414963

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

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 205056961

Date: 12-06-24

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: 307364

Visit <https://web.sos.ky.gov/fts/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,

THE TOWERS, LLC

, a limited liability company authorized under the laws of the state of Florida, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on February 22, 2024.

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 18th day of March, 2024, in the 232nd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
307364/1343772



COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

1343772.06

mmoore
AOC

Michael G. Adams
Kentucky Secretary of State
Received and Filed:
12/13/2024 1:54 PM
Fee Receipt: \$20.00

Division of Business Filings
Business Filings
P.O. Box 718,
Frankfort, KY 40602
(502) 564-3490
sosfilings@ky.gov to submit via email
Filing Fee: \$15.00 (\$20.00 for LLC)

Articles of Correction

AOC

Pursuant to the provisions of KRS 14A-2.090, the undersigned applies correct articles and for that purpose, submits the following statement:

1. Name of the entity is: THE TOWERS, LLC
Document to be corrected is: Certificate of Authority
Date the document being corrected was originally filed: 2/22/2024

2. Please specify the inaccuracies or defects to be corrected:
The domestic state in item 4 was incorrectly typed in as Florida.

3. The inaccuracy or defect stated above should be corrected as follows:
The state or county under whose law the entity is organized is: Delaware

I declare under penalty of perjury under the laws of Kentucky that the forgoing is true and correct.

<u>/s/ Allison Cannella</u>	<u>Allison Cannella</u>	<u>Authorized Person</u>	<u>12/12/2024</u>
Signature	Printed Name	Title	Date

1343772.06

mmoore
ADD

Michael G. Adams
Kentucky Secretary of State
Received and Filed:
2/22/2024 11:15 AM
Fee Receipt: \$90.00



COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

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

Pursuant to the provisions of KRS 14A - 030 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements:

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

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

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

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

5. The date of organization is 03/24/2023 and the period of duration is _____
(If left blank, duration is considered perpetual.)

6. The mailing address of the entity's principal office is
750 PARK OF COMMERCE DR, STE 200 BOCA RATON FL 33487
Street Address City State Zip Code

7. The street address of the entity's registered office in Kentucky is
828 Lane Allen Road Suite 219 Lexington KY 40504
Street Address (No P.O. Box Numbers) City State Zip Code

and the name of the registered agent at that office is Cogency Global Inc.

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

<u>Ron Bizick</u>	<u>750 Park of Commerce Dr Ste 2</u>	<u>Boca Raton</u>	<u>FL</u>	<u>33487</u>
Name	Street or P.O. Box	City	State	Zip Code
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
Name	Street or P.O. Box	City	State	Zip Code
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
Name	Street or P.O. Box	City	State	Zip Code

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.

Signature of Authorized Representative Ron Bizick, CEO 02/05/2024
Printed Name & Title Date

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

Joelle Churik Joelle Churik Asst. Secretary 02/06/2024
Signature of Registered Agent Printed Name Title Date

Delaware

The First State

Page 1

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.



3341134 8300

SR# 20231665976

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

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

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

Dcornish
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 363.015(1))

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

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

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

One Verizon Way Basking Ridge NJ 07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by
NYNEX PCS Inc.

Jane A. Schepker
Signature
Jane A. Schepker-Assistant Secretary

Print or type name and title
June 15, 2006

Date

Signature

Print or type name and title

Date

Addendum

The full name of the Partnership is Cellco Partnership; a Delaware general partnership with its headquarters located One Verizon Way, Basking Ridge NJ 07920-1097.

General Partners of Cellco Partnership	Address
Bell Atlantic Cellular Holdings, L.P.	One Verizon Way Basking Ridge, NJ 07920
NYNEX PCS Inc.	One Verizon Way Basking Ridge, NJ 07920
PCSCO Partnership	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless of Ohio Incorporated	One Verizon Way Basking Ridge, NJ 07920
PCS Nucleus, L.P.	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597
JV PartnerCo, LLC	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597

Commonwealth of Kentucky
Alison Lundergan Grimes, Secretary of State

C227

0641227.07
Alison Lundergan Grimes
KY Secretary of State
Received and Filed
5/31/2016 1:54:34 PM
Fee receipt: \$20.00

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

**Renewal Certificate of
Assumed Name**

REN

This certifies that the assumed name of

VERIZON WIRELESS

is hereby renewed by the general partnership listed above, organized and existing in the state of Delaware.

Signatures

Signature	Karen M. Shipman
Title	Assistatn Secretary
Date	5/31/2016 1:54:34 PM

[ASR Registration Search](#)**Registration 1330113** [Map Registration](#)**Registration Detail**

Reg Number	1330113	Status	Granted
File Number	A1304672	Constructed	
EMI	No	Dismantled	
NEPA			

Antenna Structure

Structure Type L TOWER - Lattice Tower

Location (in NAD83 Coordinates)

Lat/Long	37-28-29.4 N 084-22-38.4 W	Address	4744 Copper Creek Road
City, State	Berea , KY		
Zip	40403	County	GARRARD
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
299.3	80.8
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
380.1	77.7

Painting and Lighting Specifications

FAA Chapters 4, 8, 15

Paint and Light in Accordance with FAA Circular Number 70/7460-1M

FAA Notification

FAA Study	2024-ASO-23897-OE	FAA Issue Date	03/06/2025
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Owner & Contact Information

FRN	0033815929	Owner Entity Type	Limited Liability Company
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Owner

The Towers, LLC
Attention To: Matthew Bonfante
750 Park of Commerce Drive
Suite 200
Boca Raton , FL 33487

P: (561)406-4023
F:
E: fcc-faa@verticalbridge.com

Contact

Bonfante , Matthew
Attention To: Matthew Bonfante
750 Park of Commerce Drive
Suite 200
Boca Raton , FL 33487

P: (561)406-4023
F:
E: fcc-faa@verticalbridge.com

Last Action Status

Status	Granted	Received	03/10/2025
Purpose	Amendment	Entered	03/10/2025
Mode	Interactive		

Related Applications

03/10/2025 A1304672 - Amendment (AM)

Comments**Comments**

None

History**Date****Event**

None

Pleadings**Pleading Type****Filer Name****Description****Date Entered**

None

Automated Letters

None

CLOSE WINDOW



FEDERAL COMMUNICATIONS COMMISSION
Wireless Telecommunications Bureau

Spectrum Leasing Arrangement

04/25/2025

ATTN: REGULATORY
RURAL CELLULAR CORPORATION
1120 SANCTUARY PKWY #150 - GASA5REG
ALPHARETTA, GA 30009

Reference Number:

This approval allows the Lessee to lease spectrum from the Licensee pursuant to the provisions and requirements of Subpart X of Part 1 of the Commission's Rules, 47 C.F.R. Part 1, and as described in the associated spectrum leasing application or notification.

Type of Lease Arrangement	Lease Term	Lease Identifier
Spectrum Manager Lease	Long Term	L000008937

Lease Grant/Accepted Date	Lease Commencement Date	Lease Expiration Date
11/04/2011	10/06/2011	06/13/2029

Call Sign	Radio Service
WQJQ692	WU - 700 MHz Upper Band (Block C)

Lessee Information
0003715919
RURAL CELLULAR CORPORATION
Attn: REGULATORY
1120 SANCTUARY PKWY #150 - GASA5REG
ALPHARETTA, GA 30009

Licensee Information
0003290673
CELLCO PARTNERSHIP
Attn: REGULATORY
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Geographically-Licensed Services		
Market Number	Market Name	Channel Block
REA004	Mississippi Valley	C

Condition:

This lease may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum associated with this leasing agreement, 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 <https://www.fcc.gov/wireless/universal-licensing-system> and select "License Search". Follow the instructions on how to search for license information.

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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ULS Application

0008621597 - Rural Cellular Corporation

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LEASE INFO

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File Number	0008621597	Application Status	Q - Accepted
Application Purpose	LE - Extend Term of a Lease	Classification of Lease	Spectrum Manager

General Information

Application Purpose	LE - Extend Term of a Lease
Receipt Date	04/30/2019
Entered Date	04/30/2019
Waiver	No
Attachments	No
Application Fee Exempt	No
Action Date	01/16/2020
Number of Rules	
Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022		P: (770)797-1070 E: LicensingCompliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St NW - Suite 500 East Washington, DC 20005	P: (202)515-2453 E: sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0003715919 (View Ownership)	Type	Corporation
-----	--	------	-------------

Name	Rural Cellular Corporation ATTN Regulatory 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022	P:(770)797-1070 E:licensingcompliance@verizonwireless.com
------	--	--

Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Lessee Contact Information

Name	Verizon Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

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Federal Communications Commission
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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQCS428	File Number 0006668578
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 04-23-2015	Effective Date 11-01-2016	Expiration Date 05-13-2025	Print Date 04-24-2015
Market Number BTA252	Channel Block C	Sub-Market Designator 1	
Market Name Lexington, KY			
1st Build-out Date 05-13-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQCS428

File Number: 0006668578

Print Date: 04-24-2015

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

PCS Broadband - 0011447062 - Cellco Partnership

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TRANS LOG

File Number 0011447062

Radio Service CW - PCS Broadband

Call Sign [WQCS428](#)

Application Status 2 - Pending

General Information

Application Purpose RO - Renewal Only

Existing Radio Service

Authorization Type Regular

Emergency STA

Receipt Date 02/12/2025

Action Date 02/13/2025

Entered Date 02/12/2025

Requested Expiration Date

Waiver No

Number of Rules

Attachments [Yes](#)

Grandfathered Privileges No

Application Fee Exempt No

Regulatory Fee Exempt No

Major Request

Use Question Commercial

Market Data

Market BTA252 - Lexington, KY

Channel Block C

Submarket 1

Designator

Associated Frequencies (MHz)
001895.00000000-
001910.00000000-
001975.00000000-
001990.00000000

Applicant Information

FRN 0003290673
([View Ownership Filing](#))

Type Partnership

Name Cellco Partnership
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022
ATTN Licensing ManagerP:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

FRN of Real
Party in
Interest

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
------	---	---

Regulatory Status	Common Carrier	Interconnected	Yes
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The Applicant answered "No" to each of the [Alien Ownership](#) questions.

The Applicant answered "No" to each of the **Basic Qualification** questions.

Sex

Operation/Performance Requirement Certification

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

2/4

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term. Yes

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended. Yes

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Federal Communications Commission
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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQDI527	File Number 0007022881
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 08-17-2015	Effective Date 11-01-2016	Expiration Date 09-06-2025	Print Date 04-01-2016
Market Number BTA252	Channel Block C	Sub-Market Designator 7	
Market Name Lexington, KY			
1st Build-out Date 09-06-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQDI527

File Number: 0007022881

Print Date: 04-01-2016

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0009135432 - Verizon Communications Inc.

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REVENUE

File Number 0009135432

Application Status Q - Accepted

General Information

Application Purpose TC - Transfer of Control

Receipt Date 07/21/2020

Entered Date 07/21/2020

Action Date 08/13/2020

Waiver No

Number of Rules

Attachments [Yes](#)

Application Fee Exempt No

Waiver/Deferral Fee No

Licensee Information

FRN 0003290673
([View Ownership Filing](#))

Type General Partnership

Name Cellco Partnership
ATTN Regulatory
5055 North Point Pkwy, NP2NE
Engineering
Alpharetta, GA 30022P:(770)797-1070
E:Licensing.Compliance@verizonwireless.com

Race Sex

Ethnicity

Licensee Contact Information

Name Verizon
Sarah Trosch
1300 I Street, NW - Suite 500
East
Washington, DC 20005P:(202)515-2453
E:sarah.trosch@verizon.com

Transferor Information

FRN 0003257094
([View Ownership Filing](#))

Type Corporation

Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	---	---

Race	Sex
Ethnicity	

Transferor Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
------	--	--

Transferee Information

FRN	0003257094 (View Ownership)	Type	Corporation
Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com	

Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Transferee Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
------	--	--

Transferee Qualifications and Ownership Information**Alien Ownership**

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

Grant Date 02-22-2022	Effective Date 02-22-2022	Expiration Date 11-29-2036	Print Date 02-23-2022
Market Number REA004	Channel Block F	Sub-Market Designator 15	
Market Name Mississippi Valley			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

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

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: 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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ULS Application

0011534270 - Trace-Tek

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File Number	0011534270	Application Status	2 - Pending
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	04/22/2025		
Entered Date	04/22/2025	Action Date	04/23/2025
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Network Engineering 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
Real Party In Interest	Trace-Tek	FRN of Real Party in Interest 0030856223
Race		Sex
Ethnicity		

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQGA940	File Number 0009774996
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 12-21-2021	Effective Date 12-21-2021	Expiration Date 11-29-2036	Print Date 12-21-2021
Market Number BEA047	Channel Block B	Sub-Market Designator 11	
Market Name Lexington, KY-TN-VA-WV			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

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

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: WQGA940

File Number: 0009774996

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010761275 - Trace-Tek

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File Number	0010761275	Application Status	G - Granted
Application Purpose	AM - Amendment	Classification of Lease	De Facto Transfer

General Information

Application Purpose	AM - Amendment	Original Application Purpose	LN - New Lease
Receipt Date	04/09/2024		See Full Filing History
Entered Date	04/09/2024	Action Date	04/11/2024
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
Real Party In Interest	Trace-Tek	FRN of Real Party in Interest 0030856223
Race		Sex
Ethnicity		

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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

FCC Registration Number (FRN): 0003290673

Grant Date 01-10-2020	Effective Date 02-03-2025	Expiration Date 06-13-2029	Print Date 01-14-2020
Market Number REA004	Channel Block C	Sub-Market Designator 0	
Market Name Mississippi Valley			
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	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: 0008587218

Print Date: 01-14-2020

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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0011536151 - Trace-Tek

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File Number	0011536151	Application Status	2 - Pending
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	04/23/2025		
Entered Date	04/23/2025	Action Date	04/24/2025
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Network Engineering 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name Trace-Tek P:(972)672-0477
ATTN licenses@trace-tek.com E:licenses@trace-tek.com
2625 Commons Boulevard
Beavercreek, OH 45341

Real Party In Trace-Tek FRN of Real 0030856223
Interest Party in
Interest

Race Sex
Ethnicity

Lessee Contact Information

Name Trace-Tek P:(972)672-0477
Garrett Loo E:licenses@trace-tek.com
ATTN licenses@trace-tek.com
2625 Commons Boulevard
Beavercreek, OH 45341

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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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

Call Sign WQPZ951	File Number 0009792705
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-16-2022	Effective Date 02-16-2022	Expiration Date 11-29-2036	Print Date 02-17-2022
Market Number REA004	Channel Block D	Sub-Market Designator 29	
Market Name Mississippi Valley			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

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

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: WQPZ951

File Number: 0009792705

Print Date: 02-17-2022

The license is subject to compliance with the provisions of the January 12, 2001 Agreement between Deutsche Telekom AG, VoiceStream Wireless Corporation, VoiceStream Wireless Holding Corporation and the Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI), which addresses national security, law enforcement, and public safety issues of the FBI and the DOJ regarding the authority granted by this license. Nothing in the Agreement is intended to limit any obligation imposed by Federal law or regulation including, but not limited to, 47 U.S.C. Section 222(a) and (c)(1) and the FCC's implementing regulations. The Agreement is published at VoiceStream-DT Order, IB Docket No. 00-187, FCC 01-142, 16 FCC Rcd 9779, 9853 (2001).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQPZ951

File Number: 0009792705

Print Date: 02-17-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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TRANS LOG

File Number	0009792705	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQPZ951	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	11/10/2021	Action Date	02/16/2022
Entered Date	11/10/2021	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question			

Market Data

Market	REA004 - Mississippi Valley	Channel Block	D
Submarket Designator	29	Associated Frequencies (MHz)	001735.00000000-001740.00000000-002135.00000000-002140.00000000

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE		P:(770)797-1070 F:(770)797-1036

Network Engineering
Alpharetta, GA 30022

E:LicensingCompliance@VerizonWireless.com

Real Party in
Interest

FRN of Real
Party in
Interest

Contact Information

Name Cellco Partnership
Licensing Manager
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Qualifications, Ownership

Radio Service Mobile
Type

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQTY976	File Number 0009792869
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-16-2022	Effective Date 02-16-2022	Expiration Date 11-29-2036	Print Date 02-17-2022
Market Number BEA047	Channel Block B	Sub-Market Designator 14	
Market Name Lexington, KY-TN-VA-WV			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

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

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQTY976

File Number: 0009792869

Print Date: 02-17-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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TRANS LOG

File Number	0009792869	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQTY976	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only	Emergency STA	
Existing Radio Service		Action Date	02/16/2022
Authorization Type	Regular	Requested Expiration Date	
Receipt Date	11/10/2021	Number of Rules	
Entered Date	11/10/2021	Grandfathered Privileges	No
Waiver	No	Regulatory Fee Exempt	No
Attachments	Yes		
Application Fee Exempt	No		
Major Request			
Use Question			

Market Data

Market	BEA047 - Lexington, KY-TN-VA-WV	Channel Block	B
Submarket Designator	14	Associated Frequencies (MHz)	001720.00000000-001730.00000000-002120.00000000-002130.00000000

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE		P:(770)797-1070 F:(770)797-1036

Network Engineering
Alpharetta, GA 30022

E:licensingcompliance@verizonwireless.com

Real Party in
Interest

FRN of Real
Party in
Interest

Contact Information

Name Verizon Wireless
Licensing Manager
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Qualifications, Ownership

Radio Service Mobile
Type

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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RADIO STATION AUTHORIZATION

LICENSEE: RURAL CELLULAR CORPORATION

ATTN: REGULATORY
 RURAL CELLULAR CORPORATION
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WQUZ670	File Number
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003715919

Grant Date 11-16-2021	Effective Date 09-23-2022	Expiration Date 11-29-2036	Print Date 02-16-2023
Market Number REA004	Channel Block D	Sub-Market Designator 10	
Market Name Mississippi Valley			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

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

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Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: WQUZ670

File Number:

Print Date: 02-16-2023

The license is subject to compliance with the provisions of the January 12, 2001 Agreement between Deutsche Telekom AG, VoiceStream Wireless Corporation, VoiceStream Wireless Holding Corporation and the Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI), which addresses national security, law enforcement, and public safety issues of the FBI and the DOJ regarding the authority granted by this license. Nothing in the Agreement is intended to limit any obligation imposed by Federal law or regulation including, but not limited to, 47 U.S.C. Section 222(a) and (c)(1) and the FCC's implementing regulations. The Agreement is published at VoiceStream-DT Order, IB Docket No. 00-187, FCC 01-142, 16 FCC Rcd 9779, 9853 (2001).

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: WQUZ670

File Number:

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010409765 - Rural Cellular Corporation

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File Number 0010409765

Application Status Q - Accepted

General Information

Application Purpose NT - Required Notification

Existing Radio Service

Authorization Type

Emergency STA

Receipt Date 02/08/2023

Action Date 02/09/2023

Entered Date 02/08/2023

Requested Expiration Date

Waiver No

Number of Rules

Attachments

Grandfathered Privileges

Application Fee Exempt No

Regulatory Fee Exempt

Major Request

Applicant Information

FRN 0003715919
([View Ownership Filing](#))

Type Corporation

Name Rural Cellular Corporation
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022
ATTN RegulatoryP:(770)797-1070
E:Licensing.Compliance@VerizonWireless.com

Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name Verizon
Sarah Trosch
1300 I St NW - Suite 500 East
Washington, DC 20005P:(202)515-2453
E:sarah.trosch@verizon.com

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Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1-844-432-2275
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: RURAL CELLULAR CORPORATION

ATTN: REGULATORY
 RURAL CELLULAR CORPORATION
 5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
 ALPHARETTA, GA 30022

Call Sign WRWF636	File Number 0010160917
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003715919

Grant Date 09-23-2022	Effective Date 09-23-2022	Expiration Date 12-18-2036	Print Date 02-16-2023
Market Number BEA047	Channel Block C	Sub-Market Designator 14	
Market Name Lexington, KY-TN-VA-WV			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

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

Call Sign: WRWF636

File Number: 0010160917

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

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

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ULS Application

0010160917 - Rural Cellular Corporation

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File Number 0010160917

Application Status M - Consummated

General Information

Application Purpose AA - Assignment of Authorization

Receipt Date 08/23/2022

Entered Date 08/23/2022

Action Date 02/16/2023

Waiver No

Number of Rules

Attachments [Yes](#)

Application Fee Exempt No

Waiver/Deferral Fee No

Assignor Information

FRN 0003291192 Type Limited Liability Company
([View Ownership Filing](#))Name New Cingular Wireless PCS, LLC
ATTN Cecil J Mathew
208 S. Akard Street, RM 1016
Dallas, TX 75202
P:(855)699-7073
F:(214)746-6410
E:FCCMW@att.com

Race Sex

Ethnicity

Assignor Contact Information

Name AT&T Mobility LLC
ATTN Michael P. Goggin
1120 20th Street NW, Suite
1000
Washington, DC 20036
P:(202)457-2055
E:michael.p.goggin@att.com

Assignee Information

FRN 0003715919 Type Corporation
([View Ownership](#))Name Rural Cellular Corporation
ATTN Regulatory
P:(770)797-1070
E:Licensing.Compliance@VerizonWireless.com

5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022

Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Assignee Contact Information

Name	Verizon Sarah Trosch 1300 I St NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Assignee Qualifications and Ownership Information

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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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 WRWF637	File Number 0010170298
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 09-23-2022	Effective Date 09-23-2022	Expiration Date 12-18-2036	Print Date 02-16-2023
Market Number BEA047	Channel Block C	Sub-Market Designator 16	
Market Name Lexington, KY-TN-VA-WV			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. 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: WRWF637

File Number: 0010170298

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010761275 - Trace-Tek

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MAIN		ADMIN		TRANS LOG		LEASE INFO		LEASES		DATES		REVENUE	
File Number				0010761275				Application Status		G - Granted			
Application Purpose				AM - Amendment				Classification of Lease		De Facto Transfer			
General Information													
Application Purpose				AM - Amendment				Original Application Purpose		LN - New Lease			
Receipt Date				04/09/2024						See Full Filing History			
Entered Date				04/09/2024				Action Date		04/11/2024			
Waiver				No				Number of Rules					
Attachments				Yes									
Application Fee Exempt				No				Waiver/Deferral Fee		No			

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
-----	--	------	---------------------------

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
Real Party In Interest	Trace-Tek	FRN of Real Party in Interest 0030856223
Race		Sex
Ethnicity		

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service
Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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EXHIBIT B

**SITE DEVELOPMENT PLAN:
500' VICINITY MAP
LEGAL DESCRIPTIONS
FLOOD PLAIN CERTIFICATION
SITE PLAN
VERTICAL TOWER PROFILE**



750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487

NEW 255' SELF-SUPPORT TOWER
w/10' LIGHTNING ROD
TOTAL TOWER HEIGHT 265'

TOWER OWNER SITE

BRINDLE RIDGE
SITE #: US-KY-5203

VERIZON WIRELESS SITE

LV BRINDLE RIDGE
FUZE ID: 17087898
MARKET ID: LV
MDG#: 5000930175

SITE ADDRESS

4744 COPPER CREEK RD
BEREA, KY 40403
GARRARD COUNTY
E911 ADDRESS: TBD

TOWER OWNER

VERTICAL BRIDGE (THE TOWERS, LLC)
750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487
CONTACT: ROBERT RODRIGUEZ
PHONE: 561-596-9780
E-MAIL:
robert.rodriguez@verticalbridge.com

PROPERTY OWNER

ROBERT CHASTEEN
4744 COPPER CREEK RD
BEREA, KY 40403
CONTACT: ROBERT CHASTEEN
PHONE: 859-779-3273
E-MAIL: N/A

POLICE

GARRARD COUNTY SHERIFF
319 STANFORD ST
LANCASTER, KY 40444
PHONE: 859-792-3591

FIRE

BRINDLE RIDGE VOL. FIRE DEPT.
8763 N WILDERNESS RD
MT VERNON, KY 40456
PHONE: 606-256-0000

GENERAL INFORMATION

LATITUDE - 37° 28' 29.42" N
LONGITUDE - 84° 22' 38.46" W
1983 (NAD83)
ELEVATION - 982.00' AMSL
1988 (NAVD88)

TOWER OWNER LEASE AREA

100'-0" x 100'-0"
(10000 SF)

VERIZON WIRELESS LEASE AREA

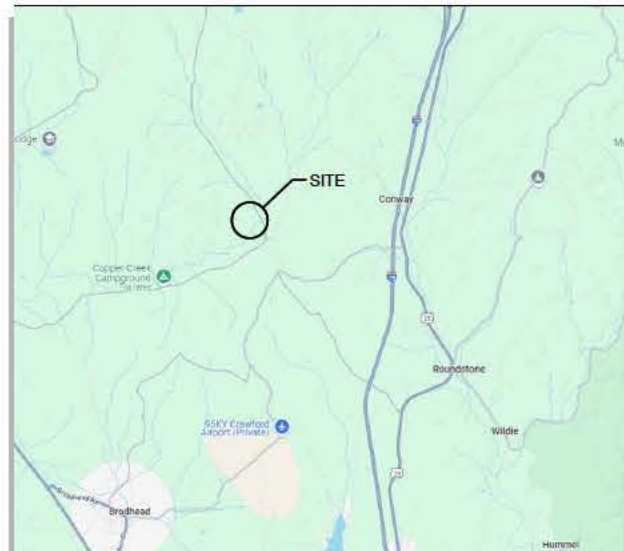
20'-0" x 41'-8"
(500 SF)

PROJECT TOTAL DISTURBED AREA

COMPOUND: (10000 SF) = (0.23 ACRE)
ACCESS DRIVE: (12674 SF) = (0.29 ACRE)
GROSS AREA: (22674 SF) = (0.52 ACRE)

ALL CONSTRUCTION ITEMS ARE TO BE COMPLETED BY
THE TOWER OWNER GENERAL CONTRACTOR UNLESS
NOTED AS (VZW GC) WHICH SHALL BE COMPLETED
BY THE VERIZON WIRELESS GENERAL CONTRACTOR

PROJECT SUMMARY



VICINITY MAP

PROJECT DESCRIPTION:

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

TOWER OWNER SCOPE:

- INSTALL A NEW 255' SELF-SUPPORT TOWER w/ 10' LIGHTNING ROD (TOTAL 265')
- INSTALL A NEW TOWER FOUNDATION SYSTEM
- INSTALL A NEW 75'X75' FENCED GRAVEL COMPOUND
- INSTALL A NEW ELECTRICAL SERVICE RUN TO SITE UTILITY H-FRAME
- INSTALL A NEW GRAVEL ACCESS DRIVE
- NO WATER OR SEWAGE SERVICES RUN TO SITE
- INSTALL NEW TOWER & SITE GROUNDING SYSTEM
- INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM
- INSTALL A NEW VZW CONCRETE EQUIPMENT AND GENERATOR PADS
- INSTALL VZW ICE BRIDGE AND FOUNDATIONS
- INSTALL VZW EQUIPMENT H-FRAME AND FOUNDATIONS
- INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE
STUB-UP TO UTILITY H-FRAME
- INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC STUB-UP LOCATION TO
THE GENERATOR STUB-UP AT VZW GENERATOR PAD
- INSTALL (2) 1-1/4" SMOOTHWALL SDR-11 HDPE FIBER OPTIC CONDUITS w/PULL
TAPES AND TRACER WIRE FROM "VERIZON WIRELESS ONLY" HAND HOLE OUTSIDE
COMPOUND TO VZW EQUIPMENT PAD
- INSTALL (3) NEW "VERIZON WIRELESS ONLY" 1-1/4" SMOOTHWALL SDR-11 HDPE
FIBER OPTIC CONDUITS WITH PULL TAPES AND TRACER WIRE FROM NEW "VERIZON
WIRELESS ONLY" 24"X36" HAND HOLE OUTSIDE COMPOUND TO NEW "VERIZON
WIRELESS ONLY" 24"X36" HAND HOLE AT R.O.W.
- PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE
METER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY

VERIZON WIRELESS SCOPE (VZW GC):

- INSTALL VZW PREFABRICATED CANOPY AND FOUNDATIONS
- INSTALL VZW ANTENNA MOUNTING SUPPORT STRUCTURE ON TOWER
- INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT
- INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES
- INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY H-FRAME TO VZW ILC
ENCLOSURE
- INSTALL NEW CONDUITS WITH PULL TAPES FROM RF CABINET TO OVP H-FRAME LIT
FIBER LOCATION
- INSTALL NEW CONDUITS AND CIRCUITS FROM VZW ILC ENCLOSURE TO EQUIPMENT
ENCLOSURES AT VZW EQUIPMENT PAD
- INSTALL VZW GENERATOR CIRCUITS FROM VZW ILC & EQUIPMENT ENCLOSURES TO
VZW GENERATOR
- INSTALL NEW OUTDOOR OVPS AND CABLING ON VERIZON EQUIPMENT H-FRAME

PROJECT DESCRIPTION



LOCATION MAP

BRINDLE RIDGE

SITE #: US-KY-5210

4744 COPPER CREEK RD

BEREA, KY 40403

GARRARD COUNTY

TENANT: LEGAL BUSINESS ENTITY CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

FUZE ID: 17087898

FROM LOUISVILLE MTSO: 2441 HOLLOWAY ROAD LOUISVILLE, KY 40299: HEAD S ON HOLLOWAY RD (367 FT). TURN LEFT ONTO PLANTSIDE DR (0.9 MI.). TURN LEFT ONTO BLACKENBAKER PKWY (0.7 MI.). SLIGHT RIGHT TO MERGE ONTO I-64 E (0.3 MI.). MERGE ONTO I-64 E (63.6 MI.). KEEP RIGHT TO CONTINUE ON I-75 S (35.5 MI.). TAKE EXIT 76 FOR KY-21 W (0.3 MI.). TURN RIGHT ONTO KY-21 W (2.4 MI.). TURN LEFT ONTO STATE HWY 954 (3.0 MI.). TURN LEFT ONTO COPPER CREEK RD (4.7 MI.). T DESTINATION WILL BE ON THE RIGHT.

FROM GARRARD COUNTY SEAT: 15 PUBLICE SQUARE #5, LANCASTER, KY 40444: HEAD SE ON STANFORD ST (220 FT). TURN LEFT ONTO GOVERNMENT ALLEY (246 FT). TURN LEFT ONTO S ADAMS ST (240 FT). TURN RIGHT ONTO KY-52 (8.1 MI.). TURN RIGHT ONTO STATE HWY 954 (4.7 MI.). CONTINUE STRAIGHT ONTO COPPER CREEK RD (4.7 MI.). DESTINATION WILL BE ON THE RIGHT.

DIRECTIONS CREATED BY:
CONTACT: JEFFREY LASHBROOK
PHONE: 502-459-8402

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE
WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE
LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED
TO PERMIT WORK NOT CONFORMING TO THESE CODES.

BUILDING CODE 2018 KENTUCKY BUILDING CODE (IBC 2015)
TIA/EIA-222 - REVISION G (INCLUDES ADDENDUM #2)
STRUCTURAL CODE
MECHANICAL CODE 2015 INTERNATIONAL MECHANICAL CODE (IMC 2015)
PLUMBING CODE KENTUCKY STATE PLUMBING CODE (B15 KAR CHAP. 20)
ELECTRICAL CODE 2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
FIRE/LIFE SAFETY CODE 2015 INTERNATIONAL FIRE CODE (2015 IFC)
ENERGY CODE 2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
GAS CODE 2012 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 2015 IBC BUILDING CODE.

APPLICABLE CODES

SURVEYOR

SHARONDALE SURVEYING, INC.
161 MARTIN RD, BON AQUA, TN 37025
PHONE: 615-513-0032
EMAIL: SHARNDAL@BELLSOUTH.NET

ARCHITECTURAL

LASHBROOK ENGINEERING
CONTACT: JEFFREY LASHBROOK
PHONE: (270) 314-3929
EMAIL:
jashbrook@lashbrookengineering.com

ELECTRICAL

INTER COUNTY ENERGY COOPERATIVE
1009 HUSTONVILLE RD
DANVILLE, KY 40422
CONTACT: SARAH RUHE
PHONE: 859-516-2635
EMAIL: sarah@intercountyenergy.net

PREPARED FOR:

BOWMAN
ADDRESS: 3001 TAYLOR
SPRINGS DR
LOUISVILLE, KY 40220
PHONE: (502) 459-8402

CONSULTANT TEAM



AERIAL

SHEET NUMBER

DESCRIPTION

REV	DATE	DESCRIPTION
T-1		PROJECT INFORMATION, SITE MAPS, SHEET INDEX
CML		SURVEY PLAN & 500' ABUTTERS MAP
C-1		OVERALL SITE PLAN w/AERIAL OVERLAY
C-1A		OVERALL SITE PLAN w/PLATFORM DISTANCE TO PROPERTY LINES
C-1B		TOWER DISTANCE TO RESIDENTIAL STRUCTURES
C-1D		500' RADIUS OWNER/STRUCTURE MAP
C-2		GRADING AND E&S CONTROL PLAN
C-3		DETAILED SITE PLAN
C-4		DIMENSIONED SITE PLAN

SITE DETAILS

REV	DATE	DESCRIPTION
D-1-1A		FENCE DETAILS AND NOTES
D-4		SIGNAGE (REFERENCE ONLY)
D-5		TOWER OWNER SITE FENCE SIGNAGE (REFERENCE ONLY)

TOWER ELEVATION

REV	DATE	DESCRIPTION
TE-1		TOWER ELEVATION

REFERENCE DRAWINGS

REV	DATE	DESCRIPTION
RF-1		ANTENNA PLAN AND DETAILS
REF-1		GENERATOR SPECIFICATIONS (REFERENCE ONLY)

Bowman

3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
PHONE: (502) 459-8402

LASHBROOK
ENGINEERING

CRESTWOOD, KENTUCKY 40014
PHONE: (270) 314-3929



750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487
PHONE: (561) 948-6367

REV	DATE	DESCRIPTION
A	11/09/24	LEASE EXHIBIT (TOWER HT)
B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/26/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
E	02/18/25	UTILITY COORDINATION
F	03/24/25	ZONING ISSUE



LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403

PROJECT INFORMATION,
SITE MAPS, SHEET INDEX

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
240900-01-079 (25-003)

T-1

W&K PAD & CANOPY REV 4.3 FINAL 05/30/24

PERIMETER DATA - THE TOWERS LLC'S VARIABLE WIDTH JOINT ACCESS & UTILITY EASEMENT					
NO.	DELTA/BEARING	RADIUS	LENGTH	TAN	CHORD
1	S 20° 51' 37" E	—	50.63'	—	—
2	N 59° 06' 24" W	—	20.90'	—	—
3	30° 14' 30"	6.00'	3.17'	1.62'	S 37° 52' 38" W/3.13'
4	34° 08' 49"	24.00'	14.30'	7.37'	S 37° 52' 38" W/14.09'
5	S 54° 57' 03" W	—	0.24'	—	—
6	S 35° 02' 57" E	—	35.00'	—	—
7	S 54° 57' 03" W	—	30.00'	—	—
8	N 54° 57' 03" E	—	30.00'	—	—
9	S 35° 02' 57" E	—	33.91'	—	—
10	30° 14' 30"	36.00'	19.00'	9.73'	N 35° 55' 28" E/18.78'

UTILITY NOTE:

THIS SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS AND/OR MAPS PREPARED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATION INDICATED. THEREFORE, RELIANCE UPON THE TYPE, SIZE AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY.

PROJECT BENCHMARK

PROJECT BENCHMARK ELEVATION DATUM IS BASED UPON GPS SURVEY METHODS AND PROCEDURES.
TOP OF SURVEY NAIL SET IN BASE OF POWER POLE
ELEVATION = 967.49' N.A.V.D. 88
(SEE PLAN FOR LOCATION)

FLOOD HAZARD STATEMENT:

THIS COMMUNICATIONS SITE (THE SUBJECT SITE AS SHOWN) IS NOT LOCATED WITHIN THE LIMITS OF A DESIGNATED 100 YEAR FLOOD ZONE PER FEMA FIRM MAP COMMUNITY PANEL NUMBER 21079C 0250 C, GARRARD COUNTY, KENTUCKY. EFFECTIVE DATE APRIL 18, 2011.

UNDERGROUND UTILITIES

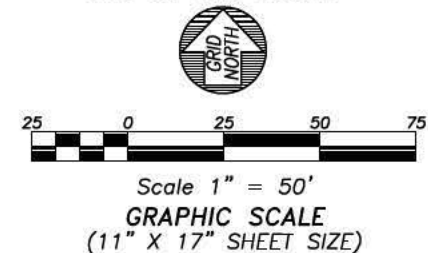
CALL 2 WORKING DAYS
BEFORE YOU DIG
KENTUCKY 1-800-752-6007
UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST CALL DIRECTLY

THE TOWERS LLC'S VARIABLE WIDTH JOINT ACCESS & UTILITY EASEMENT

FRED & VICKIE PRINGLETON
DEED BOOK 306, PAGE 807
(PARCEL 71-12.06)

"POINT OF BEGINNING"
THE TOWERS LLC'S VARIABLE WIDTH JOINT ACCESS & UTILITY EASEMENT
KY SPC (SOUTH ZONE)
NAD 83 GRID COORDINATE
NORTH 2,059,202.21
EAST 2,038,974.05

KY SPC (SOUTH ZONE)
NAD 83 GRID NORTH



GPS SURVEY CERTIFICATION:

1. THIS SURVEY WAS PERFORMED USING RTK POSITIONAL DATA.
2. EQUIPMENT USED WAS A SOKKIA GRX3, DUAL FREQUENCY, BASE SERIAL # 1467-10585, ROVER SERIAL # 1467-10590.
3. THE GRID COORDINATES OF THE FIXED STATION(S) SHOWN WERE DERIVED USING A VRS NETWORK OF THE CORPS STATIONS REFERENCING NAD 83 (2011), (EPOCH 2010), GEOID 12B.
4. THE RELATIVE POSITIONAL ACCURACY OF THE GPS VECTORS DOES NOT EXCEED 0.1'H & 0.01' V.
5. BEARINGS ARE RELATIVE TO KENTUCKY (SOUTH ZONE) STATE PLANE. ALL REFERENCES TO GRID BEARINGS AND KENTUCKY (SOUTH ZONE) STATE PLANE COORDINATES AS INDICATED ARE UNADJUSTED, NAD 83 SURVEY FEET, WITH CONVERGENCE ANGLE OF 1.59680000 DEGREES, A SCALE FACTOR OF 1.00026289 DEGREES, AND A COMBINED FACTOR OF 1.00022151 DEGREES.

