COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF	)
VB BTS III, LLC, D/B/A VERTICAL BRIDGE AND	)
NEW CINGULAR WIRELESS PCS, LLC	)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC	) CASE NO.: 2025-00180
CONVENIENCE AND NECESSITY TO CONSTRUCT	)
A WIRELESS COMMUNICATIONS FACILITY	)
IN THE COMMONWEALTH OF KENTUCKY	)
IN THE COUNTY OF PERRY	)

SITE NAME: CHAVIES

* * * * * * *

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

VB BTS III, LLC d/b/a Vertical Bridge and New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding, ("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 New Cingular Wireless PCS, LLC with wireless communications services.

In support of this Application, Applicants respectfully provides and states the following information:

1. The complete name and address of the Applicants are: VB BTS III, 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 New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding, having an address of 1025 Lenox Park Blvd NE, 3rd Floor, Atlanta, GA 30319.

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. VB BTS III, LLC d/b/a Vertical Bridge is a limited liability company organized in the State of Delaware. VB BTS III, LLC's Certificate of Good Standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. VB BTS III, 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. New Cingular Wireless PCS, LLC is a limited liability company organized in the State of Delaware on October 20, 1994. New Cingular Wireless PCS, LLC's Certificate of Good standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. New Cingular Wireless PCS, LLC is in good standing in the state in which it is organized and further states that they are authorized to transact business in Kentucky. A copy of the Applicant's Certificate of Authorization issued by the

Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

5. New Cingular Wireless PCS, LLC operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of the Applicant's 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 New Cingular Wireless PCS, LLC's services to an area currently not served or not adequately served by New Cingular Wireless PCS, LLC 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 New Cingular Wireless PCS, LLC's 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 New Cingular Wireless PCS, LLC's 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 on a property located at 264 Hill Drive, Chavies, Kentucky 41727 (37° 20' 43.65" North latitude, 83° 21' 25.79" 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 currently owned by Perry County, Kentucky, Public Properties

Corporation, a Kentucky Corporation, pursuant to a Deed recorded at Deed Book 414, Page 120 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tower, with an approximately 10-foot 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 New Cingular Wireless PCS, LLC's radio electronics equipment and appurtenant equipment. New Cingular Wireless PCS, LLC's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit 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 New Cingular Wireless PCS, LLC 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 New Cingular Wireless PCS, LLC's antennas on an existing structure. When suitable towers or structures exist, New Cingular Wireless PCS, LLC attempts to co-locate on existing structures such as communications towers or other structures capable of supporting New Cingular Wireless PCS, LLC's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

12. An application for a Determination of No Hazard to Air Navigation by the Federal Aviation Administration ("FAA") for the proposed tower is attached as **Exhibit E**. Applicants will supplement the record once the application is approved.

13. An application to the Kentucky Airport Zoning Commission ("KAZC") application is attached as **Exhibit F**. Applicants will supplement the record once the application is approved.

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. VB BTS III, LLC, pursuant to a written agreement, has acquired the option to purchase the site parcel 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 Joshua Sizemore 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 notified every person who, according to the records of the County Property Valuation Administrator, owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt

requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and 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. Perry County PVA records obtained from the County's PVA website on June 3, 2025, are attached as part of **Exhibit J**. These records were used to generate the notice list. The accuracy of these records was verified on June 25, 2025.

23. Ten 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. Six signed United States Postal Service ("USPS") Form 3811 "green cards" have been returned. Copies of the returned "green cards" are attached as a part of **Exhibit J**. One notice letter to Cemetery Johnson was returned undelivered. A copy of the returned letter is attached as part of **Exhibit J**. Three notice letters are "Moving Through Network" according to the 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 J**.

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 and affidavit from the newspaper that includes the notice advertisement are attached as part of **Exhibit M**.

27. The proposed facility is located on government owned property and the general area is rural in character that consists of predominantly heavily wooded undeveloped land.

28. The process that was used by New Cingular Wireless PCS, LLC's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. New Cingular Wireless PCS, LLC's radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was

considered by the Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by New Cingular Wireless PCS, LLC's 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 Entity Documentation & FCC License 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 - FAA

F - Kentucky Airport Zoning Commission

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 and Newspaper Notice Advertisement

N - Copy of Radio Frequency Design Search Area

EXHIBIT A
BUSINESS ENTITY DOCUMENTATION
& FCC LICENSE DOCUMENTATION

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "NEW CINGULAR WIRELESS PCS, 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 TWELFTH DAY OF APRIL, A.D. 2024.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "NEW CINGULAR WIRELESS PCS, LLC" WAS FORMED ON THE TWENTIETH DAY OF OCTOBER, A.D. 1994.

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

2445544 8300

SR# 20241423461

Authentication: 203243800

Date: 04-12-24

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

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: 307635
Visit https://web.sos.ky.gov/ftshow/certvalidate.aspx to authenticate this certificate.

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

NEW CINGULAR WIRELESS PCS, LLC

, a limited liability company authorized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on October 14, 1999.

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 21st day of March, 2024, in the 232nd year of the Commonwealth.

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
307635/0481848

Delaware

The First State

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "VB BTS III, 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 NINTH DAY OF MAY, A.D. 2025.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "VB BTS III, LLC" WAS FORMED ON THE TWELFTH DAY OF MARCH, A.D. 2024.

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

C. B. Sanchez

Charuni Patibanda-Sanchez, Secretary of State

3252190 8300

Authentication: 203651768

SR# 20252147900

Date: 05-09-25

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

COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

1453842.06 mmoore ADD
Michael G. Adams
Kentucky Secretary of State
Received and Filed:
5/7/2025 10:47 AM
Fee Receipt: $90.00

Division of Business Filings
P.O. Box 718
Frankfort, KY 40602
(502) 564-3490
www.sos.ky.gov

Certificate of Authority
(Foreign Business Entity)

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:
- ☐ profit corporation
- ☐ business trust
- ☐ limited partnership
- ☐ non-profit llc
- ☐ nonprofit corporation
- ☑ limited liability company
- ☐ ltd cooperative association
- ☐ professional service corporation
- ☐ professional limited liability company
- ☐ statutory trust
- ☐ other

2. The name of the entity is VB BTS III, LLC.
(The name must be identical to the name on record in the state where the entity was formed.)

3. The name of the entity to be used in Kentucky is (if applicable): .
(Only provide if name on line 2 is unavailable for use; otherwise, leave blank.)

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

5. The date of organization is 3/12/2024 and the period of duration is perpetual.
(If left blank, duration is considered perpetual.)

6. The mailing address of the entity's principal office is

750 Park of Commerce Drive, Suite 200 Suite 219	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	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 Registered Agent Solutions, Inc.

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

VB B3, LLC	750 Park of Commerce Drive, Suite 200 Suite 219	Boca Raton	FL	33487
Name	**Street or P.O. Box**	**City**	**State**	**Zip Code**
Name	**Street or P.O. Box**	**City**	**State**	**Zip Code**
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 the box if manager-managed: ■

13. This entity is a retailer of authorized vapor products as defined by KRS 438.305(2). Check the box, if applicable: ☐

DocuSigned by:
Brandy Hill
Signature of Authorized Representative	Brandy Hill, Authorized Signer	5/1/2025
	Printed Name & Title	**Date**

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

Signature of Registered Agent	Samantha Niels	Assistant Secretary	5/1/2025
	Printed Name	**Title**	**Date**

Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sign	File Number
KNKN841	0009619266
Radio Service CL - Cellular	
Market Numer CMA452	**Channel Block** A
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003291192

Market Name
Kentucky 10 - Powell

Grant Date	Effective Date	Expiration Date	Five Yr Build-Out Date	Print Date
09-08-2021	01-23-2024	10-01-2031		09-08-2021

Site Information:

Location	Latitude	Lougitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	37-04-39.7 N	082-48-27.8 W	856.5	95.4	1061533

Address: 103 TOWER HILL ROAD (76337)
City: WHITESBURG **County:** LETCHER **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	**0**	**45**	**90**	**135**	**180**	**225**	**270**	**315**
Antenna Height AAT (meters)	469.200	417.400	315.300	222.000	132.100	356.800	457.700	492.500
Transmitting ERP (watts)	12.022	8.233	13.016	5.482	3.813	0.108	1.481	5.717

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	**0**	**45**	**90**	**135**	**180**	**225**	**270**	**315**
Antenna Height AAT (meters)	469.200	417.400	315.300	222.000	132.100	356.800	457.700	492.500
Transmitting ERP (watts)	0.497	0.110	0.136	2.162	18.537	40.538	17.478	2.020

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	**0**	**45**	**90**	**135**	**180**	**225**	**270**	**315**
Antenna Height AAT (meters)	469.200	417.400	315.300	222.000	132.100	356.800	457.700	492.500
Transmitting ERP (watts)	51.423	16.329	8.850	0.158	2.803	14.815	46.596	45.493

Conditions:

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	37-48-18.3 N	083-50-24.1 W	403.3	106.4	1043803

Address: 3690 Furnace Road (76341)

City: STANTON **County:** POWELL **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	239.600	224.300	179.900	162.000	195.500	176.800	262.600	283.200
Transmitting ERP (watts)	13.906	21.652	8.665	5.943	0.123	2.628	9.451	19.854

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	239.600	224.300	179.900	162.000	195.500	176.800	262.600	283.200
Transmitting ERP (watts)	0.562	11.483	60.345	87.582	20.025	2.235	0.703	0.268

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	239.600	224.300	179.900	162.000	195.500	176.800	262.600	283.200
Transmitting ERP (watts)	1.261	0.189	0.376	1.717	22.517	83.071	60.872	9.440

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-25-58.7 N	084-00-12.8 W	422.1	96.6	1043802

Address: 1 MILE NW OF MCKEE (76343)

City: MCKEE **County:** JACKSON **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	139.700	155.200	150.500	131.100	145.400	147.600	127.600	123.400
Transmitting ERP (watts)	26.126	93.835	72.381	11.143	1.397	0.214	0.430	1.977

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	139.700	155.200	150.500	131.100	145.400	147.600	127.600	123.400
Transmitting ERP (watts)	0.119	1.588	5.852	12.166	8.174	13.032	5.144	3.553

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	139.700	155.200	150.500	131.100	145.400	147.600	127.600	123.400
Transmitting ERP (watts)	17.060	5.344	6.326	3.080	2.938	13.608	19.087	18.277

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-43-36.1 N	083-56-30.1 W	428.5	105.2	1041588

Address: 1850 Chestnut Stand Road (76344)

City: IRVINE **County:** ESTILL **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	268.100	191.200	185.400	224.200	235.300	293.800	271.800	266.500
Transmitting ERP (watts)	21.827	35.355	13.530	9.226	0.129	4.117	15.601	31.961

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	268.100	191.200	185.400	224.200	235.300	293.800	271.800	266.500
Transmitting ERP (watts)	0.672	14.167	72.140	103.407	24.559	2.608	0.888	0.327

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	268.100	191.200	185.400	224.200	235.300	293.800	271.800	266.500
Transmitting ERP (watts)	1.492	0.235	0.449	2.041	27.595	98.921	76.583	11.514

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-22-08.0 N	083-00-10.8 W	529.7	108.2	1043800

Address: 792 AMON FINLEY ROAD (76338)

City: HINDMAN **County:** KNOTT **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	231.800	219.900	201.700	233.100	202.300	239.000	278.600	245.800
Transmitting ERP (watts)	345.918	142.771	15.858	3.731	0.807	1.018	16.311	138.097

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	231.800	219.900	201.700	233.100	202.300	239.000	278.600	245.800
Transmitting ERP (watts)	1.551	31.288	164.802	238.390	59.476	6.231	2.030	0.777

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	231.800	219.900	201.700	233.100	202.300	239.000	278.600	245.800
Transmitting ERP (watts)	4.316	0.653	1.244	5.580	75.771	271.432	209.105	33.455

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	37-44-34.1 N	083-32-43.4 W	360.0	86.6	1043799

Address: 1726 KY 746 (76340)

City: CAMPTON **County:** WOLFE **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.200	129.700	112.600	121.800	158.600	129.600	97.300	142.500
Transmitting ERP (watts)	113.535	44.045	5.001	1.193	0.243	0.337	5.446	43.123

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.200	129.700	112.600	121.800	158.600	129.600	97.300	142.500
Transmitting ERP (watts)	0.641	12.645	67.380	97.109	22.543	2.584	0.854	0.294

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.200	129.700	112.600	121.800	158.600	129.600	97.300	142.500
Transmitting ERP (watts)	0.787	0.112	0.226	1.022	13.467	50.517	39.258	5.570

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-45-19.1 N	083-20-19.6 W	362.7	93.9	1058724

Address: 929 LEE CITY ROAD (76347)

City: LEE CITY **County:** WOLFE **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	160.500	126.900	136.400	100.600	123.400	127.200	118.400	134.900
Transmitting ERP (watts)	105.412	44.973	4.744	1.221	0.238	0.320	5.172	42.213

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	160.500	126.900	136.400	100.600	123.400	127.200	118.400	134.900
Transmitting ERP (watts)	0.595	12.504	63.904	97.920	22.073	2.452	0.810	0.293

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	160.500	126.900	136.400	100.600	123.400	127.200	118.400	134.900
Transmitting ERP (watts)	1.345	0.215	0.399	1.899	24.230	89.305	69.406	10.402

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	37-11-21.8 N	083-10-57.4 W	577.6	156.1	1204858

Address: 2620 FOURSEAM BUFFALO ROAD (76349)
City: Hazard **County:** PERRY **State:** KY C**onstruction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	361.100	304.700	308.200	300.700	255.900	299.100	341.500	375.800
Transmitting ERP (watts)	120.607	50.344	5.408	1.326	0.280	0.356	5.726	47.544

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	361.100	304.700	308.200	300.700	255.900	299.100	341.500	375.800
Transmitting ERP (watts)	1.079	22.080	114.046	169.090	41.240	4.315	1.412	0.525

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	361.100	304.700	308.200	300.700	255.900	299.100	341.500	375.800
Transmitting ERP (watts)	1.561	0.241	0.451	2.076	27.836	99.507	76.454	11.774

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-12-40.4 N	082-36-36.9 W	716.0	128.0	1222747

Address: 699 LINRAN DRIVE (76350)
City: JENKINS **County:** LETCHER **State:** KY C**onstruction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	449.600	258.900	252.200	271.800	242.200	295.700	300.600	326.500
Transmitting ERP (watts)	0.562	0.658	0.841	0.365	0.110	0.096	0.097	0.214

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	449.600	258.900	252.200	271.800	242.200	295.700	300.600	326.500
Transmitting ERP (watts)	0.390	0.116	0.125	0.832	9.565	30.462	19.683	2.648

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	449.600	258.900	252.200	271.800	242.200	295.700	300.600	326.500
Transmitting ERP (watts)	48.868	7.353	1.008	0.183	0.318	2.103	23.291	76.831

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Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-25-28.5 N	082-56-07.1 W	514.8	93.0	1246019

Address: 6068 EAST HIGHWAY 80 (80850)
City: Hindman **County:** KNOTT **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	232.300	300.300	246.700	186.200	173.800	220.100	214.400	203.300
Transmitting ERP (watts)	93.499	72.680	16.930	6.754	0.249	1.848	15.549	67.492

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	232.300	300.300	246.700	186.200	173.800	220.100	214.400	203.300
Transmitting ERP (watts)	2.853	28.250	86.426	109.267	48.855	9.880	5.119	1.857

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	232.300	300.300	246.700	186.200	173.800	220.100	214.400	203.300
Transmitting ERP (watts)	6.962	1.659	2.458	7.317	48.522	94.690	98.650	28.609

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-24-06.7 N	083-54-56.1 W	400.2	93.0	1252879

Address: 664 STATE ROAD 1071 (86076)
City: MCKEE **County:** JACKSON **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	182.900	174.200	158.700	146.400	115.600	116.900	95.600	99.100
Transmitting ERP (watts)	59.149	48.638	10.534	4.195	0.155	1.251	10.442	44.296

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	182.900	174.200	158.700	146.400	115.600	116.900	95.600	99.100
Transmitting ERP (watts)	2.874	30.589	89.034	109.683	50.425	10.217	5.307	1.868

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	182.900	174.200	158.700	146.400	115.600	116.900	95.600	99.100
Transmitting ERP (watts)	4.331	3.245	3.900	5.785	17.854	17.299	21.960	12.442

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Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	37-39-54.7 N	083-57-20.9 W	415.1	62.2	1272311

Address: 698 Little Doe Creek Road (109702)
City: Estill **County:** ESTILL **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	189.600	137.300	216.800	140.600	175.000	209.200	242.000	246.700
Transmitting ERP (watts)	147.672	98.700	12.008	4.052	0.328	0.354	9.692	72.782

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	189.600	137.300	216.800	140.600	175.000	209.200	242.000	246.700
Transmitting ERP (watts)	0.502	21.583	90.846	147.900	51.365	5.484	1.333	0.318

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	189.600	137.300	216.800	140.600	175.000	209.200	242.000	246.700
Transmitting ERP (watts)	8.223	1.146	0.387	4.798	55.608	132.151	134.692	33.348

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-54-33.3 N	083-55-30.3 W	431.9	78.6	1245218

Address: 2271B BLACK CREEK ROAD (76353)
City: CLAY **County:** POWELL **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	225.200	233.700	158.700	270.200	295.200	285.300	261.400	231.600
Transmitting ERP (watts)	0.138	2.791	14.890	20.205	4.916	0.538	0.179	0.103

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-14-49.4 N	083-19-33.9 W	432.8	93.6	1272180

Address: Dogwood Ln (106520)
City: Busy **County:** PERRY **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	172.100	163.400	158.200	101.100	131.500	140.000	142.300	199.400
Transmitting ERP (watts)	155.239	65.080	4.886	0.516	0.312	0.310	9.765	73.998

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	172.100	163.400	158.200	101.100	131.500	140.000	142.300	199.400
Transmitting ERP (watts)	1.558	22.222	110.717	145.006	30.764	1.939	0.302	0.269

.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN841 **File Number:** 0009619266 **Print Date:** 09-08-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-14-49.4 N	083-19-33.9 W	432.8	93.6	1272180

Address: Dogwood Ln (106520)

City: Busy **County:** PERRY **State:** KY **Construction Deadline:**

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	172.100	163.400	158.200	101.100	131.500	140.000	142.300	199.400
Transmitting ERP (watts)	1.049	0.313	0.291	4.476	43.772	139.964	106.333	12.797

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-10-34.0 N	082-53-47.0 W	576.1	123.4	1252950

Address: 1125 ARTHURS LOOP(85581)

City: Isom **County:** LETCHER **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	235.200	224.500	218.400	188.600	210.000	292.300	197.500	250.000
Transmitting ERP (watts)	197.029	81.390	8.984	2.219	0.445	0.571	9.626	76.319

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	235.200	224.500	218.400	188.600	210.000	292.300	197.500	250.000
Transmitting ERP (watts)	0.557	11.226	58.900	88.634	20.717	2.200	0.784	0.268

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	235.200	224.500	218.400	188.600	210.000	292.300	197.500	250.000
Transmitting ERP (watts)	2.584	0.390	0.738	3.418	44.259	159.691	132.673	19.036

Control Points:

Control Pt. No. 1

Address: 1650 Lyndon Farms Court

City: LOUISVILLE **County:** **State:** KY **Telephone Number:** (502)329-4700

Waivers/Conditions:

WE MAKE NO FINDING IN THESE CASES CONCERNING THE ISSUES RAISED IN FOOTNOTE 3 OF LA STAR CELLULAR TELEPHONE COMPANY, 7 FCC Rcd 3762 (1992). THEREFORE, THESE GRANTS OF TRANSFERS/ASSIGNMENTS ARE CONDITIONED ON ANY SUBSEQUENT ACTION THE COMMISSION MAY TAKE C

.

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

.