LEGENDS:

- IRON PIN SET THIS SURVEY
- IRON PIN FOUND
- RIGHT-OF-WAY/PROPERTY LINE
- 560 INDEX CONTOURS
- 2' INTERVAL
- OHE & T — OVERHEAD ELECTRIC & TELEPHONE LINES
- OHE — OVERHEAD ELECTRIC
- X X X X — FENCELINE

GENERAL NOTES:

1. I HEREBY CERTIFY THAT THE SURVEY DEPICTED BY THIS PLAT WAS PREPARED BY PERSONS UNDER MY DIRECT SUPERVISION BY THE METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION OF THE TRAVERSE RATIO WAS 1:11,465, AND WAS NOT ADJUSTED. THE SURVEY AS SHOWN HEREON IS AN URBAN SURVEY, AND THE ACCURACY AND PRECISION OF SAID SURVEY MEETS ALL THE SPECIFICATIONS OF THIS CLASS.
2. THIS SURVEY CONFORMS TO THE GUIDELINES SET FORTH IN THE STANDARDS OF PRACTICE, CHAPTER 0820-3, FOR A GENERAL PROPERTY SURVEY, CATEGORY II, AND HAS AN UNADJUSTED FIELD RUN TRAVERSE CLOSURE EXCEEDING 1" / 7,500'.
3. TOPOGRAPHIC ELEVATIONS SHOWN WERE DERIVED FROM GRID CROSS-SECTIONS, USING A TOTAL STATION FOR HORIZONTAL AND VERTICAL CONTROL. ALL DISTANCES MEASURED HAVE BEEN ADJUSTED FOR TEMPERATURE.
4. PARCEL NUMBERS SHOWN THUS (00), ARE OF RECORD IN THE PROPERTY VALUATION ASSESSOR'S OFFICE OF GARRARD COUNTY, KENTUCKY.
5. BEARINGS SHOWN ARE REFERENCED FROM GLOBALLY POSITIONED SATELLITE MONUMENTS AS ESTABLISHED FOR THIS SURVEY.
6. PROPERTY OWNER:
ROBERT GORDON CHASTEEN
4744 COPPER CREEK ROAD
BEREA, KY 40403
7. IRON PINS SET ARE 18" MINIMUM LENGTH REINFORCING STEEL BARS WITH A PLASTIC CAPPED EMBOSSED "KY PLS #3093", UNLESS ROCK OR OTHER LIKE MATERIAL IS ENCOUNTERED.
8. DATE OF FIELD SURVEY: WEDNESDAY, OCTOBER 16, 2024.
9. NOT VALID WITHOUT THE ORIGINAL SIGNATURE OF THE PROFESSIONAL LICENSED SURVEYOR.

SPECIAL NOTE:

THIS SURVEY PLAN WAS PERFORMED UNDER THE AUTHORITY OF KENTUCKY REVISED STATUTES (201 KAR 18.150), AND IS NOT TO BE CONSIDERED A GENERAL PROPERTY BOUNDARY SURVEY AS DEFINED WITHIN KENTUCKY REVISED STATUTES. DIMENSIONS (IF SHOWN) ALONG THE PERIMETER OF THE LANDOWNER'S PROPERTY ARE PROVIDED UNDER THIS SURVEYOR'S SCOPE OF SERVICES WITH THE TOWERS, LLC, AND ARE TO BE CONSIDERED FOR REFERENCE ONLY. THE EXACT LOCATION OF THE LANDOWNER'S PROPERTY MAY DIFFER UPON THE PREPARATION OF A FULL BOUNDARY SURVEY IN ACCORDANCE WITH REQUIREMENTS ESTABLISHED BY THE STATE OF KENTUCKY.

STATE OF KENTUCKY
F.V. NEELEY
LS-3093
LICENSED
PROFESSIONAL
LAND SURVEYOR

ROCKCASTLE COUNTY, KY

SHARONDALE
SURVEYING
INC.
P. O. BOX 146
ARRINGTON, TN 37014
(615) 513-0032
E-Mail: Sharonda@bellsouth.net

THE TOWERS LLC SITE SURVEY: KENTUCKY
"LV BRINDLE RIDGE" TOWER SITE
LOCATED IN: GARRARD COUNTY, KENTUCKY
TOWER LEASE AREA SURVEY
PREPARED FOR: THE TOWERS LLC
THE TOWERS LLC SITE NUMBER: US-KY-5210

SHEET NUMBER:

1 OF 2

PROJECT NUMBER:
224.078.20

PLOT DATE: OCTOBER 29, 2024

THE TOWERS LLC'S TOWER LEASE AREA DESCRIPTION

Beginning at a capped "Sharondale Nashville" iron pin set at the north corner of The Towers LLC's tower lease area located at Kentucky State Plane (South Zone) NAD 83 Grid Coordinate North 2,059,989.80, East, 2,038,745.85, said iron pin being North 73 degrees 37 minutes 34 seconds East, 133.80 feet from an iron pin found representing the northwest corner of the property conveyed to Robert Gordon Chasteen, of record in Deed Book D255, Page 860, of the Court Clerk's Office of Garrard County, Kentucky;

Thence, South 35 degrees 02 minutes 57 seconds East, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the east corner of The Towers LLC's tower lease area;

Thence, South 54 degrees 57 minutes 03 seconds West, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the south corner of The Towers LLC's tower lease area;

Thence, North 35 degrees 02 minutes 57 seconds West, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the west corner of The Towers LLC's tower lease area;

Thence, North 54 degrees 57 minutes 03 seconds East, 100.00 feet to the point of beginning, containing 10,000 square feet, (0.23 acres).

Being a portion of the property conveyed to Robert Gordon Chasteen, of record in Deed Book D255, Page 860, of the Court Clerk's Office of Garrard County, Kentucky.

THE TOWERS LLC'S VARIABLE WIDTH JOINT ACCESS & UTILITY EASEMENT AREA DESCRIPTION

Being a variable width joint access and utility easement extending from the west margin of Cooper Creek Road to the northeast margin of The Towers LLC's tower lease area, being more particularly described as follows:

Beginning at a capped "Sharondale Nashville" iron pin set in the west margin of Cooper Creek Road located at Kentucky State Plane (South Zone) NAD 83 Grid Coordinate North 2,059,202.21, East, 2,038,974.05, said iron pin being North 54 degrees 57 minutes 06 seconds East, 435.56 feet from an iron pin found representing the northwest corner of the property conveyed to Robert Gordon Chasteen, of record in Deed Book D255, Page 860, of the Court Clerk's Office of Garrard County, Kentucky;

Thence, with the west margin of Cooper Creek Road, South 20 degrees 51 minutes 37 seconds East, 50.63 feet to a capped "Sharondale Nashville" iron pin set;

Thence, leaving the west margin of Cooper Creek Road, North 59 degrees 06 minutes 24 seconds West, 20.90 feet to a point;

Thence, South 54 degrees 57 minutes 03 seconds West, 99.83 feet to a point;

Thence, South 51 degrees 02 minutes 43 seconds West, 38.14 feet to a point;

Thence, along a curve to the left with a central angle of 30 degrees 14 minutes 30 seconds, a radius of 6.00 feet, and a chord bearing of South 35 degrees 55 minutes 28 seconds West, 3.13 feet, a total distance of 3.17 feet to a point;

Thence, South 20 degrees 48 minutes 14 seconds West, 124.85 feet to a point;

Thence, along a curve to the right with a central angle of 34 degrees 08 minutes 49 seconds, a radius of 24.00 feet, and a chord bearing of South 37 degrees 52 minutes 38 seconds West, 14.09 feet, a total distance of 14.30 feet to a point;

Thence, South 54 degrees 57 minutes 03 seconds West, 0.24 feet to a point;

Thence, South 35 degrees 02 minutes 57 seconds East, 35.00 feet to a point;

Thence, South 54 degrees 57 minutes 03 seconds West, 30.00 feet to a capped "Sharondale Nashville" iron pin set at the east corner of The Towers LLC's tower lease area;

Thence, with the northeast margin of the The Towers LLC's tower lease area, North 35 degrees 02 minutes 57 seconds West, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the north corner of The Towers LLC's tower lease area;

Thence, leaving the northeast margin of The Towers LLC's tower lease area, North 54 degrees 57 minutes 03 seconds East, 30.00 feet to a point;

Thence, South 35 degrees 02 minutes 57 seconds East, 35.00 feet to a point;

Thence, North 20 degrees 48 minutes 14 seconds East, 121.07 feet to a point;

Thence, along a curve to the right with a central angle of 30 degrees 14 minutes 30 seconds, a radius of 36.00 feet, and a chord bearing of North 35 degrees 55 minutes 28 seconds East, 18.78 feet, a total distance of 19.00 feet to a point;

Thence, North 51 degrees 02 minutes 43 seconds East, 39.16 feet to a point;

Thence, North 54 degrees 57 minutes 03 seconds East, 121.78 feet to the point of beginning, containing 12,056 square feet, (0.277 acres).

Being a portion of the property conveyed to Robert Gordon Chasteen, of record in Deed Book D255, Page 860, of the Court Clerk's Office of Garrard County, Kentucky.

UNDERLYING LANDOWNER'S PROPERTY AREA DESCRIPTION

The following described real property located in Garrard County, Kentucky more particularly bounded and described as follows:

Beginning at a stake in the Lancaster and Mt. Vernon Road, also being a corner of Oscar Chasteen; thence with Oscar Chasteen's line South 57 West 27 1/8 poles to Ed Wilmot's line; thence with Ed Wilmot's line South 14 East 58 poles to a stake on the bank of Copper Creek; thence with the meanders of said creek South 88 East 41 poles to a stake in the Lancaster and Mt. Vernon Road; thence with said road North 5 West 10 poles to the point of beginning, containing twenty (20) acres more or less.

PARCEL ID: 71-14

This being the same property conveyed to Robert Gordon Chasteen, in a deed from Patsy Chasteen, dated 8/17/2009 and recorded 8/28/2009, in Book D255, Page 660, as Instrument No. 00101070.

SURVEYOR'S REVIEW OF "SPECIAL EXCEPTIONS"

NOTES CORRESPONDING TO TOWER TITLE LLC INSURANCE COMPANY'S "TITLE COMMITMENT" - COMMITMENT NO. VTB-173367-C, ISSUED APRIL 12, 2024.

EXCEPTION NUMBERS ONE THROUGH NINE ARE NOT THE TYPE OF EXCEPTION(S) TO BE SHOWN UPON THE FACE OF THIS SURVEY.

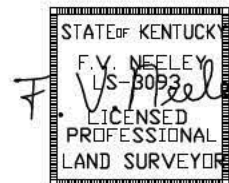
10- RIGHT OF WAY EASEMENT BETWEEN CLYDE CHASTEEN A& PATSY CHASTEEN; AND GARRARD COUNTY WATER ASSOCIATION, INC., DATED OCTOBER 23, 1983 AND RECORDED FEBRUARY 16, 1984, IN (BOOK 132 (PAGE 386, OF THE COURT CLERK'S OFFICE OF GARRARD COUNTY, KENTUCKY, IS NOT APPLICABLE TO THE TOWER LLC'S TOWER LEASE AREA, AND DOES NOT ADVERSELY AFFECT THE TOWERS LLC'S JOINT ACCESS AND UTILITY EASEMENT AREA.

SURVEYOR'S STATEMENTS:

I hereby certify to: Vertical Bridge REIT, LLC, a Delaware limited liability company, it's subsidiaries, and their respective successors and/or assigns, and (ii) Toronto Dominion (Texas) LLC, as Administrative Agent, for itself and on behalf of the lenders parties from time to time to that certain Second Amended And Restated Loan Agreement dated June 17, 2016 with Vertical Bridge Holdco, LLC, as borrower, and Vertical Bridge Holdco Parent, LLC, as parent, as may be amended, modified or renewed their successors and assigns as their interests may appear; and Tower Title, LLC, that (i) The Tower LLC's Access and Utility Easement run to a confirmed public R.O.W., (ii) The Tower LLC's tower lease and easement areas lie entirely within the Parent Parcel(s), (iii) at the time of this survey, there were no encroachments affecting The Tower LLC's Tower Lease or The Tower LLC Easement Areas.

F. V. Neeley

Frank V. Neeley, Registered Land Surveyor
State of Kentucky PLS # 3093.



SHARONDALE
SURVEYING
INC.
P. O. BOX 146
ARRINGTON, TN 37014
(615) 513-0032
E-Mail: Sharonda@bellsouth.net

THE TOWERS LLC SITE SURVEY: KENTUCKY
"LV BRINDLE RIDGE" TOWER SITE
LOCATED IN: GARRARD COUNTY, KENTUCKY
TOWER LEASE AREA SURVEY
PREPARED FOR: THE TOWERS LLC
THE TOWERS LLC SITE NUMBER: US-KY-5210

SHEET NUMBER:

2 OF 2

PROJECT NUMBER:

224.078.20

PLOT DATE: OCTOBER 29, 2024

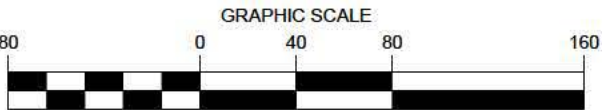


APWA UTILITY COLOR CODES

	PROPOSED CONSTRUCTION
	TEMPORARY SURVEY MARKINGS
	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
	GAS, OIL STEAM PETROLEUM OR GASEOUS MATERIALS
	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES OR CONDUIT
	POTABLE WATER
	RECLAIMED WATER, IRRIGATION AND SLURRY LINES
	SEWERS AND DRAIN LINES



Know what's below.
Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



OVERALL SITE PLAN
w/AERIAL OVERLAY

SCALE: 1" = 80'



Bowman

3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
PHONE: (502) 459-8402

LASHBROOK
ENGINEERING

CRESTWOOD, KENTUCKY 40014
PHONE: (270) 314-3629

verticalbridge

750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487
PHONE: (561) 948-6367

REV	DATE	DESCRIPTION
A	11/06/24	LEASE EXHIBIT
B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/26/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
E	02/18/25	UTILITY COORDINATION
F	03/24/25	ZONING ISSUE



LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403
OVERALL SITE PLAN W/
AERIAL OVERLAY

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
240900-01-079 (25-003)

C-1

WK PAD & CANOPY REV 4.3 FINAL, 09/30/24

Bowman

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PHONE: (502) 459-8402

LASHBROOK
ENGINEERING

CRESTWOOD, KENTUCKY 40014
PHONE: (270) 314-3829

verticalbridge

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PHONE: (561) 948-6367

REV	DATE	DESCRIPTION
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B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/28/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
E	02/18/25	UTILITY COORDINATION
F	03/24/25	ZONING ISSUE



LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403

OVERALL SITE PLAN W/
PLATFORM DISTANCE TO
PROPERTY LINES

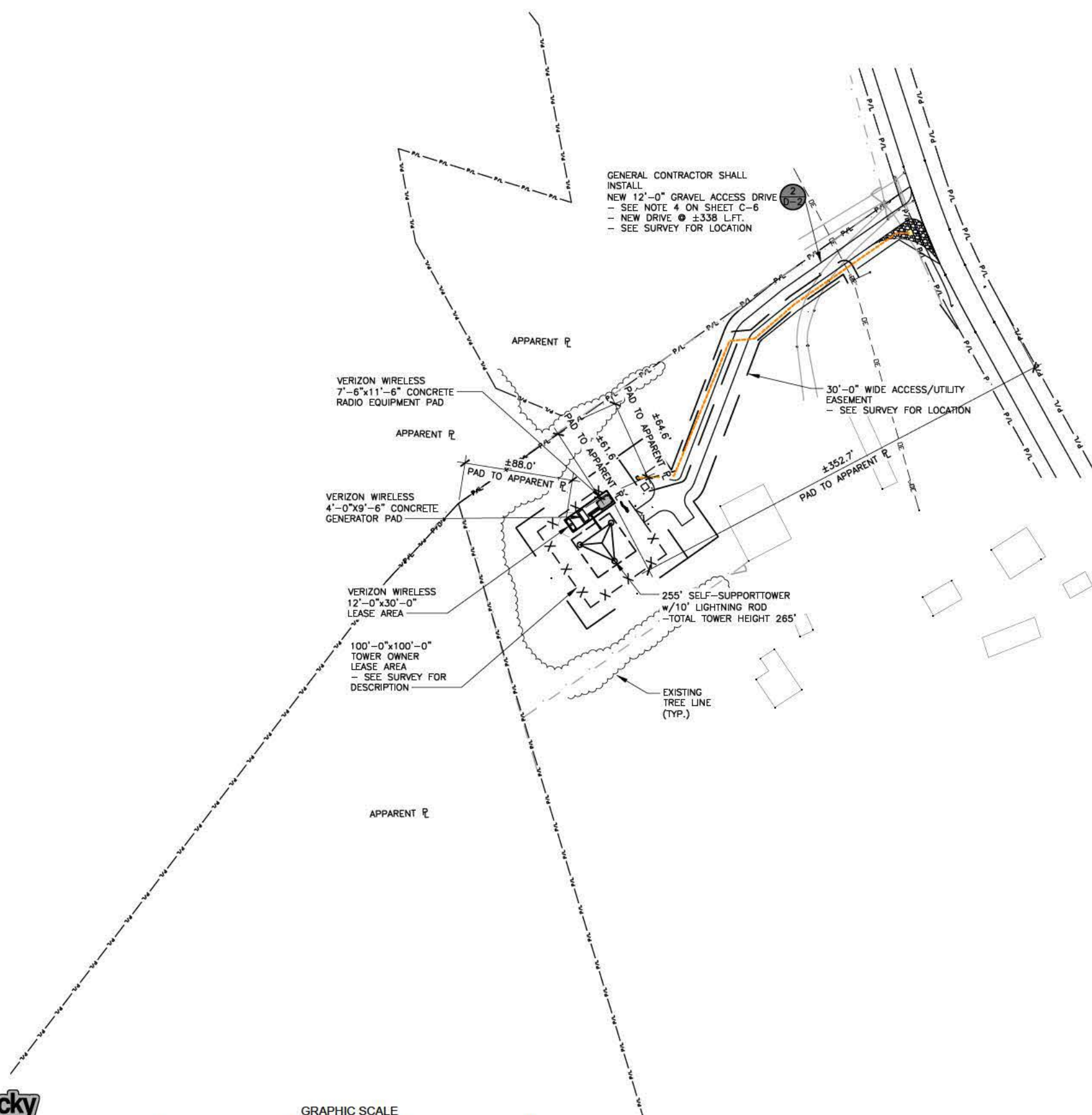
ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
240900-01-079 (25-003)

C-1A

WK PAD & CANOPY REV 4.3 FINAL 09/30/24



GENERAL CONTRACTOR SHALL
INSTALL
NEW 12'-0" GRAVEL ACCESS DRIVE
- SEE NOTE 4 ON SHEET C-6
- NEW DRIVE @ ±338 L.F.T.
- SEE SURVEY FOR LOCATION

VERIZON WIRELESS
7'-6"x11'-6" CONCRETE
RADIO EQUIPMENT PAD

VERIZON WIRELESS
4'-0"x9'-6" CONCRETE
GENERATOR PAD

VERIZON WIRELESS
12'-0"x30'-0" LEASE AREA

100'-0"x100'-0" TOWER OWNER
LEASE AREA
- SEE SURVEY FOR
DESCRIPTION

255' SELF-SUPPORT TOWER
w/10' LIGHTNING ROD
- TOTAL TOWER HEIGHT 265'

EXISTING TREE LINE
(TYP.)

30'-0" WIDE ACCESS/UTILITY
EASEMENT
- SEE SURVEY FOR LOCATION

±352.7'
PAD TO APPARENT R

±88.0'
PAD TO APPARENT R

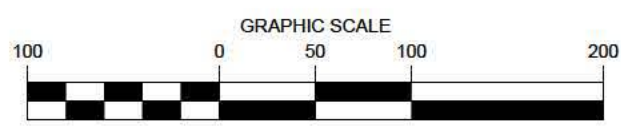
±61.6'
PAD TO APPARENT R

±64.6'
PAD TO APPARENT R



Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007

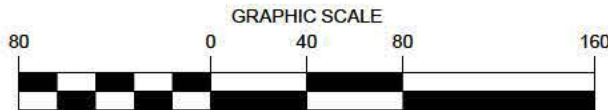
PER KENTUCKY STATE LAW, IT IS AGAINST THE
LAW TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.



OVERALL SITE PLAN w/PAD
DISTANCE TO PROPERTY LINES

SCALE: 1" = 100'





TOWER DISTANCE TO
RESIDENTIAL STRUCTURES

SCALE: 1" = 80'



Call Monday thru Friday - 7 am. to 6 pm.
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Bowman

3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
PHONE: (502) 456-8402

LASHBROOK
ENGINEERING

CRESTWOOD, KENTUCKY 40014
PHONE: (270) 314-3626

verticalbridge

750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487
PHONE (561) 946-6367

REV	DATE	DESCRIPTION
A	11/09/24	LEASE EXHIBIT
B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/26/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
1	03/24/25	UTILITY COORDINATION
		ZONING ISSUE



LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403

TOWER DISTANCE TO
RESIDENTIAL STRUCTURES

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
240900-01-079 (25-003)

C-1B

MRK PAD & CANOPY REV 4.3 FINAL 09/30/24

REV	DATE	DESCRIPTION
A	11/06/24	LEASE EXHIBIT
B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/26/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
1	02/18/25	UTILITY COORDINATION
	03/24/25	ZONING ISSUE



LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403

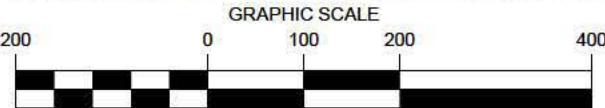
500' RADIUS
OWNER/STRUCTURE MAP

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
240900-01-079 (25-003)

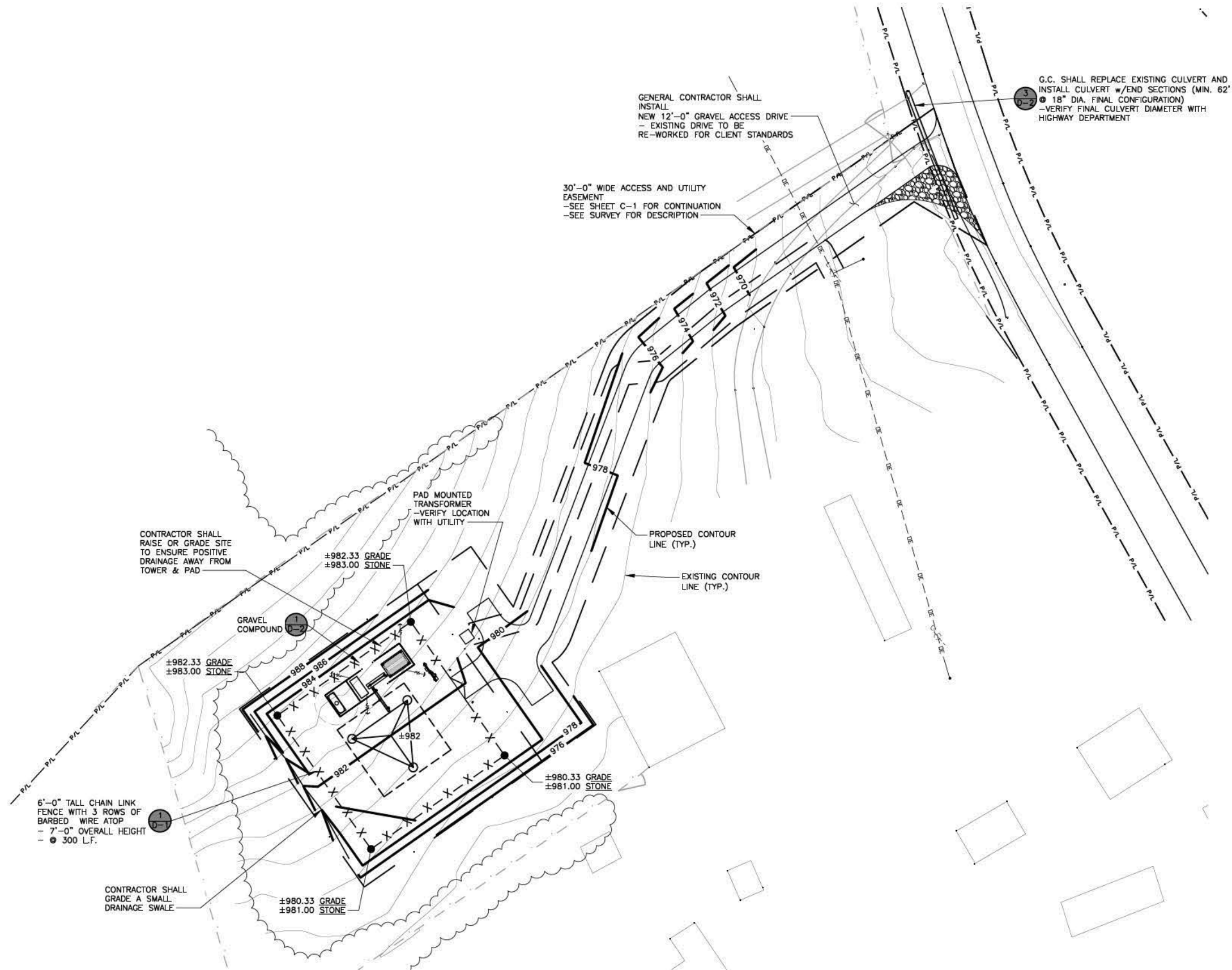
C-1D



500' RADIUS
OWNER/STRUCTURE MAP

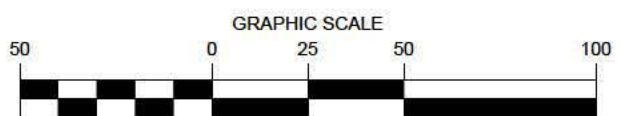
SCALE: 1" = 200'





GRADING AND E&S
CONTROL PLAN

SCALE: 1" = 50'



Know what's below.
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Bowman
3001 TAYLOR SPRINGS DRIVE
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PHONE (502) 458-8402
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REV	DATE	DESCRIPTION
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LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403
GRADING AND E&S
CONTROL PLAN

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
240900-01-079 (25-003)

C-2

WK PAD & CANOPY REV 4.3 FINAL 09/30/24

REV	DATE	DESCRIPTION
A	11/09/24	LEASE EXHIBIT
B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/28/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
1	02/18/25	UTILITY COORDINATION
	03/24/25	ZONING ISSUE



LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403

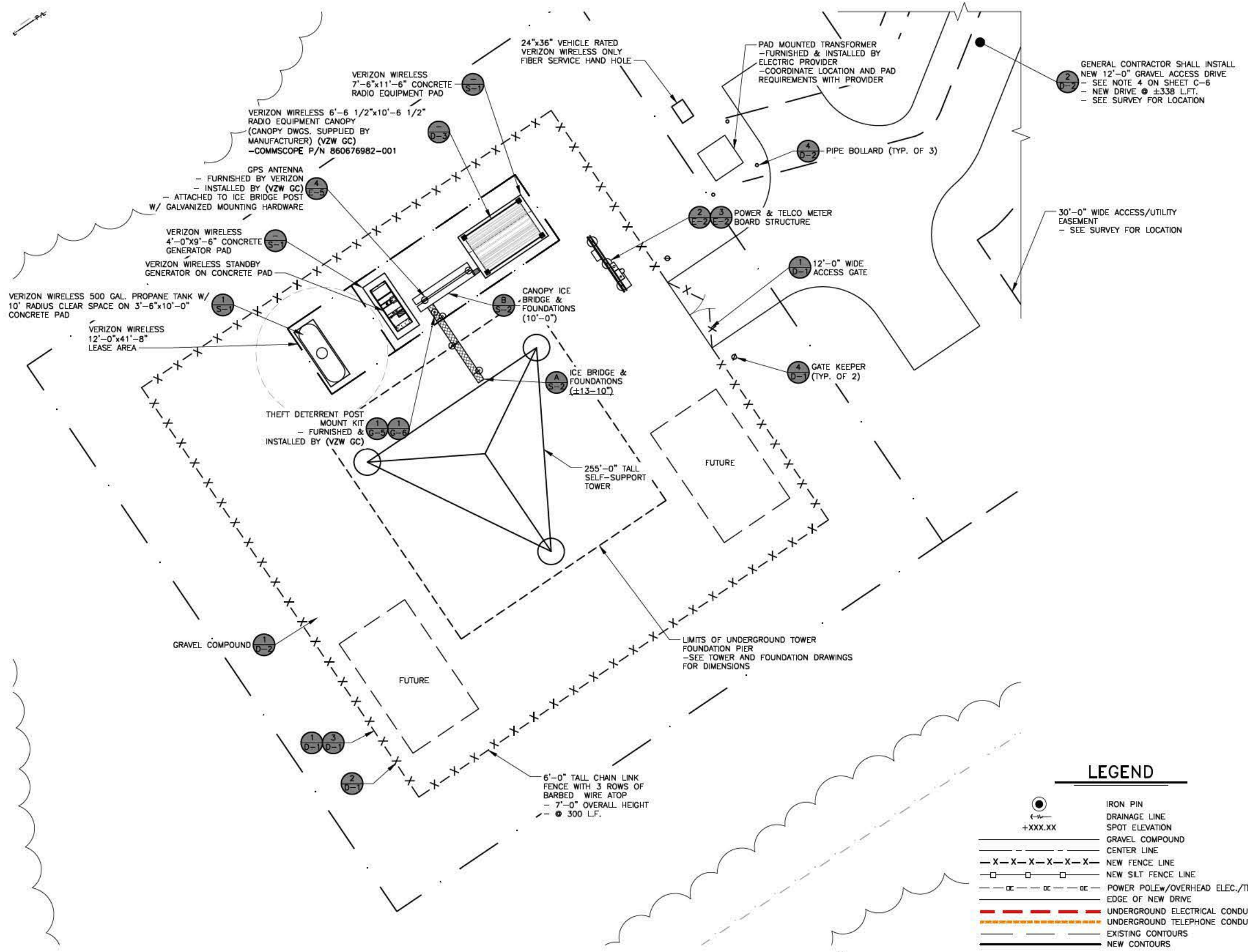
DETAILED SITE PLAN

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

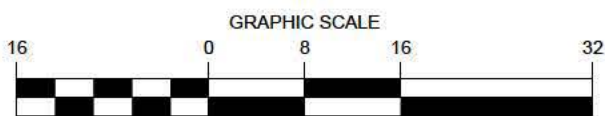
JOB NUMBER
240900-01-079 (25-003)

C-3



LEGEND

- IRON PIN
- DRAINAGE LINE
- SPOT ELEVATION
- GRAVEL COMPOUND
- CENTER LINE
- NEW FENCE LINE
- NEW SILT FENCE LINE
- POWER POLEw/OVERHEAD ELEC./TELE.
- EDGE OF NEW DRIVE
- UNDERGROUND ELECTRICAL CONDUIT
- UNDERGROUND TELEPHONE CONDUIT
- EXISTING CONTOURS
- NEW CONTOURS
- FENCED COMPOUND
- CONCRETE
- ACCESS DRIVE



DETAILED SITE PLAN

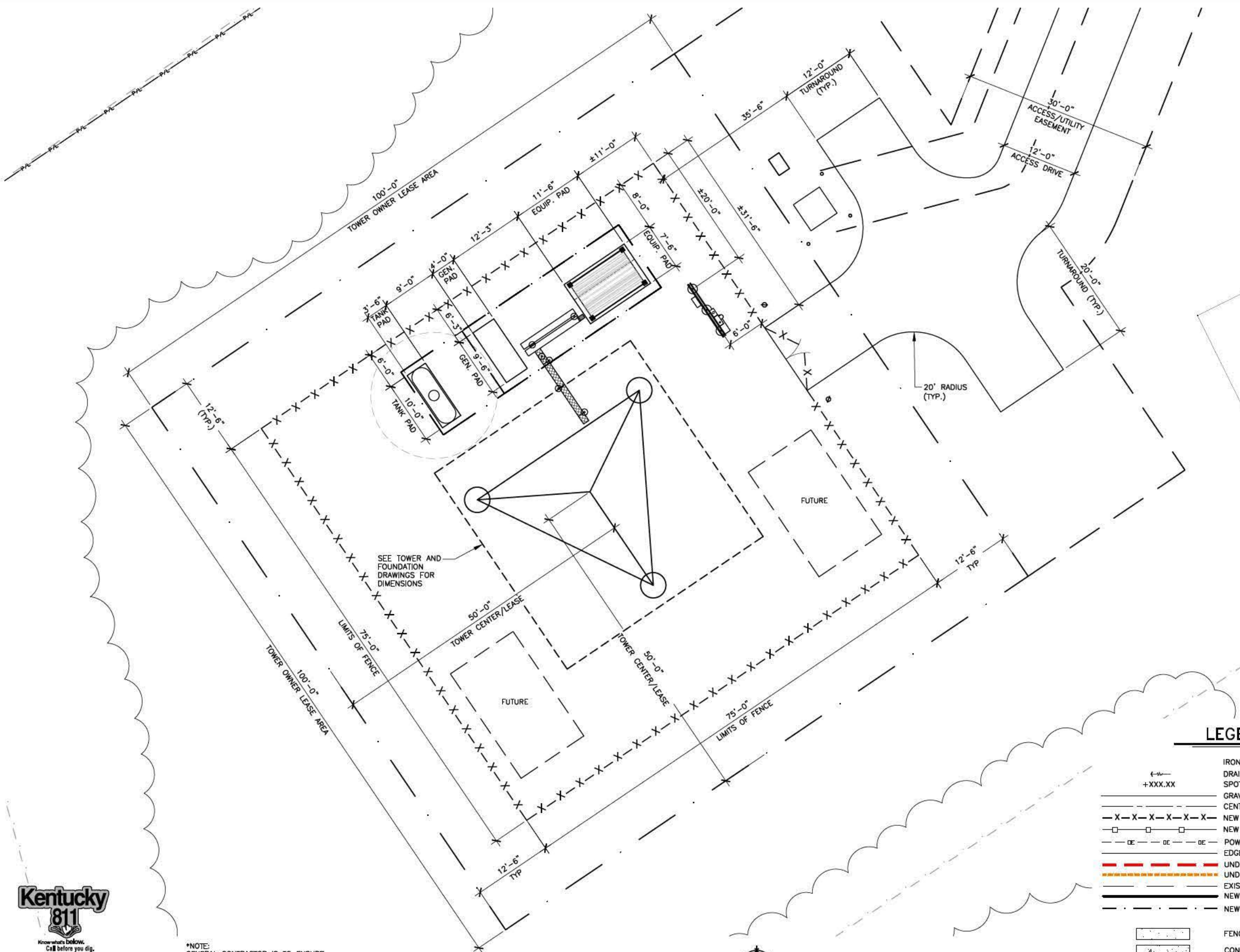
SCALE: 1/16" = 1'-0"



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1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE
LAW TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

*NOTE:
GENERAL CONTRACTOR IS TO ENSURE
THERE IS NO DISTURBANCE OF
PROPERTY, SOIL, ETC. OUTSIDE OF
THE STAKED LEASE AREA WITHOUT
APPROVAL FROM VERIZON WIRELESS
CONSTRUCTION MANAGER



DIMENSIONED SITE PLAN

SCALE: 1/16" = 1'-0"



LEGEND

	IRON PIN
	DRAINAGE LINE
	SPOT ELEVATION
	GRAVEL COMPOUND
	CENTER LINE
	NEW FENCE LINE
	NEW SILT FENCE LINE
	POWER POLEw/OVERHEAD ELEC./TELE.
	EDGE OF NEW DRIVE
	UNDERGROUND ELECTRICAL CONDUIT
	UNDERGROUND TELEPHONE CONDUIT
	EXISTING CONTOURS
	NEW CONTOURS
	NEW LEASE AREA AND EASEMENT
	FENCED COMPOUND
	CONCRETE
	ACCESS DRIVE

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LASHBROOK
ENGINEERING
CRESTWOOD, KENTUCKY 40014
PHONE (270) 314-3829

verticalbridge

750 PARK OF COMMERCE DRIVE
BOCA RATON, FL 33487
PHONE (561) 948-6367

REV	DATE	DESCRIPTION
A	11/06/24	LEASE EXHIBIT
B	12/05/24	LEASE EXHIBIT (TOWER HT)
C	01/28/25	PRELIMS - ZONING
D	01/30/25	ZONING ISSUE
1	02/18/25	UTILITY COORDINATION
	03/24/25	ZONING ISSUE



LV BRINDLE RIDGE
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BEREA, KY 40403

DIMENSIONED SITE PLAN

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RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
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C-4

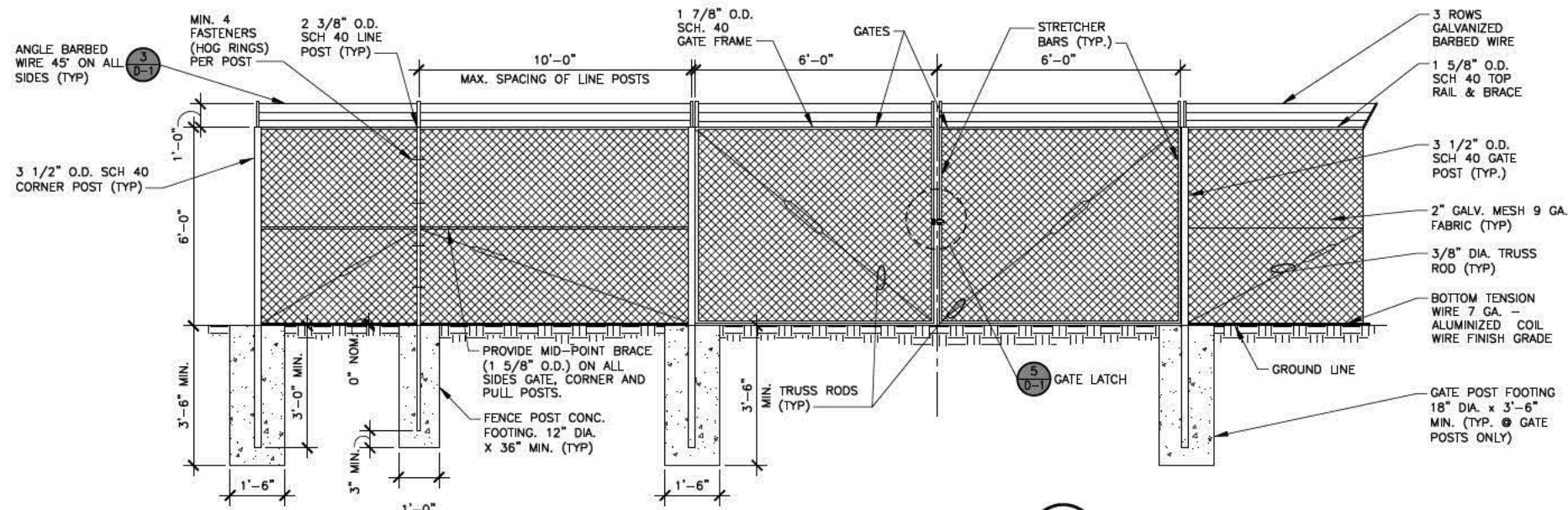
WK PAD & CANOPY REV 4.3 FINAL 09/30/24



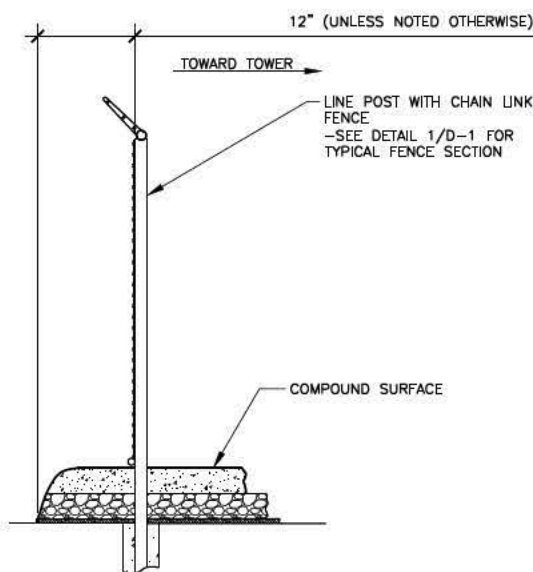
Know what's below.
Call before you dig.
1-800-752-6007

PER KENTUCKY STATE LAW, IT IS AGAINST THE
LAW TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

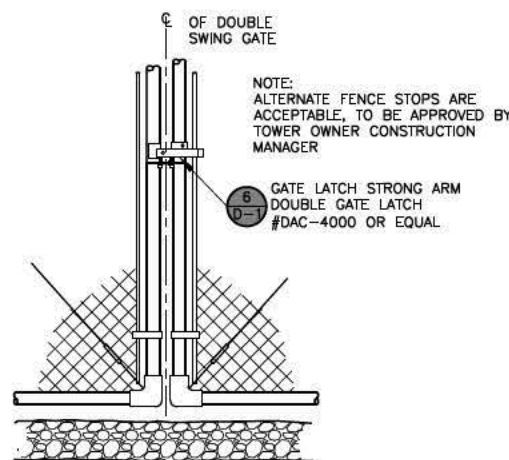
*NOTE:
GENERAL CONTRACTOR IS TO ENSURE
THERE IS NO DISTURBANCE OF
PROPERTY, SOIL, ETC. OUTSIDE OF
THE STAKED LEASE AREA WITHOUT
APPROVAL FROM VERIZON WIRELESS
CONSTRUCTION MANAGER



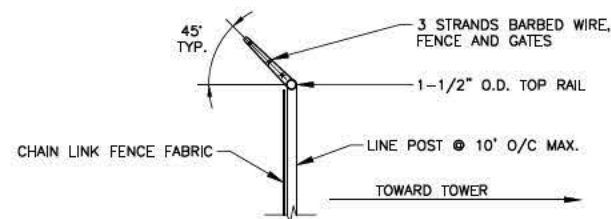
CHAIN LINK FENCE & POST DETAIL 1
D-1
SCALE: N.T.S.