Universal Licensing System

ULS Application

Cellular - 0010868386 - NEW CINGULAR WIRELESS PCS, LLC

File Number	0010868386	Radio Service	CL - Cellular
Call Sign	KNKN841	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/22/2024	Action Date	01/23/2024
Entered Date	01/22/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	CMA452 - Kentucky 10 - Powell	Channel Block	A (View Frequencies)
Submarket Designator	0	Phase	2

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	NEW CINGULAR WIRELESS PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 E:FCCMW@att.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 E:FCCMW@att.com

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sign	File Number
KNLF251	0006725155
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
06-02-2015	01-24-2024	06-23-2025	06-03-2015

Market Number	Channel Block	Sub-Market Designator
MTA026	A	15

Market Name
Louisville-Lexington-Evansvill

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
06-23-2000	06-23-2005		

Waivers/Conditions:

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

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

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

Call Sign: KNLF251 **File Number:** 0006725155 **Print Date:** 06-03-2015

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

Spectrum Lease Associated with this License. See Spectrum Leasing Arrangement Letter dated 12/06/2004 and File # 0001918512.

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLF251 **File Number:** 0006725155 **Print Date:** 06-03-2015

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

PCS Broadband - 0010873735 - New Cingular Wireless PCS, LLC

HELP

File Number	0010873735	Radio Service	CW - PCS Broadband
Call Sign	KNLF251	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/23/2024	Action Date	01/24/2024
Entered Date	01/23/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	MTA026 - Louisville-Lexington-Evansvill	Channel Block	A
Submarket Designator	15	Associated Frequencies (MHz)	001850.00000000-001865.00000000 001930.00000000-001945.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Corporation
Name	New Cingular Wireless PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

Real Party in Interest	FRN of Real Party in Interest

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 F:(214)757-3706 E:FCCMW@att.com

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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sign	File Number
KNLH398	0007642894
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
04-14-2017	01-24-2024	04-28-2027	04-15-2017

Market Number	Channel Block	Sub-Market Designator
BTA252	D	0

Market Name
Lexington, KY

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
04-28-2002			

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLH398 **File Number:** 0007642894 **Print Date:** 04-15-2017

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

PCS Broadband - 0010873309 - New Cingular Wireless PCS, LLC

File Number	0010873309	Radio Service	CW - PCS Broadband
Call Sign	KNLH398	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/23/2024	Action Date	01/24/2024
Entered Date	01/23/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	BTA252 - Lexington, KY	Channel Block	D
Submarket Designator	0	Associated Frequencies (MHz)	001865.00000000-001870.00000000 001945.00000000-001950.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	New Cingular Wireless PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

Return to the Top

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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sigu	File Number
KNLF288	0006725160
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Priut Date
06-02-2015	01-24-2024	06-23-2025	06-03-2015

Market Number	Channel Block	Sub-Market Designator
MTA044	B	0

Market Name
Knoxville

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
06-23-2000	06-23-2005		

Waivers/Couditious:

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLF288 **File Number:** 0006725160 **Print Date:** 06-03-2015

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

PCS Broadband - 0010873866 - NEW CINGULAR WIRELESS PCS, LLC

File Number	0010873866	Radio Service	CW - PCS Broadband
Call Sign	KNLF288	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/23/2024	Action Date	01/24/2024
Entered Date	01/23/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	MTA044 - Knoxville	Channel Block	B
Submarket Designator	0	Associated Frequencies (MHz)	001870.00000000-001885.00000000 001950.00000000-001965.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	NEW CINGULAR WIRELESS PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

Real Party in Interest	FRN of Real Party in Interest

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

Return to the Top

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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sigu	File Number
KNLH575	0007642821
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Priut Date
04-13-2017	01-24-2024	04-28-2027	04-14-2017

Market Number	Channel Block	Sub-Market Designator
BTA295	E	0

Market Name
Middlesboro-Harlan, KY

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
04-28-2002			

Waivers/Couditious:

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

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

Conditions:
Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. 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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FCC 601-MB
August 2021

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLH575 **File Number:** 0007642821 **Print Date:** 04-14-2017

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

PCS Broadband - 0010873326 - New Cingular Wireless PCS, LLC

File Number	0010873326	Radio Service	CW - PCS Broadband
Call Sign	KNLH575	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/23/2024	Action Date	01/24/2024
Entered Date	01/23/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	BTA295 - Middlesboro-Harlan, KY	Channel Block	E
Submarket Designator	0	Associated Frequencies (MHz)	001885.00000000-001890.00000000 001965.00000000-001970.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	New Cingular Wireless PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 F:(214)746-6410 E:FCCMW@att.com

Return to the Top

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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sign	File Number
WPOI255	0006725122
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
05-27-2015	01-24-2024	06-23-2025	05-28-2015

Market Number	Channel Block	Sub-Market Designator
MTA026	A	19

Market Name
Louisville-Lexington-Evansvill

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
06-23-2000	06-23-2005		

Waivers/Conditions:

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

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

Conditions:
Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. 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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This license is conditioned upon compliance with the provisions of Applications of AT&T Wireless Services, Inc. and Cingular Wireless Corporation For Consent to Transfer Control of Licenses and Authorizations, Memorandum Opinion and Order, FCC 04-255 (rel. Oct. 26, 2004).

Spectrum Lease Associated with this License. See Spectrum Leasing Arrangement Letter dated 12/06/2004 and File # 0001918558.

The Spectrum Leasing Arrangement, which became effective upon approval of application file number 0001918558, was terminated on 04/14/2005. See file number 0002135370.

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOI255 **File Number:** 0006725122 **Print Date:** 05-28-2015

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

PCS Broadband - 0010873347 - NEW CINGULAR WIRELESS PCS, LLC

File Number	0010873347	Radio Service	CW - PCS Broadband
Call Sign	WPOI255	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/23/2024	Action Date	01/24/2024
Entered Date	01/23/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	MTA026 - Louisville-Lexington-Evansvill	Channel Block	A
Submarket Designator	19	Associated Frequencies (MHz)	001850.00000000-001865.00000000 001930.00000000-001945.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	NEW CINGULAR WIRELESS PCS, LLC 208 S Akard St, 20F Dallas, TX 75202		P:(855)699-7073 E:FCCMW@att.com

	ATTN National Regulatory Compliance	
Real Party in Interest		FRN of Real Party in Interest

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 E:FCCMW@att.com

Return to the Top

ULS Help	FAQ - Online Help - Technical Support - Licensing Support
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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sign	File Number
WQGA823	0009696753
Radio Service	
AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
05-08-2023	01-23-2024	11-29-2036	05-09-2023

Market Number	Channel Block	Sub-Market Designator
CMA452	A	0

Market Name
Kentucky 10 - Powell

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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGA823 **File Number:** 0009696753 **Print Date:** 05-09-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0010867727 - New Cingular Wireless PCS, LLC

File Number	0010867727	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQGA823	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/22/2024	Action Date	01/23/2024
Entered Date	01/22/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	CMA452 - Kentucky 10 - Powell	Channel Block	A
Submarket Designator	0	Associated Frequencies (MHz)	001710.00000000-001720.00000000 002110.00000000-002120.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	New Cingular Wireless PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 E:FCCMW@att.com

Real Party in Interest	FRN of Real Party in Interest

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 E:FCCMW@att.com

Return to the Top

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RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: NATIONAL REGULATORY COMPLIANCE
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST, 20F
DALLAS, TX 75202

Call Sign	File Number
WQGA824	0009696759
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
11-16-2021	01-23-2024	11-29-2036	11-17-2021

Market Number	Channel Block	Sub-Market Designator
CMA453	A	0

Market Name
Kentucky 11 - Clay

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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FCC 601-MB
August 2021

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGA824 **File Number:** 0009696759 **Print Date:** 11-17-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

Universal Licensing System

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0010867612 - New Cingular Wireless PCS, LLC

File Number	0010867612	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQGA824	Application Status	G - Granted

General Information

Application Purpose	AU - Administrative Update		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	01/22/2024	Action Date	01/23/2024
Entered Date	01/22/2024	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			

Market Data

Market	CMA453 - Kentucky 11 - Clay	Channel Block	A
Submarket Designator	0	Associated Frequencies (MHz)	001710.00000000-001720.00000000 002110.00000000-002120.00000000

Applicant Information

FRN	0003291192 (View Ownership Filing)	Type	Limited Liability Company
Name	New Cingular Wireless PCS, LLC 208 S Akard St, 20F Dallas, TX 75202 ATTN National Regulatory Compliance		P:(855)699-7073 E:FCCMW@att.com

Real Party in Interest	FRN of Real Party in Interest

Contact Information

Name	AT&T Services, Inc. Jessica J Dunk 208 S Akard St, 20F Dallas, TX 75202 ATTN NRC	P:(855)699-7073 E:FCCMW@att.com

Return to the Top

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EXHIBIT B

SITE DEVELOPMENT PLAN:

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

vertical bridge

(HEREINAFTER REFERRED TO AS "OWNER")

VERTICAL BRIDGE SITE NUMBER: US-KY-5202
VERTICAL BRIDGE SITE NAME: CHAVIES
FA NUMBER: 14632264
PACE NUMBER: MRTNK050855
PROJECT NUMBER: 2457A0WCWM
IWM NUMBER: WSTNK0027925

AT&T

(HEREINAFTER REFERRED TO AS "NEW LESSEE")

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

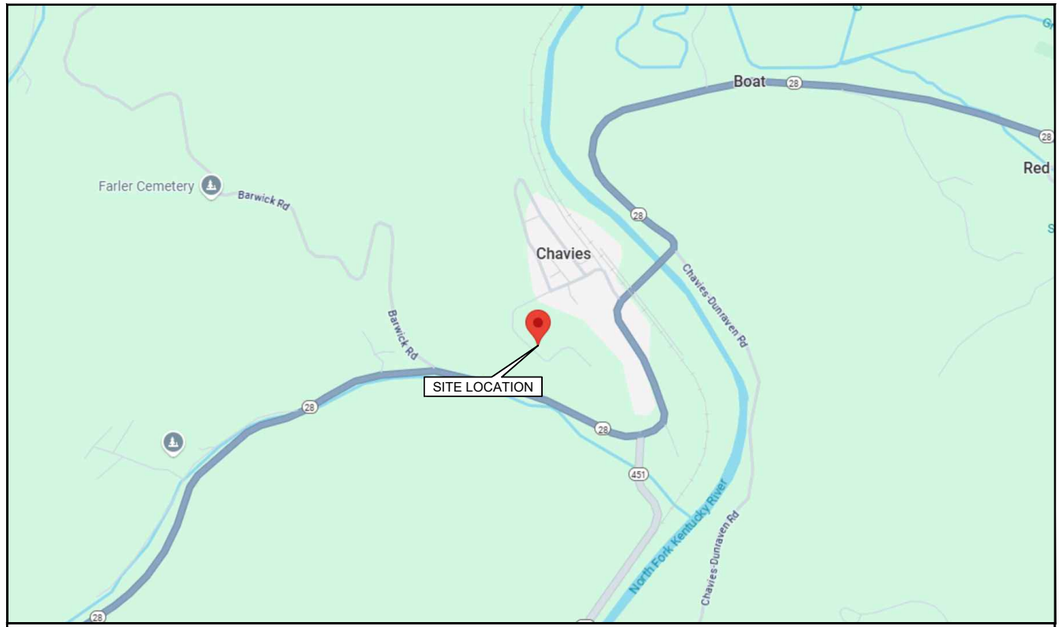
REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

PROJECT SUMMARY

SITE NAME:	CHAVIES
SITE NUMBER:	US-KY-5202
SITE ADDRESS: (E911 VERIFIED)	264 HILL DRIVE CHAVIES, KY 41727
COUNTY:	PERRY
JURISDICTION:	PERRY COUNTY
ZONING:	N/A
PROPERTY OWNER:	PERRY COUNTY, KENTUCKY, PUBLIC PROPERTIES CORPORATION, A KENTUCKY CORPORATION
ADDRESS:	481 MAIN STREET HAZARD, KY 41701
CONTACT:	BILL MCINTOSH
PHONE:	606.436.2451
STRUCTURE OWNER:	VB BTS III, LLC.
ADDRESS:	750 PARK OF COMMERCE DR., SUITE 200 BOCA RATON, FL 33487
CONTACT:	DAVE SMITH
PHONE:	615.636.9495
LESSEE:	NEW CINGULAR WIRELESS PCS, LLC, A DELAWARE LIMITED LIABILITY COMPANY ("AT&T MOBILITY")
ADDRESS:	1025 LENOX PARK BLVD NE, 3RD FLOOR ATLANTA, GA 30319
LESSEE SITE NAME:	GAYS CREEK
FA NUMBER:	14632264
1A SITE COORDINATES:	
LATITUDE:	37° 20' 43.65" N (NAD83) ; (37.3454584°)
LONGITUDE:	83° 21' 25.79" W (NAD83) ; (-83.3571637°)
ELEVATION:	931.00' AMSL (NAVD88)
OCCUPANCY:	UNMANNED
SITE TYPE:	RAWLAND
POWER COMPANY:	AEP
FIBER COMPANY:	TBD
POLICE DEPARTMENT:	PERRY COUNTY SHERIFF'S OFFICE
PHONE:	606.439.4523
FIRE DEPARTMENT:	GRAPEVINE & CHAVIES VOLUNTEER FIRE DEPT.
PHONE:	606.216.4320

VICINITY MAP



NOT TO SCALE

SHEET INDEX

SCOPE OF WORK

NEW BUILD - RAWLAND

INSTALLATION OF A 255'-0" SELF SUPPORT TOWER W/ GROUNDING, UTILITIES, FENCED COMPOUND, AND OTHER SUPPORT STRUCTURES AND COMPONENTS.

INSTALLATION OF ANTENNAS AND ANCILLARY EQUIPMENT FOR WIRELESS COMMUNICATIONS.

NOTES

1. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED AND MATERIALS 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 CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2018 KBC (BASED ON THE 2015 IBC)
RESIDENTIAL	2018 KRC (BASED ON THE 2015 IRC)
MECHANICAL	2015 IMC
FIRE	2015 IFC
ENERGY CONSERVATION	2012 IECC (COMMERCIAL ONLY)
ENERGY CONSERVATION	2009 IECC (RESIDENTIAL ONLY)
FUEL GAS	2012 NFPA 54 / NFGC
ELECTRICAL	2017 NFPA 70 / NEC
EXISTING BUILDING	2015 IEBC
ACCESSIBLE BUILDINGS	2009 ICC/ANSI A117.1

DIRECTIONS TO SITE

FROM PERRY COUNTY COURTHOUSE
481 MAIN ST, HAZARD, KY 41701

HEAD SOUTHEAST ON MAIN ST TOWARD LOVERN ST. TURN LEFT ONTO LOVERN ST. TURN LEFT ONTO MEMORIAL DR. USE ANY LANE TO TURN SLIGHTLY RIGHT ONTO N MAIN ST. TURN RIGHT ONTO KY-15 BUS N/KY-2451. CONTINUE ONTO KY-15 N. TURN LEFT ONTO KY-28 W. TURN RIGHT ONTO FIRST ST. SLIGHT LEFT ONTO HILL ST. CONTINUE STRAIGHT ONTO BRYANS LN. CONTINUE ONTO HILL DR. SITE ACCESS WILL BE ON THE LEFT AFTER APPROXIMATELY 325 FT.

DIRECTIONS PREPARED BY COREY DAY - 423.208.6703

CALL KENTUCKY ONE CALL
(800) 752-6007
CALL 3 WORKING DAYS
BEFORE YOU DIG!

811

STATE OF KENTUCKY
STEPHEN M. CARPENTER
22803
LICENSED PROFESSIONAL ENGINEER
06/13/2025

AT&T

SITE NAME	CHAVIES
FA NUMBER	14632264

vertical bridge

SITE NAME	CHAVIES
SITE NUMBER	US-KY-5202
SITE ADDRESS	264 HILL DRIVE CHAVIES, KY 41727
SITE TYPE	RAWLAND
SHEET TITLE	TITLE SHEET

SHEET NUMBER	REVISION
Z-001	1

ABBREVIATIONS

AGL	ABOVE GROUND LEVEL	AMSL	ABOVE MEAN SEA LEVEL
CL	CENTERLINE	CONC	CONCRETE
DIA	DIAMETER	DIM	DIMENSION
EA	EACH	ELEV	ELEVATION
EQ	EQUAL	(E)	EXISTING
FTG	FOOTING	FDN	FOUNDATION
HSS	HOLLOW STRUCTURE SHAPE	LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL	MAX	MAXIMUM
(N)	NEW	NTS	NOT TO SCALE
MIN	MINIMUM	OC	ON CENTER
PL	PLATE	(P)	PROPOSED
RGS	RIGID GALVANIZED STEEL	TBR	TO BE REMOVED
TOS	TOP OF STEEL	TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE	W/	WITH

LEGEND

SYMBOLS OF EXISTING FEATURES	DESCRIPTION	SYMBOLS OF PROPOSED FEATURES
X 100.5	SPOT ELEVATION	712.9
95	CONTOUR LINE	98
SD	STORM DRAIN	SD
	CATCH BASIN	
ROW	RIGHT OF WAY	
	IRON PIN	
	BENCHMARK	
	CONCRETE MONUMENT	
℄	CENTERLINE	
OHT	OVERHEAD TELPHONE	OHT
UGT	UNDERGROUND TELEPHONE	UGT
OHP	OVERHEAD POWER	OHP
UGP	UNDERGROUND POWER	UGP
UGF	UNDERGROUND FIBER	UGF
X X X	FENCE LINE	X X X
SF SF	SILT FENCE	SF SF
LOD	LIMITS OF DISURBANCE	LOD
	UTILITY POLE	
	LIGHT POLE	
W	WATER LINE	
	WATER VALVE	
UGG	NATURAL GAS LINE	
G	GAS VALVE	
ST	SANITARY SEWER	
M	MANHOLE	

NOTE: THIS IS A GENERAL LEGEND. ALL FEATURES MAY NOT BE LOCATED IN THIS SITE.

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

STATE OF KENTUCKY
STEPHEN M. CARPENTER
22803
LICENSED PROFESSIONAL ENGINEER
06-13-2025

AT&T

SITE NAME
CHAVIES

FA NUMBER
14632264

verticalbridge

SITE NAME
CHAVIES

SITE NUMBER
US-KY-5202

SITE ADDRESS
264 HILL DRIVE
CHAVIES, KY 41727

SITE TYPE
RAWLAND

SHEET TITLE
GENERAL NOTES

SHEET NUMBER	REVISION
Z-002	1

GENERAL NOTES:

THE MUST PROVIDE CLOSE-OUT DOCUMENTS AT THE FINAL INSPECTION WALK BEFORE PAYMENTS WILL BE MADE.

DEFINITIONS AND ABBREVIATIONS

1. THE FOLLOWING DEFINITIONS SHALL APPLY:
   - A. AHJ - AUTHORITY HAVING JURISDICTION
   - B. CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
   - C. ENGINEER - GEN7 ENGINEERING, LLC.
   - D. LESSEE - AT&T
   - E. OWNER - VB BTS III, LLC.
   - F. OWNER REPRESENTATIVE - CONSTRUCTION MANAGEMENT
2. THE INSTALLATION SHALL COMPLY W/ APPLICABLE LAWS AND ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF THE FOLLOWING:
   - A. ACI - AMERICAN CONCRETE INSTITUTE
   - B. AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION
   - C. IBC - INTERNATIONAL BUILDING CODE
   - D. IECC - INTERNATIONAL ENERGY CONSERVATION CODE
   - E. IFGC - INTERNATIONAL FUEL GAS CODE
   - F. NEC - NATIONAL ELECTRIC CODE
   - G. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   - H. NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
   - I. NFC - NATIONAL FIRE CODE

GENERAL REQUIREMENTS:

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY W/ ALL LAWS. ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY. SPECIFICATIONS AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE W/ ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS, THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE W/ THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) OWNER'S REPRESENTATIVE OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK AND FAMILIARIZE HIMSELF W/ THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE W/ THE CONTRACT.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED W/ CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS OTHERWISE NOTED OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE, UPDATED W/ THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED W/ THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC., DURING SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS/RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY.
13. THE CONTRACTOR SHALL COMPLY W/ ALL PERTINENT SECTIONS OF THE APPLICABLE BUILDING CODES AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL THAT CONFLICT IS RESOLVED BY OWNER'S REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS.
16. THE CONTRACTOR SHALL NOTIFY THE RF ENGINEER FOR ANTENNA AZIMUTH VERIFICATION (DURING ANTENNA INSTALLATION) PRIOR TO COORDINATING SITE SWEEPING.
17. THE CONTRACTOR SHALL SUBMIT, AT THE END OF THE PROJECT, A COMPLETE SET OF AS-BUILT DRAWINGS TO OWNER'S PROJECT MANAGER.