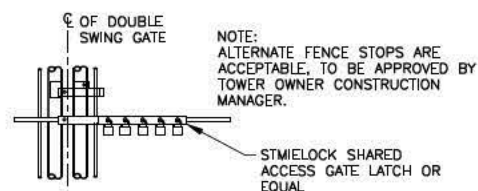
SITE AREA SURFACING 2
D-1
SCALE: N.T.S.



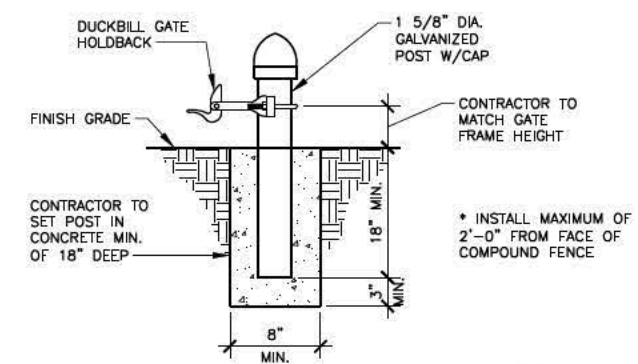
GATE LATCH DETAIL 5
D-1
SCALE: N.T.S.



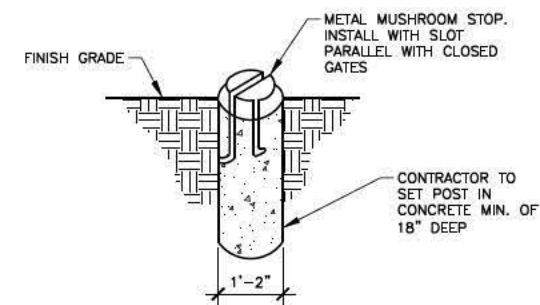
TYPICAL BARBED WIRE DETAIL 3
D-1
SCALE: N.T.S.



GATE LATCH DETAIL 6
D-1
SCALE: N.T.S.



GATE KEEPER DETAIL 4
D-1
SCALE: N.T.S.



MUSHROOM STOP DETAIL 7
D-1
SCALE: N.T.S.

CHAIN LINK FENCING NOTES

1. ALL FENCE AND FABRIC SHALL BE HOT DIPPED GALVANIZED WITH A MINIMUM OF 2 OZ. PER SQUARE FOOT, 9 GAUGE WIRE (MIN. BREAKING STRENGTH OF 1,290 LBS) WITH 2\"
2. BOTTOM EDGE OF FENCE FABRIC SHALL EXTEND TO FINISHED GRADE.
3. SITE FENCE SHALL BE 6'-0\"
4. BARBED WIRE SHALL MEET ASTM A 121, CLASS 3 GALV. OR ASTM A 585, TYPE I, CLASS 2 COATING (NOT LESS THAN 0.8 OZ. PER SQ. FT.) AND SHALL BE THREE STRAND 12.5 GAGE W/4 POINT BARBS AT 5\"
5. BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROSTLINE (SEE LOCAL CODE). WHERE SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, INCREASE CONCRETE SURROUNDING FENCE POST FOUNDATION DIAMETERS BY 8\", PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI (MIN.)
6. PROVIDE A DIAGONAL BRACE ROD AND TURN BUCKLE ON BOTH GATE LEAFS.
7. ALL RAILS AND BRACES SHALL BE SCHEDULE 40 STEEL PIPE, AND ALL FENCE POSTS SHALL BE SCHEDULE 40 STEEL PIPE, AND BE 2 OZ. GALVANIZED COATED.
8. CONTRACTOR SHALL ENSURE ALL POSTS ARE PLUMB.
9. ALL FENCE SHALL BE FABRICATED AND INSTALLED PER ASTM F2611-15, ASTM F567-14a AND CHAIN LINK FENCE MANUFACTURES INSTITUTE CLFMI-PM 2445.
10. CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) MASTER LOCK LONG SHANK #175LH COMBINATION PADLOCK. COMBINATION TO BE SET AT 7011.

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FENCE DETAILS AND NOTES

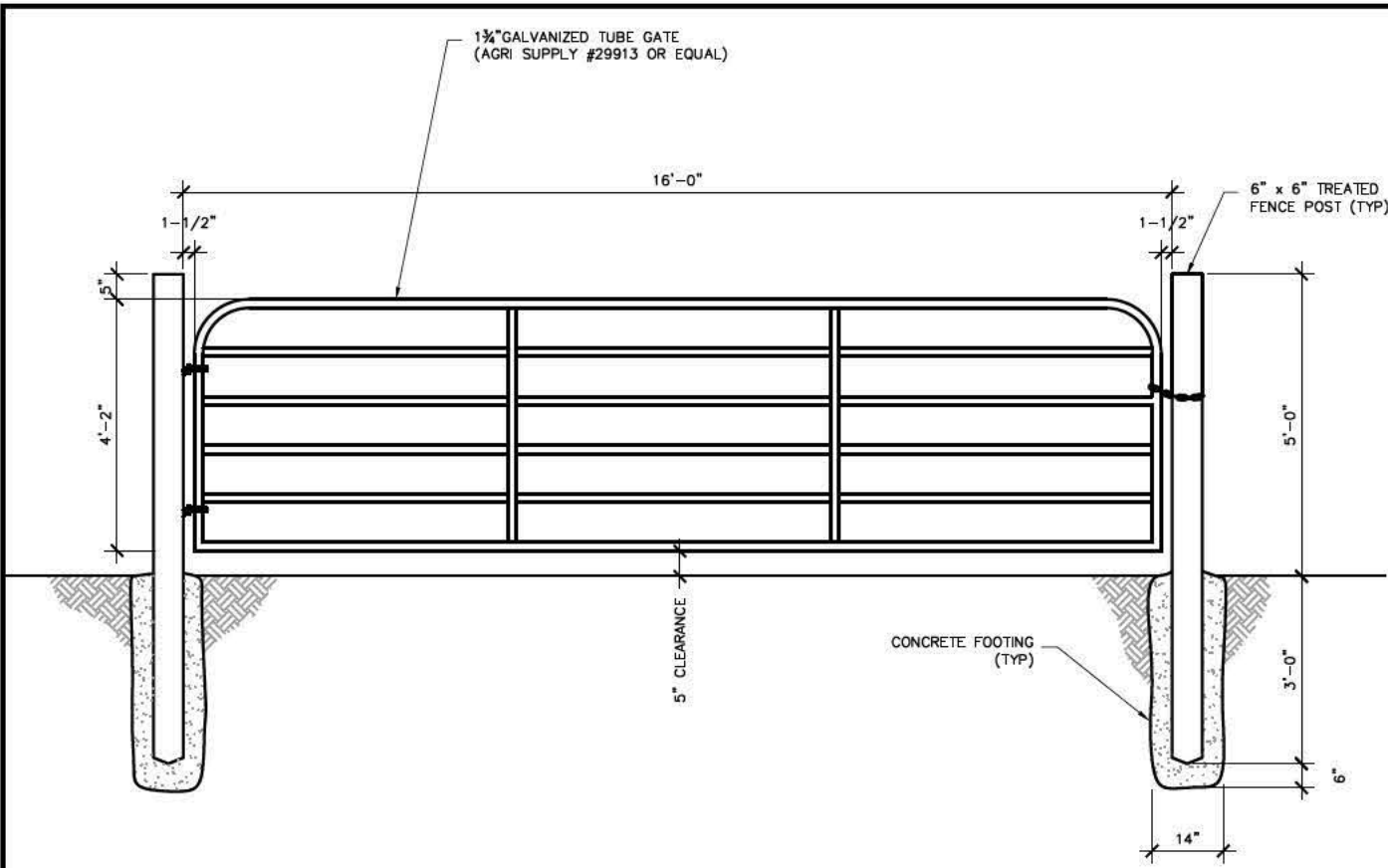
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PROJECT MANAGER	DESIGNER
JTL	JTL

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D-1

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16' WIDE CATTLE GATE 1
SCALE: N.T.S. D-1A

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STATE OF KENTUCKY

JEFFREY LASHBROOK
35042

LICENSED PROFESSIONAL ENGINEER

LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403

FENCE DETAILS AND NOTES

ISSUED FOR:	
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RECORD	-

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D-1A

WK PAD & CANOPY REV 4.3 FINAL, 09/30/24

STANDARD SITE SIGNAGE:

REQUIRED SIGNS:	LOCATIONS:
C1 • N.O.C. "IN CASE OF EMERGENCY"	FRONT ACCESS DOOR OF CABINET (SEE FIGURE 1)
C2 • NOTICE (CONTACT INFO)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
C3 • COMBINATION WARNING (SEE NOTE 2)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
C4 • COMBINATION WARNING (SEE NOTE 2)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
C5 • S.D.S.	INSIDE FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES

—N.O.C. STANDS FOR "NETWORK OPERATIONS CENTER"
—S.D.S. STANDS FOR "SAFETY DATA SHEET"

NOTES:

- CONTRACTOR SHALL INSTALL ALL SIGNS ON THE FRONT OF EACH CABINET. ALL SIGNS CAN BE PLACED ON ONLY THE UPPER DOOR, IF SPACE IS AVAILABLE.
- CONTRACTOR SHALL INSTALL SIGN C3 OR C4 BASED ON THE TYPE OF BATTERY THAT IS BEING INSTALLED.



SIGNAGE FOR SITES OWNED BY VERTICAL BRIDGE:

REQUIRED SIGNS:	LOCATIONS:
S1 • NOTICE "ENVIRONMENT GUIDELINES"	INSTALL ON COMPOUND FENCE
S2 • APC STANDARD TOWER SIGNAGE	INSTALL AT DRIVEWAY
A1 • TEMPORARY/PERMANENT A.S.R.	INSTALL AT TOWER
A1 • PERMANENT A.S.R.	INSTALL AT FENCE
A1 • PERMANENT A.S.R.	INSTALL AT GATE/POST

—A.S.R. STANDS FOR "ANTENNA STRUCTURE REGISTRATION"
—N.O.C. STANDS FOR "NETWORK OPERATIONS CENTER"

NOTES:

- CONTRACTOR SHALL VERIFY IF A.S.R. SIGNAGE IS REQUIRED WITH THE APC TOWERS CONSTRUCTION MANAGER PRIOR TO SIGNAGE INSTALLATION.
- A.S.R. SIGNAGE TO BE INSTALLED AT A MINIMUM OF TWO LOCATIONS AS FOLLOWS:
 - (1) ALWAYS ON THE TOWER
 - (1) ALWAYS ON THE FENCE
 - (1) ON THE DRIVEWAY ENTRANCE GATE OR STANDALONE POST IE THE A.S.R. SIGN ON THE COMPOUND FENCE CANNOT BE READ FROM THE ROAD.
- IF NO ENTRANCE GATE IS PROPOSED, A.S.R. SIGN SHALL BE INSTALLED ON 4" DIAMETER STEEL POST AT 42" ABOVE EX. GRADE.

SIGNAGE FOR EACH GENERATOR FUEL TYPE:

PROPANE GENERATOR

REQUIRED SIGNS:	LOCATIONS:
P1 • "DANGER PROPANE"	INSTALL ON PROPANE TANK (SEE FIGURE 7)
P2 • HAZARD DIAMOND	INSTALL ON PROPANE TANK (SEE FIGURE 7)
P1 • "DANGER PROPANE"	INSTALL ON GENERATOR
P3 • NOTICE SIGN	INSTALL ON GENERATOR



FIGURE 7 — PROPANE TANK & GENERATOR SIGNAGE



FIGURE 5 — EME SIGN



FIGURE 3 — TOWER A.S.R. SIGN



FIGURE 1 — ENVIRONMENT GUIDELINES



FIGURE 4 — FENCE COMPOUND A.S.R. SIGN



FIGURE 6 — DRIVEWAY A.S.R. SIGN

E.M.E. SIGNAGE NOTES:

VZW GC SHALL VERIFY WITH THE VERIZON CONSTRUCTION MANAGER IF ANY E.M.E. SIGNAGE (SEE FIGURE 9) IF REQUIRED. ANY REQUIRED E.M.E. SIGNAGE WILL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC PRE-E.M.E. REPORT AND MOUNT AS APPROPRIATE FOR THE SIGN LOCATION.



FIGURE 9 — TYPICAL E.M.E. SIGNAGE



FRONT



REAR

FIGURE 1 — EQUIPMENT CABINET SIGNAGE

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VERIZON WIRELESS
SIGNAGE (REFERENCE
ONLY)

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PROJECT MANAGER	DESIGNER
JTL	JTL

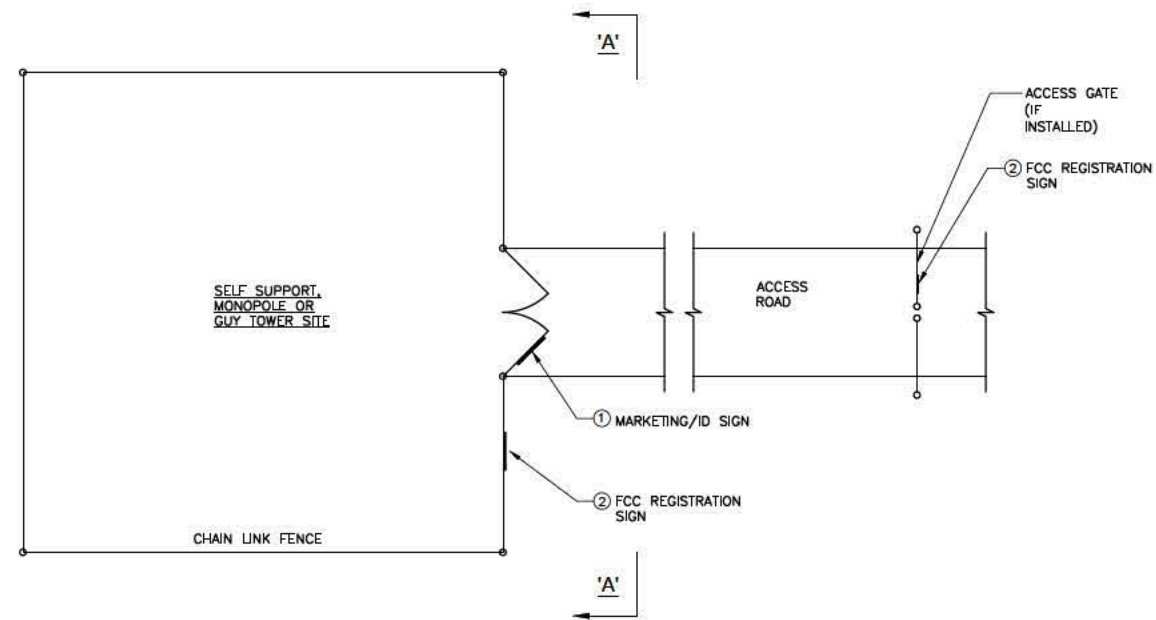
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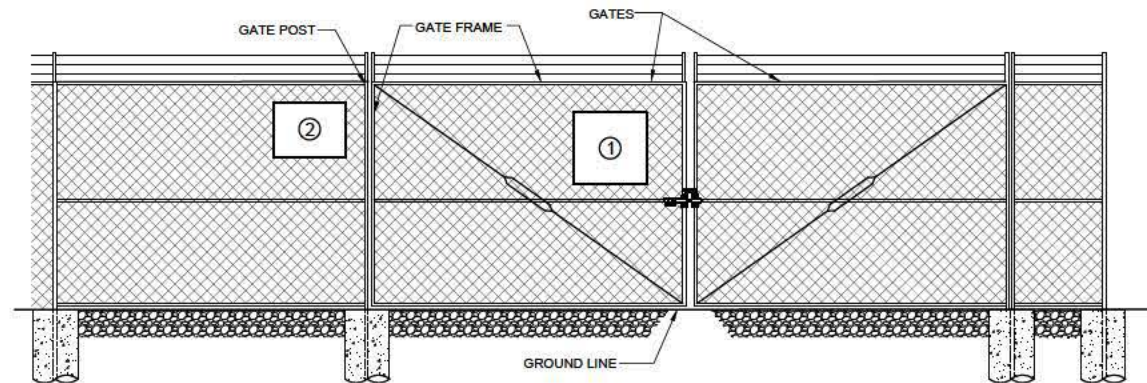
NOTES:

VERIZON WIRELESS SITE ID SIGN, RFE SIGNS, NOC INFORMATION SIGN AND ALL OTHER SIGNAGE NOT REFERENCED IN THIS DRAWING WILL BE FURNISHED AND INSTALLED BY VERIZON WIRELESS PERSONELL PER VERIZON WIRELESS RFC SIGNAGE & DEMARCATION POLICY.



TYPICAL SITE FENCE SIGNAGE PLAN

SCALE: N. T. S.



ELEVATION "A-A"

SCALE: N. T. S.

TOWER OWNER	
TOWER ID	
FCC REGISTRATION	
TOWER LEASING OFFICE	
XXX-XXX-XXXX	
VISIT OUR WEBSITE	
www.towerowner.com	

WHITE BACKGROUND
w/BLACK LETTERING

MARKETING/ID SIGN

24" WIDE x 24" HIGH

1

FCC ANTENNA STRUCTURE REGISTRATION
--

WHITE BACKGROUND
w/BLACK LETTERING

FCC REGISTRATION SIGN

24" WIDE x 18" HIGH

2

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TOWER OWNER SITE FENCE
SIGNAGE (REFERENCE
ONLY)

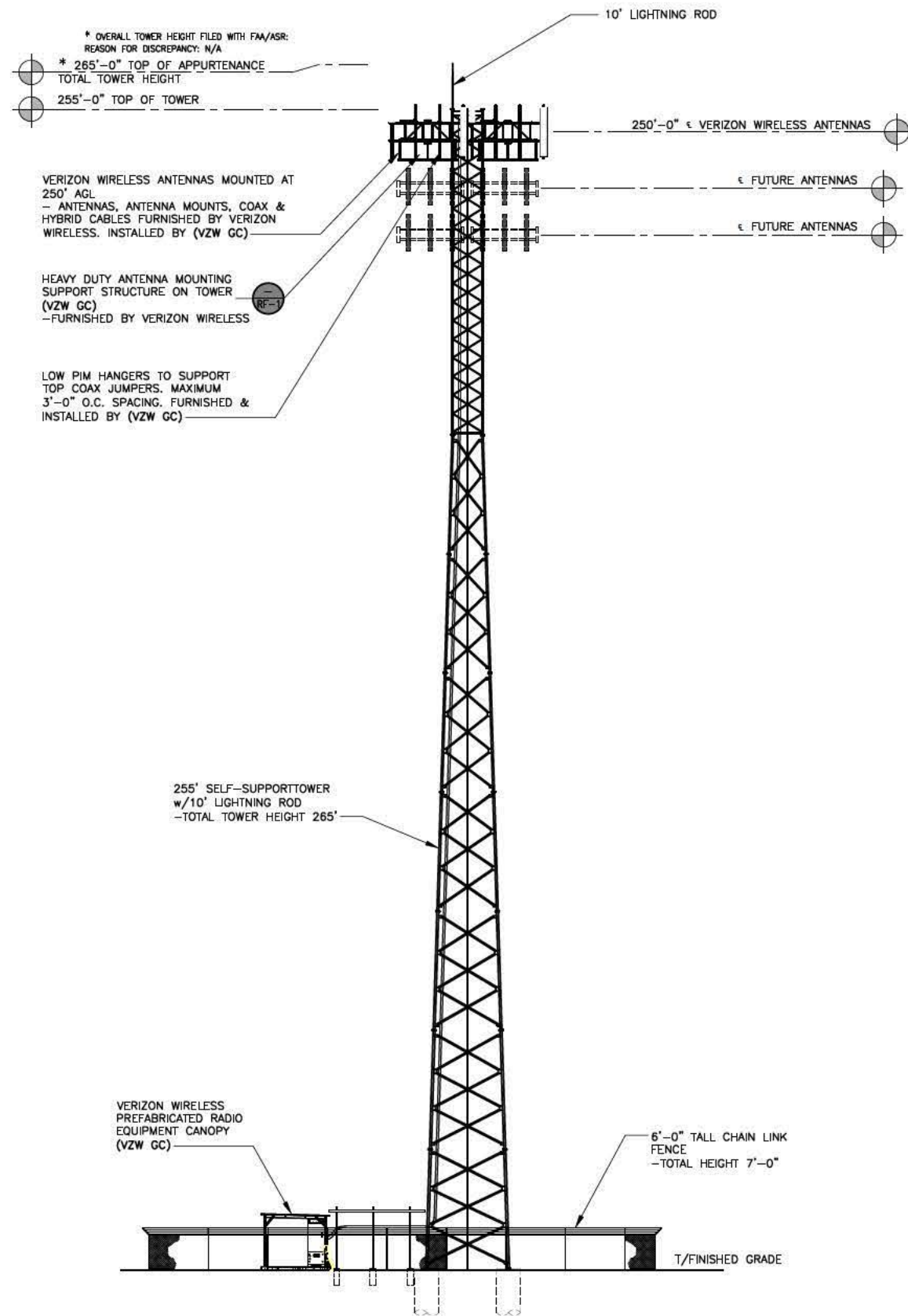
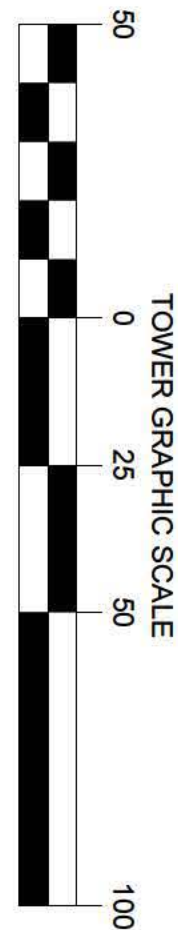
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PROJECT MANAGER	DESIGNER
JTL	JTL

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D-5

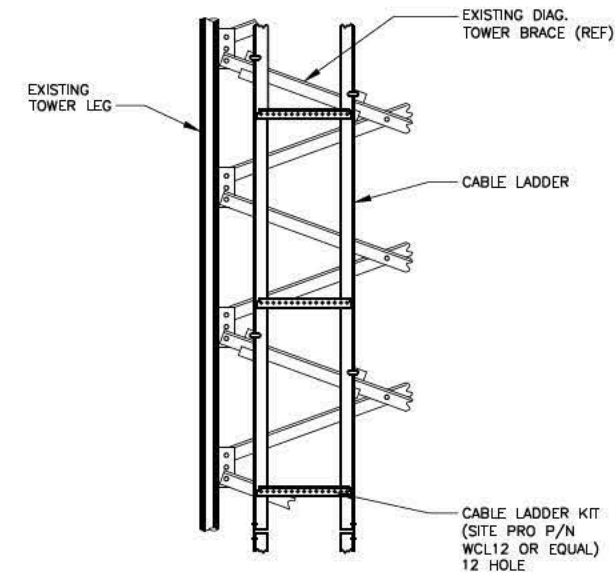
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TOWER ELEVATION

SCALE: SEE CUSTOM SCALE BAR

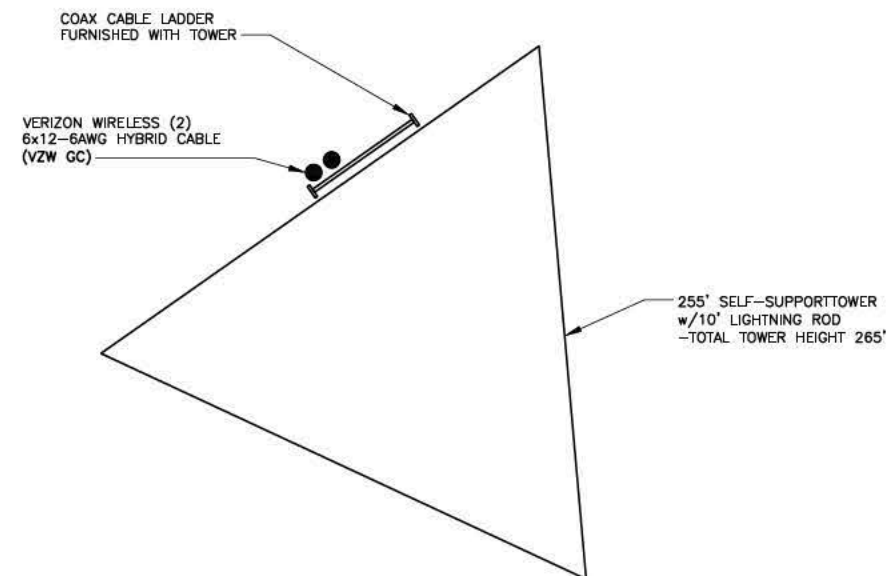
1
TE-1



CABLE LADDER ATTACHMENT DETAIL

SCALE: N.T.S.

2
TE-1



COAX PLAN

SCALE: N.T.S.

NOTE:

- IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY VERIZON LEGAL BUSINESS ENTITY d/b/a VERIZON WIRELESS (VZW GC)
- ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE USFWS INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 200' IN HEIGHT.

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LV BRINDLE RIDGE
4744 COPPER CREEK RD
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TOWER ELEVATION

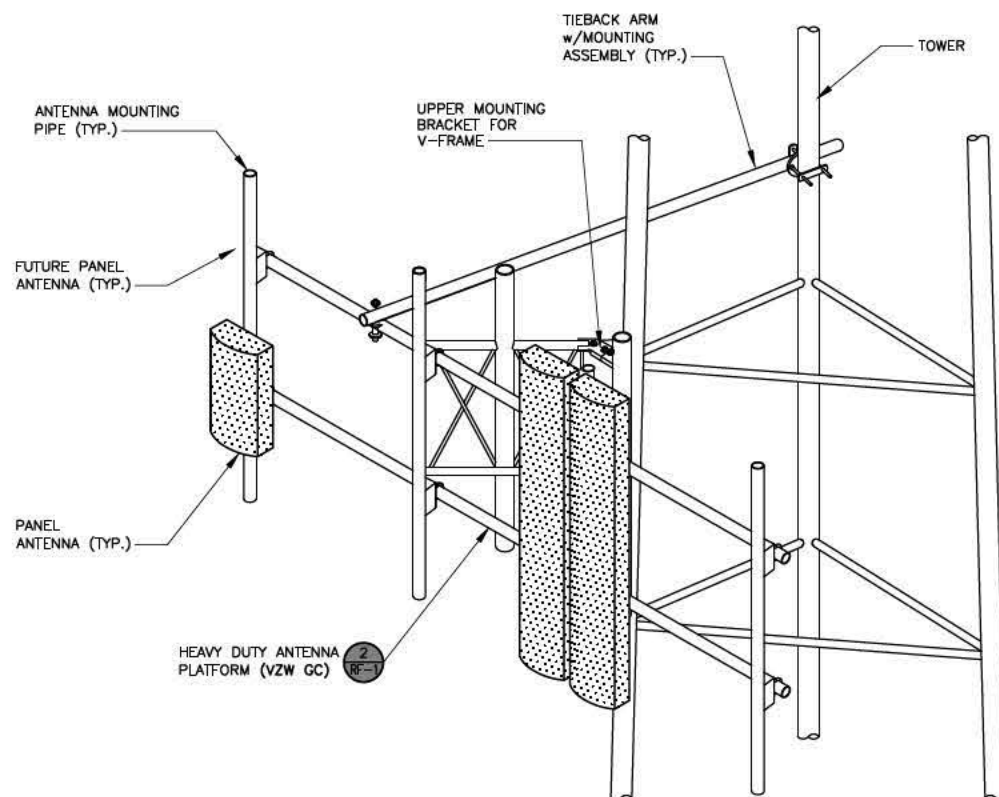
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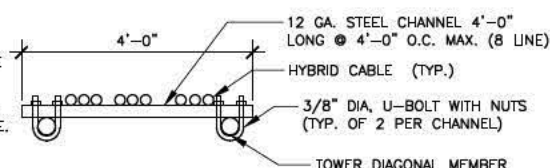


ANTENNA MOUNT 1
SCALE: N.T.S.
(BY VZW GC) RF-1

ANTENNA AND HYBRID CABLES

CONTRACTOR MAY SUBSTITUTE AN ALTERNATE METHOD TO SUPPORT THE HYBRID CABLES, BUT SHALL SUBMIT DETAILING OF THE ALTERNATE METHOD TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THE INSTALLATION OF THE CABLES.

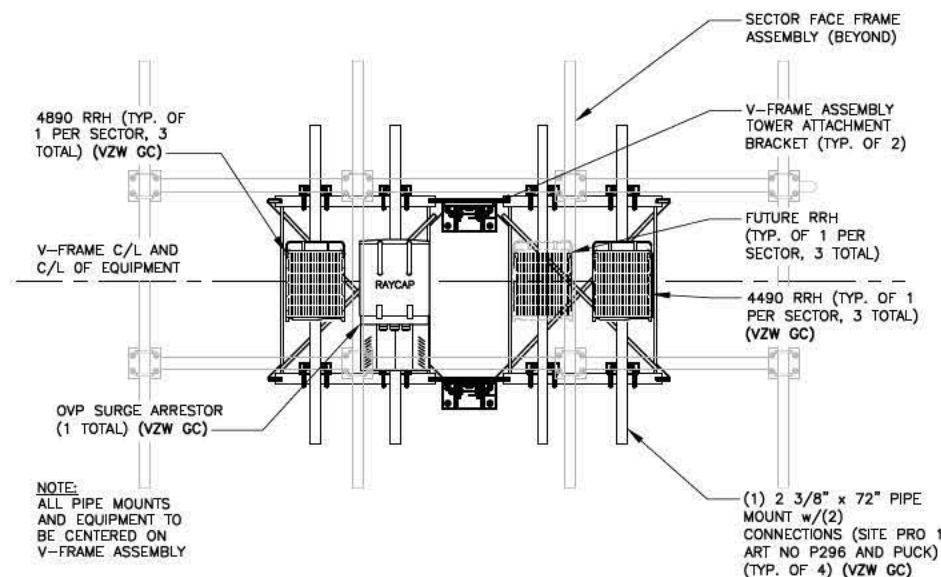
THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE STRUCTURAL ANALYSIS FOR REQUIRED HYBRID CABLE SUPPORT CONFIGURATIONS NOT INDICATED ON THE DETAIL, I.E. BUNDLED CABLES.



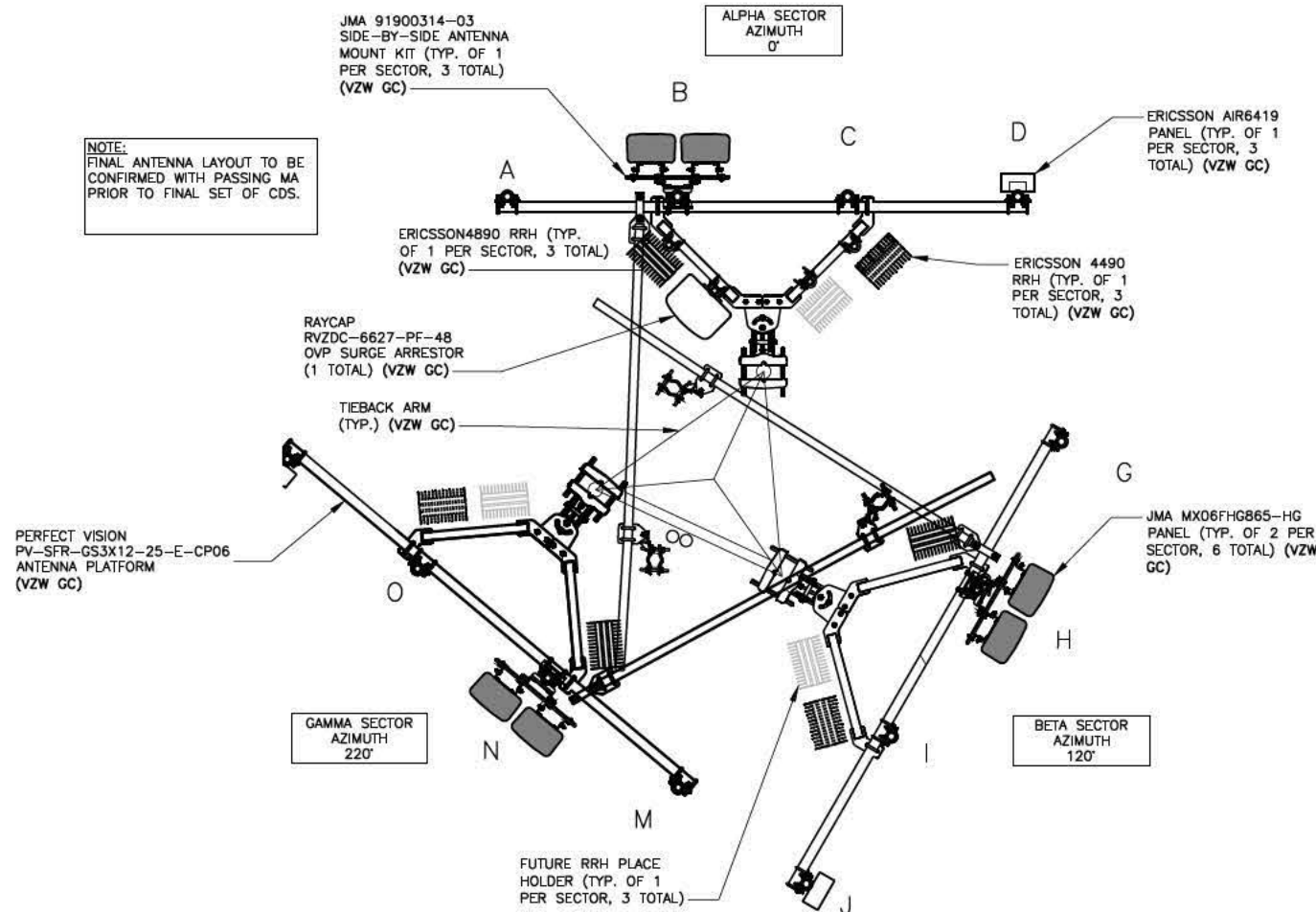
HYBRID CABLE SUPPORT DETAIL

GENERAL NOTES:

1. VERIFY EACH HYBRID CABLE LENGTH, DIAMETER, ROUTING, AND ALL MOUNTING APPURTENANCES WITH OWNER PRIOR TO ORDER.
2. THE MAXIMUM HYBRID CABLE LENGTH HAS BEEN ESTIMATED AT _____ FEET, APPROXIMATELY. ACTUAL ANTENNA CABLE LENGTH MAY VARY FROM ESTIMATED MAXIMUM LENGTH AND MUST BE VERIFIED.
3. TAG ALL MAIN CABLES AT TWO (2) LOCATIONS. 1) AT ANTENNAS 2) OUTSIDE EQUIPMENT CABINET NEAR THE WAVEGUIDE ENTRY PORT.
4. EACH CABLE SHALL BE GROUNDED AT (3) THREE LOCATIONS. ANTENNA LEVEL ON TOWER, TOWER BASE, AND EQUIPMENT H-FRAME.
5. HYBRID CABLES TO BE SUPPORTED EVERY 36" OFF MOUNTING FRAMES WITH LOW PIM HANGERS IN ACCORDANCE WITH ME-RFS-ST-21-001.
6. JUMPER CABLES TO BE SUPPORTED EVERY 18" WITH LOW PIM HANGERS IN ACCORDANCE WITH ME-RFS-ST-21-001.

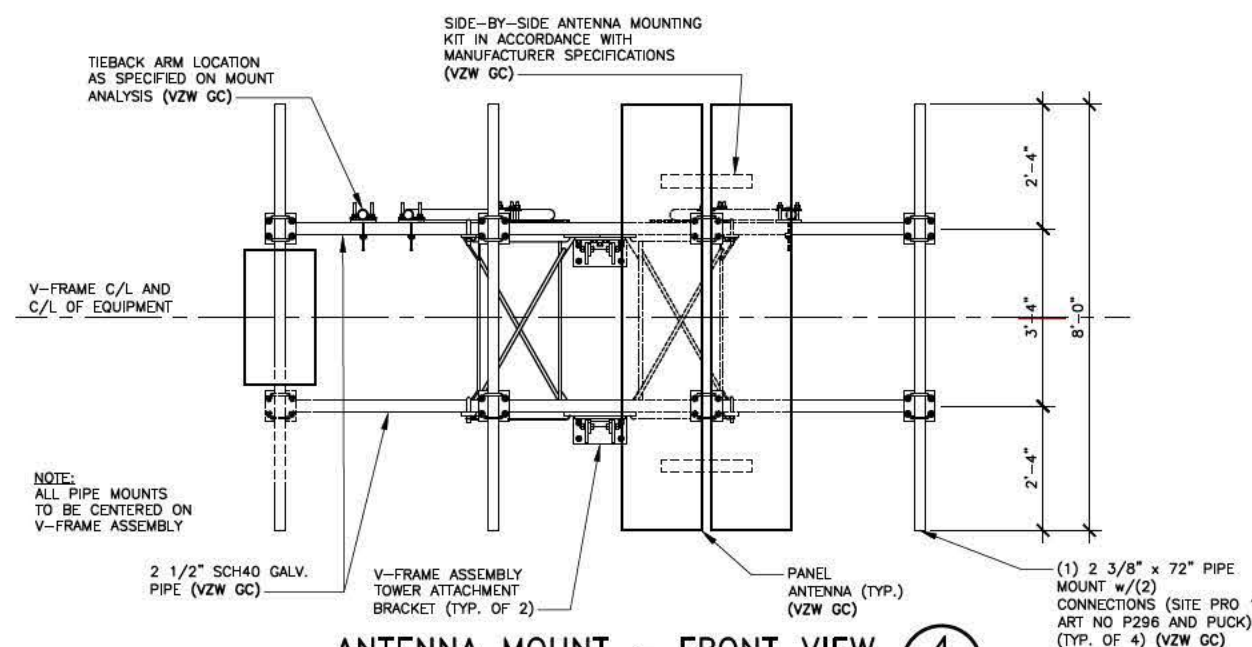


ANTENNA MOUNT - REAR VIEW (FLATTENED) 3
SCALE: N.T.S.
(BY VZW GC) RF-1



NOTE:
FINAL ANTENNA LEVEL PLAN AND PASSING MOUNT ANALYSIS MUST MATCH. NOTIFY VZW CONSTRUCTION MANAGER IF DISCREPANCY EXISTS.