SITE WORK AND DRAINAGE:

EARTHWORK, EXCAVATION AND GRADING

PART 1 GENERAL

1.01 WORK INCLUDED: REFER TO SURVEY AND SITE PLAN FOR WORK INCLUDED.

1.02 RELATED WORK

1. CONSTRUCTION OF EQUIPMENT FOUNDATIONS
2. INSTALLATION OF ANTENNA SYSTEM
3. SITE PREPARATION

1.03 DESCRIPTIONS

1. ACCESS ROAD, TURNAROUND AREAS AND SITES ARE CONSTRUCTED TO PROVIDE A WELL DRAINED, EASILY MAINTAINED, EVEN SURFACE FOR MATERIAL AND EQUIPMENT DELIVERIES AND MAINTENANCE PERSONNEL ACCESS.

1.04 QUALITY ASSURANCE

1. APPLY SOIL STERILIZER IN ACCORDANCE W/ MANUFACTURER'S RECOMMENDATION (USE AS NEEDED)
2. VEGETATION LANDSCAPING, IF INCLUDED WITHIN THE CONTRACT WILL BE PLACED AND MAINTAINED AS RECOMMENDED BY NURSERY INDUSTRY STANDARDS.

1.05 SEQUENCING

1. CONTRACTOR IS RESPONSIBLE FOR LAYOUT AND CONSTRUCTION STAKING.
2. GRUB THE COMPLETE ROAD AND SITE AREA PRIOR TO FOUNDATION CONSTRUCTION OR PLACEMENT OF BACK FILL OR SUB-BASE MATERIAL.
3. CONSTRUCT TEMPORARY CONSTRUCTION ZONE ALONG ACCESS DRIVE.
4. THE SITE AREA WILL BE BROUGHT TO SUB-BASE COURSE ELEVATION AND THE ACCESS ROAD TO BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS.
5. APPLY SILT STERILIZER PRIOR TO PLACING BASE MATERIALS.
6. IF REQUIRED, GRADE, SEED, FERTILIZE AND MULCH DISTURBED AREAS IMMEDIATELY AFTER BRINGING THE SITE AND ACCESS ROAD TO BASE ELEVATION. WATER TO ENSURE GROWTH.
7. REMOVE EXCESS GRAVEL FROM TEMPORARY CONSTRUCTION ZONE.
8. AFTER APPLICATIONS OF FINAL SURFACES, APPLY SOIL STERILIZER TO THE STONE SURFACES.

1.06 SUBMITTALS

1. BEFORE CONSTRUCTION
   - H. IF LANDSCAPING IS APPLICABLE TO THE CONTRACT, SUBMIT TWO COPIES OF THE LANDSCAPING PLAN UNDER NURSERY LETTERHEAD. IF A LANDSCAPE ALLOWANCE IS INCLUDED IN THE CONTRACT, PROVIDE AN ITEMIZED LISTING OF PROPOSED COSTS UNDER NURSERY LETTERHEAD (REFER TO SITE PLAN FOR LANDSCAPING REQUIREMENT).
   - I. SUBMIT FOR APPROVAL, 1/2 CUBIC FOOT OF THE PROPOSED SURFACE COURSE MATERIAL.
   - J. LANDSCAPING WARRANTY STATEMENT, IF REQUIRED.

PART 2 PRODUCTS

2.01 MATERIALS

1. ROAD AND SITE MATERIALS: FILL MATERIAL SHALL BE ACCEPTABLE, SELECT FILL AND SHALL BE IN ACCORDANCE W/ LOCAL DEPARTMENT OF HIGHWAY AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS.
2. SOIL STERILIZER SHALL BE EPA REGISTERED OF LIQUID COMPOSITION AND OF PRE-EMERGENCE DESIGN.
3. SOIL STABILIZER FABRIC SHALL BE MIRAFI OR EQUAL - 500% AT ACCESS ROAD AND SOAK AT COMPOUND.
4. GRAVEL FILL: WELL GRADED, HARD, DURABLE, NATURAL SAND AND GRAVEL, FREE FROM ICE AND SNOW, ROOTS, SOD RUBBISH, AND OTHER DELETERIOUS OR ORGANIC MATTER. MATERIAL SHALL CONFORM TO THE FOLLOWING GRADATION REQUIREMENTS:

U.S. SIEVE NO.	PASSING BY WEIGHT
4"	100
1/2"	50-85
#4	40-75
#10	30-60
#40	10-30
#100	5-20
#200	0-5

GRAVEL FILL TO BE PLACED IN LIFTS OF 9" MAXIMUM THICKNESS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

2.02 EQUIPMENT

1. COMPACTION SHALL BE ACCOMPLISHED BY MECHANICAL MEANS. LARGER AREAS SHALL BE COMPACTED BY SHEEP'S FOOT, VIBRATORY OR RUBBER TIED ROLLERS WEIGHING AT LEAST 5 TONS. SMALLER AREAS SHALL BE COMPACTED BY POWER-DRIVER, HAND-HELD TAMPER.
2. PRIOR TO OTHER EXCAVATION AND CONSTRUCTION EFFORTS, GRUB ORGANIC MATERIAL TO A MINIMUM OF 6" BELOW ORIGINAL GROUND LEVEL.
3. UNLESS OTHERWISE INSTRUCTED BY OWNER, REMOVE TREES, BRUSH AND DEBRIS FROM THE PROPERTY TO AN AUTHORIZED DISPOSAL LOCATION.
4. PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS, ROLL THE SOIL.
5. WHERE UNSTABLE CONDITIONS ARE ENCOUNTERED, LINE THE RUBBED AREAS W/ STABILIZER MAT PRIOR TO PLACEMENT OF FILL OR BASE MATERIAL.

PART 3 EXECUTION

3.30 INSTALLATION

1. THE SITE AND TURNAROUND SHALL BE AT THE SUB-BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS. GRADE OR FILL THE SITE AND ACCESS ROAD AS REQUIRED TO PRODUCE EVEN DISTRIBUTION OF SPOILS RESULTING FROM FOUNDATION EXCAVATIONS. THE RESULTING GRADE SHALL CORRESPOND W/ SAID SUB-BASE COURSE. ELEVATIONS ARE TO BE CALCULATED FROM FINISHED GRADES OR SLOPES INDICATED.
2. CLEAR EXCESS SPOILS, IF ANY, FROM JOB SITE AND DO NOT SPREAD BEYOND THE LIMITS OF OWNER'S LEASE PROPERTY UNLESS AUTHORIZED BY PROJECT MANAGER.
3. THE ACCESS ROAD SHALL BE BROUGHT TO BASE COURSE ELEVATION PRIOR TO FOUNDATION CONSTRUCTION.
4. DO NOT CREATE DEPRESSIONS WHERE WATER MAY POND.
5. THE CONTRACT INCLUDES ALL NECESSARY GRADING, BANKING, DITCHING AND COMPLETE SURFACE COURSE FOR ACCESS ROAD. ALL ROADS OR ROUTES UTILIZED FOR ACCESS TO PUBLIC THOROUGHFARE ARE INCLUDED SCOPE OF WORK UNLESS OTHERWISE INDICATED.
6. WHEN IMPROVING AN EXISTING ACCESS ROAD, GRADE THE EXISTING ROAD TO REMOVE ANY ORGANIC MATTER AND THEN SMOOTH SURFACE BEFORE PLACING FILL OR STONE.
7. PLACE FILL OR STONE IN 3" MAXIMUM LIFTS AND COMPACT BEFORE PLACING NEXT LIFT.
8. THE FINISH GRADE, INCLUDING TOP SURFACE COURSE SHALL EXTEND A MINIMUM OF 12" BEYOND THE SITE FENCE AND SHALL COVER THE AREA AS INDICATED.
9. RIPRAP SHALL BE APPLIED TO THE SIDE SLOPES OF ALL FENCED AREAS, PARKING AREAS AND TO ALL OTHER SLOPES GREATER THAN 2:1.
10. RIPRAP SHALL BE APPLIED TO THE SIDES OF DITCHES OR DRAINAGE SWALES AS INDICATED ON PLANS.
11. RIPRAP ENTIRE DITCH FOR 6'-0" IN ALL DIRECTIONS AT CULVERT OPENINGS.
12. SEED, FERTILIZER AND STRAW COVER SHALL BE APPLIED TO ALL OTHER DISTURBED AREAS AND DITCHES, DRAINAGE SWALES, NOT OTHERWISE RIPRAPPED.
13. UNDER NO CIRCUMSTANCES SHALL DITCHES, SWALES OR CULVERTS BE PLACED SO THEY DIRECT WATER TOWARDS OR PERMIT STANDING WATER IMMEDIATELY ADJACENT TO SITE. IF OWNER DESIGNS OR IF DESIGN ELEVATIONS CONFLICT W/ THIS GUIDANCE, ADVISE THE OWNER IMMEDIATELY.
14. IF A DITCH LIES W/ SLOPES GREATER THAN TEN PERCENT, MOUNT DIVERSIONARY HEADWALLS IN THE DITCH FOR 6'-0" ABOVE THE CULVERT ENTRANCE.
15. SEED AND FERTILIZER SHALL BE APPLIED TO SURFACE CONDITIONS WHICH WILL ENCOURAGE ROOTING. RAKE AREAS TO BE SEEDED TO EVEN THE SURFACE AND TO LOOSEN THE SOIL.
16. SOW SEEDS IN TWO DIRECTIONS IN TWICE THE QUANTITY RECOMMENDED BY THE SEED PRODUCER.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE GROWTH OF SEEDED AND LANDSCAPED AREAS BY WATERING TO THE POINT OF RELEASE FROM THE CONTRACT. CONTINUE TO REWORK BARE AREAS UNTIL COMPLETE COVERAGE IS OBTAINED.

3.04 FIELD QUALITY CONTROL

COMPACTION SHALL BE 90% STANDARD PROCTOR DENSITY IN ACCORDANCE W/ ASTM D-1557 FOR SITE WORK AND 95% STANDARD PROCTOR DENSITY UNDER SLAB AREAS. AREAS OF SETTLEMENT WILL BE EXCAVATED AND REFILLED AT CONTRACTOR'S EXPENSE.

3.05 PROTECTION

1. PROTECT SEEDED AREAS FROM EROSION BY SPREADING STRAW TO A UNIFORM LOOSE DEPTH OF 1"-2". STAKE AND TIE DOWN AS REQUIRED. USE OF EROSION CONTROL MESH OR MULCH NET SHALL BE AN ACCEPTABLE ALTERNATIVE.
2. ALL TREES PLACED IN CONJUNCTION W/ A LANDSCAPE CONTRACT SHALL BE WRAPPED/TIED W/ HOSE PROTECTED WIRE AND SECURED TO STAKES EXTENDING 2'-0" INTO THE GROUND ON FOUR SIDES OF THE TREE.
3. ALL EXPOSED AREAS SHALL BE PROTECTED AGAINST WASHOUTS AND SOIL EROSION. STRAW BALES SHALL BE PLACED AT THE INLET APPROACH TO ALL NEW OR EXISTING CULVERTS.

EROSION AND SEDIMENT CONTROL NOTES:

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE APPLICABLE EROSION & SEDIMENT CONTROL MEASURES AND ALL APPLICABLE LOCAL CODES.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP OF CLEARING. ADD MEASURES AS NECESSARY AS DISTURBANCES INCREASE AS PART OF THE PHASED CONSTRUCTION.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, ALONG W/ THE APPROVED NOTICE OF INTENT AND STORMWATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
6. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES FINAL STABILIZATION IS ACHIEVED.
7. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
8. CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE EXPOSURE TIME OF CLEARED SURFACE AREA. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO EARTH MOVING OPERATIONS. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, AND AT MAXIMUM 14 CALENDAR DAYS IN DRY PERIODS AND WITHIN 24 HOURS AFTER ANY RAINFALL EXCEEDING 0.5 INCH WITHIN A 24 HOUR PERIOD.
9. THE CONTRACTOR SHALL DESIGNATE IN WRITING THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS.
10. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE REMOVED MORE THAN 20 CALENDAR DAYS PRIOR TO GRADING. ALL GRADED AREAS EXPECTED TO REMAIN UNFINISHED FOR MORE THAN 30 CALENDAR DAYS SHALL BE COVERED W/ TEMPORARY GRASS, SOD, STRAW, MULCH OR FABRIC MATS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN 15 CALENDAR DAYS OF FINAL GRADING.
11. THE CONTRACTOR SHALL MAINTAIN RECORDS OF EROSION CONTROL INSPECTIONS AND REPAIRS FOR A MINIMUM OF 3 YEARS AFTER CONSTRUCTION COMPLETION.
12. MULCHING SHALL CONSIST OF LOOSE HAY OR STRAW APPLIED AT THE RATE OF 2 TONS/ACRE.
13. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM TRAPS, SILT FENCES, SEDIMENT PONDS, ETC. AS NECESSARY AND WHEN CAPACITY HAS BEEN REDUCED BY 50%.
14. STOCKPILES SHALL BE STABILIZED AND PROTECTED FROM EROSION.

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

STATE OF KENTUCKY
STEPHEN M. CARPENTER
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AT&T

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verticalbridge

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RAWLAND

SHEET TITLE
GENERAL NOTES

SHEET NUMBER	REVISION
Z-003	1

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 21193C 0175 E, CHAVIES COUNTY, KENTUCKY. EFFECTIVE DATE AUGUST 14, 2024

PROJECT BENCHMARK

PROJECT BENCHMARK ELEVATION DATUM IS BASED UPON GPS SURVEY METHODS AND PROCEDURES.
TOP OF "CAPPED" IRON PIN SET THIS SURVEY
ELEVATION = 929.66' N.A.V.D. 88
(SEE PLAN FOR LOCATION)

CENTERLINE OF PROPOSED
VB BTS III LLC'S TOWER
LATITUDE = 37° 20' 43.65"
LONGITUDE = 83° 21' 25.79"
ELEVATION = 931.00' N.A.V.D. 88

KY SPC (SOUTH ZONE)
NAD 83 GRID NORTH

GRID NORTH

20 0 20 40 60

Scale 1" = 40'
GRAPHIC SCALE
(11" X 17" SHEET SIZE)

WILLIAM E. FARRA JR. & ETC
DEED BOOK 149, PAGE 306
(PARCEL 034-20-03-002.00)

SCOTT & KIM KING PROPERTIES
DEED BOOK 391, PAGE 371
(PARCEL 034-20-00-029.00)

PERRY COUNTY, KENTUCKY, PUBLIC PROPERTIES CORPORATION, A KENTUCKY CORPORATION
DEED BOOK 414, PAGE 120
(PARCEL 034-20-03-001.00)

JOHNSON CEMETERY
(NO DEED OF RECORD FOUND)
(PARCEL 034-00-00-030.00)

(BITUMINOUS SURFACE)

OHE & T

OHE

SEWER MANHOLE

POWER POLE

Fire Hydrant

Metal Swing-Gate

Anchor

BURNED-OUT BUILDING

BUILDING

SHED

SEWER MANHOLES

PRE-FABRICATED SEWAGE TREATMENT PLANT - (NOT IN SERVICE)

Wood Steps

Bituminous Surface

Stormwater Manhole

Wood Pole

(GRAVEL SURFACE)

METAL GATE

25'

HILL DRIVE

PUBLIC RIGHT OF WAY / PROPERTY LINE

930

925

920

N 42° 22' 34" E 171.54'

S 38° 39' 36" E 80.99'

S 42° 22' 34" W 157.90'

N 48° 20' 53" W 80.01'

0.303 ACRES
(13,178 SQUARE FEET)

E-911 ADDRESS:
264 HILL DRIVE
CHAVIES, KY 41727

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

"POINT OF BEGINNING"
"CAPPED" IRON PIN SET
KY SPC (SOUTH ZONE)
NAD 83 GRID COORDINATE
NORTH 2,017,652.51
EAST 2,335,902.36

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.

LEGENDS:

- IRON PIN SET THIS SURVEY
- IRON PIN FOUND
- RIGHT-OF-WAY/PROPERTY LINE
- OHE & T — OVERHEAD ELECTRIC & TELEPHONE LINES
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- UGT — UNDERGROUND TELEPHONE
- GAS — UNDERGROUND NATURAL GAS
- 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 1:17,450., 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.

   FRANK V. NEELEY, P.L.S. 3093 DATE MARCH 1, 2025

2. 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 FOUND IN THE PROPERTY VALUATION OFFICE OF PERRY COUNTY, KENTUCKY.
5. BEARINGS SHOWN ARE REFERENCED FROM GLOBALLY POSITIONED SATELLITE MONUMENTS AS ESTABLISHED FOR THIS SURVEY.
6. PROPERTY OWNER:
   PERRY COUNTY, KENTUCKY PUBLIC PROPERTIES CORPORATION
   P. O. DRAWER 210
   HAZARD, KY 41702
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: MONDAY, FEBRUARY 3RD., 2025.
9. NOT VALID WITHOUT THE ORIGINAL SIGNATURE OF THE PROFESSIONAL LICENSED SURVEYOR.

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

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.

PLOT DATE: MAY 3, 2025

verticalbridge

SHARONDALE SURVEYING
NC.
7733 SECOND FIDDLE WAY
ARRINGTON, TN 37014
(615) 513-0032
E-Mail: Sharndal@bellsouth.net

VB BTS III LLC SITE SURVEY: KENTUCKY
"CHAVIES" TOWER SITE
LOCATED IN: PERRY COUNTY, KENTUCKY
PROPOSED PROPERTY OUT-PARCEL BOUNDARY SURVEY
PREPARED FOR" VB BTS III LLC.
VB BTS III LLC SITE NUMBER: US-KY-5202

SHEET NUMBER:
1 OF 2

PROJECT NUMBER:
225.004.20

VB BTS III LLC'S PROPERTY OUT–PARCEL AREA DESCRIPTION

Beginning at a capped "Sharondale Nashville" iron pin set in the north margin of Hill Drive located at Kentucky State Plane (South Zone) NAD 83 Grid Coordinate North 2,017,652.51, East 2,335,902.36;

Thence, with the north margin of Hill Drive, North 48 degrees 20 minutes 55 seconds West, 80.01 feet to a capped "Sharondale Nashville" iron pin set;

Thence, leaving the north margin of Hill Drive, North 42 degrees 22 minutes 34 seconds East, 171.54 feet to a capped "Sharondale Nashville" iron pin set;

Thence, South 38 degrees 39 minutes 36 seconds East, 80.99 feet to a capped "Sharondale Nashville" iron pin set;

Thence, South 42 degrees 22 minutes 34 seconds West, 157.90 feet to the point of beginning, containing 13,178 square feet, (0.303 acres).

Being a portion of the property conveyed to Perry County, Kentucky, Public Properties Corporation, a Kentucky Corporation, from Appalachia Service Project, Inc., a Tennessee Corporation in a Quitclaim Deed with Certification dated March 3, 2021 and recorded March 15, 2021, of record in Book 414, Page 120, of the Court Clerk's Office of Perry County, Kentucky.

UNDERLYING LANDOWNER'S PROPERTY AREA DESCRIPTION

BEGINNING at a stake near a fence on the north side of the road leading to the Johnson Cemetery and approximately two hundred fifty feet (250'–00") wesward of said cemetery from which a twelve inch (12") pine bears S 40–19–W forty tow feet (42') and from which stake a tack in the root of a twenty four inch (24") poplar bears N 40–19 E one hundred fifty two feet (152') to a stake in the line of the Tom Johnson estate; thence with same N 38–50 W two hundred twenty nine feet (229–00") to s stake; thence N 65–52 W passing on the southward side of a twelve inch (12") black walnut at One hundred thirty one feet (131') in all one hundred ninety nine feet (119–00") to a stake in the eastward side of th road leading to the Johnson Cemetery; thence along said road S 1–53 one hundred forty eight feet (148–00") to thirty inch (30") black oak; thence crossing a fence and paralleling north side of said fence and road S 43–05 E two hundred twenty four and five tenths feet (224.5') to a stake near said fence following northward of said fence and road one hundred and five tenths feet (100.5') to the point of beginning and containing one and twenty three hundredths acres (1.23), more or less.