ANTENNA LAYOUT - PLAN VIEW 2
SCALE: N.T.S.
(BY VZW GC) RF-1



ANTENNA MOUNT - FRONT VIEW 4
SCALE: N.T.S.
(BY VZW GC) RF-1

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ANTENNA PLAN AND
DETAILS (REFERENCE ONLY)

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RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

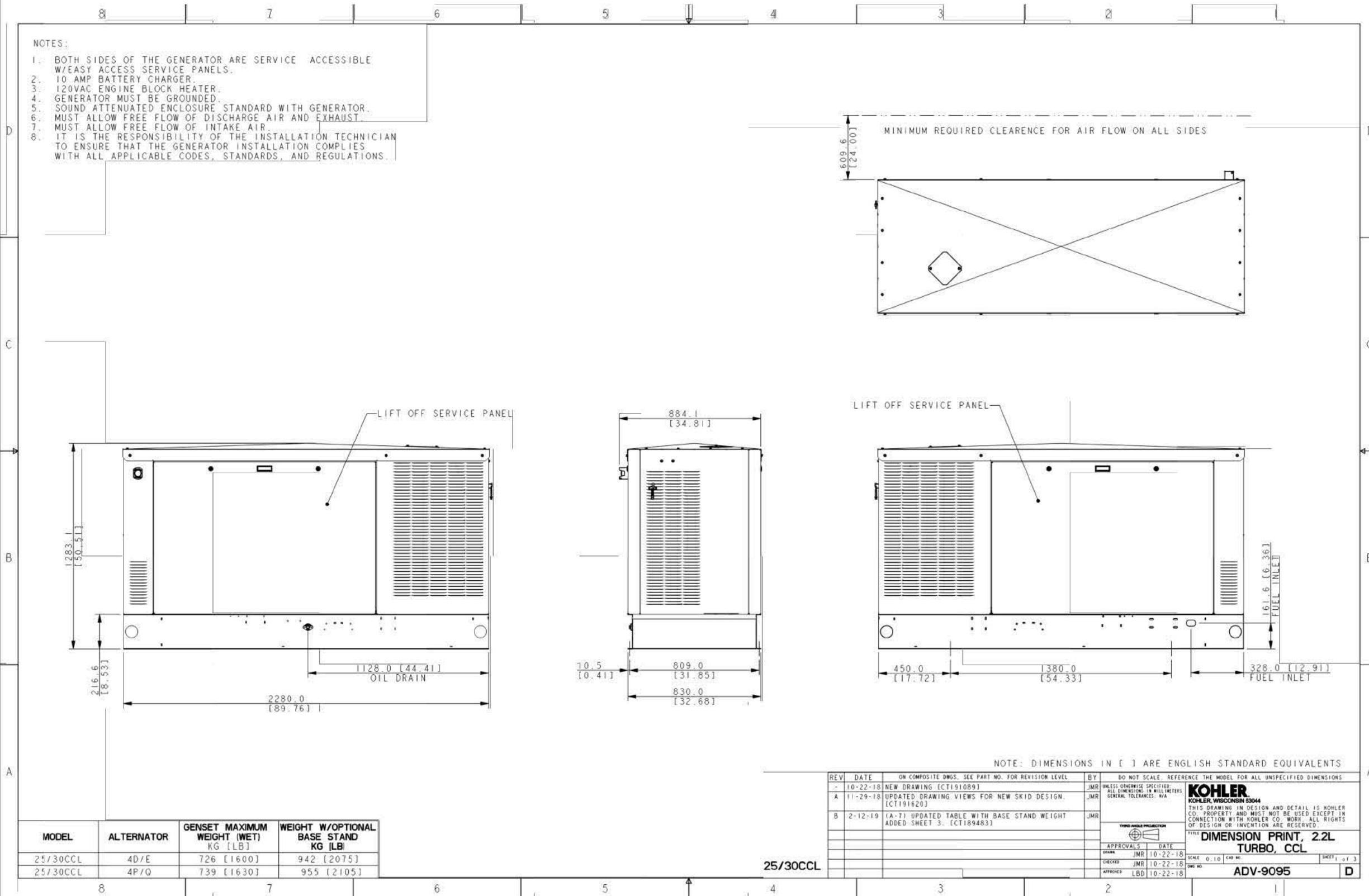
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RF-1

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NOTES:

1. BOTH SIDES OF THE GENERATOR ARE SERVICE ACCESSIBLE W/EASY ACCESS SERVICE PANELS.
2. 10 AMP BATTERY CHARGER.
3. 120VAC ENGINE BLOCK HEATER.
4. GENERATOR MUST BE GROUNDED.
5. SOUND ATTENUATED ENCLOSURE STANDARD WITH GENERATOR.
6. MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST.
7. MUST ALLOW FREE FLOW OF INTAKE AIR.
8. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.



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LV BRINDLE RIDGE
4744 COPPER CREEK RD
BEREA, KY 40403
GENERATOR SPECS
(REFERENCE ONLY)

ISSUED FOR:	REVIEW
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PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER
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REF-1

WPC PWD & CANOPY REV 4.3 FINAL 09/30/24

EXHIBIT C

CONSTRUCTION MANAGER LETTER LIST OF QUALIFIED PROFESSIONALS TOWER AND FOUNDATION DESIGN



April 22, 2025

Kentucky Public Service Commission
P.O. Box 615, 211 Sower Boulevard
Frankfort, Kentucky 40602-0615

RE: Site Name – Brindle Ridge (US-KY-5210)
Proposed Cell Tower
37° 28' 29.42" North Latitude, 84° 22' 38.46" West Longitude

Dear Commissioners:

The Construction Manager for the proposed new communications facility will be Adam Johnson. His contact information is (843) 817-8279 or adam.johnson@verticalbridge.com

Adam has been in the industry completing civil construction and constructing towers since 2017. He has worked at Vertical Bridge since 2017 completing project and construction management on new site build projects.

Thank you,

Adam Johnson

Adam Johnson, Construction Manager – KY/TN/NC/SC/VA Market
The Towers, LLC
(843) 817-8279

Brindle Ridge – List of Qualified Professionals

F.V. Neeley
Professional Land Surveyor
Kentucky License 3093
Sharondale Surveying Inc.
P.O. Box 146
Arrington, TN 37014

Jeffrey Lashbrook
Professional Engineer
Kentucky License 35042
Lashbrook Engineering
Crestwood, KY 40014

Adam Johnson
The Towers, LLC
750 Park of Commerce Drive, Suite 200
Boca Raton, FL 33487

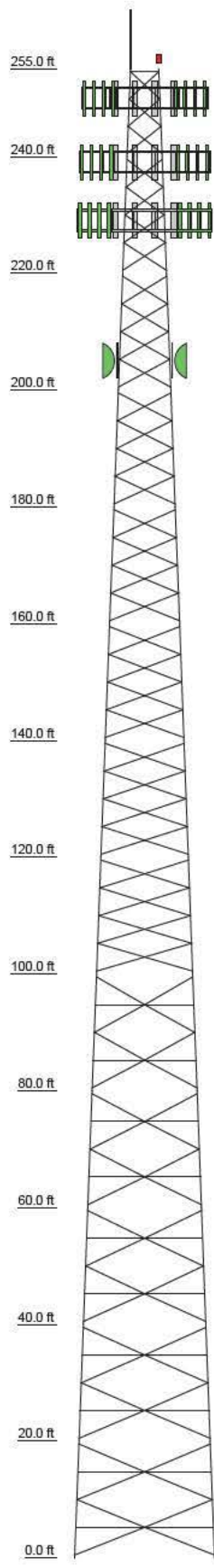
Brad Milanowski
Kentucky Licensed Professional Engineer
Kentucky License 25311
B + T Group Inc
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119

Joseph V. Borrelli, Jr., P.E.
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Robert Dixon, E.I.
Delta Oaks Group
4904 Professional Court, 2nd Floor
Raleigh, NC 27609

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

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	
Legs	SR 1 3/4	SR 2 1/4	SR 2 1/2	SR 2 3/4	SR 3	SR 3 1/4	SR 3 1/2	SR 3 3/4	SR 4					
Leg Grade	A	L2x3x1/6	L2 1/2x2 1/2x3/16			L3x3x3/16			2L2 1/2x2 1/2x3/16x3/8					
Diagonals														
Diagonal Grade														
Top Girts	A													
Horizontals														
Inner Bracing														
Face Width (ft)	24													
# Panels @ (ft)	3 @ 4.66667													
Weight (K)	0.7	1.3	1.7	2.0	2.3	2.9	3.3	3.9	4.3	4.8	4.9	5.9	6.1	44.2



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
10' Lightning Rod	255	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	239
Top Beacon	255	Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	229
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	250	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	229
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	250	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	229
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	250	4 1/2" OD Dish Mount (1) (Carrier 4)	205
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	239	4 1/2" OD Dish Mount (1) (Carrier 4)	205
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	239	6' MW Dish (Carrier 4)	205
		6' MW Dish (Carrier 4)	205

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x3/16	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 Garrard County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 81 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class 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.
9. Tower is also designed for an ultimate wind speed of 105 mph per ASCE 7-16.

ALL REACTIONS
ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 500 K
SHEAR: 37 K

UPLIFT: -425 K
SHEAR: 33 K

AXIAL
208 K
SHEAR
9 K
MOMENT
1462 kip-ft
TORQUE 1 kip-ft
30 mph WIND - 0.750 in ICE

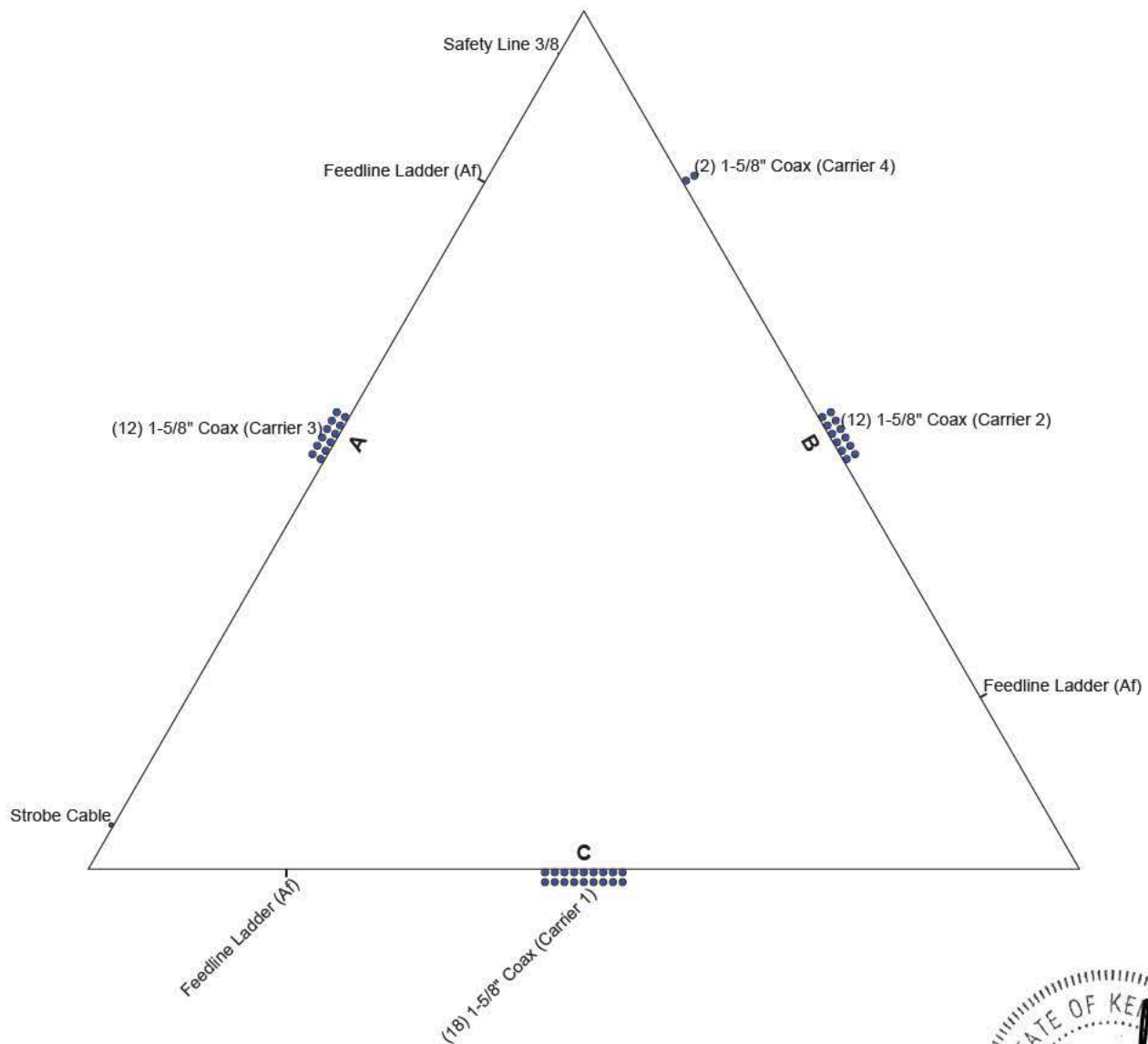
AXIAL
78 K
SHEAR
62 K
MOMENT
9859 kip-ft
TORQUE 10 kip-ft
REACTIONS - 81 mph WIND



B+T Group
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

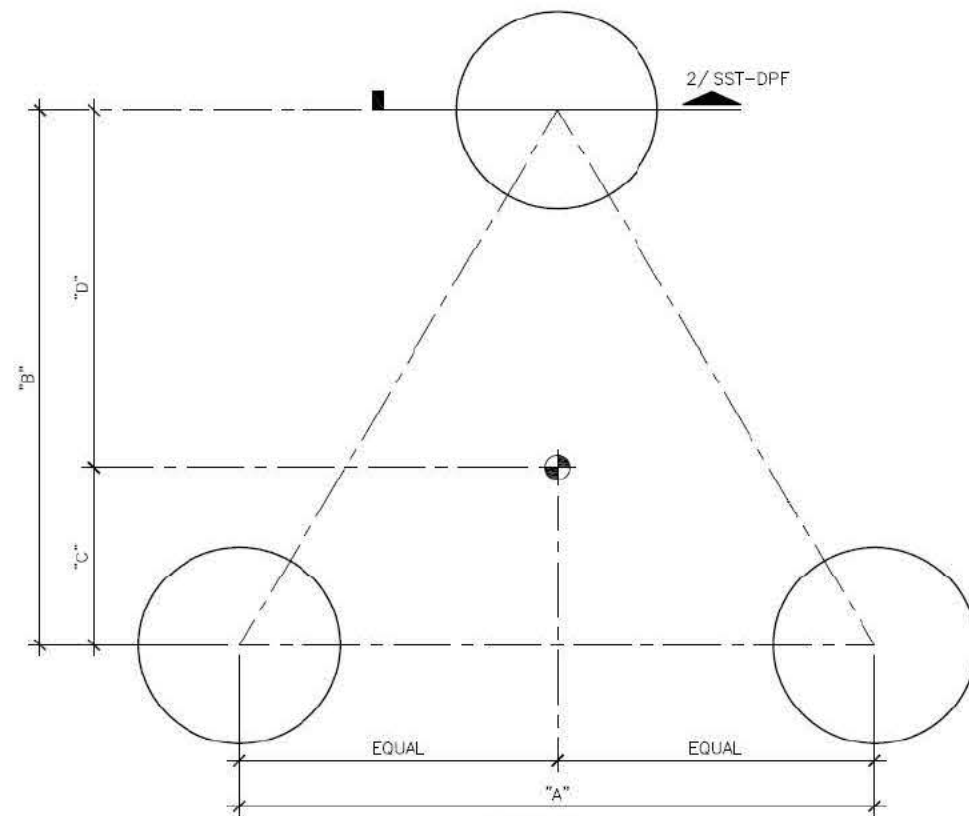
Job: ATS #B655 - Brindle Ridge (Site# US-KY-5210)		
Project: 255' SST/37.474838, -84.377351		
Client: Vertical Bridge	Drawn by: jlandon	App'd:
Code: TIA-222-G	Date: 05/05/25	Scale: NTS
Path:		Dwg No. E-1

Feed Line Plan

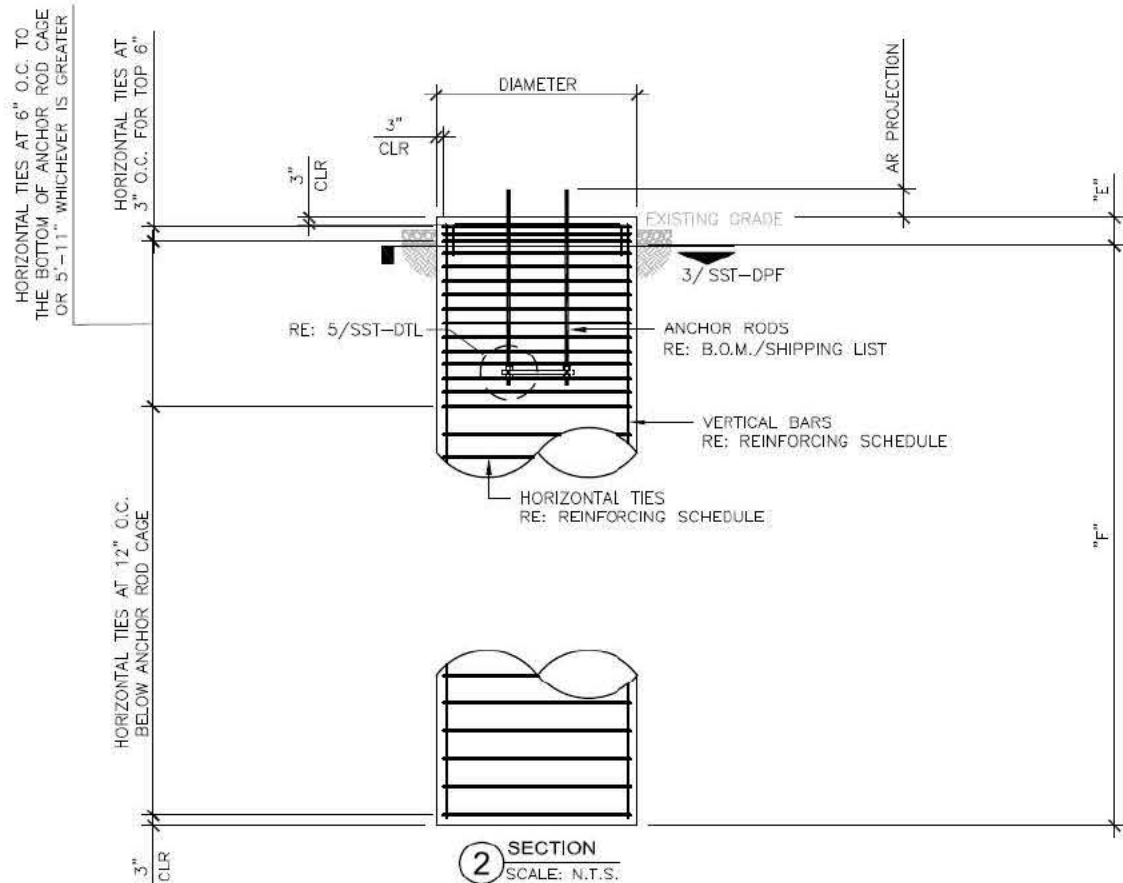


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Job: **ATS #B655 - Brindle Ridge (Site# US-KY-5210)**
Project: **255' SST/37.474838, -84.377351**
Client: Vertical Bridge
Code: TIA-222-G
Path: S:\Projects\Down Tower\Brindle Ridge\Site 255' SST\vertical\Coax\222-G\255' SST - Brindle Ridge.dwg
Drawn by: jlandon
Date: 05/05/25
App'd:
Scale: NTS
Dwg No. E-7



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.

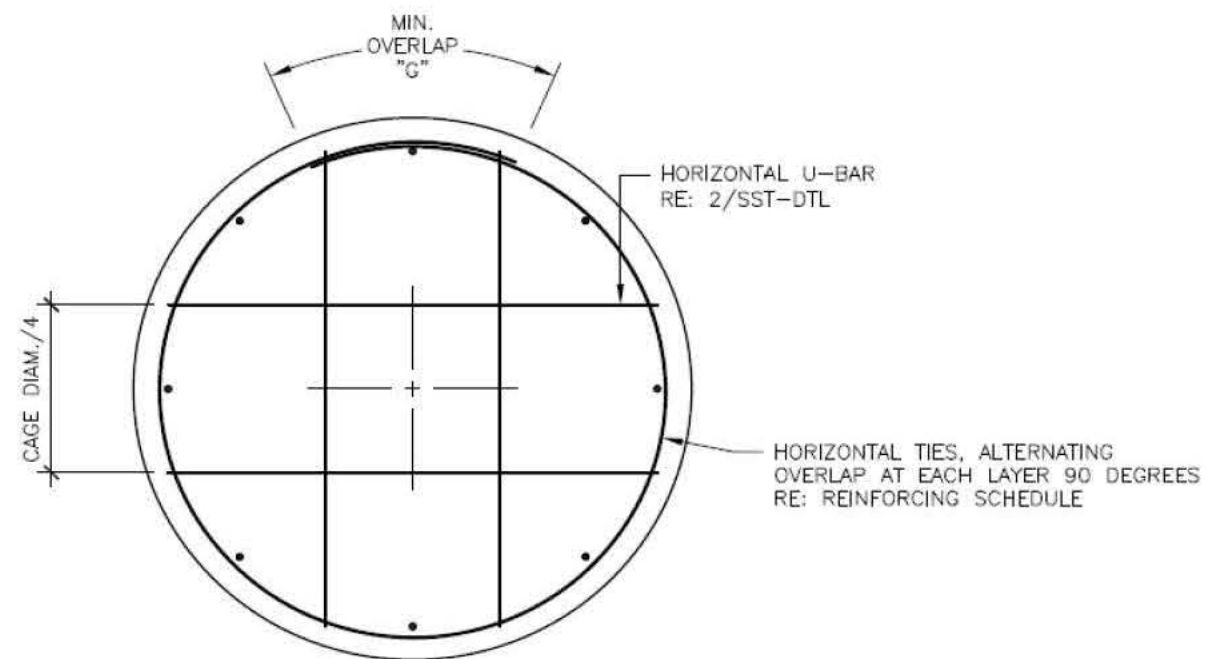
- NOTES:**
- REINFORCEMENT STEEL SHALL CONFIRM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
 - REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 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: DELTA OAKS GROUP
PROJECT NUMBER: GEO25-24439-08
DATE: FEBRUARY 19, 2025
 - THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-G 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: 73.83
 - 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 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.
 - SLUMP 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	23' 0"
MIN. OVERLAP "G"	2' 3"
DIAMETER	6' 0"
AR PROJECTION	10 IN.

REINFORCING SCHEDULE		SIZE	TOTAL QTY
VERTICAL BARS		# 8	78
HORIZONTAL TIES		# 4	93
U-BAR HORIZONTAL		# 4	12

BASE REACTIONS: (FACTORED LOADS)		
GLOBAL REACTIONS		
MOMENT	9859	KIP-FT
AXIAL	78	KIPS
SHEAR	62	KIPS
REACTIONS PER LEG		
COMPRESSION AXIAL	500	KIPS
COMPRESSION SHEAR	37	KIPS
UPLIFT AXIAL	425	KIPS
UPLIFT SHEAR	33	KIPS



3 SECTION
SCALE: N.T.S.

ISSUED FOR:		
REV	DATE	DESCRIPTION
0	05/05/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2026



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

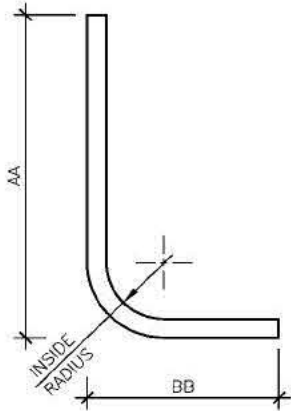
PROJECT INFORMATION:
PROJECT NO: 25-002171
SITE NAME: B655
SITE NO: Brindle Ridge
CLIENT NAME: ARCOSA TELECOM STRUCTURES
DRAWN BY: JOHN LANDON
CHECKED BY:

SHEET TITLE:
DRILLED PIER FOUNDATION

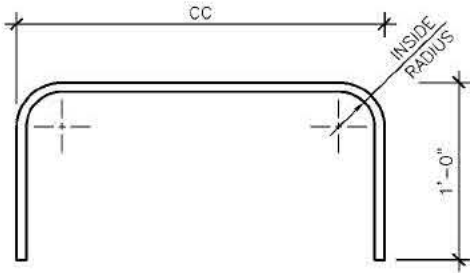
SHEET NUMBER: SST-DPF
REVISION: 0

DIMENSIONING SCHEDULE	
AA*	5' 9-3/4"
BB	1' 6"
CC*	VARIES
DD*	1' 9"
EE	3' 0"

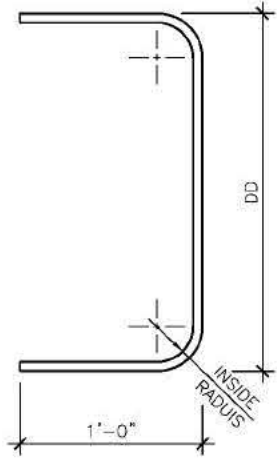
*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION



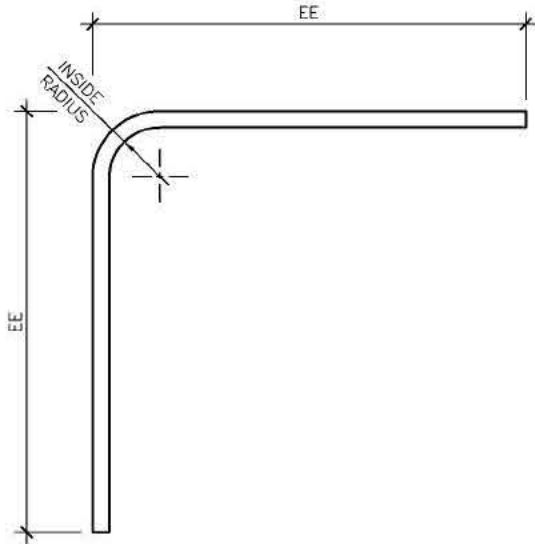
1 L-BAR
SCALE: N.T.S.



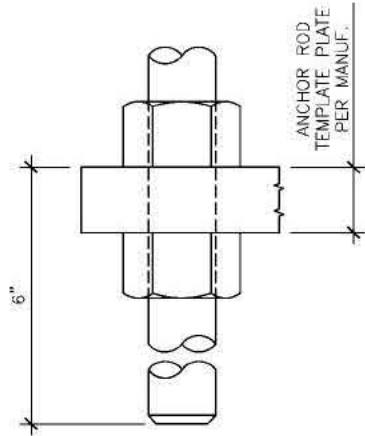
2 HORIZONTAL U-BAR
SCALE: N.T.S.



3 VERTICAL U-BAR
SCALE: N.T.S.



4 CORNER BAR
SCALE: N.T.S.



5 ANCHOR ROD DETAIL
SCALE: N.T.S.



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630

ARCOSA

TELECOM STRUCTURES

4020 TULL AVE. MUSKOGEE, OK 74403

ISSUED FOR:

REV	DATE	DESCRIPTION
0	05/05/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2026



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS
THEY ARE ACTING UNDER THE DIRECTIONS OF A
LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 25-002171
SITE NAME: B655
SITE NO: Brindle Ridge
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: JOHN LONDON
CHECKED BY:

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

SST-DTL

REVISION:

0

Drilled Pier Foundation

Project #	25-002171
Site Name	B655
Site Number	Brindle Ridge
TIA-222 Revision	G
Tower Type	Self Support

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)		
Axial Force (kips)	500	425
Shear Force (kips)	37	33

Material Properties		
Concrete Strength, f _c :	4	ksi
Rebar Strength, F _y :	60	ksi
Tie Yield Strength, F _{yt} :	40	ksi

Pier Design Data		
Depth	23	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 23' below grade		
Pier Diameter	6	ft
Rebar Quantity	26	
Rebar Size	8	
Clear Cover to Ties	3	in
Tie Size	4	
Tie Spacing	12	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D _{v=0} (ft from TOC)	10.87	10.87
Soil Safety Factor	17.87	20.03
Max Moment (kip-ft)	273.57	244.00
Rating	7.4%	6.6%
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	358.42	358.42
End Bearing (kips)	1003.69	-
Weight of Concrete (kips)	119.60	89.70
Total Capacity (kips)	1362.11	448.12
Axial (kips)	619.60	425.00
Rating	45.5%	94.8%
Reinforced Concrete Flexure		
	Compression	Uplift
Critical Depth (ft from TOC)	10.94	9.92
Critical Moment (kip-ft)	273.56	242.06
Critical Moment Capacity	3816.44	2202.86
Rating	7.2%	11.0%
Reinforced Concrete Shear		
	Compression	Uplift
Critical Depth (ft from TOC)	19.88	19.88
Critical Shear (kip)	48.62	43.36
Critical Shear Capacity	700.34	369.08
Rating	6.9%	11.7%

Structural Foundation Rating	11.7%
Soil Interaction Rating	94.8%

Check Limitation	
N/A	<input type="checkbox"/>
Load Z Normalization:	<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"/>

[Go to Soil Calculations](#)

Soil Profile														
Groundwater Depth		N/A		# of Layers		7								
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	Y _{soil} (pcf)	Y _{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. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2.5	2.5	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	2.5	3	0.5	110	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
3	3	6	3	120	150	1.5		0.825	0.825	0.82	0.82			Cohesive
4	6	8	2	120	150	2.5		1.375	1.375	1.37	1.37			Cohesive
5	8	13	5	120	150	1.8		0.990	0.990	0.99	0.99			Cohesive
6	13	18.3	5.3	120	150	1.5		0.825	0.825	0.82	0.82			Cohesive
7	18.3	23	4.7	150	150	5		2.32	2.32	2.31	2.31	44.46		Cohesive

SST Unit Base Foundation

Project #: 25-002171
 Site Name: B655
 Site #: Brindle Ridge

TIA-222 Revision: G

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 :	9859	ft-kips
Global Axial, P :	78	kips
Global Shear, V :	62	kips
Leg Compression, P_{comp} :	500	kips
Leg Comp. Shear, V_{u,comp} :	37	kips
Leg Uplift, P_{uplift} :	425	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>	285.30	62.00	21.7%	Pass
<i>Bearing Pressure (ksf)</i>	8.38	4.87	58.2%	Pass
<i>Overturning (kip*ft)</i>	11269.67	10522.30	93.4%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	973.21	157.25	16.2%	Pass
<i>Pier Flexure (Tension) (kip*ft)</i>	203.09	140.25	69.1%	Pass
<i>Pier Compression (kip)</i>	4499.01	505.41	11.2%	Pass
<i>Pad Flexure (kip*ft)</i>	3200.13	1428.90	44.7%	Pass
<i>Pad Shear - 1-way (kips)</i>	812.67	402.93	49.6%	Pass
<i>Pad Shear - Comp 2-way (ksi)</i>	0.190	0.126	66.6%	Pass

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, dpier :	3.0	ft
Ext. Above Grade, E :	0.50	ft
Pier Rebar Size, Sc :	9	
Pier Rebar Quantity, mc :	10	
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:	69.1%
Soil Rating:	93.4%

Pad Properties		
Depth, D :	6.00	ft
Pad Width, W₁ :	32.00	ft
Pad Thickness, T :	2.25	ft
Pad Rebar Size (Bottom dir. 2), Sp₂ :	9	
Pad Rebar Quantity (Bottom dir. 2), mp₂ :	33	
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 :	11.170	ksf
Cohesion, Cu :	0.400	ksf
Friction Angle, φ :		degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.35	
Neglected Depth, N :	1.7	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 #B655 - Brindle Ridge (Site# US-KY-5210)	Page	1 of 34
	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

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-G standard.

The following design criteria apply:

Tower is located in Garrard County, Kentucky.

Basic wind speed of 81 mph.

Structure Class II.

Exposure Category C.

Topographic Category 1.

Crest Height 0.000 ft.

Nominal ice thickness of 0.750 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..

Tower is also designed for an ultimate wind speed of 105 mph per ASCE 7-16..

Non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

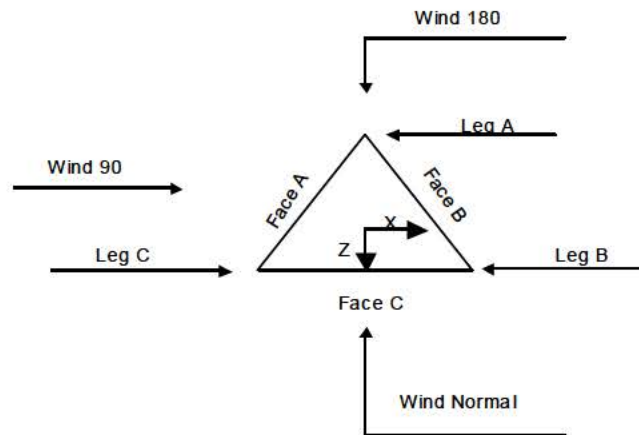
Stress ratio used in tower member design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs	✓ Assume Legs Pinned	✓ Calculate Redundant Bracing Forces
Consider Moments - Horizontals	✓ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Consider Moments - Diagonals	✓ Use Clear Spans For Wind Area	✓ SR Leg Bolts Resist Compression
Use Moment Magnification	✓ Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
✓ Use Code Stress Ratios	Retension Guys To Initial Tension	Offset Girt At Foundation
✓ Use Code Safety Factors - Guys	✓ Bypass Mast Stability Checks	✓ Consider Feed Line Torque
Escalate Ice	✓ Use Azimuth Dish Coefficients	✓ Include Angle Block Shear Check
Always Use Max Kz	✓ Project Wind Area of Appurtenances	Use TIA-222-G Bracing Resist. Exemption
Kz In Exposure D Hurricane Region	Alternative Appurt. EPA Calculation	Use TIA-222-G Tension Splice Exemption
✓ Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Poles
✓ Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Include Shear-Torsion Interaction
✓ Secondary Horizontal Braces Leg	✓ Sort Capacity Reports By Component	Always Use Sub-Critical Flow
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Use Top Mounted Sockets
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Pole Without Linear Attachments
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole With Shroud Or No Appurtenances
Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules	Outside And Inside Corner Radii Are Known
Use Special Wind Profile		

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page	2 of 34
	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
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
	ft	ft				in	in
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

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	Client	Vertical Bridge	Designed by	jlandon

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	Double K	No	Yes	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						
T1	Solid Round	1 3/4	A529-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
255.000-240.000						
T2	Solid Round	2 1/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A36M-50 (50 ksi)
240.000-220.000						
T3	Solid Round	2 1/2	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
220.000-200.000						
T4	Solid Round	2 3/4	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
200.000-180.000						
T5	Solid Round	3	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
180.000-160.000						
T6	Solid Round	3 1/4	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A36M-50 (50 ksi)
160.000-140.000						
T7	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A36M-50 (50 ksi)
140.000-120.000						
T8	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A36M-50 (50 ksi)
120.000-100.000						
T9	Solid Round	3 3/4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
100.000-80.000						
T10	Solid Round	4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
80.000-60.000						
T11	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						
T12	Solid Round	4 1/4	A529-50 (50 ksi)	Double Equal Angle	2L3x3x3/16x3/8	A36M-50 (50 ksi)
40.000-20.000						
T13	Solid Round	4 1/4	A529-50 (50 ksi)	Double Equal Angle	2L3x3x3/16x3/8	A36M-50 (50 ksi)
20.000-0.000						

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						
T1	Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)	Solid Round		A36M-50 (50 ksi)
255.000-240.000						

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Tower Section Geometry (cont'd)

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T9 100.000-80.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L1 3/4x1 3/4x3/16x3/8	A36M-50 (50 ksi)
T10 80.000-60.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2x2x3/16x3/8	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	2L2 1/2x2 1/2x3/16x3/8	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 ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T9 100.000-80.000	Solid Round		A36M-50 (50 ksi)	Single Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
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 ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants 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 220.000-200.0	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000

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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 in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
00									
T4	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
200.000-180.000									
T5	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
180.000-160.000									
T6	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
160.000-140.000									
T7	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
140.000-120.000									
T8	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
120.000-100.000									
T9	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
100.000-80.000									
T10	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
80.000-60.000									
T11	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
60.000-40.000									
T12	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
40.000-20.000									
T13	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
20.000-0.000									

Tower Section Geometry (cont'd)

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors ¹							
			Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
				X Y	X Y	X Y	X Y	X Y	X Y	X Y
ft										
T1	No	No	1	1	1	1	1	1	1	1
255.000-240.000				1	1	1	1	1	1	1
T2	No	No	1	1	1	1	1	1	1	1
240.000-220.000				1	1	1	1	1	1	1
T3	No	No	1	1	1	1	1	1	1	1
220.000-200.000				1	1	1	1	1	1	1
T4	No	No	1	1	1	1	1	1	1	1
200.000-180.000				1	1	1	1	1	1	1
T5	No	No	1	1	1	1	1	1	1	1
180.000-160.000				1	1	1	1	1	1	1
T6	No	No	1	1	1	1	1	1	1	1
160.000-140.000				1	1	1	1	1	1	1
T7	No	No	1	1	1	1	1	1	1	1

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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
T9 100.000-80.000	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
T10 80.000-60.000	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
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)

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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	Net Width Deduct in	U	Net Width Deduct in	U
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	0.000	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)
T6 160.000-140.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	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)
T7 140.000-120.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	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)
T8 120.000-100.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	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)
T9 100.000-80.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	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)
T10 80.000-60.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	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)
T11 60.000-40.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	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)

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	Client	Designed by
	Vertical Bridge	jlandon

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 (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)
	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	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
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

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page 10 of 34
	Project	255' SST/37.474838, -84.377351	Date 16:56:00 05/05/25
	Client	Vertical Bridge	Designed by jlandon

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.
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
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	1.000 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
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	0.625 A325X	1	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
1-5/8" Coax (Carrier 1) **	C	No	No	Ar (CaAa)	250.000 - 10.000	0.000	0	18	9	0.750	1.980		0.001
1-5/8" Coax (Carrier 2) **	B	No	No	Ar (CaAa)	239.000 - 10.000	0.000	0	12	6	0.750	1.980		0.001
1-5/8" Coax (Carrier 3) **	A	No	No	Ar (CaAa)	229.000 - 10.000	0.000	0	12	6	0.750	1.980		0.001
1-5/8" Coax (Carrier 4) **	B	No	No	Ar (CaAa)	205.000 - 10.000	0.000	-0.3	2	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)	239.000 - 10.000	0.000	0.3	1	1	3.000	0.250		0.008
Feedline Ladder (Af) **	A	No	No	Af (CaAa)	229.000 - 10.000	0.000	0.3	1	1	3.000	0.250		0.008

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page	11 of 34
	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

Feed Line/Linear Appurtenances - Entered As Area

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	36.057	0.000	0.232
T2	240.000-220.000	A	0.000	0.000	25.009	0.000	0.183
		B	0.000	0.000	45.936	0.000	0.347
		C	0.000	0.000	72.113	0.000	0.463
T3	220.000-200.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	50.333	0.000	0.373
		C	0.000	0.000	72.113	0.000	0.463
T4	200.000-180.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T5	180.000-160.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T6	160.000-140.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T7	140.000-120.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T8	120.000-100.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T9	100.000-80.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T10	80.000-60.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T11	60.000-40.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T12	40.000-20.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	56.273	0.000	0.398
		C	0.000	0.000	72.113	0.000	0.463
T13	20.000-0.000	A	0.000	0.000	25.802	0.000	0.192
		B	0.000	0.000	28.137	0.000	0.199
		C	0.000	0.000	36.057	0.000	0.232

Feed Line/Linear Appurtenances Section Areas - With Ice

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page 12 of 34
	Project	255' SST/37.474838, -84.377351	Date 16:56:00 05/05/25
	Client	Vertical Bridge	Designed by jlandon

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	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	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	40.009	0.000	0.967
T2	240.000-220.000	A	1.821	0.000	0.000	45.106	0.000	0.900
		B		0.000	0.000	57.600	0.000	1.366
		C		0.000	0.000	79.882	0.000	1.925
T3	220.000-200.000	A	1.805	0.000	0.000	78.147	0.000	1.679
		B		0.000	0.000	66.722	0.000	1.521
		C		0.000	0.000	79.713	0.000	1.914
T4	200.000-180.000	A	1.787	0.000	0.000	77.813	0.000	1.665
		B		0.000	0.000	85.201	0.000	1.782
		C		0.000	0.000	79.529	0.000	1.902
T5	180.000-160.000	A	1.767	0.000	0.000	77.446	0.000	1.651
		B		0.000	0.000	84.855	0.000	1.766
		C		0.000	0.000	79.327	0.000	1.889
T6	160.000-140.000	A	1.745	0.000	0.000	77.038	0.000	1.634
		B		0.000	0.000	84.470	0.000	1.748
		C		0.000	0.000	79.102	0.000	1.875
T7	140.000-120.000	A	1.720	0.000	0.000	76.577	0.000	1.616
		B		0.000	0.000	84.036	0.000	1.729
		C		0.000	0.000	78.848	0.000	1.859
T8	120.000-100.000	A	1.692	0.000	0.000	76.048	0.000	1.595
		B		0.000	0.000	83.538	0.000	1.706
		C		0.000	0.000	78.557	0.000	1.840
T9	100.000-80.000	A	1.658	0.000	0.000	75.425	0.000	1.571
		B		0.000	0.000	82.950	0.000	1.680
		C		0.000	0.000	78.214	0.000	1.818
T10	80.000-60.000	A	1.617	0.000	0.000	74.661	0.000	1.542
		B		0.000	0.000	82.231	0.000	1.648
		C		0.000	0.000	77.793	0.000	1.792
T11	60.000-40.000	A	1.564	0.000	0.000	73.669	0.000	1.504
		B		0.000	0.000	81.296	0.000	1.608
		C		0.000	0.000	77.247	0.000	1.758
T12	40.000-20.000	A	1.486	0.000	0.000	72.226	0.000	1.450
		B		0.000	0.000	79.937	0.000	1.549
		C		0.000	0.000	76.454	0.000	1.709
T13	20.000-0.000	A	1.331	0.000	0.000	34.681	0.000	0.673
		B		0.000	0.000	38.622	0.000	0.719
		C		0.000	0.000	37.441	0.000	0.807

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	-0.871	3.077	-2.391	1.983
T2	240.000-220.000	0.666	-2.072	-0.284	-1.024
T3	220.000-200.000	-0.452	-4.102	-1.307	-3.386
T4	200.000-180.000	-0.121	-5.644	-0.855	-5.323
T5	180.000-160.000	-0.142	-6.074	-0.942	-5.780
T6	160.000-140.000	-0.149	-6.017	-0.981	-5.989
T7	140.000-120.000	-0.163	-6.306	-1.040	-6.327
T8	120.000-100.000	-0.177	-6.602	-1.093	-6.648
T9	100.000-80.000	-0.233	-8.430	-1.305	-7.936
T10	80.000-60.000	-0.245	-8.655	-1.343	-8.237
T11	60.000-40.000	-0.260	-9.028	-1.380	-8.589

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	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
T12	40.000-20.000	-0.251	-8.556	-1.327	-8.508
T13	20.000-0.000	-0.156	-5.194	-0.771	-5.223

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	1	1-5/8" 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	1-5/8" Coax	220.00 - 240.00	0.6000	0.6000
T2	3	1-5/8" Coax	220.00 - 239.00	0.6000	0.6000
T2	5	1-5/8" Coax	220.00 - 229.00	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 - 239.00	0.6000	0.6000
T2	14	Feedline Ladder (Af)	220.00 - 229.00	0.6000	0.6000
T3	1	1-5/8" Coax	200.00 - 220.00	0.6000	0.6000
T3	3	1-5/8" Coax	200.00 - 220.00	0.6000	0.6000
T3	5	1-5/8" Coax	200.00 - 220.00	0.6000	0.6000
T3	7	1-5/8" Coax	200.00 - 205.00	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	1-5/8" Coax	180.00 - 200.00	0.6000	0.6000
T4	3	1-5/8" Coax	180.00 - 200.00	0.6000	0.6000
T4	5	1-5/8" Coax	180.00 - 200.00	0.6000	0.6000

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	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T4	7	1-5/8" Coax	180.00 - 200.00	0.6000	0.6000
T4	9	Safety Line 3/8	180.00 - 200.00	0.6000	0.6000
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	1-5/8" Coax	160.00 - 180.00	0.6000	0.6000
T5	3	1-5/8" Coax	160.00 - 180.00	0.6000	0.6000
T5	5	1-5/8" Coax	160.00 - 180.00	0.6000	0.6000
T5	7	1-5/8" 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	1-5/8" Coax	140.00 - 160.00	0.6000	0.6000
T6	3	1-5/8" Coax	140.00 - 160.00	0.6000	0.6000
T6	5	1-5/8" Coax	140.00 - 160.00	0.6000	0.6000
T6	7	1-5/8" 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	1-5/8" Coax	120.00 - 140.00	0.6000	0.6000
T7	3	1-5/8" Coax	120.00 - 140.00	0.6000	0.6000
T7	5	1-5/8" Coax	120.00 - 140.00	0.6000	0.6000
T7	7	1-5/8" 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

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	Project	255' SST/37.474838, -84.377351	Date 16:56:00 05/05/25
	Client	Vertical Bridge	Designed by jlandon

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
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
T8	1	1-5/8" Coax	100.00 - 120.00	0.6000	0.6000
T8	3	1-5/8" Coax	100.00 - 120.00	0.6000	0.6000
T8	5	1-5/8" Coax	100.00 - 120.00	0.6000	0.6000
T8	7	1-5/8" 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	1-5/8" Coax	80.00 - 100.00	0.6000	0.6000
T9	3	1-5/8" Coax	80.00 - 100.00	0.6000	0.6000
T9	5	1-5/8" Coax	80.00 - 100.00	0.6000	0.6000
T9	7	1-5/8" 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	1-5/8" Coax	60.00 - 80.00	0.6000	0.6000
T10	3	1-5/8" Coax	60.00 - 80.00	0.6000	0.6000
T10	5	1-5/8" Coax	60.00 - 80.00	0.6000	0.6000
T10	7	1-5/8" 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	1-5/8" Coax	40.00 - 60.00	0.6000	0.6000
T11	3	1-5/8" Coax	40.00 - 60.00	0.6000	0.6000
T11	5	1-5/8" Coax	40.00 - 60.00	0.6000	0.6000
T11	7	1-5/8" 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	1-5/8" Coax	20.00 - 40.00	0.6000	0.6000
T12	3	1-5/8" Coax	20.00 - 40.00	0.6000	0.6000
T12	5	1-5/8" Coax	20.00 - 40.00	0.6000	0.6000
T12	7	1-5/8" 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	1-5/8" Coax	10.00 - 20.00	0.6000	0.6000
T13	3	1-5/8" Coax	10.00 - 20.00	0.6000	0.6000
T13	5	1-5/8" Coax	10.00 - 20.00	0.6000	0.6000
T13	7	1-5/8" Coax	10.00 - 20.00	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 #B655 - Brindle Ridge (Site# US-KY-5210)	Page	16 of 34
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	Client	Vertical Bridge	Designed by	jlandon

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
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
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: Horiz 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
10' Lightning Rod	C	From Leg	0.000 0.000 5.000	0.000	255.000	No Ice 1/2" Ice 1" Ice	1.000 2.017 3.050	1.000 2.017 3.050	0.040 0.049 0.065
Top Beacon	B	From Leg	0.000 0.000 1.000	0.000	255.000	No Ice 1/2" Ice 1" Ice	2.700 3.100 3.500	2.700 3.100 3.500	0.050 0.070 0.090
**									
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	A	From Leg	4.000 0.000 0.000	0.000	250.000	No Ice 1/2" Ice 1" Ice	97.222 121.527 145.832	65.138 81.423 97.708	0.700 1.400 2.100
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	B	From Leg	4.000 0.000 0.000	0.000	250.000	No Ice 1/2" Ice 1" Ice	97.222 121.527 145.832	65.138 81.423 97.708	0.700 1.400 2.100
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	C	From Leg	4.000 0.000 0.000	0.000	250.000	No Ice 1/2" Ice 1" Ice	97.222 121.527 145.832	65.138 81.423 97.708	0.700 1.400 2.100
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	A	From Leg	4.000 0.000 0.000	0.000	239.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	B	From Leg	4.000 0.000 0.000	0.000	239.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	C	From Leg	4.000 0.000 0.000	0.000	239.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	A	From Leg	4.000 0.000 0.000	0.000	229.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	B	From Leg	4.000 0.000 0.000	0.000	229.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	C	From Leg	4.000 0.000 0.000	0.000	229.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100
**									
4 1/2" OD Dish Mount (1) (Carrier 4)	C	From Leg	0.500 0.000 0.000	0.000	205.000	No Ice 1/2" Ice 1" Ice	1.881 2.207 2.543	1.881 2.207 2.543	0.057 0.074 0.094

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page	17 of 34
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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
4 1/2" OD Dish Mount (1) (Carrier 4)	B	From Leg	0.500 0.000 0.000	0.000	205.000	No Ice 1.881 1/2" Ice 2.207 1" Ice 2.543	1.881 2.207 2.543	0.057 0.074 0.094
**								

Dishes

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		205.000	6.000	No Ice 28.270 1/2" Ice 29.050 1" Ice 29.831	0.143 0.292 0.441
6' MW Dish (Carrier 4)	B	Paraboloid w/o Radome	From Leg	1.000 0.000 0.000	0.000		205.000	6.000	No Ice 28.270 1/2" Ice 29.050 1" Ice 29.831	0.143 0.292 0.441
**										

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 60 deg - No Ice
7	0.9 Dead+1.6 Wind 60 deg - No Ice
8	1.2 Dead+1.6 Wind 90 deg - No Ice
9	0.9 Dead+1.6 Wind 90 deg - No Ice
10	1.2 Dead+1.6 Wind 120 deg - No Ice
11	0.9 Dead+1.6 Wind 120 deg - No Ice
12	1.2 Dead+1.6 Wind 150 deg - No Ice
13	0.9 Dead+1.6 Wind 150 deg - No Ice
14	1.2 Dead+1.6 Wind 180 deg - No Ice
15	0.9 Dead+1.6 Wind 180 deg - No Ice
16	1.2 Dead+1.6 Wind 210 deg - No Ice
17	0.9 Dead+1.6 Wind 210 deg - No Ice
18	1.2 Dead+1.6 Wind 240 deg - No Ice
19	0.9 Dead+1.6 Wind 240 deg - No Ice
20	1.2 Dead+1.6 Wind 270 deg - No Ice
21	0.9 Dead+1.6 Wind 270 deg - No Ice
22	1.2 Dead+1.6 Wind 300 deg - No Ice
23	0.9 Dead+1.6 Wind 300 deg - No Ice
24	1.2 Dead+1.6 Wind 330 deg - No Ice

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Comb. No.	Description
25	0.9 Dead+1.6 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
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	15.327	0.815	-0.001
			Max. Compression	2	-17.244	0.831	0.000
			Max. Mx	2	-17.243	-0.886	0.001
			Max. My	14	-9.224	-0.427	-0.407
			Max. Vy	2	-3.433	0.831	0.000
		Diagonal	Max. Vx	10	2.081	-0.083	-0.139
			Max Tension	12	4.313	0.000	0.000
			Max. Compression	12	-4.277	0.000	0.000
			Max. Mx	35	0.630	0.019	-0.001
			Max. My	20	-4.245	0.004	0.010
		Top Girt	Max. Vy	32	0.023	0.018	0.003
			Max. Vx	20	-0.003	0.000	0.000
			Max Tension	22	0.658	0.000	0.000
			Max. Compression	11	-0.636	0.000	0.000
			Max. Mx	35	-0.080	-0.037	0.000
		Diagonal	Max. My	34	-0.066	0.000	0.001
			Max. Vy	35	0.030	0.000	0.000
			Max. Vx	34	0.001	0.000	0.000
T2	240 - 220	Leg	Max Tension	15	59.882	2.607	-0.005
			Max. Compression	2	-66.602	0.648	-0.002
			Max. Mx	2	-66.597	-3.215	0.006
			Max. My	14	-34.990	-1.484	-1.414
			Max. Vy	2	-7.720	0.648	-0.002
		Diagonal	Max. Vx	14	-3.360	0.299	0.267
			Max Tension	16	8.538	0.000	0.000
			Max. Compression	4	-7.786	0.000	0.000
			Max. Mx	2	1.742	0.038	-0.002

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T3	220 - 200	Leg	Max. My	8	-6.475	0.003	-0.035
			Max. Vy	34	0.032	0.031	-0.003
			Max. Vx	8	0.009	0.000	0.000
			Max Tension	15	104.531	2.878	-0.002
			Max. Compression	2	-114.784	0.830	0.000
			Max. Mx	2	-66.616	4.492	-0.010
		Diagonal	Max. My	14	-35.012	2.078	1.945
			Max. Vy	2	-9.472	0.830	0.000
			Max. Vx	6	3.642	0.365	-0.381
			Max Tension	8	8.732	0.000	0.000
			Max. Compression	16	-8.574	0.000	0.000
			Max. Mx	2	-1.138	0.057	-0.003
			Max. My	16	-8.526	-0.011	-0.034
			Max. Vy	34	0.044	0.046	-0.005
T4	200 - 180	Leg	Max. Vx	16	0.008	0.000	0.000
			Max Tension	15	145.190	3.092	-0.001
			Max. Compression	2	-160.661	0.849	0.000
			Max. Mx	2	-114.801	5.539	-0.002
			Max. My	6	-57.931	2.455	-2.196
			Max. Vy	2	-10.107	0.849	0.000
		Diagonal	Max. Vx	6	3.630	2.455	-2.196
			Max Tension	8	8.313	0.000	0.000
			Max. Compression	8	-8.965	0.000	0.000
			Max. Mx	36	1.413	0.059	-0.004
			Max. My	8	-8.907	-0.011	-0.028
			Max. Vy	32	0.050	0.058	0.006
T5	180 - 160	Leg	Max. Vx	8	0.006	0.000	0.000
			Max Tension	15	182.019	3.349	0.000
			Max. Compression	2	-202.785	0.900	0.000
			Max. Mx	2	-160.679	5.875	-0.000
			Max. My	6	-80.276	2.544	-2.084
			Max. Vy	2	-10.848	0.900	0.000
		Diagonal	Max. Vx	4	3.656	0.013	-0.392
			Max Tension	8	8.181	0.000	0.000
			Max. Compression	8	-8.588	0.000	0.000
			Max. Mx	32	0.282	0.073	0.007
			Max. My	8	-8.514	-0.004	-0.021
			Max. Vy	32	0.057	0.073	0.007
T6	160 - 140	Leg	Max. Vx	8	0.004	0.000	0.000
			Max Tension	15	216.580	3.756	0.001
			Max. Compression	2	-243.041	0.887	0.000
			Max. Mx	2	-202.805	6.297	0.001
			Max. My	4	-10.852	0.107	-2.222
			Max. Vy	2	-11.806	0.887	0.000
		Diagonal	Max. Vx	4	3.911	0.011	-0.373
			Max Tension	16	8.511	0.000	0.000
			Max. Compression	16	-8.607	0.000	0.000
			Max. Mx	32	0.302	0.103	0.010
			Max. My	8	-8.484	-0.005	-0.019
			Max. Vy	32	0.072	0.103	0.010
T7	140 - 120	Leg	Max. Vx	8	0.003	0.000	0.000
			Max Tension	15	249.915	4.591	0.002
			Max. Compression	2	-282.425	0.248	0.000
			Max. Mx	2	-243.063	6.768	0.003
			Max. My	4	-13.354	0.109	-2.332
			Max. Vy	2	-12.872	0.248	0.000
		Diagonal	Max. Vx	24	-4.300	-0.001	0.300
			Max Tension	16	9.053	0.000	0.000
			Max. Compression	16	-8.927	0.000	0.000
			Max. Mx	32	0.343	0.122	0.012
			Max. My	8	-8.670	0.006	-0.015

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	Project	255' SST/37.474838, -84.377351	Date 16:56:00 05/05/25
	Client	Vertical Bridge	Designed by jlandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T8	120 - 100	Leg	Max. Vy	32	0.079	0.122	0.012
			Max. Vx	33	-0.003	0.000	0.000
			Max Tension	15	282.094	4.425	0.002
			Max. Compression	2	-321.148	0.775	0.001
			Max. Mx	2	-282.445	6.680	0.004
			Max. My	24	-15.878	0.097	2.453
		Diagonal	Max. Vy	2	-13.657	0.775	0.001
			Max. Vx	24	-5.028	-0.009	0.845
			Max Tension	16	9.533	0.000	0.000
			Max. Compression	16	-9.444	0.000	0.000
			Max. Mx	34	0.448	0.160	-0.013
			Max. My	8	-8.654	0.026	-0.019
			Max. Vy	32	0.092	0.150	0.015
			Max. Vx	33	-0.004	0.000	0.000
T9	100 - 80	Leg	Max Tension	15	313.309	5.201	0.003
			Max. Compression	2	-359.206	0.303	0.001
			Max. Mx	2	-321.172	7.589	0.005
			Max. My	24	-18.506	0.110	3.361
			Max. Vy	2	-14.168	0.303	0.001
			Max. Vx	24	-5.149	-0.010	0.678
		Diagonal	Max Tension	17	10.691	0.000	0.000
			Max. Compression	2	-11.168	0.000	0.000
			Max. Mx	34	1.519	0.246	0.000
			Max. My	27	-0.178	0.000	0.006
			Max. Vy	34	-0.097	0.000	0.000
			Max. Vx	27	0.002	0.000	0.000
		Horizontal	Max Tension	2	1.356	-0.050	0.000
			Max. Compression	4	-1.632	0.000	0.000
			Max. Mx	33	0.144	-0.155	0.003
			Max. My	14	0.600	-0.040	0.005
			Max. Vy	33	0.089	-0.155	0.003
			Max. Vx	27	-0.002	-0.155	0.004
		Inner Bracing	Max Tension	1	0.000	0.000	0.000
			Max. Compression	33	-0.010	0.000	0.000
			Max. Mx	26	-0.009	-0.106	0.000
			Max. My	2	-0.005	0.000	-0.000
			Max. Vy	26	0.048	0.000	0.000
			Max. Vx	2	0.000	0.000	0.000
T10	80 - 60	Leg	Max Tension	15	343.225	6.143	0.004
			Max. Compression	2	-396.215	-0.533	0.000
			Max. Mx	2	-396.189	-8.069	-0.006
			Max. My	24	-21.180	0.085	3.255
			Max. Vy	2	-15.061	-0.533	0.000
			Max. Vx	24	-5.281	-0.018	0.460
		Diagonal	Max Tension	17	11.009	0.000	0.000
			Max. Compression	2	-11.177	0.000	0.000
			Max. Mx	34	1.572	0.279	0.000
			Max. My	27	-0.135	0.000	0.007
			Max. Vy	34	-0.103	0.000	0.000
			Max. Vx	27	-0.003	0.000	0.000
		Horizontal	Max Tension	2	1.649	-0.067	0.000
			Max. Compression	15	-1.575	-0.050	0.002
			Max. Mx	27	0.017	-0.196	0.004
			Max. My	14	0.580	-0.056	0.005
			Max. Vy	27	-0.105	-0.196	0.004
			Max. Vx	27	-0.002	-0.196	0.004
		Inner Bracing	Max Tension	1	0.000	0.000	0.000
			Max. Compression	33	-0.010	0.000	0.000
			Max. Mx	26	-0.010	-0.121	0.000
			Max. My	2	-0.004	0.000	-0.000
			Max. Vy	26	-0.051	0.000	0.000

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	Client	Vertical Bridge	Designed by jlandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T11	60 - 40	Leg	Max. Vx	2	0.000	0.000	0.000
			Max Tension	15	371.895	5.772	0.004
			Max. Compression	2	-432.008	0.337	0.001
			Max. Mx	2	-431.983	-7.608	-0.006
			Max. My	24	-23.986	0.084	3.104
			Max. Vy	2	-15.877	0.337	0.001
		Diagonal	Max. Vx	24	-5.414	-0.005	0.829
			Max Tension	17	11.081	0.000	0.000
			Max. Compression	3	-11.247	0.000	0.000
			Max. Mx	34	1.644	0.311	0.000
			Max. My	27	-0.027	0.000	0.007
			Max. Vy	34	-0.108	0.000	0.000
		Horizontal	Max. Vx	27	-0.003	0.000	0.000
			Max Tension	2	1.543	-0.078	0.001
			Max. Compression	15	-1.516	-0.058	0.002
			Max. Mx	27	0.011	-0.219	0.005
			Max. My	33	0.126	-0.218	0.005
			Max. Vy	27	-0.110	-0.219	0.005
		Inner Bracing	Max. Vx	27	-0.002	-0.219	0.005
			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	-0.004	0.000	-0.000
			Max. Vy	26	0.053	0.000	0.000
T12	40 - 20	Leg	Max. Vx	2	0.000	0.000	0.000
			Max Tension	15	399.545	6.789	0.006
			Max. Compression	2	-467.492	-0.567	0.000
			Max. Mx	2	-467.463	-8.965	-0.007
			Max. My	24	-26.800	0.106	3.538
			Max. Vy	2	-16.782	-0.567	0.000
		Diagonal	Max. Vx	24	-5.489	-0.020	0.381
			Max Tension	17	11.531	0.000	0.000
			Max. Compression	3	-11.625	0.000	0.000
			Max. Mx	34	1.900	0.397	0.000
			Max. My	27	0.233	0.000	0.009
			Max. Vy	34	-0.130	0.000	0.000
		Horizontal	Max. Vx	27	0.003	0.000	0.000
			Max Tension	2	1.848	-0.113	0.001
			Max. Compression	15	-1.716	-0.083	0.003
			Max. Mx	27	-0.072	-0.302	0.006
			Max. My	14	0.639	-0.095	0.008
			Max. Vy	27	-0.135	-0.278	0.006
		Inner Bracing	Max. Vx	33	0.003	-0.301	0.008
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	33	-0.012	0.000	0.000
			Max. Mx	31	-0.011	-0.149	0.000
			Max. My	2	-0.006	0.000	-0.000
			Max. Vy	31	0.054	0.000	0.000
T13	20 - 0	Leg	Max. Vx	2	0.000	0.000	0.000
			Max Tension	15	426.033	6.575	0.006
			Max. Compression	2	-501.511	0.000	-0.000
			Max. Mx	2	-501.482	-8.812	-0.008
			Max. My	24	-29.963	0.103	3.129
			Max. Vy	2	-17.610	0.000	-0.000
		Diagonal	Max. Vx	24	-5.492	0.103	3.129
			Max Tension	13	11.525	0.000	0.000
			Max. Compression	16	-11.776	0.000	0.000
			Max. Mx	27	2.149	0.414	0.000
			Max. My	27	0.763	0.000	0.010
			Max. Vy	27	-0.128	0.000	0.000
			Max. Vx	27	0.003	0.000	0.000

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	Client	Vertical Bridge	Designed by jlandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Horizontal	Max Tension	2	1.821	-0.132	0.002
			Max. Compression	15	-1.688	-0.092	0.003
			Max. Mx	27	-0.085	-0.327	0.007
			Max. My	33	0.111	-0.325	0.008
			Max. Vy	27	0.133	-0.327	0.007
			Max. Vx	33	0.003	-0.325	0.008
		Inner Bracing	Max Tension	1	0.000	0.000	0.000
			Max. Compression	33	-0.012	0.000	0.000
			Max. Mx	31	-0.011	-0.152	0.000
			Max. My	27	-0.011	0.000	-0.000
			Max. Vy	31	0.051	0.000	0.000
			Max. Vx	27	-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	477.600	30.481	-17.514
	Max. H _x	18	477.600	30.481	-17.514
	Max. H _z	5	-370.066	-23.795	16.455
	Min. Vert	7	-408.545	-27.348	15.699
	Min. H _x	7	-408.545	-27.348	15.699
	Min. H _z	18	477.600	30.481	-17.514
Leg B	Max. Vert	10	477.903	-30.570	-17.590
	Max. H _x	23	-408.938	27.445	15.783
	Max. H _z	25	-369.231	23.791	16.436
	Min. Vert	23	-408.938	27.445	15.783
	Min. H _x	10	477.903	-30.570	-17.590
	Min. H _z	10	477.903	-30.570	-17.590
Leg A	Max. Vert	2	500.454	-0.012	36.999
	Max. H _x	21	25.420	4.791	1.215
	Max. H _z	2	500.454	-0.012	36.999
	Min. Vert	15	-424.929	0.013	-33.073
	Min. H _x	9	25.420	-4.792	1.215
	Min. H _z	15	-424.929	0.013	-33.073

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	65.254	-0.000	0.000	5.155	0.506	0.000
1.2 Dead+1.6 Wind 0 deg - No Ice	78.304	0.000	-62.426	-9859.233	0.611	-0.536
0.9 Dead+1.6 Wind 0 deg - No Ice	58.728	0.000	-62.424	-9841.191	0.458	-0.535
1.2 Dead+1.6 Wind 30 deg - No Ice	78.304	29.569	-49.896	-7974.788	-4764.794	8.647
0.9 Dead+1.6 Wind 30 deg - No Ice	58.728	29.569	-49.895	-7960.403	-4755.470	8.637
1.2 Dead+1.6 Wind 60 deg - No Ice	78.304	47.755	-27.415	-4428.997	-7737.377	2.884

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	Project	Date
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	Client	Designed by
	Vertical Bridge	jlandon

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
0.9 Dead+1.6 Wind 60 deg - No Ice	58.728	47.753	-27.414	-4421.696	-7722.038	2.866
1.2 Dead+1.6 Wind 90 deg - No Ice	78.304	55.258	-0.611	-120.101	-8898.982	-5.645
0.9 Dead+1.6 Wind 90 deg - No Ice	58.728	55.256	-0.611	-121.464	-8881.305	-5.668
1.2 Dead+1.6 Wind 120 deg - No Ice	78.304	51.872	28.729	4511.291	-8238.644	-0.226
0.9 Dead+1.6 Wind 120 deg - No Ice	58.728	51.870	28.728	4500.756	-8222.372	-0.247
1.2 Dead+1.6 Wind 150 deg - No Ice	78.304	28.835	49.885	7966.991	-4602.410	6.774
0.9 Dead+1.6 Wind 150 deg - No Ice	58.728	28.834	49.883	7949.569	-4593.339	6.763
1.2 Dead+1.6 Wind 180 deg - No Ice	78.304	0.000	57.714	9258.854	0.613	0.536
0.9 Dead+1.6 Wind 180 deg - No Ice	58.728	0.000	57.713	9238.859	0.460	0.535
1.2 Dead+1.6 Wind 210 deg - No Ice	78.304	-28.836	49.886	7985.202	4614.146	-5.880
0.9 Dead+1.6 Wind 210 deg - No Ice	58.728	-28.834	49.884	7967.725	4604.735	-5.871
1.2 Dead+1.6 Wind 240 deg - No Ice	78.304	-51.662	28.608	4507.622	8233.499	-0.729
0.9 Dead+1.6 Wind 240 deg - No Ice	58.728	-51.660	28.607	4497.075	8216.901	-0.709
1.2 Dead+1.6 Wind 270 deg - No Ice	78.304	-55.258	-0.611	-120.102	8900.204	5.645
0.9 Dead+1.6 Wind 270 deg - No Ice	58.728	-55.256	-0.611	-121.465	8882.220	5.668
1.2 Dead+1.6 Wind 300 deg - No Ice	78.304	-47.965	-27.536	-4432.677	7744.961	-1.929
0.9 Dead+1.6 Wind 300 deg - No Ice	58.728	-47.963	-27.535	-4425.386	7729.333	-1.909
1.2 Dead+1.6 Wind 330 deg - No Ice	78.304	-29.569	-49.896	-7956.577	4755.501	-9.541
0.9 Dead+1.6 Wind 330 deg - No Ice	58.728	-29.568	-49.894	-7942.249	4745.903	-9.529
1.2 Dead+1.0 Ice+1.0 Temp	208.331	0.000	-0.001	9.771	4.923	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	208.331	0.000	-8.820	-1462.027	5.039	-0.573
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	208.331	4.280	-7.288	-1216.720	-718.464	-1.079
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	208.331	7.126	-4.099	-684.772	-1204.188	-0.803
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	208.331	8.220	-0.058	-1.834	-1385.679	-0.508
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	208.331	7.455	4.189	707.460	-1244.397	-0.720
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	208.331	4.234	7.327	1240.196	-705.736	-0.514
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	208.331	0.000	8.468	1435.813	5.038	0.572
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	208.331	-4.210	7.287	1237.055	713.998	1.340
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	208.331	-7.415	4.166	705.646	1251.330	1.006
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	208.331	-8.220	-0.058	-1.835	1395.755	0.508
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	208.331	-7.166	-4.123	-686.586	1217.407	0.518

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	Client	Vertical Bridge	Designed by jlandon

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
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	208.331	-4.303	-7.328	-1219.861	730.356	0.253
Dead+Wind 0 deg - Service	65.254	0.000	-21.407	-3373.689	0.508	-0.184
Dead+Wind 30 deg - Service	65.254	10.140	-17.111	-2728.267	-1631.553	2.983
Dead+Wind 60 deg - Service	65.254	16.376	-9.401	-1513.822	-2649.655	0.985
Dead+Wind 90 deg - Service	65.254	18.949	-0.210	-38.030	-3047.502	-1.960
Dead+Wind 120 deg - Service	65.254	17.788	9.852	1548.150	-2821.380	-0.080
Dead+Wind 150 deg - Service	65.254	9.888	17.107	2731.662	-1576.035	2.341
Dead+Wind 180 deg - Service	65.254	0.000	19.791	3174.136	0.508	0.183
Dead+Wind 210 deg - Service	65.254	-9.888	17.107	2737.896	1580.651	-2.035
Dead+Wind 240 deg - Service	65.254	-17.716	9.810	1546.887	2820.212	-0.248
Dead+Wind 270 deg - Service	65.254	-18.949	-0.210	-38.029	3048.519	1.960
Dead+Wind 300 deg - Service	65.254	-16.448	-9.443	-1515.083	2652.859	-0.657
Dead+Wind 330 deg - Service	65.254	-10.140	-17.110	-2722.033	1628.971	-3.289

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	-65.254	0.000	0.000	65.254	-0.000	0.000%
2	-0.000	-78.304	-62.430	-0.000	78.304	62.426	0.003%
3	-0.000	-58.728	-62.430	-0.000	58.728	62.424	0.006%
4	29.571	-78.304	-49.899	-29.569	78.304	49.896	0.003%
5	29.571	-58.728	-49.899	-29.569	58.728	49.895	0.006%
6	47.757	-78.304	-27.416	-47.755	78.304	27.415	0.003%
7	47.757	-58.728	-27.416	-47.753	58.728	27.414	0.005%
8	55.260	-78.304	-0.611	-55.258	78.304	0.611	0.003%
9	55.260	-58.728	-0.611	-55.256	58.728	0.611	0.006%
10	51.875	-78.304	28.731	-51.872	78.304	-28.729	0.003%
11	51.875	-58.728	28.731	-51.870	58.728	-28.728	0.006%
12	28.837	-78.304	49.887	-28.835	78.304	-49.885	0.003%
13	28.837	-58.728	49.887	-28.834	58.728	-49.883	0.006%
14	0.000	-78.304	57.717	-0.000	78.304	-57.714	0.003%
15	0.000	-58.728	57.717	-0.000	58.728	-57.713	0.005%
16	-28.837	-78.304	49.888	28.836	78.304	-49.886	0.003%
17	-28.837	-58.728	49.888	28.834	58.728	-49.884	0.006%
18	-51.665	-78.304	28.610	51.662	78.304	-28.608	0.003%
19	-51.665	-58.728	28.610	51.660	58.728	-28.607	0.006%
20	-55.260	-78.304	-0.611	55.258	78.304	0.611	0.003%
21	-55.260	-58.728	-0.611	55.256	58.728	0.611	0.006%
22	-47.967	-78.304	-27.538	47.965	78.304	27.536	0.003%
23	-47.967	-58.728	-27.538	47.963	58.728	27.535	0.005%
24	-29.570	-78.304	-49.898	29.569	78.304	49.896	0.003%
25	-29.570	-58.728	-49.898	29.568	58.728	49.894	0.006%
26	0.000	-208.331	0.000	-0.000	208.331	0.001	0.000%
27	-0.000	-208.331	-8.821	-0.000	208.331	8.820	0.000%
28	4.280	-208.331	-7.289	-4.280	208.331	7.288	0.000%
29	7.126	-208.331	-4.100	-7.126	208.331	4.099	0.000%
30	8.221	-208.331	-0.058	-8.220	208.331	0.058	0.000%
31	7.456	-208.331	4.190	-7.455	208.331	-4.189	0.000%
32	4.234	-208.331	7.328	-4.234	208.331	-7.327	0.000%
33	0.000	-208.331	8.469	-0.000	208.331	-8.468	0.000%
34	-4.211	-208.331	7.288	4.210	208.331	-7.287	0.000%
35	-7.415	-208.331	4.166	7.415	208.331	-4.166	0.000%
36	-8.221	-208.331	-0.058	8.220	208.331	0.058	0.000%
37	-7.167	-208.331	-4.123	7.166	208.331	4.123	0.000%
38	-4.303	-208.331	-7.329	4.303	208.331	7.328	0.000%

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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	
39	0.000	-65.254	-21.409	-0.000	65.254	21.407	0.003%
40	10.141	-65.254	-17.112	-10.140	65.254	17.111	0.003%
41	16.378	-65.254	-9.402	-16.376	65.254	9.401	0.002%
42	18.951	-65.254	-0.209	-18.949	65.254	0.210	0.003%
43	17.790	-65.254	9.853	-17.788	65.254	-9.852	0.003%
44	9.889	-65.254	17.108	-9.888	65.254	-17.107	0.003%
45	0.000	-65.254	19.793	-0.000	65.254	-19.791	0.003%
46	-9.889	-65.254	17.108	9.888	65.254	-17.107	0.003%
47	-17.718	-65.254	9.811	17.716	65.254	-9.810	0.003%
48	-18.951	-65.254	-0.209	18.949	65.254	0.210	0.003%
49	-16.450	-65.254	-9.444	16.448	65.254	9.443	0.002%
50	-10.141	-65.254	-17.112	10.140	65.254	17.110	0.003%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	13	0.00003940	0.00008878
3	Yes	12	0.00006824	0.00014706
4	Yes	13	0.00003643	0.00008243
5	Yes	12	0.00006185	0.00013383
6	Yes	13	0.00003382	0.00007684
7	Yes	12	0.00005615	0.00012197
8	Yes	13	0.00003643	0.00008247
9	Yes	12	0.00006183	0.00013385
10	Yes	13	0.00003920	0.00008838
11	Yes	12	0.00006780	0.00014621
12	Yes	13	0.00003654	0.00008266
13	Yes	12	0.00006209	0.00013431
14	Yes	13	0.00003375	0.00007663
15	Yes	12	0.00005601	0.00012157
16	Yes	13	0.00003655	0.00008272
17	Yes	12	0.00006212	0.00013441
18	Yes	13	0.00003922	0.00008846
19	Yes	12	0.00006785	0.00014636
20	Yes	13	0.00003643	0.00008247
21	Yes	12	0.00006183	0.00013385
22	Yes	13	0.00003381	0.00007678
23	Yes	12	0.00005613	0.00012188
24	Yes	13	0.00003641	0.00008238
25	Yes	12	0.00006182	0.00013373
26	Yes	6	0.00000001	0.00003372
27	Yes	14	0.00000001	0.00008583
28	Yes	14	0.00000001	0.00008422
29	Yes	14	0.00000001	0.00008336
30	Yes	14	0.00000001	0.00008395
31	Yes	14	0.00000001	0.00008581
32	Yes	14	0.00000001	0.00008572
33	Yes	14	0.00000001	0.00008591
34	Yes	14	0.00000001	0.00008592
35	Yes	14	0.00000001	0.00008614
36	Yes	14	0.00000001	0.00008434
37	Yes	14	0.00000001	0.00008369
38	Yes	14	0.00000001	0.00008440
39	Yes	12	0.00000001	0.00014865

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40	Yes	12	0.00000001	0.00014433
41	Yes	12	0.00000001	0.00014061
42	Yes	12	0.00000001	0.00014440
43	Yes	12	0.00000001	0.00014839
44	Yes	12	0.00000001	0.00014448
45	Yes	12	0.00000001	0.00014045
46	Yes	12	0.00000001	0.00014457
47	Yes	12	0.00000001	0.00014852
48	Yes	12	0.00000001	0.00014440
49	Yes	12	0.00000001	0.00014049
50	Yes	12	0.00000001	0.00014423

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	13.815	39	0.475	0.105
T2	240 - 220	12.291	39	0.471	0.090
T3	220 - 200	10.261	39	0.443	0.058
T4	200 - 180	8.386	39	0.398	0.036
T5	180 - 160	6.717	39	0.349	0.020
T6	160 - 140	5.257	39	0.300	0.011
T7	140 - 120	4.003	39	0.256	0.005
T8	120 - 100	2.921	39	0.215	0.004
T9	100 - 80	2.022	39	0.172	0.003
T10	80 - 60	1.323	39	0.133	0.003
T11	60 - 40	0.778	39	0.099	0.002
T12	40 - 20	0.377	39	0.063	0.002
T13	20 - 0	0.123	39	0.032	0.001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
255.000	10' Lightning Rod	39	13.815	0.475	0.105	272776
250.000	Sector1(CaAa=14000 Sq.in)No Ice	39	13.308	0.474	0.101	272776
239.000	Sector1(CaAa=10000 Sq.in)No Ice	39	12.189	0.470	0.089	142630
229.000	Sector1(CaAa=10000 Sq.in)No Ice	39	11.165	0.458	0.073	55289
205.000	6' MW Dish	39	8.836	0.410	0.040	23140

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	40.449	2	1.392	0.309
T2	240 - 220	35.983	2	1.378	0.264
T3	220 - 200	30.035	2	1.298	0.171
T4	200 - 180	24.543	2	1.165	0.106

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	Client	Vertical Bridge	Designed by	jlandon

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T5	180 - 160	19.653	2	1.020	0.060
T6	160 - 140	15.379	2	0.879	0.031
T7	140 - 120	11.709	2	0.747	0.015
T8	120 - 100	8.543	2	0.628	0.010
T9	100 - 80	5.916	2	0.503	0.010
T10	80 - 60	3.870	2	0.390	0.008
T11	60 - 40	2.275	2	0.288	0.007
T12	40 - 20	1.104	2	0.185	0.004
T13	20 - 0	0.360	2	0.093	0.002