Parcel ID 034–20 03 001.00

This being the same property conveyed to Perry County, Kentucky Public Properties Corporation, a Kentucky Corporation from Appalachia Service Project, Inc., a Tennessee Corporation in a Quitclaim Deed with Certification dated March 3, 2021 and recorded March 15, 2021, in Book 414, Page 120 in Perry County Kentucky.

SURVEYOR'S REVIEW OF "SPECIAL EXCEPTIONS"

NOTES CORRESPONDING TO TOWER TITLE INSURANCE COMPANY'S "TITLE COMMITMENT" – COMMITMENT NO. VTB–169363–C, ISSUED FEBRUARY 25, 2024.

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

THERE ARE NO SPECIAL EXCEPTIONS LISTED.

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 VB BTS III LLC Access and Utility Easement run to a confirmed public R.O.W., (ii) The VB BTS III LLC 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 VB BTS III LLC Tower Lease or The VB BTS III LLC Easement Areas.

F. V. Neeley

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

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

PLOT DATE: MAY 3, 2025

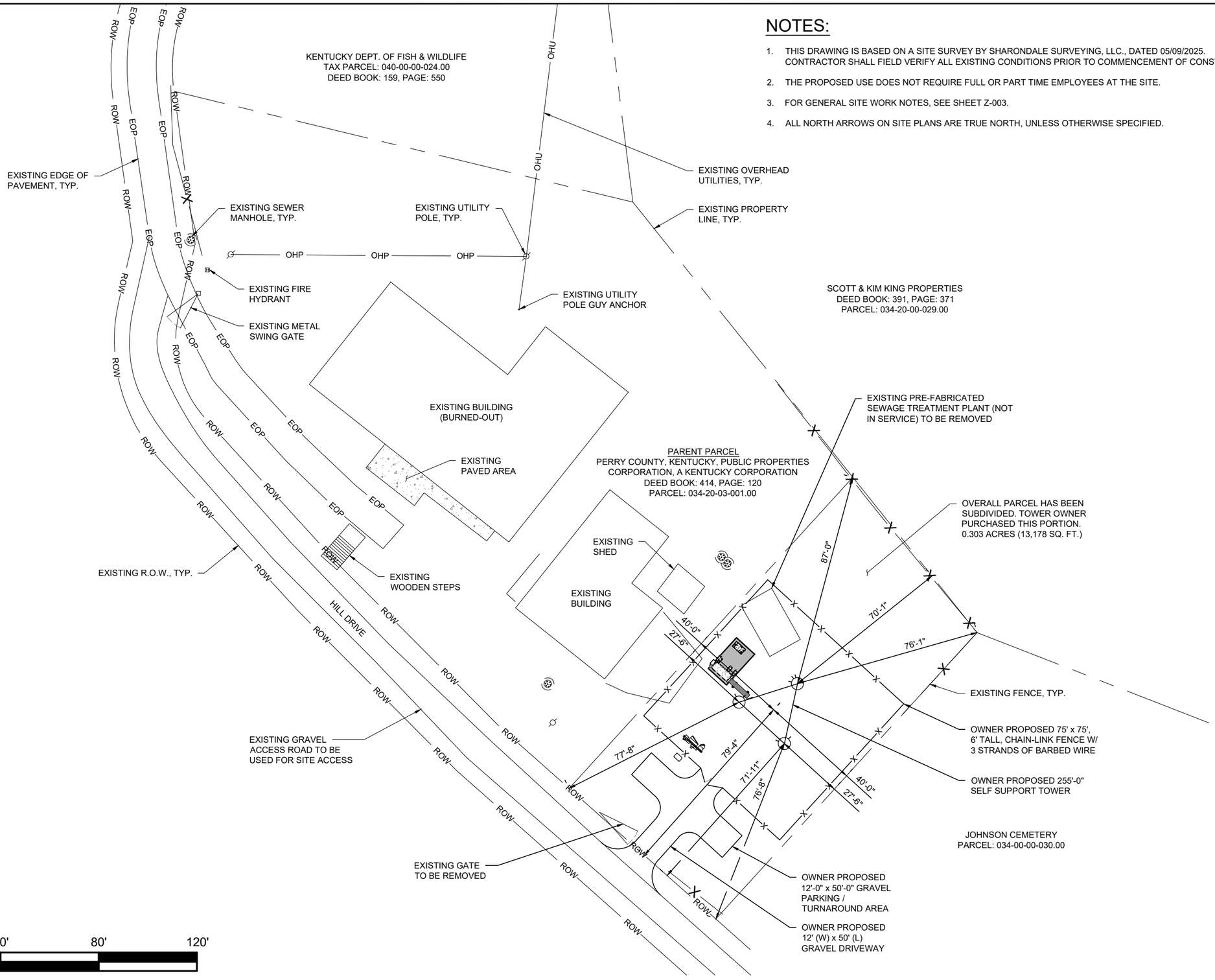
verticalbridge

SHARONDALE SURVEYING INC.
7733 SECOND FIDDLE WAY
ARRINGTON, TN 37014
(615) 513–0032
E–Mail: Sharndal@bellsouth.net

VB BTS III LLC SITE SURVEY: KENTUCKY
"CHAVIES" TOWER SITE
LOCATED IN: PERRY COUNTY, KENTUCKY
PROPOSED PROPERTY OUT–PARCEL BOUNDARY SURVEY
PREPARED FOR" VB BTS III LLC.
VB BTS III LLC SITE NUMBER: US–KY–5202

SHEET NUMBER:
2 OF 2

PROJECT NUMBER:
225.004.20



NOTES:

1. THIS DRAWING IS BASED ON A SITE SURVEY BY SHARONDALE SURVEYING, LLC., DATED 05/09/2025. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE PROPOSED USE DOES NOT REQUIRE FULL OR PART TIME EMPLOYEES AT THE SITE.
3. FOR GENERAL SITE WORK NOTES, SEE SHEET Z-003.
4. ALL NORTH ARROWS ON SITE PLANS ARE TRUE NORTH, UNLESS OTHERWISE SPECIFIED.

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

STATE OF KENTUCKY
STEPHEN M. CARPENTER
22803
LICENSED PROFESSIONAL ENGINEER
06-13-2025

AT&T

SITE NAME: CHAVIES
FA NUMBER: 14632264

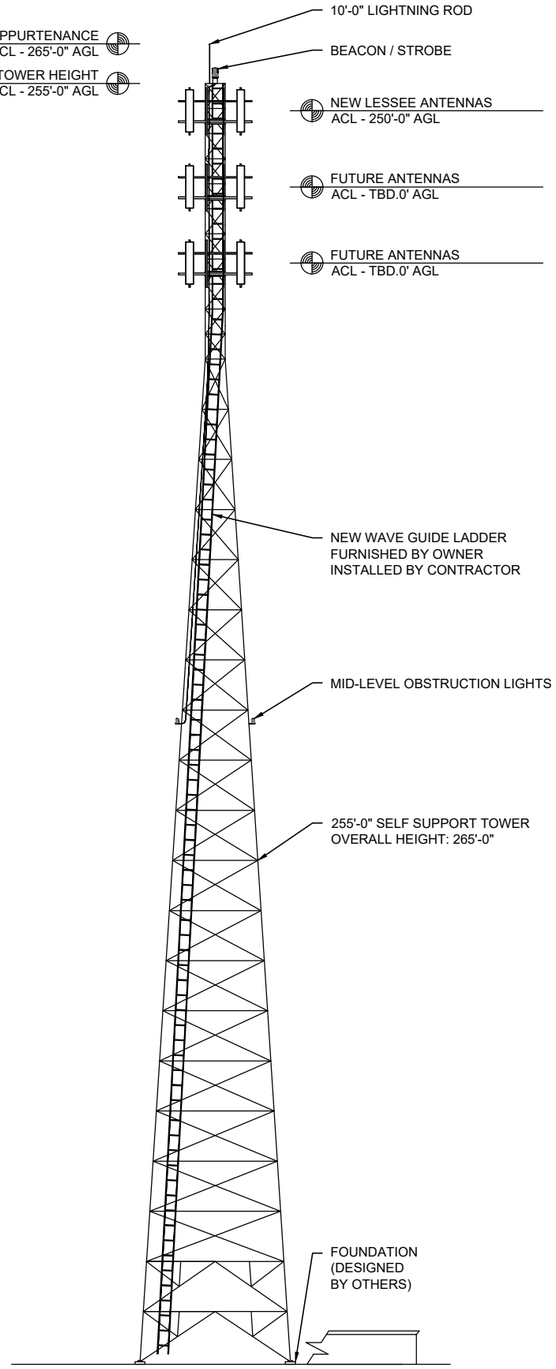
verticalbridge

SITE NAME: CHAVIES
SITE NUMBER: US-KY-5202

SITE ADDRESS: 264 HILL DRIVE, CHAVIES, KY 41727
SITE TYPE: RAWLAND

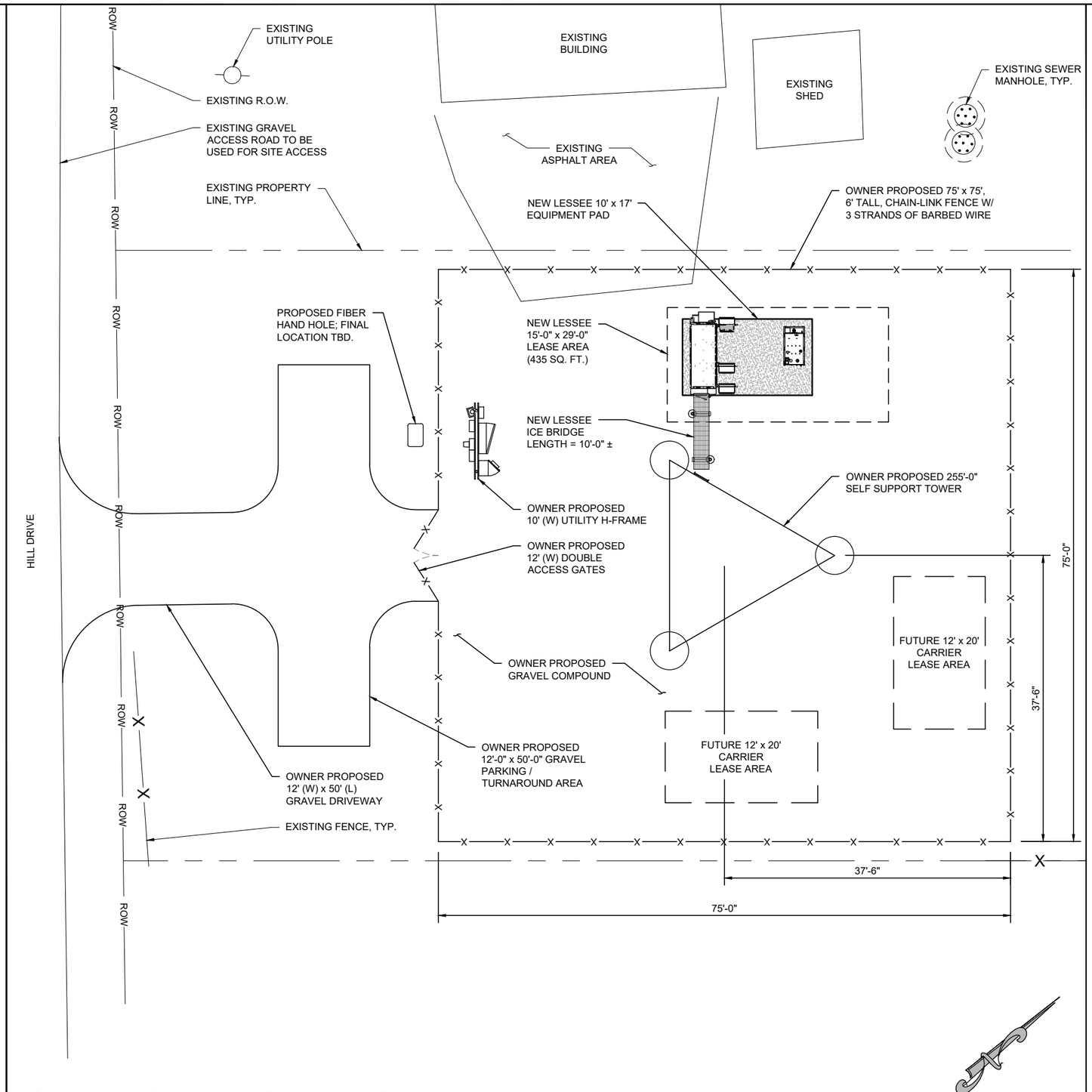
SHEET TITLE: OVERALL SITE LAYOUT PLAN

SHEET NUMBER	REVISION
Z-101	1



TOWER ELEVATION

NTS



0' 15' 30' 45'

SCALE: 1" = 15'

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

AT&T

SITE NAME: CHAVIES

FA NUMBER: 14632264

verticalbridge

SITE NAME: CHAVIES

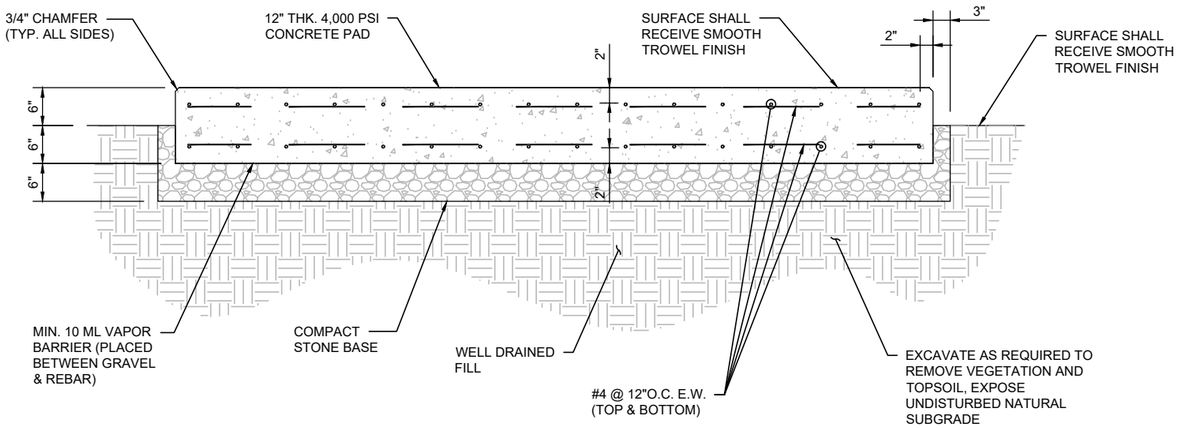
SITE NUMBER: US-KY-5202

SITE ADDRESS: 264 HILL DRIVE
CHAVIES, KY 41727

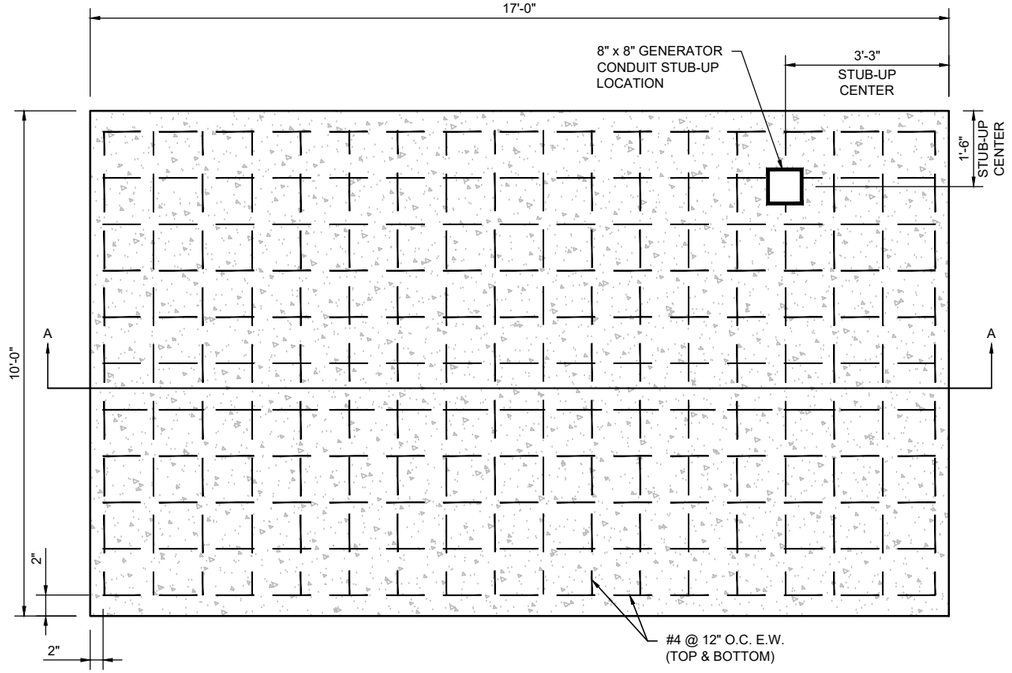
SITE TYPE: RAWLAND

SHEET TITLE: SITE LAYOUT PLAN & TOWER ELEVATION

SHEET NUMBER	REVISION
Z-102	1



SECTION A-A



PLAN VIEW

CONCRETE PAD FOUNDATION DETAIL (1)

NTS

CONCRETE PAD NOTES:

1. REFER TO CIVIL DRAWINGS FOR ORIENTATION OF FOUNDATION.
2. USE A HIGH-EARLY STRENGTH CONCRETE MIX SO THE CABINET MAY BE PLACED THREE DAYS FOLLOWING CONCRETE POURING. COARSE AGGREGATE USED IN THE CONCRETE SHALL BE GRADED FROM 3/4" TO NO. 4 ONLY. THE COMPRESSION STRENGTH OF THE CONCRETE MUST BE A MINIMUM OF 4000 PSI AS DETERMINED BY ASTM C39 TEST OF COMPRESSION STRENGTH OF CONCRETE CYLINDERS.
3. CURE THE PAD FOR A MINIMUM OF THREE DAYS BEFORE CABINET INSTALLATION, OR PER SPECIFICATIONS FOR THE TYPE OF CONCRETE USED AND PER LOCAL CODES AND REQUIREMENTS.
4. ALL CONCRETE SHALL HAVE 28 DAY STRENGTH OF 4000 PSI MINIMUM, WITH A SLUMP OF 3"-7" AND SHALL BE AIR ENTRAINED @ 5.5 ±1.1%. 5 TEST CYLINDERS SHALL BE MADE FOR THE 3,7, & (2) 28 DAY TESTS WITH ONE SPARE.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A 185 FOR STEEL WELDED WIRE REINFORCEMENT UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO ENSURE FOUNDATION / SLAB ARE POURED TO MEET FLATNESS LEVEL TOLERANCES AS INDICATED IN ACI 4.5.6 AND ACI 4.5.7.
7. SLAB TOLERANCE IS ± 1/4".
8. THIS FOUNDATION IS DESIGNED FOR 2,000 PSF ALLOWABLE SOIL BEARING CAPACITY.
9. A CHAMFER, 3/4", SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
10. FOUNDATION BEARING MATERIAL SHALL BE TESTED & VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER.
11. GROUND REBAR TO GROUND RING IN (2) LOCATIONS USING #2 SOLID BARE TINNED COPPER GROUND WIRE.
12. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO WWR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.
13. CONDUITS SHALL EXTEND APPROXIMATELY 2" ABOVE FINISHED SURFACE. SEAL CONDUITS TO PREVENT CONCRETE ENTRY DURING POUR.
14. CONTRACTOR SHALL VERIFY THE PLACEMENT OF CONDUITS WITH THE ACTUAL ENCLOSURE KNOCK-OUT AND OR STUB-UP LOCATIONS TO ENSURE THE PROPER ALIGNMENT OF ALL CONDUITS.