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
255.000	10' Lightning Rod	2	40.449	1.392	0.309	95081
250.000	Sector1(CaAa=14000 Sq.in)No Ice	2	38.965	1.390	0.296	95081
239.000	Sector1(CaAa=10000 Sq.in)No Ice	2	35.683	1.376	0.260	50118
229.000	Sector1(CaAa=10000 Sq.in)No Ice	2	32.684	1.343	0.214	19155
205.000	6' MW Dish	2	25.860	1.201	0.119	7967

Bolt Design Data

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
T1	255	Diagonal	A325X	0.625	1	4.313	9.598	0.449 ✓	1	Member Block Shear
		Top Girt	A325X	0.625	1	0.658	9.598	0.069 ✓	1	Member Block Shear
T2	240	Leg	A325N	0.750	6	2.553	29.821	0.086 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.538	10.740	0.795 ✓	1	Member Block Shear
T3	220	Leg	A325N	0.750	6	9.979	29.821	0.335 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.732	13.025	0.670 ✓	1	Member Block Shear
T4	200	Leg	A325N	0.750	6	17.420	29.821	0.584 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.313	13.025	0.638 ✓	1	Member Block Shear
T5	180	Leg	A325N	1.000	6	24.197	53.014	0.456 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.181	13.025	0.628 ✓	1	Member Block Shear
T6	160	Leg	A325N	1.000	6	30.334	53.014	0.572 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.511	14.168	0.601 ✓	1	Member Block Shear
T7	140	Leg	A325N	1.000	6	36.094	53.014	0.681 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.053	14.168	0.639 ✓	1	Member Block Shear

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	Project	Date
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	Client	Designed by
	Vertical Bridge	jlandon

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
T8	120	Leg	A325N	1.000	6	41.650	53.014	0.786 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.533	15.186	0.628 ✓	1	Bolt Shear
T9	100	Leg	A325N	1.250	6	47.013	82.835	0.568 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	10.691	26.051	0.410 ✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	6.285	19.195	0.327 ✓	1	Member Block Shear
T10	80	Leg	A325N	1.250	6	52.215	82.835	0.630 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.009	26.051	0.423 ✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	6.867	21.480	0.320 ✓	1	Member Block Shear
T11	60	Leg	A325N	1.250	6	57.201	82.835	0.691 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.081	26.051	0.425 ✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	7.488	21.480	0.349 ✓	1	Member Block Shear
T12	40	Leg	A325N	1.250	6	61.979	82.835	0.748 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.531	28.336	0.407 ✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	8.103	26.051	0.311 ✓	1	Member Block Shear
T13	20	Leg	A325N	1.250	6	66.587	82.835	0.804 ✓	1	Bolt Tension
		Diagonal	A325X	0.625	1	11.525	28.336	0.407 ✓	1	Member Block Shear
		Horizontal	A325X	0.625	1	8.693	26.051	0.334 ✓	1	Member Block Shear

Compression Checks

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	-13.901	33.103	0.420 ¹ ✓
T2	240 - 220	2 1/4	20.019	4.754	101.4 K=1.00	3.976	-60.714	84.331	0.720 ¹ ✓
T3	220 - 200	2 1/2	20.019	4.754	91.3 K=1.00	4.909	-108.955	120.108	0.907 ¹ ✓
T4	200 - 180	2 3/4	20.019	4.754	83.0 K=1.00	5.940	-155.225	161.540	0.961 ¹ ✓
T5	180 - 160	3	20.019	4.754	76.1 K=1.00	7.069	-197.518	208.347	0.948 ¹ ✓
T6	160 - 140	3 1/4	20.019	4.754	70.2 K=1.00	8.296	-237.777	260.312	0.913 ¹ ✓

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page	29 of 34
	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T7	140 - 120	3 1/2	20.019	4.754	65.2 K=1.00	9.621	-277.121	317.273	0.873 ¹ ✓
T8	120 - 100	3 1/2	20.019	4.754	65.2 K=1.00	9.621	-316.049	317.273	0.996 ¹ ✓
T9	100 - 80	3 3/4	20.019	4.754	60.9 K=1.00	11.045	-349.647	379.106	0.922 ¹ ✓
T10	80 - 60	4	20.019	4.754	57.1 K=1.00	12.566	-386.594	445.717	0.867 ¹ ✓
T11	60 - 40	4	20.019	4.754	57.1 K=1.00	12.566	-422.632	445.717	0.948 ¹ ✓
T12	40 - 20	4 1/4	20.019	4.754	53.7 K=1.00	14.186	-457.986	517.034	0.886 ¹ ✓
T13	20 - 0	4 1/4	20.019	4.754	53.7 K=1.00	14.186	-492.220	517.034	0.952 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	-4.277	8.845	0.484 ¹ ✓
T2	240 - 220	L2x2x3/16	8.697	4.343	132.3 K=1.00	0.715	-7.786	9.233	0.843 ¹ ✓
T3	220 - 200	L2 1/2x2 1/2x3/16	9.987	4.976	120.6 K=1.00	0.902	-7.819	14.002	0.558 ¹ ✓
T4	200 - 180	L2 1/2x2 1/2x3/16	11.329	5.636	136.6 K=1.00	0.902	-7.667	10.915	0.702 ¹ ✓
T5	180 - 160	L2 1/2x2 1/2x3/16	12.706	6.314	153.1 K=1.00	0.902	-7.729	8.696	0.889 ¹ ✓
T6	160 - 140	L3x3x3/16	14.108	7.005	141.0 K=1.00	1.090	-8.088	12.379	0.653 ¹ ✓
T7	140 - 120	L3x3x3/16	15.529	7.705	155.1 K=1.00	1.090	-8.699	10.232	0.850 ¹ ✓
T8	120 - 100	L3x3x1/4	16.963	8.422	170.7 K=1.00	1.440	-9.117	11.161	0.817 ¹ ✓
T9	100 - 80	2L2 1/2x2 1/2x3/16x3/8	10.161	9.984	153.7 K=1.00	1.800	-10.412	17.205	0.605 ¹ ✓
T10	80 - 60	ai/ri > 0.75(KL/r) _o - 225 2L2 1/2x2 1/2x3/16x3/8	10.829	10.644	163.9 K=1.00	1.800	-10.893	15.137	0.720 ¹ ✓
T11	60 - 40	ai/ri > 0.75(KL/r) _o - 264 2L2 1/2x2 1/2x3/16x3/8	11.508	11.325	174.4 K=1.00	1.800	-11.052	13.371	0.827 ¹ ✓
T12	40 - 20	ai/ri > 0.75(KL/r) _o - 303 2L3x3x3/16x3/8 ai/ri > 0.75(KL/r) _o - 342	12.195	12.003	153.3 K=1.00	2.180	-11.576	20.945	0.553 ¹ ✓

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page	30 of 34
	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T13	20 - 0	2L3x3x3/16x3/8	12.889	12.698	162.2 K=1.00	2.180	-11.776	18.712	0.629 ¹ ✓
ai/ri > 0.75(KL/r) _o - 381									

¹ P_u / φP_n controls

Horizontal 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 $\frac{P_u}{\phi P_n}$
T9	100 - 80	2L1 3/4x1 3/4x3/16x3/8	17.606	8.647	193.2 K=1.00	1.242	-6.285	7.515	0.836 ¹ ✓
T10	80 - 60	ai/ri > 0.75(KL/r) _o - 220 2L2x2x3/16x3/8	19.106	9.386	182.5 K=1.00	1.430	-6.867	9.701	0.708 ¹ ✓
T11	60 - 40	ai/ri > 0.75(KL/r) _o - 259 2L2x2x3/16x3/8	20.606	10.136	197.1 K=1.00	1.430	-7.488	8.319	0.900 ¹ ✓
T12	40 - 20	ai/ri > 0.75(KL/r) _o - 298 2L2 1/2x2 1/2x3/16x3/8	22.106	10.876	167.5 K=1.00	1.800	-8.103	14.498	0.559 ¹ ✓
T13	20 - 0	ai/ri > 0.75(KL/r) _o - 337 2L2 1/2x2 1/2x3/16x3/8	23.606	11.626	179.0 K=1.00	1.800	-8.693	12.687	0.685 ¹ ✓
ai/ri > 0.75(KL/r) _o - 376									

¹ P_u / φP_n controls

Top Girt 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	4.913	4.767	166.5 K=1.00	0.621	-0.636	5.059	0.126 ¹ ✓

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 $\frac{P_u}{\phi P_n}$
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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 #B655 - Brindle Ridge (Site# US-KY-5210)	Page	31 of 34
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	Client	Vertical Bridge	Designed by	jlandon

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T9	100 - 80	L1 3/4x1 3/4x3/16	8.803	8.803	307.6 K=1.00	0.621	-0.010	1.483	0.007 ¹ ✓
T10	80 - 60	KL/R > 250 (C) - 227 L1 3/4x1 3/4x3/16	9.553	9.553	333.8 K=1.00	0.621	-0.010	1.259	0.008 ¹ ✓
T11	60 - 40	KL/R > 250 (C) - 266 L1 3/4x1 3/4x3/16	10.303	10.303	360.0 K=1.00	0.621	-0.011	1.083	0.010 ¹ ✓
T12	40 - 20	KL/R > 250 (C) - 305 L1 3/4x1 3/4x3/16	11.053	11.053	386.2 K=1.00	0.621	-0.012	0.941	0.013 ¹ ✓
T13	20 - 0	KL/R > 250 (C) - 344 L1 3/4x1 3/4x3/16	11.803	11.803	412.4 K=1.00	0.621	-0.012	0.825	0.014 ¹ ✓
		KL/R > 250 (C) - 383							

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	15.327	108.238	0.142 ¹ ✓
T2	240 - 220	2 1/4	20.019	0.500	10.7	3.976	59.882	178.924	0.335 ¹ ✓
T3	220 - 200	2 1/2	20.019	0.500	9.6	4.909	104.531	220.893	0.473 ¹ ✓
T4	200 - 180	2 3/4	20.019	0.500	8.7	5.940	145.190	267.281	0.543 ¹ ✓
T5	180 - 160	3	20.019	0.500	8.0	7.069	182.019	318.086	0.572 ¹ ✓
T6	160 - 140	3 1/4	20.019	0.500	7.4	8.296	216.580	373.310	0.580 ¹ ✓
T7	140 - 120	3 1/2	20.019	0.500	6.9	9.621	249.915	432.951	0.577 ¹ ✓
T8	120 - 100	3 1/2	20.019	0.500	6.9	9.621	282.094	432.951	0.652 ¹ ✓
T9	100 - 80	3 3/4	20.019	0.500	6.4	11.045	313.309	497.010	0.630 ¹ ✓
T10	80 - 60	4	20.019	0.500	6.0	12.566	343.225	565.487	0.607 ¹ ✓
T11	60 - 40	4	20.019	0.500	6.0	12.566	371.895	565.487	0.658 ¹ ✓
T12	40 - 20	4 1/4	20.019	0.500	5.7	14.186	399.545	638.381	0.626 ¹ ✓

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	Project	255' SST/37.474838, -84.377351	Date	16:56:00 05/05/25
	Client	Vertical Bridge	Designed by	jlandon

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T13	20 - 0	4 1/4	20.019	0.500	5.7	14.186	426.033	638.381	0.667 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	4.313	17.567	0.245 ¹
T2	240 - 220	L2x2x3/16	8.697	4.343	84.5	0.431	8.538	21.001	0.407 ¹
T3	220 - 200	L2 1/2x2 1/2x3/16	9.987	4.976	76.8	0.571	8.732	27.838	0.314 ¹
T4	200 - 180	L2 1/2x2 1/2x3/16	11.329	5.636	86.9	0.571	8.313	27.838	0.299 ¹
T5	180 - 160	L2 1/2x2 1/2x3/16	12.706	6.314	97.4	0.571	8.181	27.838	0.294 ¹
T6	160 - 140	L3x3x3/16	14.108	7.005	89.5	0.712	8.511	34.712	0.245 ¹
T7	140 - 120	L3x3x3/16	15.529	7.705	98.5	0.712	9.053	34.712	0.261 ¹
T8	120 - 100	L3x3x1/4	16.963	8.422	108.7	0.939	9.533	45.794	0.208 ¹
T9	100 - 80	2L2 1/2x2 1/2x3/16x3/8	10.161	9.984	154.0	1.139	10.691	55.529	0.193 ¹
T10	80 - 60	ai/ri > 0.75(KL/r) _o - 224 2L2 1/2x2 1/2x3/16x3/8	10.829	10.644	164.2	1.139	11.009	55.529	0.198 ¹
T11	60 - 40	ai/ri > 0.75(KL/r) _o - 263 2L2 1/2x2 1/2x3/16x3/8	11.508	11.325	174.7	1.139	11.081	55.529	0.200 ¹
T12	40 - 20	ai/ri > 0.75(KL/r) _o - 302 2L3x3x3/16x3/8	12.195	12.003	153.4	1.424	11.531	69.423	0.166 ¹
T13	20 - 0	ai/ri > 0.75(KL/r) _o - 341 2L3x3x3/16x3/8	12.889	12.698	162.3	1.424	11.525	69.423	0.166 ¹
		ai/ri > 0.75(KL/r) _o - 378							

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #B655 - Brindle Ridge (Site# US-KY-5210)	Page 34 of 34
	Project	255' SST/37.474838, -84.377351	Date 16:56:00 05/05/25
	Client	Vertical Bridge	Designed by jlandon

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T4	200 - 180	Diagonal	L2 1/2x2 1/2x3/16	83	-7.667	10.915	70.2	Pass
T5	180 - 160	Diagonal	L2 1/2x2 1/2x3/16	110	-7.729	8.696	88.9	Pass
T6	160 - 140	Diagonal	L3x3x3/16	141	-8.088	12.379	65.3	Pass
T7	140 - 120	Diagonal	L3x3x3/16	168	-8.699	10.232	85.0	Pass
T8	120 - 100	Diagonal	L3x3x1/4	195	-9.117	11.161	81.7	Pass
T9	100 - 80	Diagonal	2L2 1/2x2 1/2x3/16x3/8	225	-10.412	17.205	60.5	Pass
T10	80 - 60	Diagonal	2L2 1/2x2 1/2x3/16x3/8	264	-10.893	15.137	72.0	Pass
T11	60 - 40	Diagonal	2L2 1/2x2 1/2x3/16x3/8	303	-11.052	13.371	82.7	Pass
T12	40 - 20	Diagonal	2L3x3x3/16x3/8	342	-11.576	20.945	55.3	Pass
T13	20 - 0	Diagonal	2L3x3x3/16x3/8	381	-11.776	18.712	62.9	Pass
T9	100 - 80	Horizontal	2L1 3/4x1 3/4x3/16x3/8	220	-6.285	7.515	83.6	Pass
T10	80 - 60	Horizontal	2L2x2x3/16x3/8	259	-6.867	9.701	70.8	Pass
T11	60 - 40	Horizontal	2L2x2x3/16x3/8	298	-7.488	8.319	90.0	Pass
T12	40 - 20	Horizontal	2L2 1/2x2 1/2x3/16x3/8	337	-8.103	14.498	55.9	Pass
T13	20 - 0	Horizontal	2L2 1/2x2 1/2x3/16x3/8	376	-8.693	12.687	68.5	Pass
T1	255 - 240	Top Girt	L1 3/4x1 3/4x3/16	6	-0.636	5.059	12.6	Pass
T9	100 - 80	Inner Bracing	L1 3/4x1 3/4x3/16	227	-0.010	1.483	0.7	Pass
T10	80 - 60	Inner Bracing	L1 3/4x1 3/4x3/16	266	-0.010	1.259	0.8	Pass
T11	60 - 40	Inner Bracing	L1 3/4x1 3/4x3/16	305	-0.011	1.083	1.0	Pass
T12	40 - 20	Inner Bracing	L1 3/4x1 3/4x3/16	344	-0.012	0.941	1.3	Pass
T13	20 - 0	Inner Bracing	L1 3/4x1 3/4x3/16	383	-0.012	0.825	1.4	Pass
							Summary	
							Leg (T8)	99.6 Pass
							Diagonal (T5)	88.9 Pass
							Horizontal (T11)	90.0 Pass
							Top Girt (T1)	12.6 Pass
							Inner Bracing (T13)	1.4 Pass
							Bolt Checks	80.4 Pass
							RATING =	99.6 Pass

EXHIBIT D

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

Navigation

Reports

PSC Home

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.

- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

Utility ID	Utility Name	Address/City/Contact	Utility Type	Status
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Activ <input type="text"/>
<input type="button" value="Search"/>				

	Utility ID	Utility Name	Utility Type	Class	City	State
<input type="button" value="View"/>	4002000	1GLOBAL Operations (US) Inc.	Cellular	D	Durham	NC
<input type="button" value="View"/>	4111300	2600Hz, Inc. dba ZSWITCH	Cellular	D	Henderson	NV
<input type="button" value="View"/>	4115150	ACN Communication Services, LLC dba Flash Wireless dba Flash Mobile	Cellular	D	Charlotte	NC
<input type="button" value="View"/>	4115750	Affiniti Ventures, Inc.	Cellular	C	New York	NY
<input type="button" value="View"/>	4113600	AFNET, LLC	Cellular	D	Alpharetta	GA
<input type="button" value="View"/>	4108300	Air Voice Wireless, LLC d/b/a AirTalk Wireless	Cellular	A	Houston	TX
<input type="button" value="View"/>	4115200	Airespring, Inc.	Cellular	D	Clearwater	FL
<input type="button" value="View"/>	4111900	ALLNETAIR, INC.	Cellular	D	West Palm Beach	FL
<input type="button" value="View"/>	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	A	Lisle	IL
<input type="button" value="View"/>	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
<input type="button" value="View"/>	4107800	American Broadband and	Cellular	D	Toledo	OH

		Telecommunications Company				
View	4108650	AmeriMex Communications Corp.	Cellular	D	Safety Harbor	FL
View	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D	Virginia Beach	VA
View	4114250	Approved Contact LLC	Cellular	D	Reno	NV
View	4115050	Aquarius Silver LLC	Cellular	C	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4113100	BARK TECHNOLOGIES, INC.	Cellular	D	Charlotte	NC
View	4108600	BCN Telecom, Inc.	Cellular	D	Morristown	NJ
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	San Diego	CA
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	A	Dallas	TX
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular		Seattle	WA
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4106600	Cintex Wireless, LLC	Cellular	D	Houston	TX
View	4114550	Cliq Communications LLC d/b/a Cliq Mobile	Cellular	D	Coral Gables	FL
View	4111150	Comcast OTR1, LLC	Cellular	A	Phoeniexville	PA
View	4113550	Comlink Total Solutions Corp	Cellular	D	Fort Myers	FL
View	4101900	Consumer Cellular, Incorporated	Cellular	A	Portland	OR
View	4112700	Cox Wireless, LLC	Cellular	D	Atlanta	GA
View	4108850	Cricket Wireless, LLC	Cellular	A	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	A	Long Island City	NY
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4112000	DISH Wireless L.L.C.	Cellular	A	Englewood	CO

View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	C	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK
View	4113800	EVOLVE WIRELESS LLC	Cellular	D	Maumee	OH
View	4110450	Excellus Communications, LLC	Cellular	D	Harrisburg	SD
View	4112400	Excess Telecom Inc.	Cellular	D	Beverly Hills	CA
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Herndon	VA
View	4111750	Gabb Wireless, Inc.	Cellular	A	Lehi	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Miami	FL
View	4102200	Globalstar USA, LLC	Cellular	C	Covington	LA
View	4112850	GO TECHNOLOGY MANAGEMENT, LLC	Cellular	D	Atlanta	GA
View	4109600	Google North America Inc.	Cellular	A	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	4114300	Group F Consulting, LLC	Cellular	D		
View	4114050	Helix Wireless Inc.	Cellular	D	Monmouth Junction	NJ
View	4111350	HELLO MOBILE TELECOM LLC	Cellular	D	Dania Beach	FL
View	4112950	Hoop Wireless, LLC	Cellular	D	Lakewood	NJ
View	4103100	i-Wireless, LLC	Cellular	D	Newport	KY
View	4112550	IDT Domestic Telecom, Inc.	Cellular	D	Newark	NJ
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	D	Plano	TX
View	4112650	Insight Mobile, Inc.	Cellular	D	Los Angeles	CA

View	4111950	J Rhodes Enterprises LLC	Cellular	D	Gulf Breeze	FL
View	22215360	KDDI America, Inc.	Cellular	D	Staten Island	NY
View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	B	Sunny Isles Beach	FL
View	4114900	Liberty Wireless, LLC	Cellular	D	Rockville	MD
View	4114750	Link Mobile, Inc.	Cellular	D	New York	NY
View	4111400	Locus Telecommunications, LLC	Cellular	B	Fort Lee	NJ
View	4114500	Lux Mobile USA, Inc	Cellular	D	Baton Rouge	LA
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4112500	Marconi Wireless Holdings, LLC	Cellular	B	Westlake Village	CA
View	4113850	MAXSIP TEL KENTUCKY LLC d/b/a Maxsip Telecom	Cellular	D	Woodmere	NY
View	4114800	Mediacom Wireless LLC	Cellular	D	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	A	Costa Mesa	CA
View	4115100	Mobile 13, Inc	Cellular	D	South Jordan	UT
View	4114100	MVNO Connect LLC	Cellular	D	St. Petersburg	FL
View	4113350	NatWireless, LLC	Cellular	D	Houston	TX
View	4202400	New Cingular Wireless PCS, LLC	Cellular	A	San Antonio	TX
View	4110700	Norcell, LLC	Cellular	D	Clayton	WA
View	4113700	Nova Labs, Inc. dba Helium Mobile	Cellular	D	Las Vegas	NV
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4114950	Panda Mobile LLC	Cellular	D	Sparks	NV
View	4109050	Patriot Mobile LLC	Cellular	A	Grapevine	TX
View	4115600	PHREELI COMPANY	Cellular	C	Lewes	DE
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	4115650	PLUG MOBILE LLC	Cellular	C	St. Louis	MO

View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4114850	POWER MOBILE LLC	Cellular	C	Rockville Centre	NY
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4115550	Prepaid Wireless Wholesale of Maryland, LLC	Cellular	C	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4115000	Prosper Wireless LLC	Cellular	D	Sherman Oaks	CA
View	4107700	Puretalk Holdings, Inc.	Cellular	B	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL
View	4115900	RABONA CORPORATION	Cellular	C	New York	NY
View	4108700	Ready Wireless, LLC	Cellular	D	Cedar Rapids	IA
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4114200	Rocstar Wireless LLC	Cellular	D	Bedford	TX
View	4114700	Rocket Mobile LLC	Cellular	C	West Palm Beach	FL
View	4115400	RSCU Mobile, LLC	Cellular	D	Alpine	UT
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	A	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	A	Fremont	NE
View	4110150	Spectrotel of the South LLC dba Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	A	St. Louis	MO
View	4114400	Splash Cellular Inc.	Cellular	D	Bountiful	UT

View	4111600	STX Group LLC dba Twigby	Cellular	D	Murfreesboro	TN
View	4115450	Surf Telecom, LLC	Cellular	C	Key Bixcayne	FL
View	4113450	Syntegra North America, LLC	Cellular	D	Denton	TX
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobility, LLC d/b/a TAG Mobile	Cellular	D	Plano	TX
View	4115850	TELCO Communications LLC dba TELCO CELLULAR	Cellular	C	Oceanside	NY
View	4107200	Telefonica Global Solutions USA, Inc.	Cellular	D	Miami	FL
View	4112100	Tello LLC	Cellular	A	Atlanta	GA
View	4108900	Telrite Corporation	Cellular	D	Covington	GA
View	4108450	Tempo Telecom, LLC	Cellular	D	Dallas	TX
View	4113900	TERRACOM Inc. d/b/a Maxsip Tel	Cellular	D	Chattanooga	TN
View	4113950	THE LIGHT PHONE INC.	Cellular	D	Brooklyn	NY
View	4113250	Thrive Health Tech, Inc.	Cellular	D	Nashville	TN
View	4110400	Torch Wireless Corp.	Cellular	C	Bartlett	TN
View	4103300	Touchtone Communications, Inc.	Cellular	D	Cedar Knolls	NJ
View	4104200	TracFone Wireless, Inc.	Cellular	D	Miami	FL
View	4115350	TREK CELLULAR, LLC	Cellular	D	Stevensville	MD
View	4112250	TROOMI WIRELESS, Inc.	Cellular	B	Orem	UT
View	4114600	TruConnect Communications, Inc.	Cellular	D	Los Angeles	CA
View	4112600	Tube Incorporated dba Reach Mobile	Cellular	D	Atlanta	GA
View	4112750	Unity Wireless, Inc.	Cellular	D	Pembroke Pines	FL
View	4115800	USA Mobile LLC	Cellular	C	Laguna Beach	CA
View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	C	Costa Mesa	CA

View	10630	Verizon Americas LLC dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4113300	Via Wireless, LLC	Cellular	D	Houston	TX
View	4110800	Visible Service LLC	Cellular	D	Basking Ridge	NJ
View	4115700	Viva-US Communications, Inc.	Cellular	C	San Diego	CA
View	4113750	VOLT MOBILE Inc	Cellular	D	Delray Beach	FL
View	4114450	WeIncentivize LLC d/b/a ChosenWireless	Cellular	D	San Diego	CA
View	4113000	Whoop Connect Inc.	Cellular	D	Melbourne	FL
View	4115250	WHOOB MOBILE INC.	Cellular	C	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	Calgary, AB	CA
View	4110950	Wing Tel Inc.	Cellular	C	New York	NY
View	4113400	Wrizzle, Inc.	Cellular	D	New Milford	CT
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4112150	Zefcom, LLC	Cellular	C	Wichita Falls	TX

EXHIBIT E

**FEDERAL AVIATION ADMINISTRATION
DOCUMENTATION**



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

Aeronautical Study No.
2024-ASO-23897-OE

Issued Date: 03/06/2025

Julie Heffernan
The Towers, LLC
7500 Park of Commerce Dr
Suite 200
Boca Raton, FL 33487

**** 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 US-KY-5210 - Brindle Ridge
Location:	Berea, KY
Latitude:	37-28-29.42N NAD 83
Longitude:	84-22-38.46W
Heights:	982 feet site elevation (SE) 265 feet above ground level (AGL) 1247 feet above mean sea level (AMSL)

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

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

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M Change 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 Airmen (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)
__X__ 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 09/06/2026 unless:

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

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

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

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

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

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

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

If we can be of further assistance, please contact our office at (817) 222-5928, or chris.smith@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2024-ASO-23897-OE.

Signature Control No: 641457148-649532195

(DNE)

Chris Smith
Specialist

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

cc: FCC

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

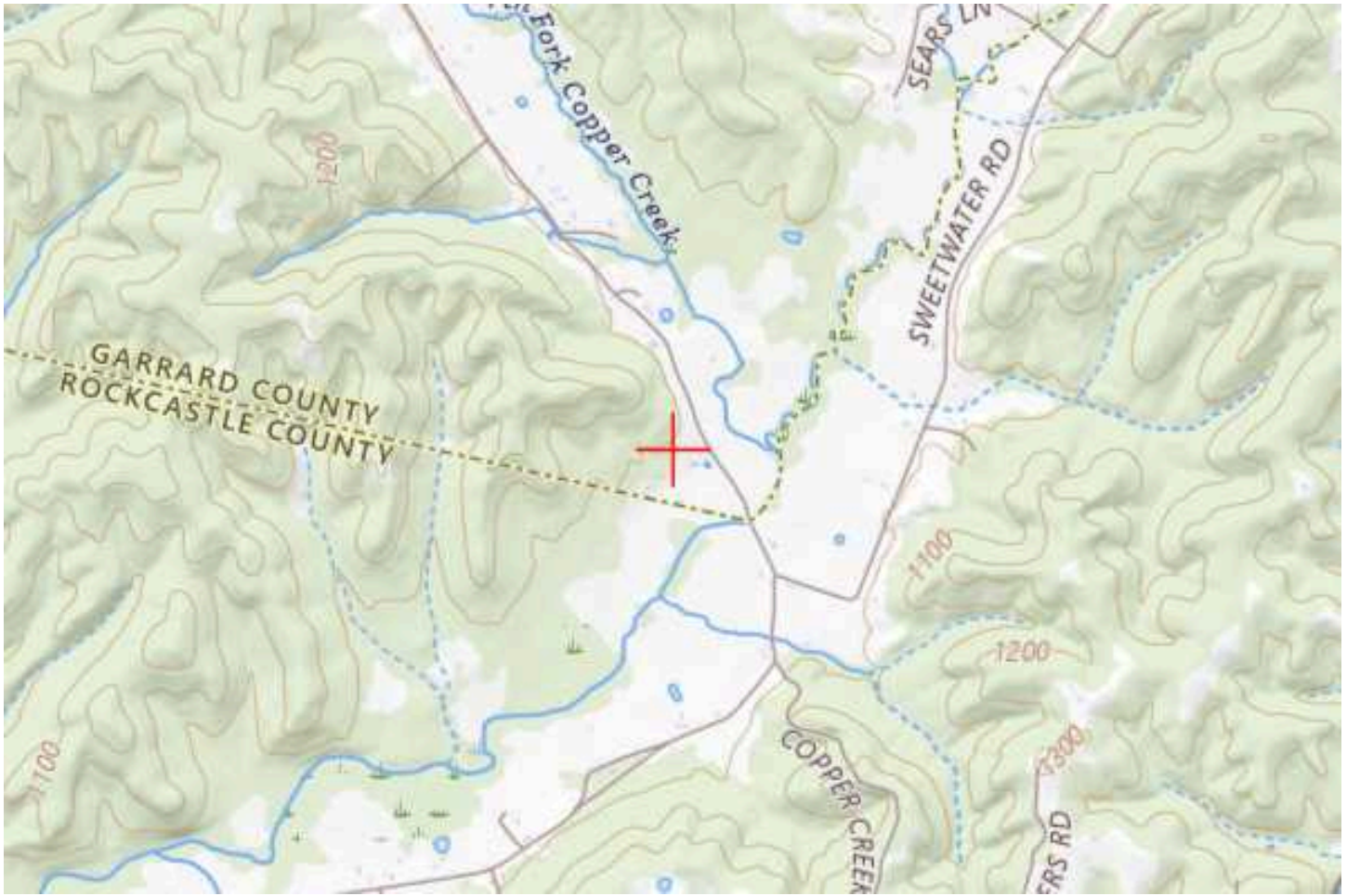
This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power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

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

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

Frequency Data for ASN 2024-ASO-23897-OE

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



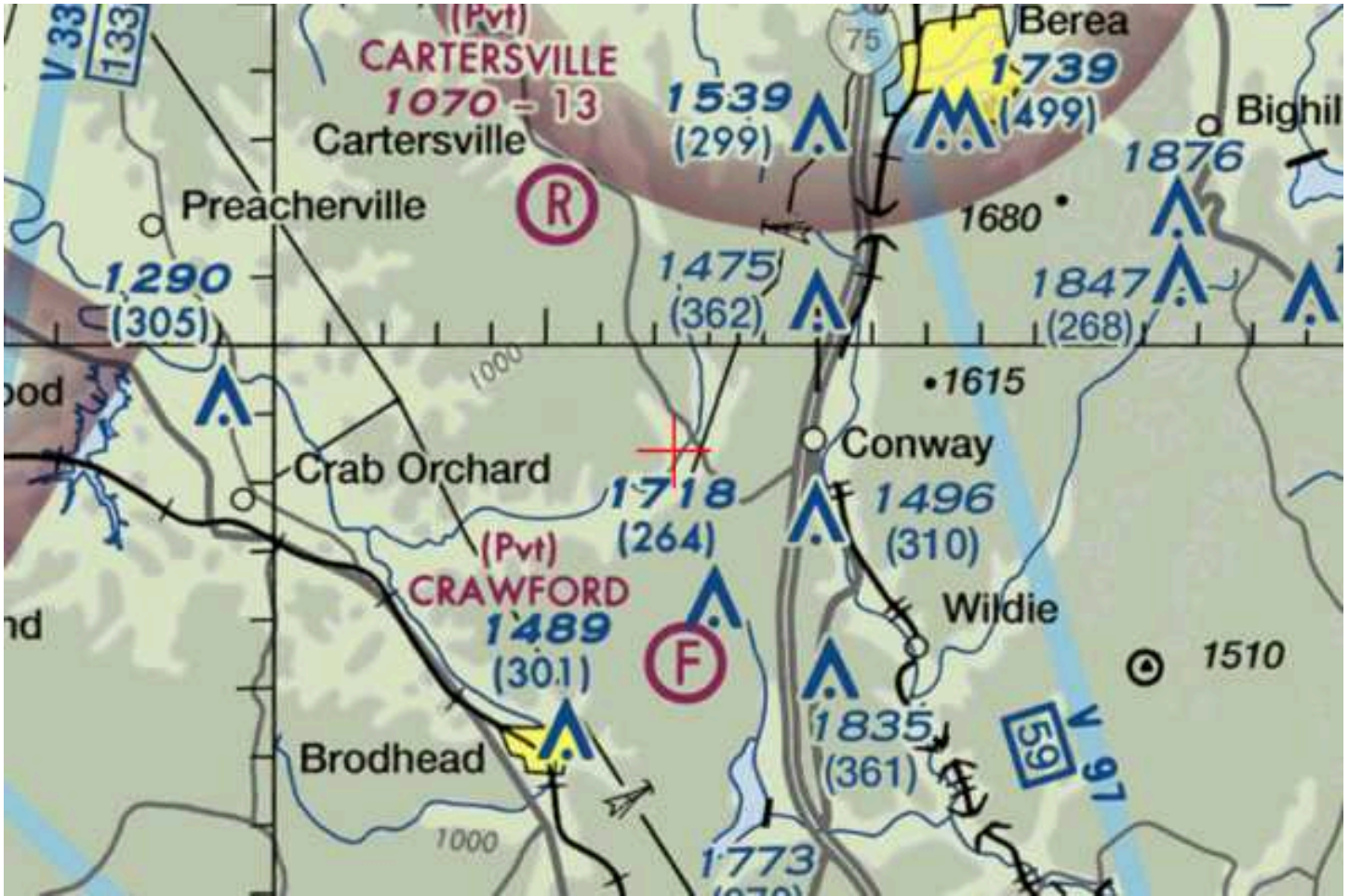


EXHIBIT F

**KENTUCKY AIRPORT ZONING COMMISSION
DOCUMENTATION**

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.

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) The Towers, LLC		PHONE 561-406-4015	FAX	KY AERONAUTICAL STUDY #	
ADDRESS (street) 750 Park of Commerce Dr, Suite 200		CITY Boca Raton		STATE FL	ZIP 33487
APPLICANT'S REPRESENTATIVE (name) Robert Rodriguez		PHONE 561-596-9780	FAX		
ADDRESS (street) 750 Park of Commerce Dr, Suite 200		CITY Boca Raton		STATE FL	ZIP 33487
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start End	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 37° 28' 29.42"		LONGITUDE 84° 22' 38.46"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY Berea, Garrard		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT CENTRAL KENTUCKY RGNL			
SITE ELEVATION (AMSL, feet) 982'		TOTAL STRUCTURE HEIGHT (AGL, feet) 265'		CURRENT (FAA aeronautical study #) 2024-ASO-23897-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1247'				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 10.6 miles				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) South					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) (37 28 29.42, -84 22 38.46) - 1-A Survey is attached. Site Address TBD					
DESCRIPTION OF PROPOSAL Proposed 255' lattice tower with 10' lightning rod for cellular communications.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, when?					
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 Robert Rodriguez	TITLE Project Manager	SIGNATURE <i>Robert Rodriguez</i>		DATE 3/25/2025	
COMMISSION ACTION		<input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC			
<input type="checkbox"/> Approved	SIGNATURE			DATE	
<input type="checkbox"/> Disapproved					

EXHIBIT G
GEOTECHNICAL REPORT



DELTA OAKS GROUP

GEOTECHNICAL INVESTIGATION REPORT

February 19, 2025

Prepared For:

Vertical Bridge



Brindle Ridge

US-KY-5210

Proposed 255-Foot Self-Supporting Tower

4744 Copper Creek Road, Berea (Garrard County), Kentucky 40403

Latitude N 37° 28' 29.42" Longitude W 84° 22' 38.46"

Delta Oaks Group Project GEO25-24439-08

Revision 0

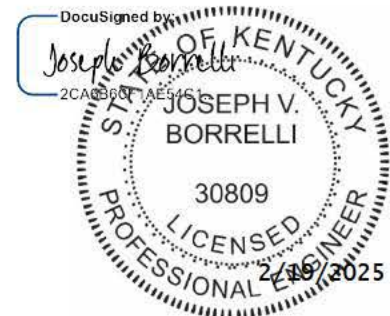
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Performed By:

Robert Dixon, E.I.

Reviewed By:

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





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INTRODUCTION

This geotechnical investigation report has been completed for the proposed 255-foot self-supporting tower located at 4744 Copper Creek Road in Berea (Garrard County), Kentucky. The purpose of this investigation was to provide engineering recommendations and subsurface condition data at the proposed tower location. A geotechnical engineering interpretation of the collected information was completed and utilized to suggest design parameters regarding the adequacy of the structure's proposed foundation capacity under various loading conditions. This report provides the scope of the geotechnical investigation; geologic material identification; results of the geotechnical laboratory testing; and design parameter recommendations for use in the design of the telecommunication facility's foundation and site development.

SITE CONDITION SUMMARY

The proposed tower and compound are located on a grassy exhibiting a gradually sloping topography from the northwest to southeast across the tower compound and subject property.

REFERENCES

- Lease Exhibit, provided by Vertical Bridge Holdings, LLX, dated December 5, 2024
- TIA Standard (TIA-222-G), dated August 2005

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of one (1) mechanical soil test boring to the auger refusal depth of 18.3 feet bgs. Samples were obtained at selected intervals in accordance with ASTM D 1586. The sampling was conducted at the provided coordinates for the base of the proposed tower. Upon encountering auger refusal 5.0 feet of rock coring was conducted in accordance with ASTM D 2113. Soil and rock samples were transported to our laboratory and classified by a geotechnical engineer in accordance with ASTM D 2487. A detailed breakdown of the material encountered in our subsurface field investigation can be found in the boring log presented in the Appendix of this report.

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



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SUBSURFACE CONDITION SUMMARY

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

FILL

Fill material was not encountered during the subsurface field investigation.

SOIL

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

Auger advancement refusal was encountered during the subsurface field investigation at a depth of 18.3 feet bgs.

ROCK

Rock was encountered during the subsurface investigation at a depth of 18.3 feet bgs. The rock can be described as highly fractured, moderately to highly weathered, soft to moderately hard shale.

SUBSURFACE WATER

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

FROST PENETRATION

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

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 10,400 ohms-cm.