DETAIL NOT USED (2)

NTS

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

STATE OF KENTUCKY
STEPHEN M. CARPENTER
22803
LICENSED PROFESSIONAL ENGINEER
06-13-2025

AT&T

SITE NAME: CHAVIES
FA NUMBER: 14632264

verticalbridge

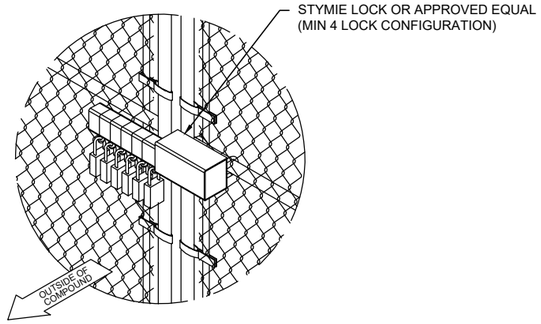
SITE NAME: CHAVIES
SITE NUMBER: US-KY-5202
SITE ADDRESS: 264 HILL DRIVE
CHAVIES, KY 41727
SITE TYPE: RAWLAND
SHEET TITLE: SITE DETAILS

SHEET NUMBER	REVISION
Z-201	1

TYPICAL WOVEN WIRE FENCING NOTES:

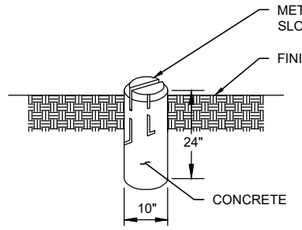
(INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F-900)

1. GATE POST, CORNER, TERMINAL OR PULL POST SHALL BE 3"Ø SCHEDULE 40 FOR GATE WIDTHS UP THRU 7 FEET OR 14 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
2. LINE POST: 2"Ø SCHEDULE 40 PIPE PER ASTM-F1083. INSTALL EVERY 8'-0" ALONG FENCE LINE.
3. GATE FRAME: 1-1/2"Ø SCHEDULE 40 PIPE, STELL, HOT-DIPPED ZINC COATED (GALVANIZED) WELDED STEEL PIPE PER ASTM-F1083.
4. TOP RAIL & BRACE RAIL: 1-5/8"Ø SCHEDULE 40 PIPE PER ASTM-F1083.
5. CHAIN LINK FABRIC: 9 GA. MIN. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
6. TIE WIRE: MINIMUM 11 GA. GALVANIZED STEEL INSTALL A SINGLE WRAP TIE WIRE AT POSTS AND RAILS AT MAX. 24" INTERVALS. INSTALL HOG RINGS ON TENSION WIRE AT 24" INTERVALS.
7. TENSION WIRE: 7 GA. GALVANIZED STEEL
8. GATE LATCH: 1-3/8" OD PLUNGER ROD W/ MUSHROOM TYPE CATCH AND LOCK (KEYED ALIKE FOR ALL SITES OR COMBINATION AS SPECIFIED BY OWNER)
9. HEIGHT= 6' VERTICAL DIMENSION. WORK WITH SPECIFICATION 2831.



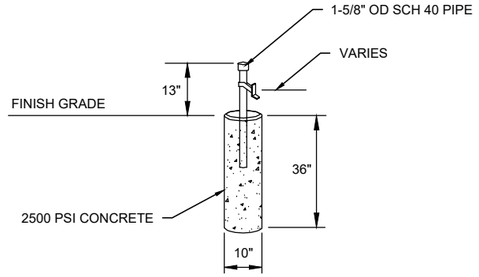
FENCE LOCK DETAIL

NTS



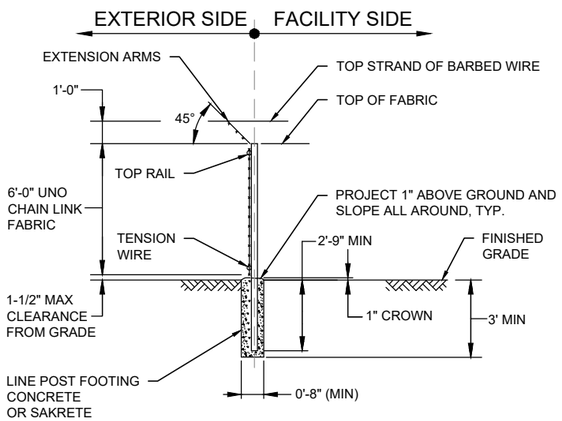
MUSHROOM STOP

NTS



GATE STOP DETAIL

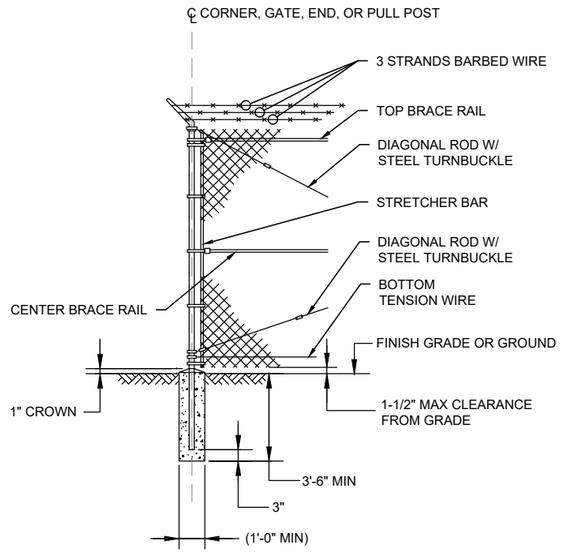
NTS



TYPICAL SECTION

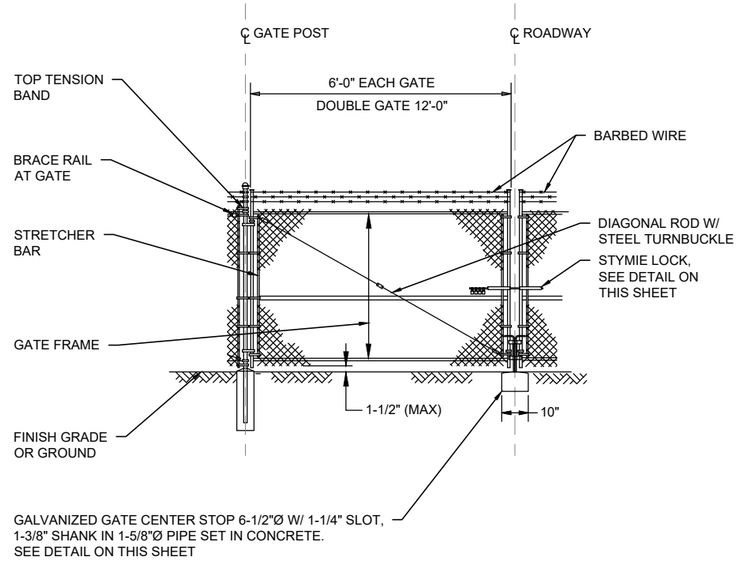
WOVEN WIRE FENCE 1

NTS



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

NTS



WOVEN WIRE DOUBLE GATE 3

NTS

GEN 7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS			
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE
#	DATE	BY	DESCRIPTION

AT&T

SITE NAME: CHAVIES

FA NUMBER: 14632264

verticalbridge

SITE NAME: CHAVIES

SITE NUMBER: US-KY-5202

SITE ADDRESS: 264 HILL DRIVE
CHAVIES, KY 41727

SITE TYPE: RAWLAND

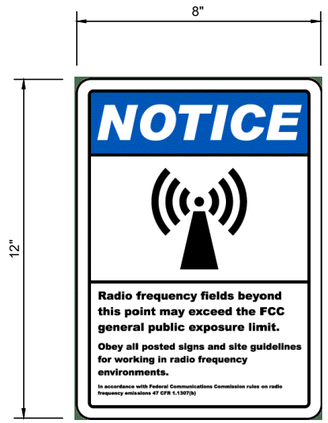
SHEET TITLE: SITE DETAILS

SHEET NUMBER	REVISION
Z-202	1

10" x 14"

NO TRESPASSING SIGN (1)

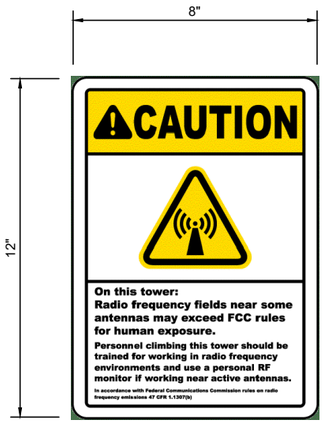
NTS



12" x 8"

RF GUIDELINES SIGN (2)

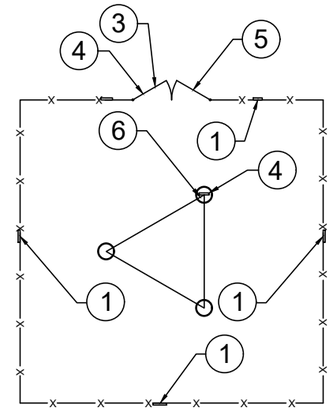
NTS

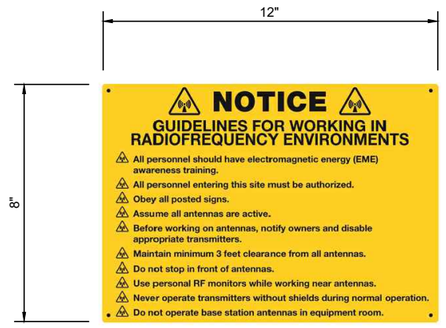


12" x 8"

RF GUIDELINES SIGN (3)

NTS

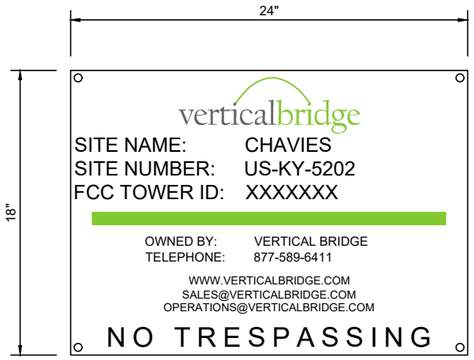




8" x 12"

RF GUIDELINES SIGN (4)

NTS



18" x 24"

SITE ID SIGN (5)

NTS

ASR # XXXXXXX

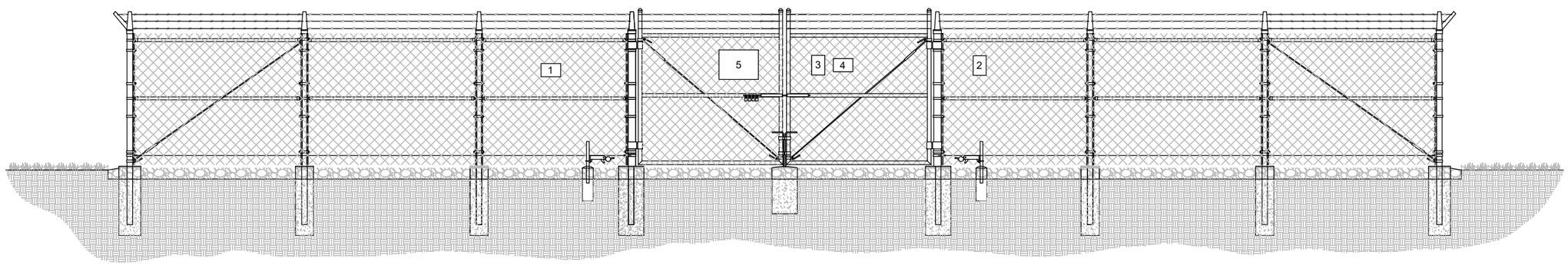
-WHEN REQUIRED, PLACE ON TOWER

-USE A DECAL ON MONOPOLE AND METAL SIGN ON SELF-SUPPORT TOWER OR GUYED TOWER

-LETTERS TO BE 3" MIN

ASR # SIGN (6)

NTS



GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS

#	DATE	BY	DESCRIPTION
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE

FOR REFERENCE ONLY

AT&T

SITE NAME: CHAVIES

FA NUMBER: 14632264

verticalbridge

SITE NAME: CHAVIES

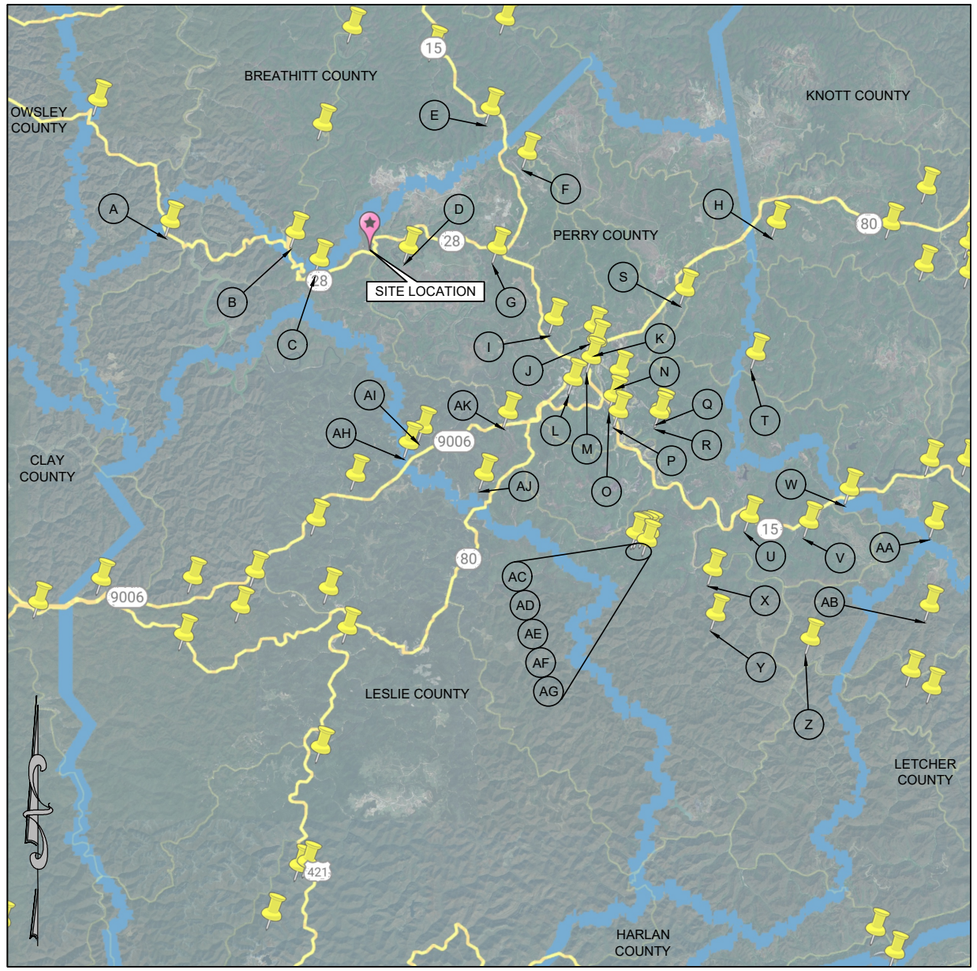
SITE NUMBER: US-KY-5202

SITE ADDRESS: 264 HILL DRIVE, CHAVIES, KY 41727

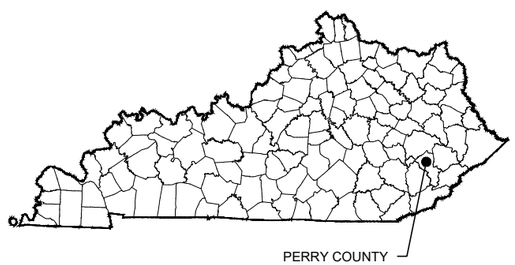
SITE TYPE: RAWLAND

SHEET TITLE: SITE DETAILS

SHEET NUMBER	REVISION
Z-203	1



NOTE: TOWERS DEPICTED ARE ALL KNOWN TOWER SITES REGISTERED WITH THE FEDERAL COMMUNICATIONS COMMISSION IN PERRY COUNTY, KY (AND WITHIN 1 MI. OF THE COUNTY BORDER)



EXISTING TOWER LEGEND

(A) FCC REGISTRATION #: 1228252
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 21' 6.30" N
LONG: 83° 29' 17.60" W

(B) FCC REGISTRATION #: 1299200
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 20' 46.30" N
LONG: 83° 24' 28.70" W

(C) FCC REGISTRATION #: 1289503
US ARMY CORPS OF ENGINEERS
LAT: 37° 19' 56.00" N
LONG: 83° 23' 33.00" W

(D) FCC REGISTRATION #: 1235226
PINE BRANCH COAL SALES, INC
LAT: 37° 20' 19.00" N
LONG: 83° 20' 7.00" W

(E) FCC REGISTRATION #: 1291999
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 24' 34.40" N
LONG: 83° 16' 58.20" W

(F) FCC REGISTRATION #: 1248229
HAZARD PERRY COUNTY AIRPORT BOARD
LAT: 37° 23' 12.70" N
LONG: 83° 15' 33.30" W

(G) FCC REGISTRATION #: 1042395
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 20' 18.30" N
LONG: 83° 16' 42.60" W

(H) FCC REGISTRATION #: 1003007
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 21' 5.40" N
LONG: 83° 5' 57.60" W

(I) FCC REGISTRATION #: 1274202
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 18' 8.00" N
LONG: 83° 14' 31.80" W

(J) FCC REGISTRATION #: 1238020
KENTUCKY STATE POLICE COMMUNICATIONS
LAT: 37° 17' 53.00" N
LONG: 83° 13' 0.00" W

(K) FCC REGISTRATION #: 1246956
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 17' 28.90" N
LONG: 83° 12' 52.40" W

(L) FCC REGISTRATION #: 1296506
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 16' 17.10" N
LONG: 83° 13' 47.70" W

(M) FCC REGISTRATION #: 1237058
MOUNTAIN TOWER RENTAL, LLC
LAT: 37° 16' 57.00" N
LONG: 83° 13' 5.70" W

(N) FCC REGISTRATION #: 1229714
AT&T MOBILITY SPECTRUM LLC
LAT: 37° 16' 32.50" N
LONG: 83° 12' 0.50" W

(O) FCC REGISTRATION #: 1296505
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 15' 46.10" N
LONG: 83° 12' 14.30" W

(P) FCC REGISTRATION #: 1043132
GRAY LOCAL MEDIA, INC.
LAT: 37° 15' 18.00" N
LONG: 83° 12' 3.00" W

(Q) FCC REGISTRATION #: 1061535
THACKER-GRIGSBY TELEPHONE COMPANY INC.
LAT: 37° 15' 22.60" N
LONG: 83° 10' 25.20" W

(R) FCC REGISTRATION #: 1042056
BELLSOUTH TELECOMMUNICATIONS, INC
LAT: 37° 15' 16.30" N
LONG: 83° 10' 28.70" W

(S) FCC REGISTRATION #: 1312025
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 19' 1.50" N
LONG: 83° 9' 29.50" W

(T) FCC REGISTRATION #: 1274629
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 17' 3.60" N
LONG: 83° 6' 46.10" W

(U) FCC REGISTRATION #: 1222977
T V SERVICE INC
LAT: 37° 12' 5.30" N
LONG: 83° 7' 1.60" W

(V) FCC REGISTRATION #: 1270318
AMERICAN TOWERS LLC
LAT: 37° 11' 54.60" N
LONG: 83° 4' 44.90" W

(W) FCC REGISTRATION #: 1260112
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 12' 55.00" N
LONG: 83° 3' 11.00" W

(X) FCC REGISTRATION #: 1287373
VERNON ENGLE
LAT: 37° 10' 27.80" N
LONG: 83° 8' 26.60" W

(Y) FCC REGISTRATION #: 1210134
VERNON ENGLE
LAT: 37° 9' 5.30" N
LONG: 83° 8' 19.60" W

(Z) FCC REGISTRATION #: 1281419
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 8' 20.30" N
LONG: 83° 4' 42.20" W

(AA) FCC REGISTRATION #: 1043804
CROWN CASTLE SOUTH LLC
LAT: 37° 11' 52.80" N
LONG: 82° 59' 55.70" W

(AB) FCC REGISTRATION #: 1263525
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 9' 20.70" N
LONG: 83° 0' 7.50" W