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FOUNDATION DESIGN SUMMARY

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

GENERAL SUBSURFACE STRENGTH PARAMETERS

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-1	0.0 - 3.0	CL	110	0	400
	3.0 - 6.0	CL	120	0	1,500
	6.0 - 8.0	CL	120	0	2,500
	8.0 - 13.0	CL	120	0	1,800
	13.0 - 18.3	CL	120	0	1,500
	18.3 - 23.8	SHALE	150	0	5,000

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



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SUBSURFACE STRENGTH PARAMETERS – SHALLOW FOUNDATION

Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-1	5.0 x 5.0	3.0	10,360
		4.0	10,730
		5.0	11,100
		6.0	15,020
	10.0 x 10.0	3.0	9,810
		4.0	9,990
		5.0	10,180
		6.0	13,060
	15.0 x 15.0	3.0	9,620
		4.0	9,750
		5.0	9,870
		6.0	12,400
	20.0 x 20.0	3.0	9,530
		4.0	9,620
		5.0	9,710
		6.0	12,080
	25.0 x 25.0	3.0	9,470
		4.0	9,550
		5.0	9,620
		6.0	11,880

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



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ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0.0	110	0	400	0.00	1.00	400.00
Bottom	1.7	110	0	400	187.00	1.00	493.50
Top	1.7	110	0	400	187.00	1.00	987.00
Bottom	3.0	110	0	400	330.00	1.00	1,130.00
Top	3.0	120	0	1,500	330.00	1.00	3,330.00
Bottom	6.0	120	0	1,500	690.00	1.00	3,690.00
Top	6.0	120	0	2,500	690.00	1.00	5,690.00
Bottom	8.0	120	0	2,500	930.00	1.00	5,930.00
Top	8.0	120	0	1,800	930.00	1.00	4,530.00
Bottom	10.0	120	0	1,800	1,170.00	1.00	4,770.00



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SUBSURFACE STRENGTH PARAMETERS - DRILLED SHAFT FOUNDATION

Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-1	0.0 - 3.0	-	-	-
	3.0 - 6.0	15,800	820	820
	6.0 - 8.0	14,610	1,370	1,370
	8.0 - 13.0	13,600	990	990
	13.0 - 18.3	35,130	820	820
	18.3 - 23.3	44,460	2,310	2,310

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



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CONSTRUCTION

SITE DEVELOPMENT

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

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

STRUCTURAL FILL PLACEMENT

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

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

SHALLOW FOUNDATIONS

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



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DRILLED SHAFT FOUNDATIONS

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

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

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

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



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QUALIFICATIONS

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

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

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

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



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APPENDIX



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BORING PLAN



PAGE 1 OF 1

▼ AFTER DRILLING : — Not measured

[illegible]

EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at 15 Public Square, Lancaster, KY 40444, head south toward W Buford Street and travel approximately 167 feet.
2. Turn left onto W Buford Street and travel approximately 302 feet.
3. Turn left onto Standford Street and travel approximately 364 feet.
4. Turn right onto KY-52 E / Richmond Road and travel approximately 8.2 miles.
5. Turn right onto State Hwy 954 and travel approximately 4.7 miles.
6. Continue straight onto Copper Creek Road and travel approximately 4.7 miles.
7. Arrive at the site on the right.

Site Address: 4744 Copper Creek Road, Berea, KY 40403

Site Coordinates: 37° 28' 29.42" North latitude, 84° 22' 38.46" West longitude.



Prepared by:
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EXHIBIT I

COPY OF REAL ESTATE AGREEMENT

Landlord:

Robert Gordon Chasteen
4744 Copper Creek Rd
Berea, Kentucky 40403

Tenant:

The Towers, LLC
750 Park of Commerce Drive, Suite 200
Boca Raton, Florida 33487

Site #: US-KY-5210

Site Name: Brindle Ridge

OPTION AND LEASE AGREEMENT

THIS OPTION AND LEASE AGREEMENT (this "Agreement") is made this 25th day of October, 2024 (the "Effective Date") by and between **Robert Gordon Chasteen**, a single man ("Landlord"), whose address is 4744 Copper Creek Rd, Berea, Kentucky 40403, and **The Towers, LLC**, a Delaware limited liability company ("Tenant"), whose address is 750 Park of Commerce Drive, Suite 200, Boca Raton, Florida 33487.

WHEREAS, Landlord owns certain real property located in the County of Rockcastle, in the State or Commonwealth of Kentucky, that is more particularly described and/or depicted in **Exhibit 1** attached hereto (the "Property"); and,

WHEREAS, Tenant desires to lease from Landlord a certain portion of the Property measuring approximately 10,000 square feet and to obtain easements for landscape buffer, utilities and access (collectively, the "Premises"), which Premises is more particularly described and/or depicted in **Exhibit 2** attached hereto, for the placement of Communications Facilities (defined below).

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree:

1. OPTION TO LEASE.

(a) As of the Effective Date, Landlord grants to Tenant the exclusive option to lease the Premises (the "Option") during the Option Period (defined below). At any time during the Option Period and Term (defined below), Tenant and its agents, engineers, surveyors and other representatives will have the right to enter upon the Property to inspect, examine, conduct soil borings, drainage testing, material sampling, and other geological or engineering tests or studies of the Property (collectively, the "Tests"), to apply for and obtain licenses, permits, approvals, or other relief required of or deemed necessary or appropriate at Tenant's sole discretion for its use of the Premises including, without limitation, applications for zoning variances, zoning ordinances, amendments, special use permits, construction permits and any other permits and approvals deemed necessary by Tenant (collectively, the "Government Approvals"), initiate the ordering and/or scheduling of necessary utilities, obtain a title report with respect to the Property, and otherwise to do those things on or off the Property that, in the opinion of Tenant, are necessary in Tenant's sole discretion to determine the physical condition of the Property, the environmental history of the Property, and the feasibility or suitability of the Property for Tenant's permitted use under this Agreement, all at Tenant's expense. Tenant shall be authorized to apply for the Government Approvals on behalf of Landlord and Landlord agrees to reasonably cooperate with such applications. Tenant will not be

liable to Landlord or any third party on account of any pre-existing defect or condition on or with respect to the Property, whether or not such defect or condition is disclosed by Tenant's Tests. Tenant will restore the Property to its condition as it existed prior to conducting any Tests, reasonable wear and tear and casualty not caused by Tenant excepted. In addition, Tenant shall indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or claims arising directly out of Tenant's Tests.

(b) In consideration of Landlord granting Tenant the Option, Tenant agrees to pay Landlord the sum of [REDACTED] within thirty (30) days of the full execution of this Agreement. The Option Period will be for a term of two (2) years from the Effective Date (the "**Initial Option Period**") and may be renewed by Tenant for an additional two (2) year period ("**Renewal Option Period**") upon written notification to Landlord and the payment of [REDACTED] for the Renewal Option Period prior to the expiration date of the Option Period as hereinafter defined. Unless utilized independently, the Initial Option Period and the Renewal Option Period shall be referred to collectively as the "**Option Period**."

(c) Tenant may exercise the Option at any time during the Option Period by delivery of written notice to Landlord (the "**Notice of Exercise of Option**"). The Notice of Exercise of Option shall set forth the commencement date (the "**Commencement Date**") of the Initial Term (defined below). If Tenant does not provide a Notice of Exercise of Option during the Option Period, this Agreement will terminate and the parties will have no further liability to each other.

(d) During the Option Period or the Term, Landlord shall not take any action to change the zoning status or land use of the Property which would diminish, impair, or adversely affect the use of the Premises by Tenant for its permitted uses hereunder.

2. TERM.

(a) Effective as of the Commencement Date, Landlord leases the Premises to Tenant subject to the terms and conditions of this Agreement for an initial term of five (5) years (the "**Initial Term**").

(b) Tenant shall have the option to extend the Initial Term for nine (9) successive terms of five (5) years each (each a "**Renewal Term**"). Each Renewal Term shall commence automatically, unless Tenant delivers notice to Landlord, not less than thirty (30) days prior to the end of the then-current Term, of Tenant's intent not to renew. For purposes of this Agreement, "**Term**" shall mean the Initial Term and any applicable Renewal Term(s).

3. RENT

(a) Beginning on the first (1st) day of the third (3rd) month after the Commencement Date ("**Rent Commencement Date**"), Tenant shall pay to Landlord a monthly rent payment of [REDACTED] ("**Rent**") at the address set forth in Section 29 above on or before the fifth (5th) day of each calendar month in advance. The initial payment of Rent will be forwarded by Tenant to Landlord within thirty (30) days after the Rent Commencement Date.

(b) The Rent shall increase by [REDACTED] on each anniversary of the Rent Commencement Date.

4. TAXES. Tenant shall pay any personal property taxes assessed on, or any portion of such taxes attributable to, the Communications Facilities located on the Premises. Landlord shall pay when due all real property taxes and all other fees and assessments attributable to the Property and the Premises. Tenant

shall pay as additional rent any increase in real property taxes levied against the Premises, which are directly attributable to Tenant's use of the Premises (but not, however, taxes attributable to periods prior to the Commencement Date such as roll-back or greenbelt assessments) if Landlord furnishes proof of such increase to Tenant (such increase, the "**Landlord Tax Reimbursement**"). In the event that Landlord fails to pay when due any taxes affecting the Premises or any easement relating to the Premises, Tenant shall have the right, but not the obligation, to pay such taxes and any applicable interest, penalties or similar charges, and deduct the full amount of the taxes and such charges paid by Tenant on Landlord's behalf from future installments of Rent. Notwithstanding the foregoing, Tenant shall not have the obligation to pay any tax, assessment, or charge that Tenant is disputing in good faith in appropriate proceedings prior to a final determination that such tax is properly assessed, provided that no lien attaches to the Property. In addition, Tenant shall not have the obligation to pay or reimburse Landlord for the Landlord Tax Reimbursement if Landlord has not provided proof of such amount and demand therefor within one (1) year of the date such amount is due and payable by Landlord.

5. USE. The Premises are being leased for the purpose of erecting, installing, operating, maintaining, repairing and replacing radio or communications towers, transmitting and receiving equipment, antennas, dishes, satellite dishes, mounting structures, equipment shelters and buildings, solar energy conversion and electrical power generation system, fencing and other supporting structures and related equipment (collectively, the "**Communications Facilities**"), and to alter, supplement and/or modify same. Tenant may, subject to the foregoing, make any improvements, alterations or modifications to the Premises as are deemed appropriate by Tenant for the permitted use herein. Tenant shall have the right to clear the Premises of any trees, vegetation, or undergrowth which interferes with the use of the Premises for the intended purposes by Tenant and/or its subtenants and licensees, as applicable. Tenant shall have the exclusive right to install and operate the Communications Facilities upon the Premises.

6. ACCESS AND UTILITIES. During the Term, Tenant and its guests, agents, employees, customers, invitees, subtenants, licensees and assigns shall have the unrestricted, exclusive right to use, and shall have free and unfettered access to, the Premises seven (7) days a week, twenty-four (24) hours a day. Landlord for itself, its successors and assigns, hereby grants and conveys unto Tenant, its customers, employees, agents, invitees, subtenants, licensees, successors and assigns a non-exclusive easement throughout the Term to a public right of way (a) for ingress and egress, and (b) for the construction, installation, operation, maintenance, repair and replacement of overhead and underground electric and other utility facilities (including fiber, backhaul, wires, poles, guys, cables, conduits and appurtenant equipment), with the right to reconstruct, improve, add to, enlarge, change and remove such facilities, over, across and through any easement for the benefit of and access to the Premises, subject to the terms and conditions herein set forth. Landlord agrees to coordinate, cooperate and assist Tenant with obtaining the required access and utility easements to the Premises from a public right of way up to and including negotiating and obtaining such access and utility rights from any applicable neighbor parcel. If there are utilities already existing on the Premises which serve the Premises, Tenant may utilize such utilities and services. The rights granted to Tenant herein shall also include the right to partially assign its rights hereunder to any public or private utility company or authority to facilitate the uses contemplated herein, and all other rights and privileges reasonably necessary for Tenant's safe and efficient use and enjoyment of the easements for the purposes described above. Upon Tenant's request, Landlord shall execute and deliver to Tenant requisite recordable documents evidencing the easements contemplated hereunder within fifteen (15) days of Tenant's request, and Landlord shall obtain the consent and joinder of Landlord's mortgagee to any such grant, if applicable.

7. EQUIPMENT, FIXTURES AND REMOVAL. The Communications Facilities shall at all times be the personal property of Tenant and/or its subtenants and licensees, as applicable. Tenant or its customers, subtenants or licensees shall have the right to erect, install, maintain, repair, replace and operate

on the Premises such equipment, structures, fixtures, signs, and personal property as Tenant, its customers, subtenants or licensees may deem necessary or appropriate, and such property, including the equipment, structures, fixtures, signs, and personal property currently on the Premises, shall not be deemed to be part of the Premises, but shall remain the property of Tenant or its customers, subtenants or licensees. Within ninety (90) days after the expiration or earlier termination of this Agreement (the "**Removal Period**"), Tenant, customers, subtenants or licensees shall remove its improvements and personal property and restore the Premises to grade and perform all obligations under this Agreement during the Removal Period, including, without limitation, the payment of Rent at the rate in effect upon the expiration or termination of this Agreement.

8. ASSIGNMENT AND SUBLEASE. Tenant may transfer or assign this Agreement to Tenant's Lender (defined below), principal, affiliates, subsidiaries, subsidiaries of its principal or to any entity which acquires all of or substantially all of Tenant's assets or ownership interests by reasons of merger, acquisition or other business reorganization without Landlord's consent (a "**Permitted Assignment**"). As to transfers or assignments which do not constitute a Permitted Assignment, Tenant is required to obtain Landlord's written consent prior to effecting such transfer or assignment, which consent shall not be unreasonably withheld, conditioned or delayed. Upon such assignment, including a Permitted Assignment, Tenant will be relieved and released of all obligations and liabilities hereunder. Tenant shall have the exclusive right to sublease or grant licenses without Landlord's consent to use all or part of the Premises and/or the Communications Facilities, but no such sublease or license shall relieve or release Tenant from its obligations under this Agreement. Landlord may assign this Agreement only in its entirety and only to any person or entity who or which acquires fee title to the Property, subject to Section 15. Landlord may subdivide the Property without Tenant's prior written consent provided the resulting parcels from such subdivision are required to afford Tenant the protections set forth in Section 14 hereof.

9. COVENANTS, WARRANTIES AND REPRESENTATIONS.

(a) Landlord warrants and represents that it is the owner in fee simple of the Property, free and clear of all liens and encumbrances except as to those which may have been disclosed to Tenant in writing prior to the execution hereof, and that it alone has full right to lease the Premises for the Term.

(b) Landlord shall pay promptly, when due, any other amounts or sums due and owing with respect to its ownership and operation of the Property, including, without limitation, judgments, taxes, liens, mortgage payments and other similar encumbrances. If Landlord fails to make any payments required under this Agreement, or breaches any other obligation or covenant under this Agreement, Tenant may (without obligation), after providing ten (10) days written notice to Landlord, make such payment or perform such obligation on behalf of Landlord and offset such payment (including any reasonable attorneys' fees incurred in connection with Tenant performing such obligation) against payments of Rent.

(c) Landlord shall not do or knowingly permit anything that will interfere with or negate any special use permit or approval pertaining to the Premises or cause Tenant's use of the Premises to be in nonconformance with applicable local, state, or federal laws. Landlord shall cooperate with Tenant in any effort by Tenant to obtain certificates, permits, licenses and other approvals that may be required by any governmental authorities. Landlord agrees to execute any necessary applications, consents or other documents as may be reasonably necessary for Tenant to apply for and obtain the Government Approvals required to use and maintain the Premises and the Communications Facilities.

(d) To the best of Landlord's knowledge, Landlord has complied and shall comply with all laws with respect to the Property. No asbestos-containing thermal insulation or products containing PCB, formaldehyde, chlordane, or heptachlor or other hazardous materials have been placed on or in the Property

by Landlord or, to the knowledge of Landlord, by any prior owner or user of the Property. There has been no release of or contamination by hazardous materials on the Property by Landlord, or to the knowledge of Landlord, any prior owner or user of the Property.

(e) Tenant shall have access to all utilities required for the operation of Tenant's improvements on the Premises that are existing on the Property.

(f) Landlord warrants and represents that there currently exist no licenses, sublicenses, or other agreements, written or oral, granting to any party or parties the right of use or occupancy of any portion of the Property; there are no outstanding options or rights of first refusal to purchase the Property or any portion thereof or interest therein, or any equity or interest in Landlord if Landlord is an entity; and there are no parties (other than Landlord) in possession of the Property except as to those that may have been disclosed to Tenant in writing prior to the execution hereof.

10. HOLD OVER TENANCY. Should Tenant or any assignee, sublessee or licensee of Tenant hold over the Premises or any part thereof after the expiration of this Agreement, such holdover shall constitute and be construed as a tenancy from month-to-month only, but otherwise upon the same terms and conditions.

11. INDEMNITIES. Each party agrees to indemnify, defend and hold harmless the other party, its parent company or other affiliates, successors, assigns, officers, directors, shareholders, managers, members, agents and employees (collectively, "**Indemnified Persons**") from and against all claims, actions, judgments, damages, liabilities, losses, expenses and costs (including, without limitation, reasonable attorneys' fees and court costs) (collectively, "**Losses**") caused by or arising out of (a) such party's breach of any of its obligations, covenants, representations or warranties contained herein, or (b) such party's acts or omissions with regard to this Agreement; provided, however, in no event shall a party indemnify the other party for any such Losses to the extent arising from the gross negligence or willful misconduct of the party seeking indemnification. However, in the event of an Indemnified Person's contributory negligence or other fault, the Indemnified Person shall not be indemnified hereunder to the extent that the Indemnified Person's negligence or other fault caused such Losses. Tenant will indemnify Landlord from and against any mechanic's liens or liens of contractors and subcontractors engaged by or through Tenant.

12. WAIVERS.

(a) Landlord hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Communications Facilities or any portion thereof, regardless of whether or not such is deemed real or personal property under applicable laws. Landlord will not assert any claim whatsoever against Tenant for loss of anticipatory profits or any other indirect, special, incidental or consequential damages incurred by Landlord as a result of the construction, maintenance, operation or use of the Premises by Tenant.

(b) EACH PARTY HERETO WAIVES ANY AND ALL CLAIMS AGAINST THE OTHER FOR ANY LOSS, COST, DAMAGE, EXPENSE, INJURY OR OTHER LIABILITY WHICH IS IN THE NATURE OF INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES WHICH ARE SUFFERED OR INCURRED AS THE RESULT OF, ARISE OUT OF, OR ARE IN ANY WAY CONNECTED TO THE PERFORMANCE OF THE OBLIGATIONS UNDER THIS AGREEMENT.

13. INSURANCE. Tenant shall insure against property damage and bodily injury arising by reason of occurrences on or about the Premises in the amount of not less than [REDACTED] The insurance coverage

provided for herein may be maintained pursuant to master policies of insurance covering other communication facilities of Tenant and its corporate affiliates. All insurance policies required to be maintained by Tenant hereunder shall be with responsible insurance companies, authorized to do business in the State or Commonwealth where the Premises are located if required by law, and shall provide for cancellation only upon ten (10) days' prior written notice to Landlord. Tenant shall evidence such insurance coverage by delivering to Landlord, if requested, a copy of a certificate of insurance of such policies issued by the insurance companies underwriting such risks.

14. INTERFERENCE. During the Option Period and the Term, Landlord, its successors and assigns, will not grant any ground lease, license, or easement with respect to the Property (outside of the Premises) and any property adjacent or contiguous to the Property or in the immediate vicinity of the Property that is fee owned by Landlord: (a) for any of the uses contemplated in Section 5 herein; or (b) if such lease, license, or easement would detrimentally impact the Communications Facilities or Tenant's economic opportunities at the Premises, or the use thereof. Landlord shall not cause or permit the construction of communications or broadcast towers or structures, fiber optic backhaul facilities, or satellite facilities on the Property or on any other property of Landlord adjacent or contiguous to or in the immediate vicinity of the Property, except for the Communications Facilities constructed by Tenant. Landlord and Tenant intend by this Agreement for Tenant (and persons deriving rights by, through, or under Tenant) to be the sole parties to market, use, or sublease any portion of the Property for Communications Facilities during the Option Period and the Term. Landlord agrees that this restriction on the use of the Property is commercially reasonable, not an undue burden on Landlord, not injurious to the public interest, and shall be specifically enforceable by Tenant (and persons deriving rights by, through or under Tenant) in a court of competent jurisdiction. The foregoing restriction shall run with the land and be binding on the successors and assigns of Landlord.

15. RIGHT OF FIRST REFUSAL. In the event Landlord determines to sell, transfer, license or otherwise convey any interest, whether fee simple interest, easement interest, leasehold, or otherwise, and whether direct or indirect by way of transfer of ownership interests in Landlord if Landlord is an entity, which interest underlies or affects any or all of the Premises (the "**ROFR Property**") to any third party that is a Third Party Competitor (as defined below), Landlord shall offer Tenant a right of first refusal to purchase the Premises (or such larger portion of the Property that encompasses the Premises, if applicable). For purposes herein, a "**Third Party Competitor**" is any person or entity directly or indirectly engaged in the business of owning, acquiring, operating, managing, investing in or leasing communications infrastructure or any person or entity directly or indirectly engaged in the business of owning, acquiring, or investing in real property leases or easements underlying communications infrastructure. In such event, Landlord shall send a written notice to Tenant in accordance with Section 29 below that shall contain an offer to Tenant of a right of first refusal to purchase the ROFR Property, together with a copy of any offer to purchase, or any executed purchase agreement or letter of intent (each, an "**Offer**"), which copy shall include, at a minimum, the purchase price or acquisition price, proposed closing date, and financing terms (collectively, the "**Minimum Terms**"). Within thirty (30) days of receipt of such Offer, Tenant shall provide written notice to Landlord of Tenant's election to purchase the ROFR Property on the same Minimum Terms, provided: (a) the closing date shall be no sooner than sixty (60) days after Tenant's purchase election notice; (b) given Landlord's direct relationship and access to Tenant, Tenant shall not be responsible for payment of any broker fees associated with an exercise of Tenant's rights to acquire the ROFR Property; and, (c) Tenant shall not be required to match any components of the purchase price which are speculative or incalculable at the time of the Offer. In such event, Landlord agrees to sell the ROFR Property to Tenant subject to Tenant's payment of the purchase price and compliance with a purchase and sale agreement to be negotiated in good faith between Landlord and Tenant. If Tenant provides written notice that it does not elect to exercise its right of first refusal to purchase the ROFR Property, or if Tenant does not provide notice of its election within the thirty (30) day period, Tenant shall be deemed to have

waived such right of first refusal only with respect to the specific Offer presented (and any subsequent Offers shall again be subject to Tenant's continuing right of first refusal hereunder), and Landlord shall be permitted to consummate the sale of the ROFR Property in accordance with the strict terms of the Offer ("**Permitted Sale**"). If Landlord does not consummate the Permitted Sale within ninety (90) days of the date of Tenant's waiver of its right of first refusal, including if the Minimum Terms are modified between Landlord and the Third Party Competitor, Landlord shall be required to reissue a New Offer to Tenant.

16. SECURITY. The parties recognize and agree that Tenant shall have the right to safeguard and protect its improvements located upon or within the Premises. Consequently, Tenant may elect, at its expense, to construct such enclosures and/or fences as Tenant reasonably determines to be necessary to secure the Communications Facilities. Tenant may also undertake any other appropriate means to restrict access to the Communications Facilities including, without limitation, if applicable, installing security systems, locks and posting signs for security purposes and as may otherwise be required by law.

17. FORCE MAJEURE. The time for performance by Landlord or Tenant of any term, provision, or covenant of this Agreement shall be deemed extended by time lost due to delays resulting from acts of God, strikes, civil riots, floods, pandemics, material or labor restrictions by governmental authority, government shutdowns, quarantines, and/or other disease control measures and any other cause not within the control of Landlord or Tenant, as the case may be.

18. CONDEMNATION; CASUALTY.

(a) In the event Landlord receives any notice of any condemnation proceedings, or other proceedings in the nature of eminent domain related to the Property or the Premises, it will forthwith send a copy of such notice to Tenant. If all or any part of the Premises is taken by eminent domain, Tenant may, upon written notice to Landlord, elect to terminate this Agreement, whereupon neither party shall have any further liability or obligation hereunder. Notwithstanding any provision of this Agreement to the contrary, in the event of condemnation of all or any part of the Premises, Landlord and Tenant shall be entitled to separate awards with respect to the Premises, in the amount determined by the court conducting such condemnation proceedings based upon Landlord's and Tenant's respective interests in the Premises. If a separate condemnation award is not determined by such court, Landlord shall permit Tenant to participate in the allocation and distribution of the award. In no event shall the condemnation award to Landlord exceed the unimproved value of the Premises, without taking into account the improvements located thereon.

(b) In case of damage to the Premises or the Communications Facilities by fire or other casualty, Landlord shall, at its expense, cause any damage to the Property (excluding the Communications Facilities) to be repaired to a condition as nearly as practicable to that existing prior to the damage, with reasonable speed and diligence, subject to delays which may arise by reason of adjustment of loss under insurance policies, governmental regulations, and for delays beyond the control of Landlord, including a force majeure. Landlord shall coordinate with Tenant as to the completion of Landlord's work to restore the Property so as not to adversely impact Tenant's use of the Premises and the Communications Facilities. Landlord shall not be liable for any inconvenience or annoyance to Tenant, or injury to Tenant's business or for any consequential damages resulting in any way from such damage or the repair thereof, except to the extent and for the time that the Communications Facilities or the Premises are thereby rendered unusable for Tenant's intended purpose the Rent shall proportionately abate. In the event the damage shall be so extensive that Tenant shall decide, in its sole discretion, not to repair or rebuild the Communications Facilities, or if the casualty shall not be of a type insured against under standard fire policies with extended type coverage, or if the holder of any mortgage, deed of trust or similar security interest covering the Communications Facilities shall not permit the application of adequate insurance proceeds for repair or

restoration, this Agreement shall, at the sole option of Tenant, exercisable by written notice to Landlord, be terminated as of the date of such casualty, and the obligation to pay Rent (taking into account any abatement as aforesaid) shall cease as of the termination date and Tenant shall thereupon promptly vacate the Premises.

19. DEFAULT. The failure of Tenant or Landlord to perform any of the covenants of this Agreement shall constitute a default. The non-defaulting party shall give the other written notice of such default, and the defaulting party shall cure such default within thirty (30) days after receipt of such notice. In the event any such default cannot reasonably be cured within such thirty (30) day period, if the defaulting party shall proceed promptly after the receipt of such notice to cure such default, and shall pursue curing such default with due diligence, the time for curing shall be extended for such period of time as may be necessary to complete such curing, however, in no event shall this extension of time be in excess of sixty (60) days, unless agreed upon by the non-defaulting party.

20. REMEDIES. Should the defaulting party fail to cure a default under this Agreement, the other party shall have all remedies available either at law or in equity, and the right to terminate this Agreement. In the event Landlord elects to terminate this Agreement due to a default by Tenant (which remains uncured by Lender), Landlord shall continue to honor all sublease and license commitments made by Tenant through the expiration of the term of any such commitment and shall be entitled to collect and retain the rents or license fees associated with such subleases or license commitments, it being intended hereby that each such commitment shall survive the early termination of this Agreement.

21. ATTORNEYS' FEES. If there is any legal proceeding between Landlord and Tenant arising from or based on this Agreement, the unsuccessful party to such action or proceeding shall pay to the prevailing party all costs and expenses, including, without limitation, reasonable attorneys' fees and disbursements, incurred by such prevailing party in such action or proceeding and in any appeal in connection therewith. If such prevailing party recovers a judgment in any such action, proceeding or appeal, such costs, expenses and attorneys' fees and disbursements shall be included in and as a part of such judgment.

22. ADDITIONAL TERMINATION RIGHT. If at any time during the Term, Tenant determines, in Tenant's sole and absolute discretion, with or without cause, that the Premises is no longer suitable or desirable for Tenant's intended use and/or purposes, Tenant shall have the right to terminate this Agreement upon sixty (60) days prior written notice to Landlord.

23. PRIOR AGREEMENTS. The parties hereby covenant, recognize and agree that the terms and provisions of this Agreement shall constitute the sole embodiment of the arrangement between the parties with regard to the Premises, and that all other written or unwritten agreements, contracts, or leases by and between the parties with regard to the Premises are hereby terminated, superseded and replaced by the terms hereof.

24. SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT. In the event the Property is encumbered by a mortgage or deed of trust or other security instrument of any kind (a "**Landlord Mortgage**"), Landlord, within fifteen (15) days following Tenant's request or immediately prior to the creation of any encumbrance created after the date this Agreement is fully executed, will obtain from the holder of each such Landlord Mortgage a fully-executed subordination, non-disturbance and attornment agreement (an "**SNDA**") in recordable form, which shall be prepared or approved by Tenant. The holder of every such Landlord Mortgage shall, in the SNDA, agree that in the event of a foreclosure, or conveyance in lieu of foreclosure of Landlord's interest in the Premises, such Landlord Mortgage holder shall recognize and confirm the validity and existence of this Agreement, not disturb the tenancy of Tenant (and its customers, subtenants, and licensees) and Tenant (and its customers, subtenants, and licensees) shall have

the right to continue its use and occupancy of the Premises in accordance with the provisions of this Agreement, provided Tenant is not in default of this Agreement beyond applicable notice and cure periods.

25. LENDER'S RIGHTS.

(a) Landlord agrees to recognize the subleases and licenses of all subtenants and licensees and will permit each of them to remain in occupancy of its premises notwithstanding any default hereunder by Tenant so long as each such respective subtenant or licensee is not in default under the lease/license covering its premises. Landlord agrees to execute such documents as any such subtenant and/or licensee might reasonably require, including customary subordination, non-disturbance and attornment agreements and/or Landlord recognition agreements, to further memorialize the foregoing, and further agrees to use Landlord's best efforts to also cause its lenders to similarly acknowledge, in writing, subtenant's and licensee's right to continue to occupy its premises as provided above.

(b) Tenant shall have the right from time to time to mortgage or otherwise encumber Tenant's interest in this Agreement, the Communications Facilities and/or leasehold estate in the Premises (a "**Tenant Mortgage**") and Landlord consents to the granting by Tenant of a lien and security interest in Tenant's interest in this Agreement and/or leasehold estate of the Premises and all of Tenant's personal property and fixtures attached to the real property described herein, and furthermore consents to the exercise by any such lender of Tenant ("**Lender**") of its rights of foreclosure with respect to its lien and security interest. Landlord agrees to recognize Lender as Tenant hereunder upon any such exercise by Lender of its rights of foreclosure. The term "**Lender**" as used in this Agreement shall mean the lender identified in Section 29 hereof and its successors, assigns, designees or nominees.

(c) Landlord hereby agrees to give Lender written notice of any breach or default of Tenant of the terms of this Agreement within fifteen (15) days after the occurrence thereof at the address set forth in Section 29. Landlord further agrees that no default under this Agreement by Tenant shall be deemed to have occurred unless such notice to Lender is also given and that, in the event of any such breach or default under the terms of this Agreement, Lender shall have the right, to the same extent, for the same period and with the same effect, as Tenant, plus an additional ninety (90) days after any applicable grace period to cure or correct any such default.

(d) Landlord acknowledges that nothing contained herein shall be deemed or construed to obligate Lender to take any action hereunder, or to perform or discharge any obligation, duty or liability of Tenant under this Agreement. Lender shall not become liable under the provisions of this Agreement or any lease executed pursuant to Section 26 hereof unless and until such time as it becomes, and then only for as long as it remains, the owner of the leasehold estate created hereby or thereby.

(e) This Agreement shall not be amended or modified without the consent of Lender. In the event that Lender shall become the owner of such leasehold estate, Lender shall not be bound by any modification or amendment of this Agreement made subsequent to the date of a Tenant Mortgage unless Lender shall have consented to such modification or amendment at the time it was made.

26. RIGHT TO NEW LEASE.

(a) In the case of termination of this Agreement for any reason, or in the event this Agreement is rejected or disaffirmed pursuant to any bankruptcy, insolvency or other law affecting creditor's rights, Landlord shall give prompt notice thereof to Lender at the address set forth in Section 29 or as may be provided to Landlord by Tenant following the Commencement Date. Thereafter, Landlord, upon written request of Lender, and within thirty (30) days after the receipt of such request, shall promptly execute and

deliver a new lease of the Premises and assignment of all subleases and licenses to Lender or its designee or nominee, for the remainder of the Term upon all the covenants, conditions, limitations and agreements contained herein (including, without limitation, options to extend the Term) except for such provisions which must be modified to reflect such termination, rejection or disaffirmance and the passage of time, provided that Lender (i) shall pay to Landlord, simultaneously with the delivery of such new lease, all unpaid rent due under this Agreement up to and including the date of the commencement of the term of such new lease and all reasonable expenses, including, without limitation, reasonable attorneys' fees and disbursements and court costs, incurred by Landlord in connection with the default by Tenant, the termination of this Agreement and the preparation of the new lease, and (ii) shall cure all defaults existing under this Agreement which are susceptible to being cured by Lender promptly and with due diligence after the delivery of such new lease. Notwithstanding anything to the contrary contained herein, provided Lender shall have otherwise complied with the provisions of this Section, Lender shall have no obligation to cure any defaults which are not susceptible to being cured by Lender (for example, the bankruptcy of Tenant).

(b) For so long as Lender shall have the right to enter into a new lease with Landlord pursuant to this Section, Landlord shall not enter into a new lease of the Premises with any person or entity other than Lender, without the prior written consent of Lender.

27. ADDITIONAL PROVISIONS.

(a) The parties hereto agree that (i) Tenant is in possession of the Premises notwithstanding the fact that Tenant has subleased or licensed, or may in the future sublease or license, certain of the improvements thereon or portions of the Premises to third parties, and (ii) the requirements of Section 365(h) of Title 11 of the United States Code (the Bankruptcy Code) with respect to Tenant's possession of the leasehold under this Agreement are satisfied. Accordingly, the right of Tenant to remain in possession of the leasehold under this Agreement shall continue notwithstanding any rejection of this Agreement in any bankruptcy proceeding involving Landlord, or any other actions by any party in such a proceeding. This provision, while included in this Agreement, has been separately negotiated and shall constitute a separate contract between the parties as well as a part of this Agreement. The provisions of this Section are for the benefit of Tenant and its assigns, including, without limitation, Lender. The parties hereto also agree that Lender is a party in interest and shall have the right to appear as a party in any proceeding brought under any bankruptcy law or under any other law which may affect this Agreement.

(b) The provisions of Section 25 and Section 26 hereof shall survive the termination, rejection or disaffirmance of this Agreement and shall continue in full force and effect thereafter to the same extent as if such Sections were a separate and independent contract made by Landlord, Tenant and Lender and, from the effective date of such termination, rejection or disaffirmance of this Agreement to the date of execution and delivery of such new lease, Lender may use and enjoy the leasehold estate created by this Agreement without hindrance by Landlord. The aforesaid agreement of Landlord to enter into a new lease with Lender shall be deemed a separate agreement between Landlord and Lender, separate and apart from this Agreement as well as a part of this Agreement, and shall be unaffected by the rejection of this Agreement in any bankruptcy proceeding by any party.

(c) Landlord shall have no right, and expressly waives any right arising under applicable law, in and to the rentals or other fees payable to Tenant, if any, under any sublease or license of the Premises by Tenant, which rentals or fees may be assigned by Tenant to Lender.

(d) If a Tenant Mortgage is in effect, this Agreement shall not be modified or amended by the parties hereto, or terminated or surrendered by Tenant, nor shall Landlord accept any such termination or surrender of this Agreement by Tenant, without the prior written consent of Lender.

(e) The provisions of Section 25 and Section 26 hereof are for the benefit of Lender and may be relied upon and shall be enforceable by Lender as if Lender were a party to this Agreement.

(f) Landlord shall, within ten (10) days of the request of Tenant or any Lender or prospective Lender, provide an estoppel certificate as to any matters reasonably requested by Tenant or Lender.

(g) The right to extend or renew this Agreement and any right of first refusal to purchase the Premises may be exercisable by the holder of a Tenant Mortgage and, before the expiration of any periods to exercise such a right, Landlord must provide to Lender at least thirty (30) days prior written notice before the expiration of the right to so extend or renew in order to extinguish Lender's right to so extend, renew or purchase.

(h) Under no circumstances shall the fee estate of Landlord and the leasehold estate created hereby merge, even though owned by the same party, without the written consent of the holder of a Tenant Mortgage.

28. QUIET ENJOYMENT. So long as Tenant is not in default under this Agreement beyond the applicable notice and cure period, Landlord covenants and agrees that Tenant shall peaceably and quietly hold and enjoy the Premises throughout the Term, without any hindrance, molestation or ejection by Landlord, its successors or assigns or by those claiming by, through or under them.

29. NOTICES. All notices, requests, claims, demands, and other communications hereunder shall be in writing and may be hand delivered (provided the deliverer provides proof of delivery) or sent by nationally established overnight courier that provides proof of delivery, or certified or registered mail (postage prepaid, return receipt requested). Notice shall be deemed received on the date of delivery as demonstrated by the receipt of delivery. Notices shall be delivered to a party at the party's respective address below, or to such other address that a party below may provide from time to time:

If to Landlord:

Robert Gordon Chasteen
4744 Copper Creek Rd
Berea, Kentucky 40403

If to Tenant:

The Towers, LLC
750 Park of Commerce Drive,
Suite 200
Boca Raton, Florida 33487
Ref: US-KY-5210
Attn: VP Asset Management

If to Lender:

Toronto Dominion (Texas) LLC
31 West 52nd Street
New York, NY 10019
Attn: Admin Agent
[REDACTED]

With a copy to: General Counsel

30. MISCELLANEOUS.

(a) Each party hereto warrants and represents that it has the necessary power and authority to enter into and perform its respective obligations under this Agreement.

(b) If any term of this Agreement is found to be void or invalid, such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.

(c) All attached exhibits are hereby incorporated by this reference as if fully set forth herein.

(d) Failure of a party to insist on strict performance of any of the conditions or provisions of this Agreement, or failure to exercise any of a party's rights hereunder, shall not waive such rights.

(e) This Agreement shall be governed by and construed in accordance with the laws of the State or Commonwealth in which the Premises are located.

(f) This Agreement constitutes the entire agreement and understanding of the parties and supersedes all offers, negotiations, other leases and/or agreements with regard to the Premises. There are no representations or understandings of any kind not set forth herein. Any amendment to this Agreement must be in writing and executed by both parties.

(g) This Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.

(h) A short-form Memorandum of Option to Lease (and a short-form Memorandum of Lease in the event Tenant exercises its option to lease the Premises) may be recorded at Landlord's or Tenant's option in the form as depicted in **Exhibit 3** and **Exhibit 4**, respectively, attached hereto. In addition, Tenant's subtenants and licensees shall have the right to record a memorandum of its sublease or license with Tenant.

(i) Landlord shall keep the terms of this Agreement confidential and shall not disclose any terms contained within this Agreement to any third party other than such terms as are set forth in the Memorandum of Option to Lease or Memorandum of Lease.

SIGNATURES BEGIN ON NEXT PAGE

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the Effective Date (date last signed by a party hereto).

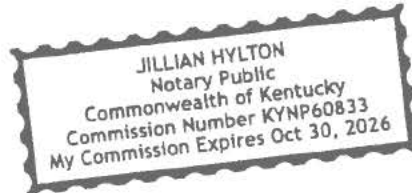
WITNESSES: <u>Lucas Chasteen</u> Name: <u>Lucas Chasteen</u> Name: _____	LANDLORD: <u>Robert Chasteen</u> Robert Gordon Chasteen Date: <u>10/14/24</u>
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STATE OF Kentucky
COUNTY OF Madison




The foregoing instrument was acknowledged before me this
20 24 by Robert Gordon Chasteen.

October 14

Jillian Hylton
Notary Public
Print Name: Jillian Hylton
My Commission Expires: 10/30/2026



(Tenant signature page to Option and Lease Agreement)

WITNESSES:  Name: <u>Edward Davis</u>  Name: <u>Janette Castillo</u>	TENANT: The Towers, LLC a Delaware limited liability company By:  Name: <u>Tim Tuck</u> Vice President - Lease Administration Title: _____ Date: <u>10/25/24</u>
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STATE OF FLORIDA

Leasing Ops ^{DS} LG

COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this October 25th, 2024 by Tim Tuck (name of signatory), VP LEASE ADMIN (title of signatory) of The Towers, LLC, a Delaware limited liability company, on behalf of the company.


Notary Public

Print Name: Jeanne M Bruning

My Commission Expires: 4/20/28

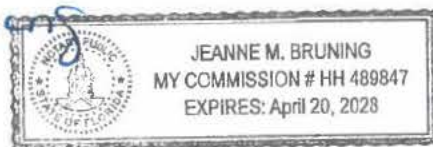


EXHIBIT 1

Legal Description of the Property (Parent Parcel)

(may be updated by Tenant upon receipt of final legal description from title)

The following described real property located in Garrard County, Kentucky more particularly bounded and described as follows:

Beginning at a stake in the Lancaster and Mt. Vernon Road, also being a corner of Oscar Chasteen; thence with Oscar Chasteen's line South 57 West 27 1/8 poles to Ed Wilmot's line; thence with Ed Wilmot's line South 14 East 58 poles to a stake on the bank of Copper Creek; thence with the meanders of said creek South 88 East 41 poles to a stake in the Lancaster and Mt. Vernon Road; thence with said road North 5 West 10 poles 15 links to a stake; thence North 31 1/2 West 50 poles 14 links to a stake; thence North 27 West 14 poles to the point of beginning, containing twenty (20) acres more or less.

PARCEL ID: 71-14

This being the same property conveyed to Robert Gordon Chasteen, in a deed from Patsy Chasteen, dated 8/17/2009 and recorded 8/28/2009, in book D255 page 660 as Instrument No. 00101070.

EXHIBIT 2

Premises

(below may be replaced with a final survey and legal description of the Premises)

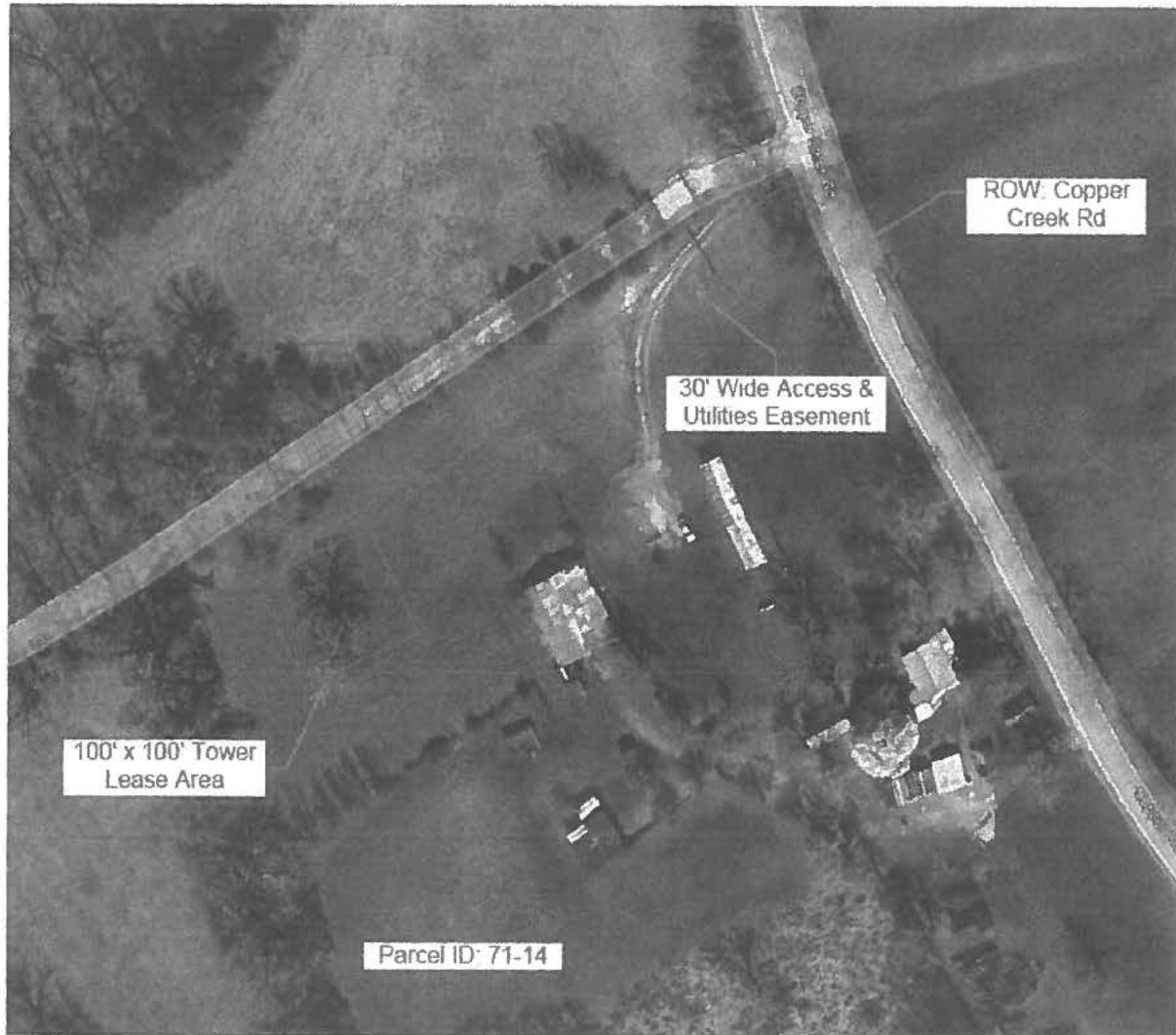


EXHIBIT J

**NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE**

Brindle Ridge – Notice List

71-14

CHASTEEN ROBERT GORDON
4744 COPPER CREEK RD
BEREA KY 40403

71-12.06

PINGLETON FRED & VICKIE
2804 COPPER CREEK RD
BEREA KY 40403

71-12

COLLINS ZACHERY A & TAYLOR MARIAH T
17 HERON LANDING PLACE
RICHMOND KY 40475

71-12.03

KING ERIC & AIMEE
305 MAYWOOD RD
STANFORD KY 40484

019-00-031

KIDWELL LARRY
5761 COPPER CREEK RD
CRAB ORCHARD, KY 40419

030-00-009.02

COPPER CREEK CEMETERY
MT VERNON, KY 40456

030-00-009.01

RICHARDSON CLYDE
114 BASH AVENUE
SOMERSET, KY 42501

Garrard County, KY PVA

Summary

Parcel Number 71 14
Account Number 14020
Location Address COPPER CREEK RD 4744
Description (Note: Not to be used on legal documents)
Class Farm
Tax District Cartersville/PaintLick (District 04)
Tax Rate 1.0243

[View Map](#)



Owner

CHASTEEN ROBERT GORDON
4744 COPPER CREEK RD
BEREA KY 40403-

Land Characteristics

Condition	Good/Average	Flood Plane	No
Plat Book/Page		Zoning	
Subdivision		Electricity	No
Lot		Water	No
Block		Gas	No
Acres	20	Sewer	No
Frontage	0		
Depth	0		
Lot Size			
Lot Sq Ft	0		

Valuation

Assessed Year	2025	2024	2023	2022
+ Land Value	\$10,000	\$10,000	\$10,000	\$10,000
+ Improvement Value	\$20,000	\$20,000	\$20,000	\$20,000
+ Ag Improvement Value	\$0	\$0	\$0	\$0
Total Taxable Value	\$30,000	\$30,000	\$30,000	\$30,000
- Exemption Value	(\$0)	(\$0)	(\$0)	(\$0)
Net Taxable Value	\$30,000	\$30,000	\$30,000	\$30,000
+ Land FCV	\$45,000	\$45,000	\$45,000	\$45,000
+ Improvement FCV	\$15,000	\$15,000	\$15,000	\$15,000
+ Ag Improvement FCV	\$0	\$0	\$0	\$0
= Total FCV	\$60,000	\$60,000	\$60,000	\$60,000

Improvement Information

Basement Percentage
Basement Walkout
Basement Sq ft 0
Bedrooms 3
Building Type
Central Air Other
Central Heating
Dining Rooms 0
Exterior
Family Den Rec 1
Fireplaces
Foundation Concrete Block
Full Bathrooms 1
Garage
Garage Exterior
Garage Sq ft 0
Half Bathrooms 0
Living Sq ft 0
Mobile Home Make
Mobile Home Size
Mobile Home VIN
Number Of Stories 0.00
Paved Driveway N
Pool N

Sq ft Porch 0
Total Rooms 0
Year Built 0
Condition Good/Average
Description
Floor
Improvement No. 1
Structure Type 1 1/2 Story
Roof Material Comp.Shingles
Roof Type Gable
Structure Comments Improvement Value: 20,000.00
Structure Type RESIDENCE

Sale Information

Sale Date	Sale Price	Deed Book/Page	Sale Qualification	Sale Code
8/17/2009	\$0	255-660	False	B
	\$0	124-036	False	

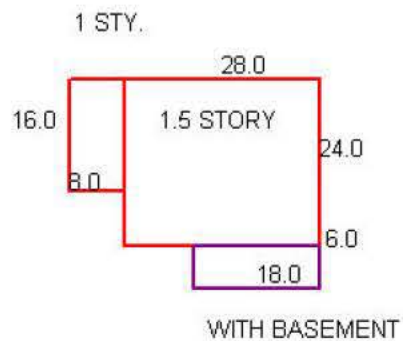
Photos



Sketches

Sketch Summary

LivingArea=1472.00
Porch=108.00



Recent Sales In Area

Sale date range:

From: 03/28/2022

To: 03/28/2025

Sales by Area

Distance:

1500

Feet



Sales by Distance

Map



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GEOSPATIAL

Garrard County, KY PVA

Summary

Parcel Number 71 12.06
Account Number 22520
Location Address COPPER CREEK RD
Description TR A 1 12.65 AC
(Note: Not to be used on legal documents)
Class Farm
Tax District Cartersville/PaintLick (District 04)
Tax Rate 1.0243

[View Map](#)

Owner

PINGLETON FRED & VICKIE
 2804 COPPER CREEK RD
 BERA KY 40403

Land Characteristics

Condition		Flood Plane	No
Plat Book/Page		Zoning	
Subdivision		Electricity	No
Lot		Water	No
Block		Gas	No
Acres	0	Sewer	No
Frontage	0		
Depth	0		
Lot Size			
Lot Sq Ft	0		

Valuation

Assessed Year	2025	2024	2023	2022
+ Land Value	\$10,000	\$10,000	\$12,000	\$12,000
+ Improvement Value	\$0	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$0	\$0	\$0
= Total Taxable Value	\$10,000	\$10,000	\$12,000	\$12,000
Exemption Value	(\$0)	(\$0)	(\$0)	(\$0)
= Net Taxable Value	\$10,000	\$10,000	\$12,000	\$12,000
+ Land FCV	\$36,000	\$36,000	\$36,000	\$36,000
+ Improvement FCV	\$0	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$0	\$0	\$0
Total FCV	\$36,000	\$36,000	\$36,000	\$36,000

Improvement Information

Basement Percentage		Sq ft Porch	0
Basement		Total Rooms	0
Basement Sq ft	0	Year Built	0000
Bedrooms	0	Condition	
Building Type		Description	TRA 1 12.65 AC
Central Air		Floor	
Central Heating		Improvement No.	
Dining Rooms	0	Structure Type	
Exterior		Roof Material	
Family Den Rec	0	Roof Type	
Fireplaces		Structure Comments	
Foundation		Structure Type	
Full Bathrooms	0		
Garage			
Garage Exterior			
Garage Sq ft	0		
Half Bathrooms	0		
Living Sq ft	0		
Mobile Home Make			
Mobile Home Size			
Mobile Home VIN			
Number Of Stories			
Paved Driveway	N		
Pool	N		

Sale Information

Sale Date	Sale Price	Deed Book/Page	Sale Qualification	Sale Code
12/10/2020	\$36,000	306-807	False	A

Recent Sales In Area

Sale date range:

From: 03/28/2022

To: 03/28/2025

Sales by Area

Distance:

1500

Feet



Sales by Distance

Map

No data available for the following modules: Photos, Sketches.

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Garrard County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Tax Rate

71 12

24498

COPPER CREEK RD 4384

LAND

(Note: Not to be used on legal documents)

Farm

Cartersville/PaintLick (District 04)

1.0243

[View Map](#)



Owner

COLLINS ZACHERY A & TAYLOR MARIAH T
17 HERON LANDING PLACE
RICHMOND KY 40475

Land Characteristics

Condition		Flood Plane	No
Plat Book/Page		Zoning	
Subdivision		Electricity	No
Lot		Water	No
Block		Gas	No
Acres	87.192	Sewer	No
Frontage	0		
Depth	0		
Lot Size			
Lot Sq Ft	0		

Valuation

Assessed Year	2025	2024	2023	2022
+ Land Value	\$17,500	\$17,500	\$17,500	\$17,500
+ Improvement Value	\$0	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$0	\$0	\$0
Total Taxable Value	\$17,500	\$17,500	\$17,500	\$17,500
- Exemption Value	(\$0)	(\$0)	(\$0)	(\$0)
Net Taxable Value	\$17,500	\$17,500	\$17,500	\$17,500
+ Land FCV	\$200,000	\$200,000	\$200,000	\$200,000
+ Improvement FCV	\$0	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$0	\$0	\$0
= Total FCV	\$200,000	\$200,000	\$200,000	\$200,000

Improvement Information

Basement Percentage

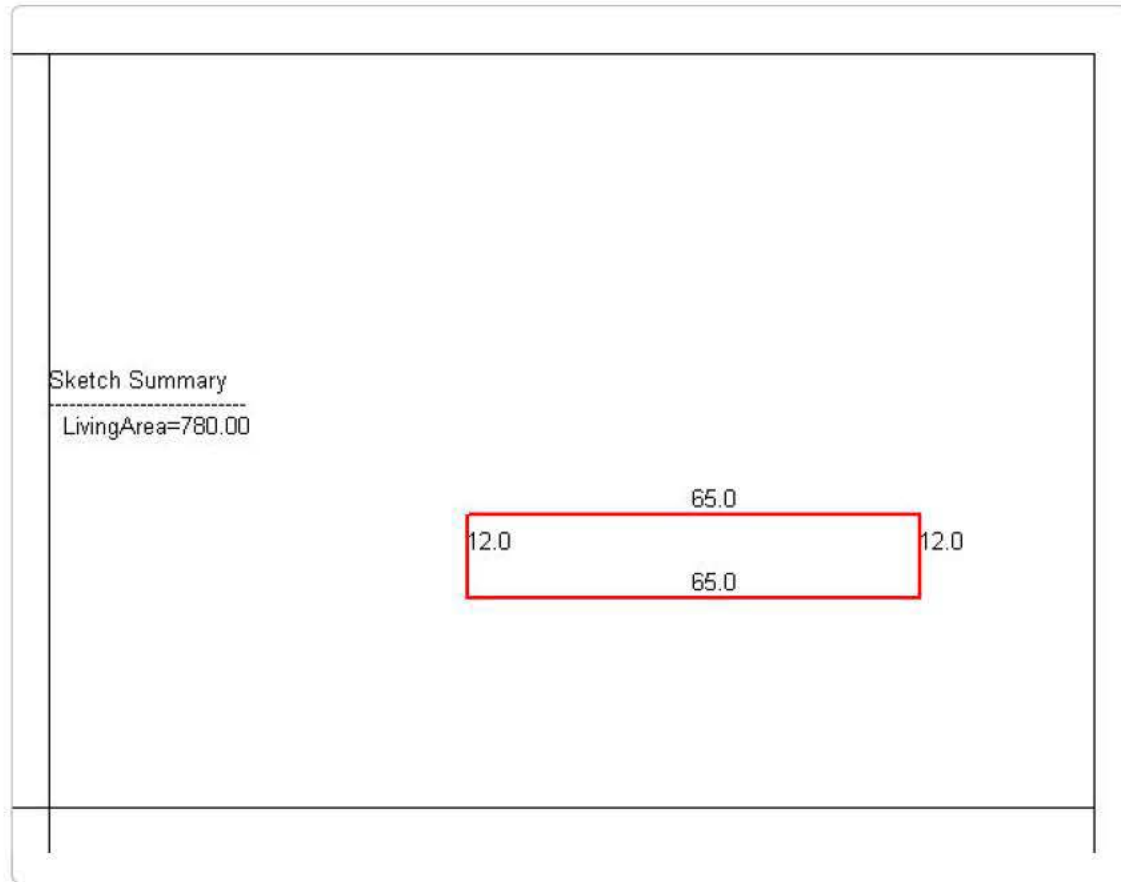
Basement None
 Basement Sq ft 0
 Bedrooms 0
 Building Type
 Central Air Other
 Central Heating Floor Furn
 Dining Rooms 0
 Exterior MH Standard
 Family Den Rec 0
 Fireplaces
 Foundation Post & Pier
 Full Bathrooms 0
 Garage
 Garage Exterior
 Garage Sq ft 0
 Half Bathrooms 0
 Living Sq ft 0
 Mobile Home Make
 Mobile Home Size
 Mobile Home VIN
 Number Of Stories 0.00
 Paved Driveway N
 Pool N

Sq ft Porch 0
 Total Rooms 0
 Year Built 0
 Condition
 Description LAND
 Floor
 Improvement No. 1
 Structure Type
 Roof Material Metal
 Roof Type Gable
 Structure Comments Improvement Value: 0.00
 Structure Type RESIDENCE

Sale Information

Sale Date	Sale Price	Deed Book/Page	Sale Qualification	Sale Code
7/20/2022	\$110,000	317-436	True	Z
7/19/2022	\$110,000	317-429	False	B
11/30/2020	\$60,000	306-520	False	A

Photos**Sketches**

**Recent Sales In Area**

Sale date range:

From: 03/28/2022

To: 03/28/2025

Sales by Area

Distance:

1500

Feet



Sales by Distance

Map

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Garrard County, KY PVA

Summary

Parcel Number	71 12.03
Account Number	25943
Location Address	COPPER CREEK RD
Description	TR 11 & TR 12 81.053 AC
	(Note: Not to be used on legal documents)
Class	Farm
Tax District	Cartersville/PaintLick (District 04)
Tax Rate	1.0243

[View Map](#)

Owner

KING ERIC & AIMEE
305 MAYWOOD RD
STANFORD KY 40484

Land Characteristics

Condition		Flood Plane	No
Plat Book/Page		Zoning	
Subdivision		Electricity	No
Lot		Water	No
Block		Gas	No
Acres	92.68	Sewer	No
Frontage	0		
Depth	0		
Lot Size			
Lot Sq Ft	0		

Valuation

Assessed Year	2025	2024	2023	2022
+ Land Value	\$32,500	\$32,500	\$32,500	\$32,500
+ Improvement Value	\$0	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$0	\$0	\$0
= Total Taxable Value	\$32,500	\$32,500	\$32,500	\$32,500
Exemption Value	(\$0)	(\$0)	(\$0)	(\$0)
= Net Taxable Value	\$32,500	\$32,500	\$32,500	\$32,500
+ Land FCV	\$255,200	\$175,000	\$175,000	\$175,000
+ Improvement FCV	\$0	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$0	\$0	\$0
Total FCV	\$255,200	\$175,000	\$175,000	\$175,000

Improvement Information

Basement Percentage		Sq ft Porch	0
Basement		Total Rooms	0
Basement Sq ft	0	Year Built	0000
Bedrooms	0	Condition	
Building Type		Description	TR 11 & TR 12 81.053 AC
Central Air		Floor	
Central Heating		Improvement No.	
Dining Rooms	0	Structure Type	
Exterior		Roof Material	
Family Den Rec	0	Roof Type	
Fireplaces		Structure Comments	
Foundation		Structure Type	
Full Bathrooms	0		
Garage			
Garage Exterior			
Garage Sq ft	0		
Half Bathrooms	0		
Living Sq ft	0		
Mobile Home Make			
Mobile Home Size			
Mobile Home VIN			
Number Of Stories			
Paved Driveway	N		
Pool	N		

Sale Information

Sale Date	Sale Price	Deed Book/Page	Sale Qualification	Sale Code
8/26/2024	\$255,200	328 001	False	A
5/17/2006	\$0	238 380	False	B

Recent Sales In Area

Sale date range:

From: 03/28/2022

To: 03/28/2025

Sales by Area

Distance: 1500

Feet

▼

Sales by Distance

Map



No data available for the following modules: Photos, Sketches.

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Rockcastle County, KY PVA

Summary

Parcel Number019 00 031

Account Number2993

Location AddressCOPPER CREEK RD 5761

DescriptionHOUSE & 109 ACRES

(Note: Not to be used on legal documents)

ClassFarm

Tax District00 00

Rate Per Thousand8.1880

[View Map](#)



Owner

Primary Owner

[KIDWELL LARRY](#)

5761 COPPER CREEK RD

CRAB ORCHARD, KY 40419

Land Characteristics

Condition	Good	Topography	Rolling
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	109.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	2 Lane
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

Valuation

	2024 Certified	2023 Certified	2022 Certified	2021 Certified	2020 Certified
+ Land Value	\$11,200	\$11,200	\$11,200	\$11,200	\$15,000
+ Improvement Value	\$40,000	\$40,000	\$40,000	\$40,000	\$35,000
+ Ag Improvement Value	\$0	\$0	\$0	\$0	\$0
= Total Taxable Value	\$51,200	\$51,200	\$51,200	\$51,200	\$50,000
- Exemption Value	(\$46,350)	(\$46,350)	(\$40,500)	(\$40,500)	(\$39,300)
= Net Taxable Value	\$4,850	\$4,850	\$10,700	\$10,700	\$10,700
+ Land FCV	\$215,000	\$215,000	\$215,000	\$115,000	\$100,000
+ Improvement FCV	\$40,000	\$40,000	\$40,000	\$40,000	\$35,000
+ Ag Improvement FCV	\$0	\$0	\$0	\$0	\$0
Total FCV	\$255,000	\$255,000	\$255,000	\$155,000	\$135,000
Exemption	HX	HX	HX	HX	HX
Farm Acres	0.00	0.00	0.00	0.00	0.00
Fire Protection Acres	80.00	80.00	80.00	80.00	80.00

Taxes

	2024	2023	2022
Tax	\$41.32	\$41.76	\$89.45

When applicable, City taxes are not included in the calculated taxes as these taxes are billed separately. The Tax Estimator can be used to estimate the total amount owed.

Improvement Information

Building Number	1	Kitchens	1
Description	Residential	Dining Rooms	0
Residence Type	Single Family	Living Rooms	2
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	3
Year Built	1977	Full Baths	1
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure	1 Story	Total Rooms	6
Number of Stories	0	Living Sq Ft	1,072
Exterior	Brick Veneer	Fireplaces/Water	0/0
Foundation	Concrete Block	Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality	Average/Standard	Mobile Home Manufacturer	
Building Condition	Good/Average	MH Skirt Foundation	
Roof Type	Gable	Heat	Yes
Roof Cover	Comp.Shingles	Heat Source	
Roof Pitch		Heat Type	
Basement Type	None	Air Conditioning	No
Basement Finish	Unfinished	AC/Type	None
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport		Sprinklers	No
Garage Size		Porch/Deck	None
Garage Type		Porch Sq Ft	96
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	280	Value	\$40,000.00
Pool		Driveway	Gravel
Pool Size	0	Fence	0
Tennis Courts			

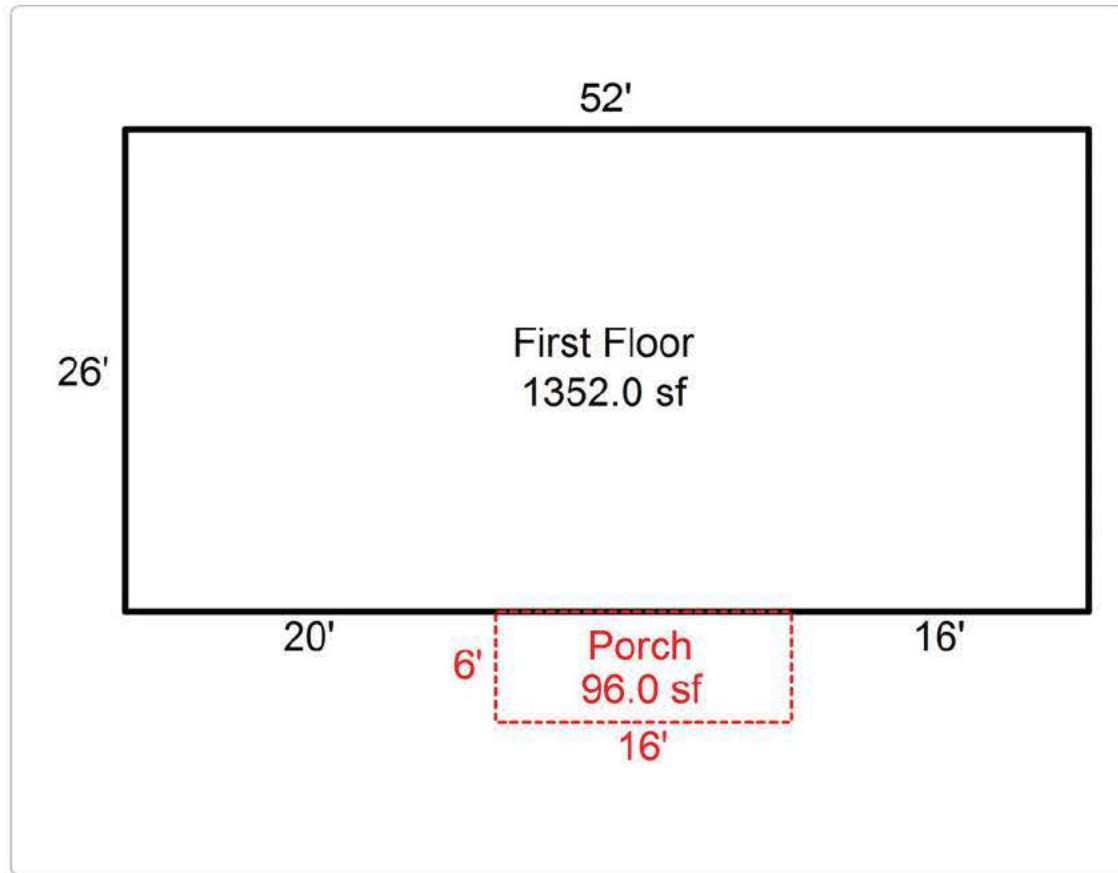
Sale Information

Sale Date ↕	Sale Price ↕	Sale Type ↕	Book-Page ↕	Grantee ↕	Grantor ↕
6/1/2001	\$108,500	Close Relative Sale	185-1	KIDWELL LARRY	LEAR FRED & OTHERS
4/1/1997	\$0		-	LEAR FRED & OTHERS	ELMER & BERNICE KIDWELL

Photos



Sketches



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Rockcastle County, KY PVA

Summary

Parcel Number	030 00 009.02
Account Number	6277
Location Address	COPPER CREEK RD 0
Description	150 X 115
	(Note: Not to be used on legal documents)
Class	Exempt Other
Tax District	00 00
Rate Per Thousand	8.1880

[View Map](#)

Owner

Primary Owner
COPPER CREEK CEMETERY
MT VERNON, KY 40456

Land Characteristics

Condition		Topography	
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0x0	Road	
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

Valuation

	2024 Certified	2023 Certified
+ Land Value	\$1	\$1
+ Improvement Value	\$0	\$0
+ Ag Improvement Value	\$0	\$0
Total Taxable Value	\$1	\$1
Exemption Value	\$0	\$0
Net Taxable Value	\$1	\$1
+ Land FCV	\$0	\$0
+ Improvement FCV	\$0	\$0
+ Ag Improvement FCV	\$0	\$0
= Total FCV	\$0	\$0
Exemption		
Farm Acres	0.00	0.00
Fire Protection Acres	0.00	0.00

No data available for the following modules: Taxes, Improvement Information, Sale Information, Photos, Sketches.

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Developed by
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GEOSPATIAL

Rockcastle County, KY PVA

Summary

Parcel Number

Account Number

Location Address

Description

Class

Tax District

Rate Per Thousand

030 00 009.01

11505

COPPER CREEK RD 0 & SWEETWATER RD

55 ACRES

(Note: Not to be used on legal documents)

Farm

00 00

8.1880

[View Map](#)

Owner

Primary Owner

RICHARDSON CLYDE

114 BASH AVENUE

SOMERSET, KY 42501

Land Characteristics

Condition		Topography	
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0	Road	
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

Valuation

	2024 Certified	2023 Certified	2022 Certified	2021 Certified	2020 Certified
+ Land Value	\$22,000	\$30,000	\$30,000	\$30,000	\$30,000
+ Improvement Value	\$0	\$0	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$0	\$0	\$0	\$0
= Total Taxable Value	\$22,000	\$30,000	\$30,000	\$30,000	\$30,000
- Exemption Value	\$0	\$0	\$0	\$0	\$0
Net Taxable Value	\$22,000	\$30,000	\$30,000	\$30,000	\$30,000
+ Land FCV	\$165,000	\$100,000	\$100,000	\$100,000	\$100,000
+ Improvement FCV	\$0	\$0	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$0	\$0	\$0	\$0
= Total FCV	\$165,000	\$100,000	\$100,000	\$100,000	\$100,000
Exemption					
Farm Acres	0.00	0.00	0.00	0.00	0.00
Fire Protection Acres	0.00	0.00	0.00	0.00	0.00

Taxes

	2024	2023	2022
Tax	\$180.14	\$248.34	\$246.30

When applicable, City taxes are not included in the calculated taxes as these taxes are billed separately. The Tax Estimator can be used to estimate the total amount owed.

Sale Information

Sale Date ↕	Sale Price ↕	Sale Type ↕	Book Page ↕	Grantee ↕	Grantor ↕
11/1/2007	\$0	Partial Sales	249 565	RICHARDSON CLYDE	HAZEL RICHARDSON
11/1/2007	\$0	Partial Sales		HAZEL RICHARDSON	HAZEL RICHARDSON
11/1/2007	\$0	Partial Sales	-	HAZEL RICHARDSON	HAZEL RICHARDSON

No data available for the following modules: Improvement Information, Photos, Sketches.

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9589 0710 5270 1676 7789 48

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Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

CHASTEEN ROBERT GORDON
4744 COPPER CREEK RD
BEREA KY 40403

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7788 94

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Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

COLLINS ZACHERY A &
TAYLOR MARIAH T
17 HERON LANDING PLACE
RICHMOND KY 40475

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

PINGLETON FRED & VICKIE
2804 COPPER CREEK RD
BEREA KY 40403

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7789 17

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Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

KIDWELL LARRY
5761 COPPER CREEK RD
CRAB ORCHARD, KY 40419

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7789 00

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Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

KING ERIC & AIMEE
305 MAYWOOD RD
STANFORD KY 40484

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7788 49

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
Certified Mail Fee \$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage \$	
COPPER CREEK CEMETERY MT VERNON, KY 40456	
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions	

9589 0710 5270 1676 7788 63

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
Certified Mail Fee \$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage \$	
RICHARDSON CLYDE 114 BASH AVENUE SOMERSET, KY 42501	
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions	

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:

KIDWELL LARRY
5761 COPPER CREEK RD
CRAB ORCHARD, KY 40419



9590 9402 7926 2305 8913 10

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7789 17

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

3-31-25

D. Is delivery address different from item 1? ☐ YesIf 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

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:

RICHARDSON CLYDE
114 BASI AVENUE
SOMERSET, KY 42501



9590 9402 7926 2305 8912 80

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7788 63

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

3-31-25

D. Is delivery address different from item 1? ☐ YesIf 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

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:

KING ERIC & AIMEE
305 MAYWOOD RD
STANFORD KY 40484



9590 9402 7926 2305 8913 27

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7789 00

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

3-31-25

D. Is delivery address different from item 1? ☐ YesIf 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

Domestic Return Receipt

Pike
P. O. Box 369
Shepherdsville, KY 40165-0369

CERTIFIED MAIL®



9589 0710 5270 1676 7788 49

FIRST-CLASS



US POSTAGE PITNEY BOWES

ZIP 40165
02 7H
0006034260

\$ 009.64⁰

MAR 28 2025

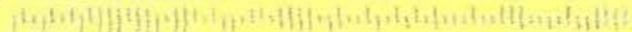
COPPER CREEK CEMETERY
MT VERNON, KY 40456

VAC
40165>0369
4045639999

NIXIE 402 DE 1 0004/06/23

RETURN TO SENDER
VACANT
UNABLE TO FORWARD

SC: 40165034260 *2670-01339-23-46



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

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:

COPPER CREEK CEMETERY
MT VERNON, KY 40456



9590 9402 7926 2305 8913 03

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7788 49

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Pike
P. O. Box 369
Shepherdsville, KY 40165-0369

4/23

LN
3-31

CERTIFIED MAIL®



9589 0710 5270 1676 7788 94

FIRST-CLASS



US POSTAGE PAID PITNEY BOWES

ZIP 40165
02 7H
0006034260 MAR 28 2025
\$ 009.64⁰

COLLINS ZACHERY A &
TAYLOR MARIAH T
17 HERON LANDING PLACE
RICHMOND KY 40475

Insurance _____
1st Notice _____

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES
RETURN TO SENDER
UNCLAIMED
UNABLE TO FORWARD
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

UNL
40165>0369
40475#9531 R003

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

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:

COLLINS ZACHERY A &
TAYLOR MARIAH T
17 HERON LANDING PLACE
RICHMOND KY 40475



9590 9402 7926 2305 8913 34

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7788 94

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input checked="" type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

Domestic Return Receipt

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701676778948

Copy Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 2:00 pm on March 31, 2025 in BERE, KY 40403.

Feedback

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

BERE, KY 40403
March 31, 2025, 2:00 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

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052701676778887

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 1:38 pm on March 31, 2025 in BERE, KY 40403.

Feedback

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

BERE, KY 40403
March 31, 2025, 1:38 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

EXHIBIT K

COPY OF PROPERTY OWNER NOTIFICATION



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Notice of Proposed Construction of Wireless Communications Facility

Dear Landowner:

The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 4744 Copper Creek Road, Berea, KY 40403 (37° 28' 29.42" North latitude, 84° 22' 38.46" West longitude). The proposed facility will include a 255-foot tower with a 10-foot lightning arrestor attached at the top for a total height of 265-feet, plus related ground facilities. This facility is needed to provide improved service 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 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 2025-00100 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 toll free at (800) 516-4293 if you have any comments or questions about this proposal. The Applicants site name is Brindle Ridge.

Sincerely,
David A. Pike
Attorney for Applicants

enclosures



EXHIBIT L

**COPY OF COUNTY JUDGE/EXECUTIVE NOTICE &
PROOF OF NOTICE**



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Hon. Chris Elleman
County Judge Executive
15 Public Square, Suite 3
Lancaster, KY 40444

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2025-00100
Site Name: Brindle Ridge

Dear Judge/Executive:

The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 4744 Copper Creek Road, Berea, KY 40403 (37° 28' 29.42" North latitude, 84° 22' 38.46" West longitude). The proposed facility will include a 255-foot tower with a 10-foot lightning arrestor attached at the top for a total height of 265-feet, plus related ground facilities. This facility is needed to provide improved service 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 2025-00100 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,
David A. Pike
Attorney for Applicants
enclosures



9589 0710 5270 1676 7788 70

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage

Hon. Chris Elleman
 County Judge Executive
 15 Public Square, Suite 3
 Lancaster, KY 40444



PS Form 3800, January 2023 PSN 7530-02-000-9647 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Hon. Chris Elleman
 County Judge Executive
 15 Public Square, Suite 3
 Lancaster, KY 40444



9590 9402 7926 2305 8912 73

2. Article Number (Transfer from service label)

9589 0710 5270 1676 7788 70

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Kristen Akers*

☐ Agent
☐ Addressee

B. Received by (Printed Name)

Kristen Akers

C. Date of Delivery

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

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

EXHIBIT M

**COPY OF POSTED NOTICES,
NEWSPAPER NOTICE ADVERTISEMENT TEAR SHEET
AND AFFIDAVIT**

SITE NAME: BRINDLE RIDGE
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.

The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00100 in your correspondence.

The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00100 in your correspondence.

In April, 1829, James Carrington patented a coffee mill. I was just sitting here wanting a nice, hot cup of coffee. I think coffee is a favorite drink for lots of people, even little girls who just turned 1 year old in Janu-

This is the month that our Mother was born on the 5th and

I can't imagine why it was never taken care of. Mom took us to

A few days ago, Kylee was looking for her cat, Oliver. We found him under her bed. He

those tricks. It has left a really bad pain in our hearts, especially Kaden's. When they get home,

My love and best wishes to
all.

Received after the time established by the Owner will not be accepted. Interested parties are invited to attend.

Proposed Contract Documents may be examined during business hours at:

Garard County Cooperative Extension Office: 1302 Stanford Road, Lancaster, KY
Vanhook Architectural Services - 913 Lancaster Street, Stanford, KY

General Contract bidders may secure copies of the proposed Contract Documents as follows:

Lynn Imaging, Vine Street, Lexington, KY ; plan distribution depart

1. General and sub-contract contract bidders may purchase plan sets of the contract documents at cost, and is non-refundable. A postage and handling fee payable direct to Lynn Imaging, shall be charged on each set of plans issued which are not picked up at the printer's place of business. This fee is non refundable.

2. No partial sets will be issued.

A Pre-Bid Conference will be held at the project site Wednesday, April 16th, 2025 at 3:00 PM EST. All interested bidders should attend this meeting to publicly ask questions and request clarifications of the documents.

Bid security in the amount of 5% of the base bid will be required to accompany bids.

The Owner reserves the right to reject any or all bids and to waive irregularity and any irregularities in the bids and in the bidding process.

(3-27-25)

[illegible]

Judge Executive's Office during regular business hours.

14-3-10a1

NOTICE

The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 4744 Copper Creek Road, Berea, KY 40403 (37° 28' 29.42" North latitude, 84° 22' 38.46" West longitude). The proposed facility will include a 255-foot tower with a 10-foot lightning arrestor attached at the top for a total height of 265-feet, plus related ground facilities. 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 2025-00100 in any correspondence sent in connection with this matter.

14-3-11c2

**Classified Deadline Is 4 p.m.
Monday Week Of Publication**

NOTARIZED PROOF OF PUBLICATION

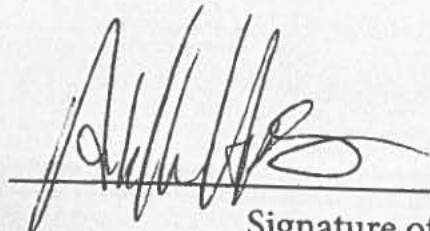
STATE OF KENTUCKY
COUNTY OF GARRARD

Before me, a Notary Public, in and for said County and State, this 3rd day of April, 2025, came Pamela S. Fathergill, personally known to me, who duly sworn, states as follows:

That she is the Advertising Manager of The Garrard Central Record and that said publication of The Garrard Central Record on April 3, 2025, carried advertising for Pike Legal Group, PLLC for The Towers, LLC d/b/a Vertical Bridge and Cellco Partnership d/b/a Verizon Wireless filing Application to construct a new wireless communication facility at 4744 Copper Creek Road, Berea, KY occupying the following classified space of 2 columns x 2.75 inches (5.50 inches) at \$9.50 per column inch for a total of \$52.25 per week.


Signature

April 3, 2025
Date


Signature of Notary Public

4-3-25
Date

My commission expires 1-30-27.

EXHIBIT N

COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