(AC) FCC REGISTRATION #: 1275573
PERRY, COUNTY OF
LAT: 37° 11' 34.20" N
LONG: 83° 11' 23.40" W

(AD) FCC REGISTRATION #: 1044020
KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKHA
LAT: 37° 11' 35.00" N
LONG: 83° 11' 17.00" W

(AE) FCC REGISTRATION #: 1048810
MOUNTAIN BROADCASTING SERVICE, INC.
LAT: 37° 11' 36.00" N
LONG: 83° 11' 4.00" W

(AF) FCC REGISTRATION #: 1043131
GRAY LOCAL MEDIA, INC.
LAT: 37° 11' 38.00" N
LONG: 83° 10' 52.00" W

(AG) FCC REGISTRATION #: 1204858
MOUNTAIN TOWER RENTAL, LLC
LAT: 37° 11' 21.80" N
LONG: 83° 10' 57.40" W

(AH) FCC REGISTRATION #: 1261729
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37° 14' 20.70" N
LONG: 83° 20' 6.30" W

(AI) FCC REGISTRATION #: 1272180
SBA TOWERS III LLC
LAT: 37° 14' 49.40" N
LONG: 83° 19' 33.90" W

(AJ) FCC REGISTRATION #: 1236687
EAST KENTUCKY NETWORK, LLC
D/B/A APPALACHIAN WIRELESS
LAT: 37°13'22.30"N
LONG: 83°17'12.60"W

(AK) FCC REGISTRATION #: 1319654
VB BTS III, LLC
LAT: 37° 15' 16.20" N
LONG: 83° 16' 17.60" W

GEN7 ENGINEERING

DRAWN BY	CAD
CHECKED BY	CTD

REVISIONS			
1	06/13/25	CAD	LR HEIGHT CHANGE
0	05/13/25	CAD	ZONING ISSUE
#	DATE	BY	DESCRIPTION

STATE OF KENTUCKY
STEPHEN M. CARPENTER
22803
LICENSED PROFESSIONAL ENGINEER
06-13-2025

AT&T

SITE NAME
CHAVIES

FA NUMBER
14632264

verticalbridge

SITE NAME
CHAVIES

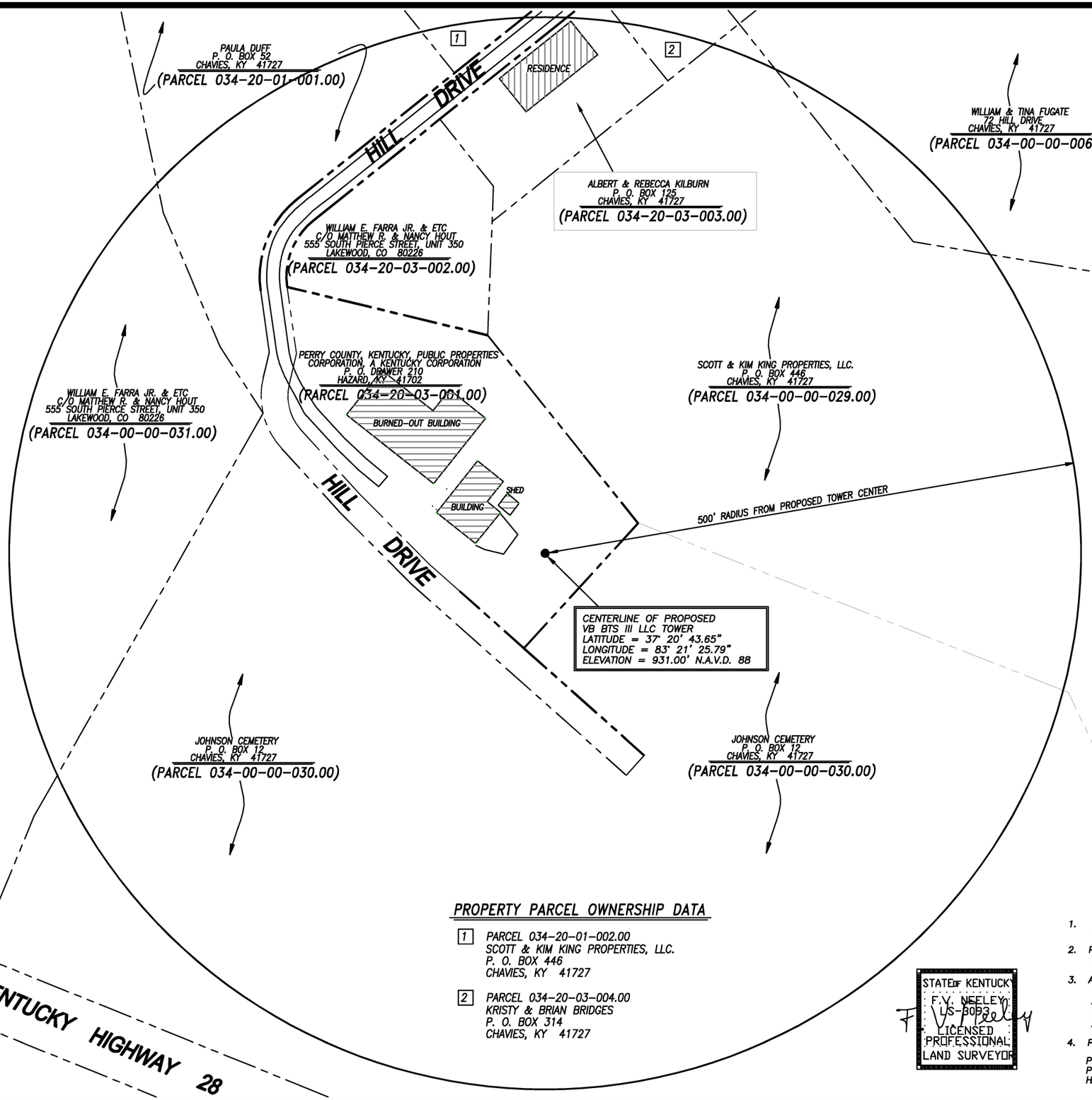
SITE NUMBER
US-KY-5202

SITE ADDRESS
264 HILL DRIVE
CHAVIES, KY 41727

SITE TYPE
RAWLAND

SHEET TITLE
FCC COUNTY TOWER MAP

SHEET NUMBER	REVISION
TM-101	1



KY SPC (SOUTH ZONE)
NAD 83 GRID NORTH

GRID NORTH

50 0 50 100 150

Scale 1" = 40'
GRAPHIC SCALE
(11" X 17" SHEET SIZE)

LEGENDS:

- RIGHT-OF-WAY/PROPERTY LINE
- OHE & T — OVERHEAD ELECTRIC & TELEPHONE LINES
- OHE — OVERHEAD ELECTRIC
- FENCELINE

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 VB BTS III 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.

E-911 ADDRESS:

264 HILL DRIVE
CHAVIES, KY 41727

CERTIFICATION

I HEREBY CERTIFY THAT THIS EXHIBIT PERTAINING TO THE ADJOINING PROPERTY OWNERS PER PVA RECORDS WAS PREPARED UNDER MY DIRECT SUPERVISION. NO BOUNDARY SURVEYING SERVICES HAVE BEEN REQUESTED OR PERFORMED IN THE PREPARATION OF THIS EXHIBIT.

F. V. Neeley — APRIL 29, 2025
FRANK V. NEELEY, PLS #3093 — DATE

PROPERTY PARCEL OWNERSHIP DATA

1 PARCEL 034-20-01-002.00
SCOTT & KIM KING PROPERTIES, LLC.
P. O. BOX 446
CHAVIES, KY 41727

2 PARCEL 034-20-03-004.00
KRISTY & BRIAN BRIDGES
P. O. BOX 314
CHAVIES, KY 41727

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

GENERAL NOTES:

1. THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY, AND IS NOT A BOUNDARY SURVEY DOCUMENT.
2. PARCEL NUMBERS SHOWN THUS (00), ARE OF RECORD IN THE TAX ASSESSOR'S OFFICE OF PERRY COUNTY, KENTUCKY.
3. ALL INFORMATION SHOWN HEREON WS OBTAINED FROM THE RECORDS OF THE DAVIESS COUNTY, KENTUCKY, PROPERTY VALUATION ADMINISTRATION OFFICE ON APRIL 29, 2025. THE PROPERTY VALUATION ADMINISTRATION OFFICE MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO THE INACCURACIES AND TIME LAPSE IN UPDATING RECORD FILES.
4. PROPERTY OWNER:

PERRY COUNTY, KY PUBLIC PROPERTIES
P. O. DRAWER 210
HAZARD, KY 41702

PLOT DATE: APRIL 30, 2025

verticalbridge

SHARONDALE SURVEYING INC.
7733 SECOND FIDDLE WAY
ARRINGTON, TN 37014
(615) 513-0032
E-Mail: Sharndal@bellsouth.net

500' RADIUS & ABUTTERS MAP
TAX PARCEL 034-20-03-001.00
PROPERTY VALUATION ADMINISTRATOR'S OFFICE
HAZARD, PERRY COUNTY, KENTUCKY
PREPARED FOR: VB BTS III LLC
PERRY COUNTY KY PUBLIC PROPERTIES - PROPERTY OWNER

SHEET NUMBER:
1 OF 1

PROJECT NUMBER:
225.003.30

EXHIBIT C
TOWER AND FOUNDATION DESIGN

Chavies Gays Creek – List of Qualified Professionals

Stephen M. Carpenter
Professional Engineer, Kentucky License 22803
Gen7 Engineering LLC.
8101 Gann Road
Soddy Daisy TN, 37379

F.V. Nelley
Licensed Professional Land Surveyor, License No. 3093
Sharondale Surveying Inc
7733 Second Fiddle Way
Arrington, TN 37014

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

Brad R. Milanowski
Professional Engineer, Kentucky License 25311
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119

Sherri Lewis
RF Engineer
534 Armory Place
Louisville, KY 40202

Josh Sizemore, Construction Manager
Vertical Bridge
750 Park of Commerce Dr
Suite 200
Boca Raton, FL 33487

May 15, 2025

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

RE: Site Name – Chavies (US-KY-5202)
Proposed Cell Tower; 255' SST
LAT LONG: N37 20 43.65 W83 21 25.79 – Ground Elevation 931'

Dear Commissioners:

The Construction Manager for the proposed new communications facility will be Josh Sizemore. His contact information is (770) 875-5351 or Josh.Sizemore@verticalbridge.com

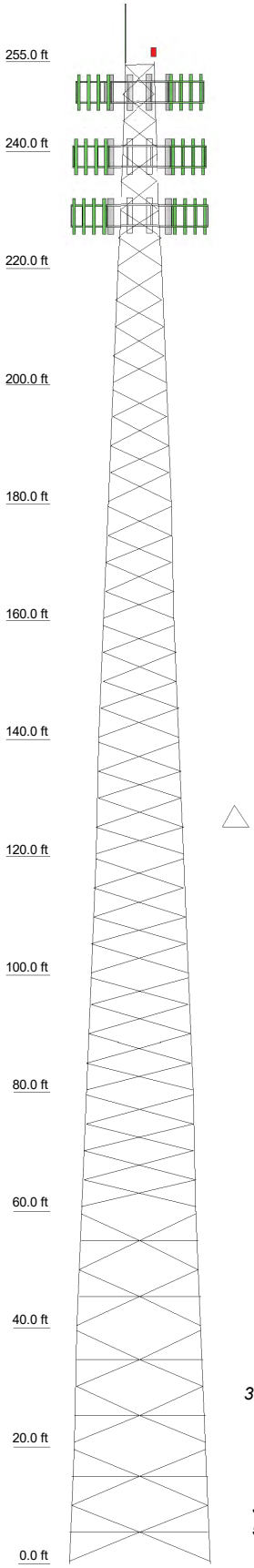
Josh has been in the industry completing civil construction and constructing towers since 2010. He has worked at Vertical Bridge since 2022 completing project and construction management on new site build projects.

Thank you,

Josh Sizemore

Josh Sizemore, Construction Manager – KY/TN/AL/GA Market
(770)875-5351

Section	T13	Legs	T12	Leg Grade	T11	Diagonals	T10	Diagonal Grade	T9	Top Girts	T8	Horizontals	T7	Inner Bracing	T6	Face Width (ft)	T5	# Panels @ (ft)	T4	Weight (K)	T3	T2	T1
		SR 4		2L2 1/2x2 1/2x3/16x3/8		SR 3 3/4		L3x3x1/4		A		N.A.		A529-50		A36M-50		L2 1/2x2 1/2x3/16		L3x3x3/16		L2x2x3/16		L1 3/4x1 3/4x3/16		SR 2		SR 1 3/4
		B		2L2x2x3/16x3/8		N.A.		L1 3/4x1 3/4x3/16																				
		24		22.5		21		19.5		18		16.5		15		13.5		12		10.5		9		7.5		6		4.875
		40.1		5.4		5.1		4.6		4.5		4.1		3.4		3.0		2.4		2.3		1.8		1.6		1.1		0.7
														48 @ 4.75														3 @ 4.66667



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
10' Lightning Rod	255	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	239
Top Beacon	255		
Sector1(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	250	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	239
Sector2(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	250	Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	229
Sector3(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	250	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	229
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	239	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	229

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x3/16	B	2L2 1/2x2 1/2x3/16x3/8

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 Perry County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 105 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity.

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 425 K
SHEAR: 32 K

UPLIFT: -360 K
SHEAR: 28 K

AXIAL 190 K
SHEAR 7 K *MOMENT 1233 kip-ft*
TORQUE 1 kip-ft
30 mph WIND - 1.500 in ICE

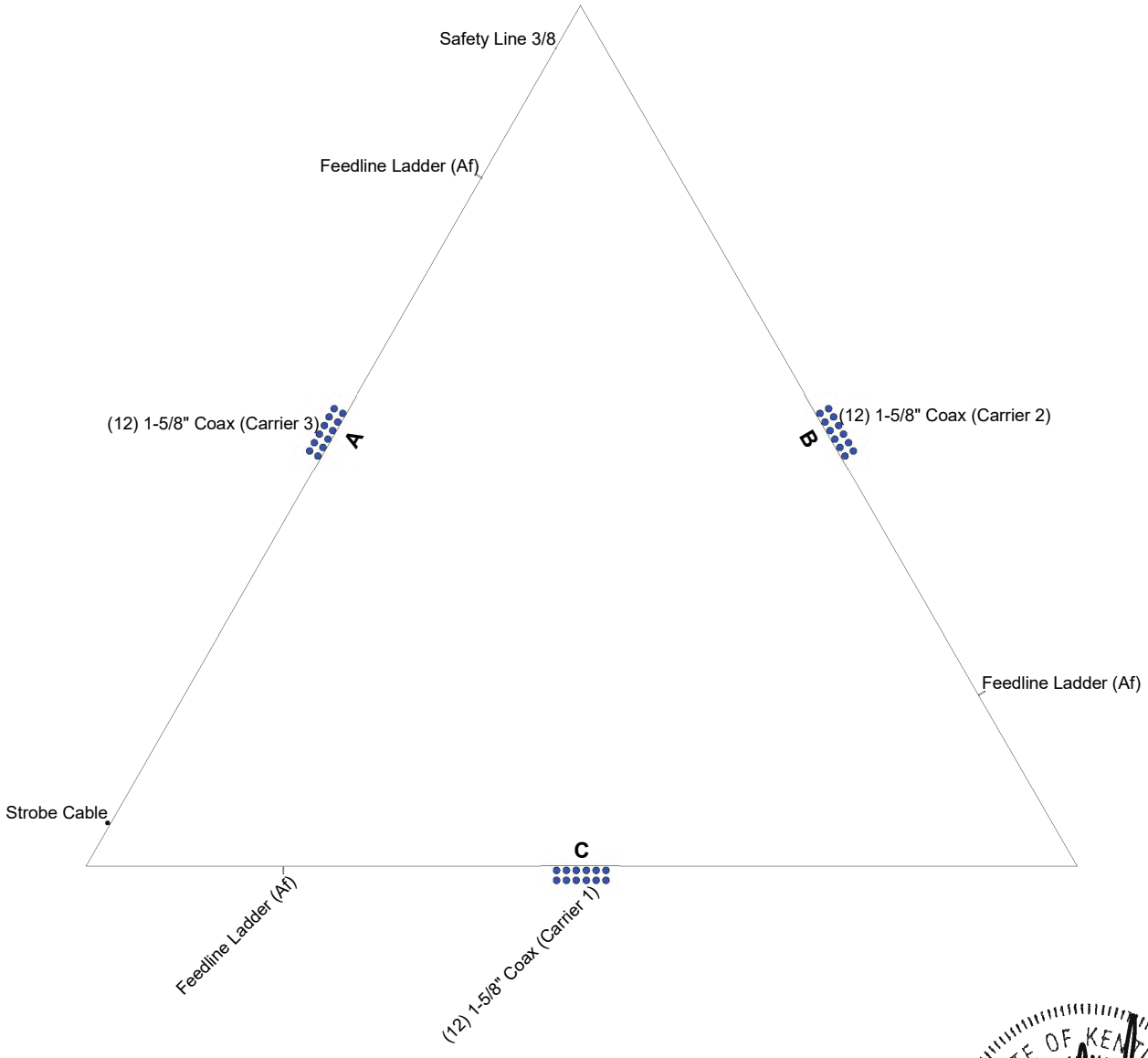
AXIAL 71 K
SHEAR 54 K *MOMENT 8342 kip-ft*
TORQUE 7 kip-ft
REACTIONS - 105 mph WIND

ARCOSA
TELECOM STRUCTURES

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

Job:	***ATS#: B805 - Chavies (Site# US-KY-5202)***		
Project:	***255' SST/37.33201, -83.392564***		
Client: Vertical Bridge	Drawn by: clint.coody	App'd:	
Code: TIA-222-H	Date: 06/10/25	Scale: NTS	
Path: S:\Projects\Arcosa Telecom Structures\Chavies_B805\Engineering\tnxTower\0525-064_255SST_Chavies.eri		Dwg No. E-1	

Feed Line Plan



STATE OF KENTUCKY
BRAD R. MLANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER

6/17/25

ARCOSA
TELECOM STRUCTURES

B+T GRP
B+T Group, Inc.
1717 S Boulder Ave, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
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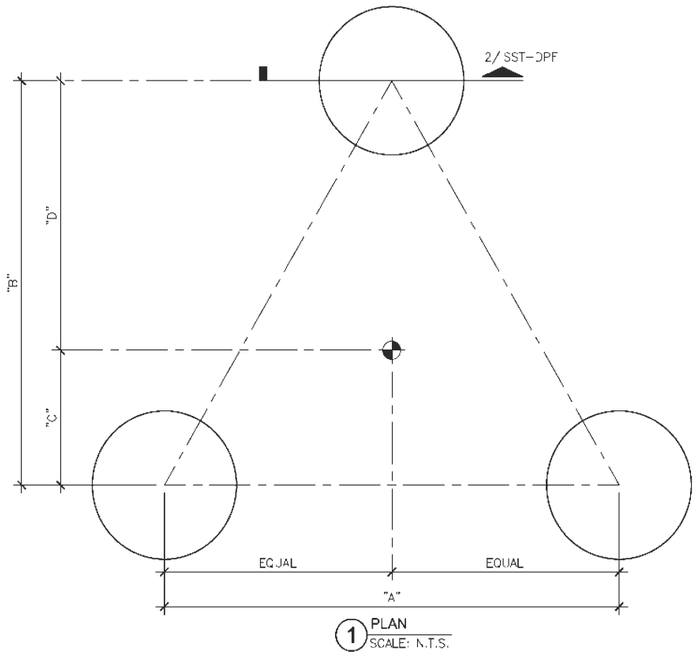
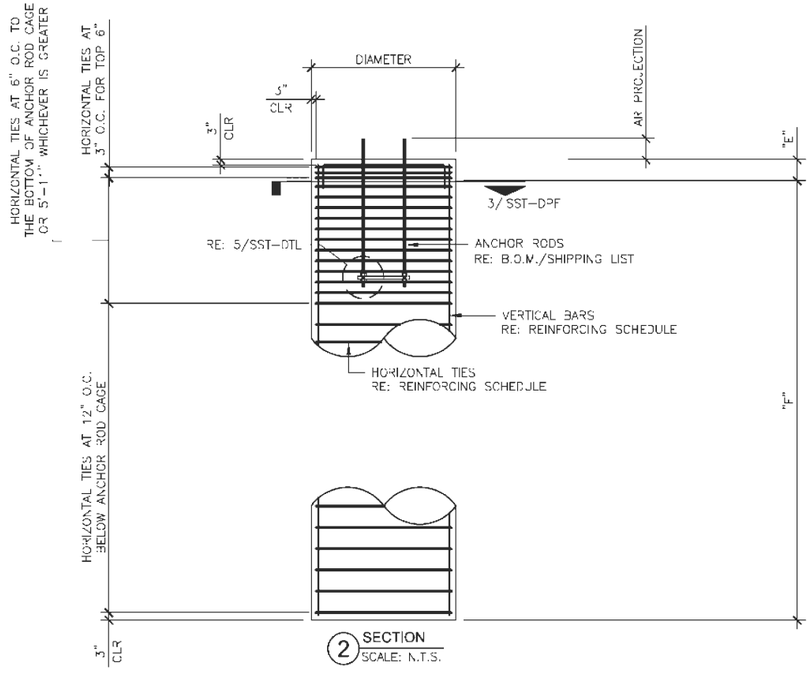
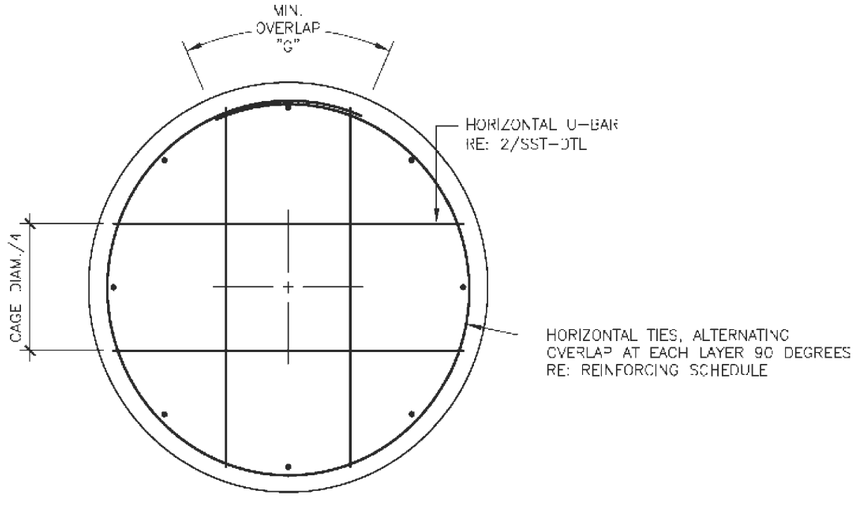
Project:	***255' SST/37.33201, -83.392564***		
Client: Vertical Bridge	Drawn by: clint.coody	App'd:	
Code: TIA-222-H	Date: 06/10/25	Scale: NTS	
Path: S:\Projects\Arcosa Telecom Structures\Chavies_B805\Engineering\tnxTower\0525-064_255SST_Chavies.er		Dwg No. E-7	



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.



3 SECTION
SCALE: N.T.S.

NOTES:

1. 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.
2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
3. 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: ENGINEERED TOWER SOLUTIONS
   PROJECT NUMBER: 25136042
   DATE: JUNE 6, 2025
4. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
5. TOTAL CONCRETE VOLUME FOR ALL (3) PIERS IN CUBIC YARDS: 60
6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14
8. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
9. 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.
10. 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.
11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FO 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	27' 0"
MIN. OVERLAP "G"	2' 3"
DIAMETER	5' 0"
AR PROJECTION	10 IN.

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS	# 8	54
HORIZONTAL TIES	# 4	105
U-BAR HORIZONTAL	# 4	12

BASE REACTIONS: (FACTORED LOADS)		
GLOBAL REACTIONS		
MOMENT	8342	KIP-FT
AXIAL	71	KIPS
SHEAR	54	KIPS
REACTIONS PER LEG		
COMPRESSION AXIAL	425	KIPS
COMPRESSION SHEAR	32	KIPS
UPLIFT AXIAL	360	KIPS
UPLIFT SHEAR	28	KIPS

B+T GRP
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	06/17/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2025

STATE OF KENTUCKY
BRAD R. MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
6/17/25

PROJECT INFORMATION:

PROJECT NO: 25-003949
SITE NAME: CHAVIES
SITE NO: B805
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: CLINT COODY
CHECKED BY: JL

SHEET TITLE:

DRILLED PIER FOUNDATION

SHEET NUMBER: SST-DPF

REVISION: 0

DIMENSIONING SCHEDULE	
A	30' 6"
B	3' 3"
C	24' 0"
D	4' 10-5/16"
E	20' 9-7/16"
F	3' 5-9/16"
J	0' 6"
K	6' 0"
L	2' 0"
MIN. OVERLAP "M"	2' 3"
DIAMETER	3' 0"
AR PROJECTION	10 IN.

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS WITH 90° BEND	# 8	30
HORIZONTAL TIES	# 4	42
HORIZONTAL U-BAR (PEDESTAL	# 4	12
TOP HORIZONTAL BARS	# 8	64
BOTTOM HORIZONTAL BARS	# 8	64
CORNER BARS	# 4	8
VERTICAL U-BARS (PAD	# 4	128

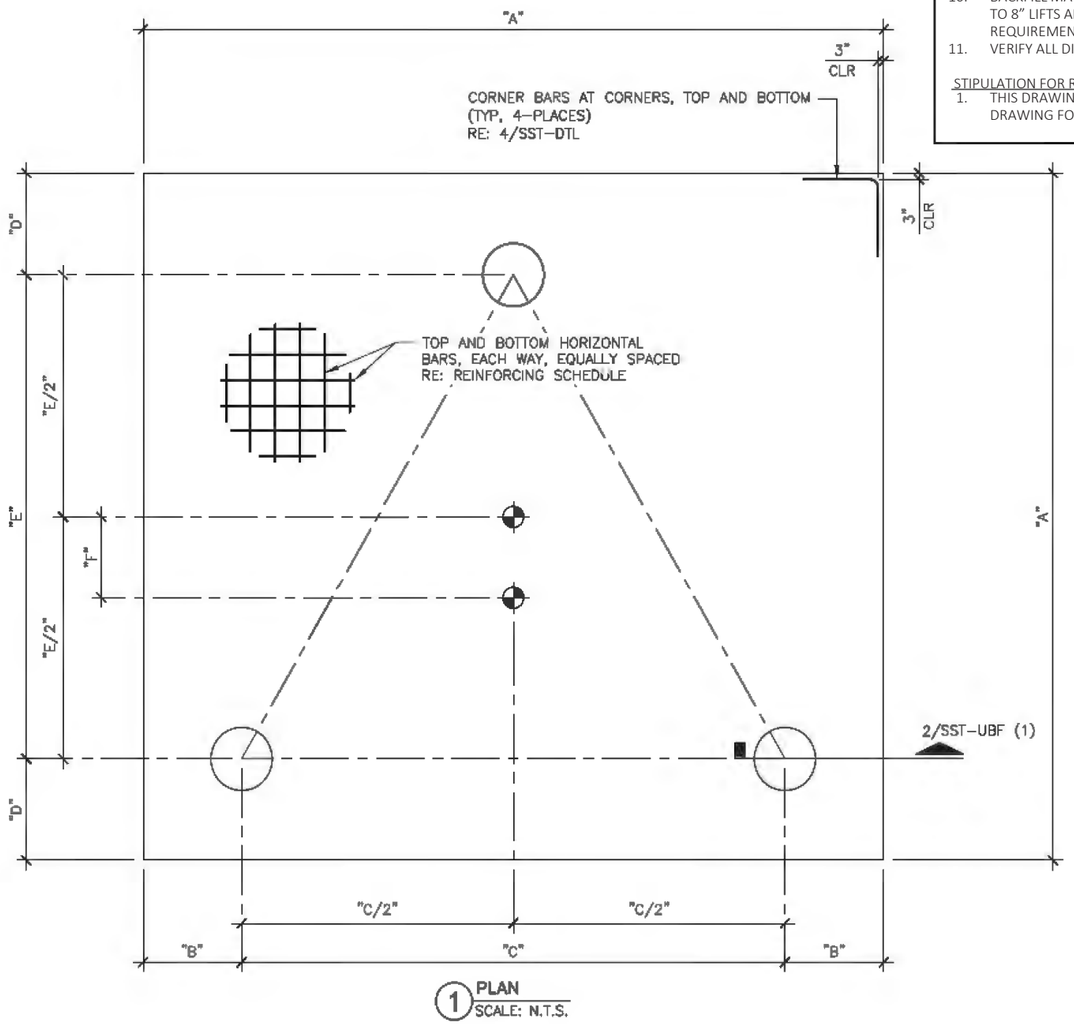
BASE REACTIONS: (FACTORED LOADS)		
GLOBAL REACTIONS		
MOMENT	8342	KIP-FT
AXIAL	71	KIPS
SHEAR	54	KIPS
REACTIONS PER LEG		
COMPRESSION AXIAL	425	KIPS
COMPRESSION SHEAR	32	KIPS
UPLIFT AXIAL	360	KIPS
UPLIFT SHEAR	28	KIPS

NOTES:

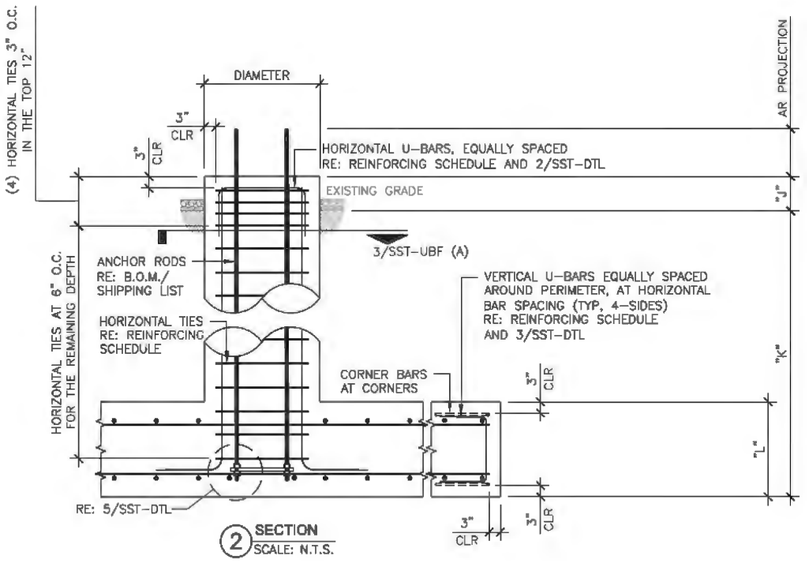
1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 4
   WITH 3" MINIMUM CLEAR COVER.
2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE ACI 315 (LATEST EDITION).
3. 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: ENGINEERED TOWER SOLUTIONS
   PROJECT NUMBER: 25136042
   DATE: JUNE 6, 2025
4. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
5. CONCRETE VOLUME IN CUBIC YARDS: 72.44
6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
8. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
9. 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 T ASTM C260.
10. 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.
11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

STIPULATION FOR REUSE:

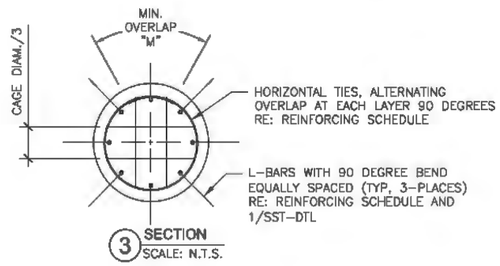
1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.



3 SECTION
SCALE: N.T.S.

B+T GRP
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	06/17/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2025

STATE OF KENTUCKY
BRAD R. MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
6/17/25

PROJECT INFORMATION:

PROJECT NO: 25-003949
SITE NAME: CHAVIES
SITE NO: B805
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: CLINT COODY
CHECKED BY: JL

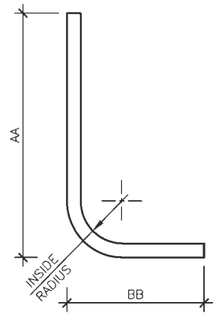
SHEET TITLE:

UNIT BASE FOUNDATION

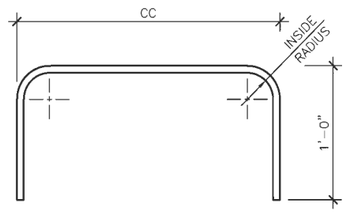
SHEET NUMBER:	REVISION:
SST-UBF	0

DIMENSIONING SCHEDULE	
AA*	5' 10"
BB	1' 3"
CC*	VARIES
DD*	1' 6"
EE	3' 0"

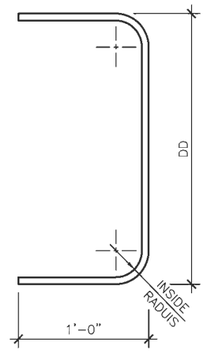
*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION



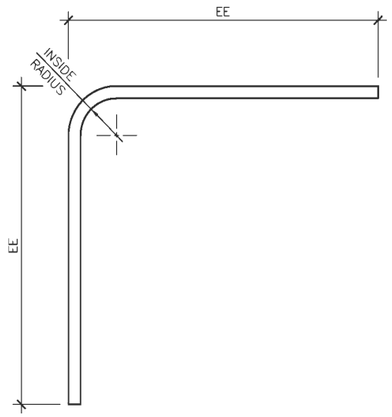
1 L-BAR
SCALE: N.T.S.



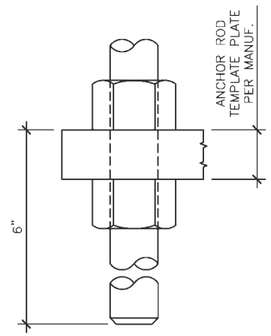
2 HORIZONTAL U-BAR
SCALE: N.T.S.



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



4 CORNER BAR
SCALE: N.T.S.



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

B+T GRP
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	06/17/25	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2025

STATE OF KENTUCKY
BRAD R. MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
6/17/25

PROJECT INFORMATION:

PROJECT NO: 25-003949
SITE NAME: CHAVIES
SITE NO: B805
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: CLINT COODY
CHECKED BY: JL

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER: SST-DTL

REVISION: 0

Drilled Pier Foundation

Project # :	25-003949
Site Name:	Chavies
Site Number:	B805
TIA-222 Revison:	H
Tower Type:	Self Support

Applied Loads	Comp.	Uplift
Moment (kip-ft)		
Axial Force (kips)	425	360
Shear Force (kips)	32	28

Material Properties		
Concrete Strength, f'c:	4	ksi
Rebar Strength, Fy:	60	ksi
Tie Yield Strength, Fyt:	40	ksi

Pier Design Data		
Depth	27	ft
Ext. Above Grade	0.5	ft
Pier Section 1		
From 0.5' above grade to 27' below grade		
Pier Diameter	5	ft
Rebar Quantity	18	
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)	15.84	15.84
Soil Safety Factor	26.38	30.15
Max Moment (kip-ft)	358.30	313.51
Rating	*5.0%*	*4.4%*
Soil Vertical Check	*Compression*	*Uplift*
Skin Friction (kips)	312.90	312.90
End Bearing (kips)	641.19	-
Weight of Concrete (kips)	97.19	72.89
Total Capacity (kips)	954.10	385.80
Axial (kips)	522.19	360.00
Rating	*54.7%*	*93.3%*
Reinforced Concrete Flexure	*Compression*	*Uplift*
Critical Depth (ft from TOC)	16.03	14.07
Critical Moment (kip-ft)	358.21	307.56
Critical Moment Capacity	2305.33	1160.68
Rating	*15.5%*	*26.5%*
Reinforced Concrete Shear	*Compression*	*Uplift*
Critical Depth (ft from TOC)	22.76	22.76
Critical Shear (kip)	71.94	62.95
Critical Shear Capacity	500.49	260.63
Rating	*14.4%*	*24.2%*

Structural Foundation Rating	**26.5%**
Soil Interaction Rating	**93.3%**

Check Limitation	
Apply TIA-222-H Section 15.5:	☐
N/A	☐
Design Options	
Input Effective Depths (else Actual):	☐
Consider non-tapered moment capacity:	☐
Check Shear along Depth of Pier:	☑
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

Go to Soil Calculations

Soil Profile

Groundwater Depth	N/A	# of Layers	7

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ_{soil} (pcf)	$\gamma_{concrete}$ (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	105	150			0.000	0.000	0.00	0.00			Cohesionless
2	2.5	3	0.5	105	150		27	0.000	0.000	0.00	0.00			Cohesionless
3	3	5	2	120	150		30	0.000	0.000	0.20	0.20			Cohesionless
4	5	8	3	130	150		38	0.000	0.000	0.40	0.40			Cohesionless
5	8	12	4	130	150		38	0.000	0.000	0.60	0.60			Cohesionless
6	12	18.6	6.6	130	150		38	0.000	0.000	1.00	1.00			Cohesionless
7	18.6	27	8.4	145	150	10		4.50	4.50	1.90	1.90	40		Cohesive

SST Unit Base Foundation

Project #:	25-003949
Site Name:	Chavies
Site #:	B805
TIA-222 Revision:	H

Top & Bot. Pad Rein. Different?:	☐
Tower Centroid Offset?:	☑
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Global Moment, **M**:	8342	ft-kips
Global Axial, **P**:	71	kips
Global Shear, **V**:	54	kips
Leg Compression, P_{comp}:	425	kips
Leg Comp. Shear, V_{u_comp}:	32	kips
Leg Uplift, P_{uplift}:	360	kips
Leg Uplift. Shear, V_{u_uplift}:	28	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
Lateral (Sliding) (kips)	252.49	54.00	**21.4%**	**Pass**
Bearing Pressure (ksf)	7.99	6.16	**77.1%**	**Pass**
*Overturning (kip*ft)*	9620.19	8935.59	**92.9%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	833.32	144.00	**17.3%**	**Pass**
*Pier Flexure (Tension) (kip*ft)*	138.49	126.00	**91.0%**	**Pass**
Pier Compression (kip)	4499.01	430.73	**9.6%**	**Pass**
*Pad Flexure (kip*ft)*	2148.99	1893.27	**88.1%**	**Pass**
Pad Shear - 1-way (kips)	677.08	300.13	**44.3%**	**Pass**
Pad Shear - Comp 2-way (ksi)	0.190	0.130	**68.7%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	905.00	86.40	**9.5%**	**Pass**
Pad Shear - Tension 2-way (ksi)	0.190	0.133	**69.9%**	**Pass**
*Flexural 2-way (Tension) (kip*ft)*	905.00	75.60	**8.4%**	**Pass**

Structural Rating:	**91.0%**
Soil Rating:	**92.9%**

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	3.0	ft
Ext. Above Grade, **E**:	0.50	ft
Pier Rebar Size, **Sc**:	8	
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

Pad Properties		
Depth, **D**:	6.00	ft
Pad Width, W_1:	30.50	ft
Pad Thickness, **T**:	2.00	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	8	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	32	
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:	109	pcf
Ultimate Net Bearing, Qnet:	10.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	27	degrees
SPT Blow Count, N_{blows}:	15	
Base Friction, μ:	0.35	
Neglected Depth, **N**:	2.5	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	N/A	ft

<-- Toggle between Gross and Net

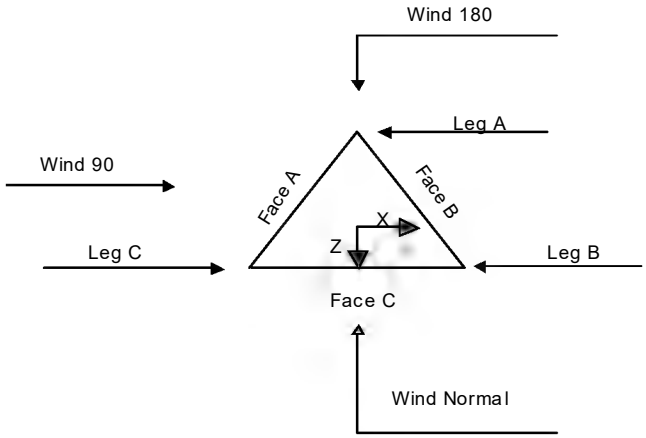
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 255.000 ft above the ground line.
The base of the tower is set at an elevation of 0.000 ft above the ground line.
The face width of the tower is 4.875 ft at the top and 24.000 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Perry County, Kentucky.
Tower base elevation above sea level: 1533.000 ft.
Basic wind speed of 105 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.500 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 30 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity..
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-H Bracing Resist. Exemption
Kz In Exposure D Hurricane Region	Alternative Appurt. EPA Calculation	Use TIA-222-H 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		



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation ft	Assembly Database	Description	Section Width ft	Number of Sections	Section Length 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 ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset 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

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T3	220.000-200.000	4.750	X Brace	No	No	6.000	6.000
T4	200.000-180.000	4.750	X Brace	No	No	6.000	6.000
T5	180.000-160.000	4.750	X Brace	No	No	6.000	6.000
T6	160.000-140.000	4.750	X Brace	No	No	6.000	6.000
T7	140.000-120.000	4.750	X Brace	No	No	6.000	6.000
T8	120.000-100.000	4.750	X Brace	No	No	6.000	6.000
T9	100.000-80.000	4.750	X Brace	No	No	6.000	6.000
T10	80.000-60.000	4.750	X Brace	No	No	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 ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 255.000-240.000	Solid Round	1 3/4	A529-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
T2 240.000-220.000	Solid Round	2	A529-50 (50 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)
T3 220.000-200.000	Solid Round	2 1/2	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A36M-50 (50 ksi)
T4 200.000-180.000	Solid Round	2 3/4	A529-50 (50 ksi)	Equal Angle	L2x2x3/16	A36M-50 (50 ksi)
T5 180.000-160.000	Solid Round	3	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
T6 160.000-140.000	Solid Round	3	A529-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36M-50 (50 ksi)
T7 140.000-120.000	Solid Round	3 1/4	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A36M-50 (50 ksi)
T8 120.000-100.000	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x3/16	A36M-50 (50 ksi)
T9 100.000-80.000	Solid Round	3 1/2	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A36M-50 (50 ksi)
T10 80.000-60.000	Solid Round	3 3/4	A529-50 (50 ksi)	Equal Angle	L3x3x1/4	A36M-50 (50 ksi)
T11 60.000-40.000	Solid Round	3 3/4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
T12 40.000-20.000	Solid Round	4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)
T13 20.000-0.000	Solid Round	4	A529-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 255.000-240.000	Equal Angle	L1 3/4x1 3/4x3/16	A36M-50 (50 ksi)	Solid Round		A36M-50 (50 ksi)

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
T11 60.000-40.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2x2x3/16x3/8	A36M-50 (50 ksi)
T12 40.000-20.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2x2x3/16x3/8	A36M-50 (50 ksi)
T13 20.000-0.000	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36M-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
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 220.000-200.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T4 200.000-180.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T5 180.000-160.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T6	0.000	0.375	A36M-50	1	1	1	36.000	36.000	36.000

Tower Elevation ft	Gusset Area (per face) ft²	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
160.000-140.000			(50 ksi)						
T7 140.000-120.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T8 120.000-100.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T9 100.000-80.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T10 80.000-60.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	36.000	36.000	36.000
T11 60.000-40.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
T12 40.000-20.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000
T13 20.000-0.000	0.000	0.375	A36M-50 (50 ksi)	1	1	1	Mid-Pt	Mid-Pt	36.000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T1 255.000-240.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 240.000-220.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 220.000-200.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 200.000-180.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T5 180.000-160.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T6 160.000-140.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T7 140.000-120.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T8 120.000-100.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T9 100.000-80.000	No	No	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T10	No	No	1	1	1	1	1	1	1	1
80.000-60.000				1	1	1	1	1	1	1
T11	No	No	1	1	1	1	1	1	1	1
60.000-40.000				1	1	1	1	1	1	1
T12	No	No	1	1	1	1	1	1	1	1
40.000-20.000				1	1	1	1	1	1	1
T13	No	No	1	1	1	1	1	1	1	1
20.000-0.000				1	1	1	1	1	1	1

[1]*Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.*

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Net Width Deduct in	Leg U	Diagonal Net Width Deduct in	Diagonal U	Top Girt Net Width Deduct in	Top Girt U	Bottom Girt Net Width Deduct in	Bottom Girt U	Mid Girt Net Width Deduct in	Mid Girt U	Long Horizontal Net Width Deduct in	Long Horizontal U	Short Horizontal Net Width Deduct in	Short Horizontal U
T1	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
255.000-240.000														
T2	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
240.000-220.000														
T3	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
220.000-200.000														
T4	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
200.000-180.000														
T5	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
180.000-160.000														
T6	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
160.000-140.000														
T7	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
140.000-120.000														
T8	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
120.000-100.000														
T9	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
100.000-80.000														
T10	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
80.000-60.000														
T11	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
60.000-40.000														
T12	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
40.000-20.000														

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
T13 20.000-0.000	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 255.000-240.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T2 240.000-220.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T3 220.000-200.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T4 200.000-180.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	0.000	0.75 (3)	0.000	0.75 (3)							0.000	0.75 (3)	0.000	0.75 (3)
	0.000	0.75 (4)	0.000	0.75 (4)							0.000	0.75 (4)	0.000	0.75 (4)
T5 180.000-160.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)
	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 Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T6 160.000-140.000	0.000	0.75 (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)
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	0.75	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)
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	0.75	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)
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	0.75	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)
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	0.75	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)
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	0.75	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)
T12 40.000-20.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75 (1)	0.000	0.75 (1)
	0.000	0.75 (2)	0.000	0.75 (2)							0.000	0.75 (2)	0.000	0.75 (2)

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
	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
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

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.
T9 100.000-80.000	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
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	0.000 A325X	0	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	12	6	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
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

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C_AA_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_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	255.000-240.000	A	0.000	0.000	2.438	0.000	0.014
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	24.177	0.000	0.182
T2	240.000-220.000	A	0.000	0.000	25.009	0.000	0.183
		B	0.000	0.000	45.936	0.000	0.347
		C	0.000	0.000	48.353	0.000	0.365
T3	220.000-200.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T4	200.000-180.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T5	180.000-160.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T6	160.000-140.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T7	140.000-120.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T8	120.000-100.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T9	100.000-80.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T10	80.000-60.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T11	60.000-40.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T12	40.000-20.000	A	0.000	0.000	51.603	0.000	0.383
		B	0.000	0.000	48.353	0.000	0.365
		C	0.000	0.000	48.353	0.000	0.365
T13	20.000-0.000	A	0.000	0.000	25.802	0.000	0.192
		B	0.000	0.000	24.177	0.000	0.182
		C	0.000	0.000	24.177	0.000	0.182

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_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	30.387	0.000	0.723
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	60.632	0.000	1.438
T3	220.000-200.000	A	1.805	0.000	0.000	78.147	0.000	1.679

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B		0.000	0.000	60.457	0.000	1.429
		C		0.000	0.000	60.457	0.000	1.429
T4	200.000-180.000	A	1.787	0.000	0.000	77.813	0.000	1.665
		B		0.000	0.000	60.267	0.000	1.420
		C		0.000	0.000	60.267	0.000	1.420
T5	180.000-160.000	A	1.767	0.000	0.000	77.446	0.000	1.651
		B		0.000	0.000	60.058	0.000	1.409
		C		0.000	0.000	60.058	0.000	1.409
T6	160.000-140.000	A	1.745	0.000	0.000	77.038	0.000	1.634
		B		0.000	0.000	59.826	0.000	1.398
		C		0.000	0.000	59.826	0.000	1.398
T7	140.000-120.000	A	1.720	0.000	0.000	76.577	0.000	1.616
		B		0.000	0.000	59.564	0.000	1.385
		C		0.000	0.000	59.564	0.000	1.385
T8	120.000-100.000	A	1.692	0.000	0.000	76.048	0.000	1.595
		B		0.000	0.000	59.263	0.000	1.370
		C		0.000	0.000	59.263	0.000	1.370
T9	100.000-80.000	A	1.658	0.000	0.000	75.425	0.000	1.571
		B		0.000	0.000	58.908	0.000	1.352
		C		0.000	0.000	58.908	0.000	1.352
T10	80.000-60.000	A	1.617	0.000	0.000	74.661	0.000	1.542
		B		0.000	0.000	58.474	0.000	1.331
		C		0.000	0.000	58.474	0.000	1.331
T11	60.000-40.000	A	1.564	0.000	0.000	73.669	0.000	1.504
		B		0.000	0.000	57.910	0.000	1.304
		C		0.000	0.000	57.910	0.000	1.304
T12	40.000-20.000	A	1.486	0.000	0.000	72.226	0.000	1.450
		B		0.000	0.000	57.089	0.000	1.265
		C		0.000	0.000	57.089	0.000	1.265
T13	20.000-0.000	A	1.331	0.000	0.000	34.681	0.000	0.673
		B		0.000	0.000	27.732	0.000	0.595
		C		0.000	0.000	27.732	0.000	0.595

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	255.000-240.000	-1.006	3.077	-2.585	1.983
T2	240.000-220.000	0.803	-2.183	-0.314	-1.045
T3	220.000-200.000	-0.701	-3.955	-1.674	-2.918
T4	200.000-180.000	-0.773	-4.337	-1.851	-3.228
T5	180.000-160.000	-0.768	-4.326	-1.929	-3.388
T6	160.000-140.000	-0.820	-4.616	-2.058	-3.632
T7	140.000-120.000	-0.792	-4.483	-2.075	-3.703
T8	120.000-100.000	-0.822	-4.651	-2.155	-3.875
T9	100.000-80.000	-0.853	-4.829	-2.226	-4.044
T10	80.000-60.000	-0.877	-4.960	-2.277	-4.188
T11	60.000-40.000	-1.154	-6.413	-2.742	-5.069
T12	40.000-20.000	-1.187	-6.595	-2.777	-5.268
T13	20.000-0.000	-0.688	-3.903	-1.583	-3.215

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	7	Safety Line 3/8	240.00 - 255.00	0.6000	0.6000
T1	8	Strobe Cable	240.00 - 255.00	0.6000	0.6000
T1	10	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	7	Safety Line 3/8	220.00 - 240.00	0.6000	0.6000
T2	8	Strobe Cable	220.00 - 240.00	0.6000	0.6000
T2	10	Feedline Ladder (Af)	220.00 - 240.00	0.6000	0.6000
T2	11	Feedline Ladder (Af)	220.00 - 239.00	0.6000	0.6000
T2	12	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	Safety Line 3/8	200.00 - 220.00	0.6000	0.6000
T3	8	Strobe Cable	200.00 - 220.00	0.6000	0.6000
T3	10	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.6000
T3	11	Feedline Ladder (Af)	200.00 - 220.00	0.6000	0.6000
T3	12	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
T4	7	Safety Line 3/8	180.00 - 200.00	0.6000	0.6000
T4	8	Strobe Cable	180.00 - 200.00	0.6000	0.6000
T4	10	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T4	11	Feedline Ladder (Af)	180.00 - 200.00	0.6000	0.6000
T4	12	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 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T5	5	1-5/8" Coax	160.00 - 180.00	0.6000	0.6000
T5	7	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T5	8	Strobe Cable	160.00 - 180.00	0.6000	0.6000
T5	10	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T5	11	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T5	12	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	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T6	8	Strobe Cable	140.00 - 160.00	0.6000	0.6000
T6	10	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T6	11	Feedline Ladder (Af)	140.00 - 160.00	0.6000	0.6000
T6	12	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	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T7	8	Strobe Cable	120.00 - 140.00	0.6000	0.6000
T7	10	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T7	11	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T7	12	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	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T8	8	Strobe Cable	100.00 - 120.00	0.6000	0.6000
T8	10	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T8	11	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T8	12	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

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
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	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T9	8	Strobe Cable	80.00 - 100.00	0.6000	0.6000
T9	10	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T9	11	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T9	12	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	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T10	8	Strobe Cable	60.00 - 80.00	0.6000	0.6000
T10	10	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T10	11	Feedline Ladder (Af)	60.00 - 80.00	0.6000	0.6000
T10	12	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	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T11	8	Strobe Cable	40.00 - 60.00	0.6000	0.6000
T11	10	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T11	11	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T11	12	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	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T12	8	Strobe Cable	20.00 - 40.00	0.6000	0.6000
T12	10	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T12	11	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T12	12	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	Safety Line 3/8	10.00 - 20.00	0.6000	0.6000
T13	8	Strobe Cable	10.00 - 20.00	0.6000	0.6000
T13	10	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000
T13	11	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000
T13	12	Feedline Ladder (Af)	10.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_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 2" Ice	1.000 2.017 3.050 5.148	1.000 2.017 3.050 5.148	0.040 0.049 0.065 0.116
Top Beacon	B	From Leg	0.000 0.000	0.000	255.000	No Ice 1/2" Ice	2.700 3.100	2.700 3.100	0.050 0.070

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert* *ft* *ft* *ft*	*Azimuth Adjustment* °	*Placement* *ft*		*C_AA_A Front* *ft²*	*C_AA_A Side* *ft²*	*Weight* *K*
			1.000			1" Ice	3.500	3.500	0.090
						2" Ice	4.300	4.300	0.130
**									
Sector1(CaAa=13333.33	A	From Leg	4.000	0.000	250.000	No Ice	92.592	62.036	0.700
Sq.in)No Ice			0.000			1/2" Ice	115.740	77.546	1.400
(Carrier 1)			0.000			1" Ice	138.888	93.056	2.100
						2" Ice	185.184	124.076	3.500
Sector2(CaAa=13333.33	B	From Leg	4.000	0.000	250.000	No Ice	92.592	62.036	0.700
Sq.in)No Ice			0.000			1/2" Ice	115.740	77.546	1.400
(Carrier 1)			0.000			1" Ice	138.888	93.056	2.100
						2" Ice	185.184	124.076	3.500
Sector3(CaAa=13333.33	C	From Leg	4.000	0.000	250.000	No Ice	92.592	62.036	0.700
Sq.in)No Ice			0.000			1/2" Ice	115.740	77.546	1.400
(Carrier 1)			0.000			1" Ice	138.888	93.056	2.100
						2" Ice	185.184	124.076	3.500
**									
Sector1(CaAa=10000	A	From Leg	4.000	0.000	239.000	No Ice	69.444	46.527	0.700
Sq.in)No Ice			0.000			1/2" Ice	86.805	58.159	1.400
(Carrier 2)			0.000			1" Ice	104.166	69.791	2.100
						2" Ice	138.888	93.055	3.500
Sector2(CaAa=10000	B	From Leg	4.000	0.000	239.000	No Ice	69.444	46.527	0.700
Sq.in)No Ice			0.000			1/2" Ice	86.805	58.159	1.400
(Carrier 2)			0.000			1" Ice	104.166	69.791	2.100
						2" Ice	138.888	93.055	3.500
Sector3(CaAa=10000	C	From Leg	4.000	0.000	239.000	No Ice	69.444	46.527	0.700
Sq.in)No Ice			0.000			1/2" Ice	86.805	58.159	1.400
(Carrier 2)			0.000			1" Ice	104.166	69.791	2.100
						2" Ice	138.888	93.055	3.500
**									
Sector1(CaAa=10000	A	From Leg	4.000	0.000	229.000	No Ice	69.444	46.527	0.700
Sq.in)No Ice			0.000			1/2" Ice	86.805	58.159	1.400
(Carrier 3)			0.000			1" Ice	104.166	69.791	2.100
						2" Ice	138.888	93.055	3.500
Sector2(CaAa=10000	B	From Leg	4.000	0.000	229.000	No Ice	69.444	46.527	0.700
Sq.in)No Ice			0.000			1/2" Ice	86.805	58.159	1.400
(Carrier 3)			0.000			1" Ice	104.166	69.791	2.100
						2" Ice	138.888	93.055	3.500
Sector3(CaAa=10000	C	From Leg	4.000	0.000	229.000	No Ice	69.444	46.527	0.700
Sq.in)No Ice			0.000			1/2" Ice	86.805	58.159	1.400
(Carrier 3)			0.000			1" Ice	104.166	69.791	2.100
						2" Ice	138.888	93.055	3.500
**									

Load Combinations

Comb. No.	*Description*
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice

Comb. No.	Description
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
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	11.991	0.807	-0.001
			Max. Compression	2	-13.967	0.489	0.000
			Max. Mx	2	-13.965	-0.868	0.001
			Max. My	6	-7.438	-0.404	0.381
			Max. Vy	2	-2.714	0.489	0.000
			Max. Vx	10	1.619	-0.060	-0.107
		Diagonal	Max Tension	8	3.504	0.000	0.000

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	8	-3.401	0.000	0.000
			Max. Mx	35	0.501	0.019	-0.001
			Max. My	20	-3.382	0.004	0.008
			Max. Vy	32	0.023	0.018	0.002
			Max. Vx	20	-0.002	0.000	0.000
		Top Girt	Max Tension	22	0.516	0.000	0.000
			Max. Compression	11	-0.469	0.000	0.000
			Max. Mx	26	0.027	-0.037	0.000
			Max. My	34	-0.037	0.000	0.001
			Max. Vy	26	0.030	0.000	0.000
			Max. Vx	34	0.001	0.000	0.000
T2	240 - 220	Leg	Max Tension	15	50.486	1.806	-0.004
			Max. Compression	2	-57.050	1.235	-0.003
			Max. Mx	2	-57.045	-2.258	0.005
			Max. My	6	-29.730	-1.022	1.064
			Max. Vy	2	-6.980	1.235	-0.003
			Max. Vx	6	3.008	0.561	-0.440
		Diagonal	Max Tension	4	7.542	0.000	0.000
			Max. Compression	20	-6.849	0.000	0.000
			Max. Mx	29	0.899	0.029	0.002
			Max. My	8	-5.561	0.004	-0.030
			Max. Vy	34	0.029	0.028	-0.003
			Max. Vx	8	0.008	0.000	0.000
T3	220 - 200	Leg	Max Tension	15	89.288	2.374	-0.001
			Max. Compression	2	-98.842	0.671	0.001
			Max. Mx	2	-57.071	4.682	-0.011
			Max. My	6	-29.752	2.133	-1.939
			Max. Vy	2	-7.384	0.671	0.001
			Max. Vx	6	2.997	2.133	-1.939
		Diagonal	Max Tension	4	7.115	0.000	0.000
			Max. Compression	4	-7.792	0.000	0.000
			Max. Mx	34	1.199	0.038	0.003
			Max. My	8	-7.733	-0.002	-0.030
			Max. Vy	34	0.037	0.038	-0.004
			Max. Vx	8	0.007	0.000	0.000
T4	200 - 180	Leg	Max Tension	15	122.466	2.544	0.003
			Max. Compression	2	-135.351	0.686	0.002
			Max. Mx	2	-98.858	4.344	0.000
			Max. My	6	-50.523	1.962	-1.596
			Max. Vy	2	-7.899	0.686	0.002
			Max. Vx	6	2.778	1.962	-1.596
		Diagonal	Max Tension	4	6.771	0.000	0.000
			Max. Compression	4	-7.172	0.000	0.000
			Max. Mx	34	0.211	0.049	-0.005
			Max. My	8	-7.097	-0.000	-0.018
			Max. Vy	32	0.043	0.049	0.005
			Max. Vx	8	0.004	0.000	0.000
T5	180 - 160	Leg	Max Tension	15	152.664	3.246	0.007
			Max. Compression	2	-169.443	0.083	0.001
			Max. Mx	2	-135.368	4.617	0.008
			Max. My	6	-68.668	2.075	-1.645
			Max. Vy	2	-8.685	0.083	0.001
			Max. Vx	24	-2.894	-0.005	0.095
		Diagonal	Max Tension	4	7.080	0.000	0.000
			Max. Compression	4	-7.099	0.000	0.000
			Max. Mx	32	0.244	0.073	0.007
			Max. My	8	-6.994	-0.001	-0.015
			Max. Vy	32	0.057	0.073	0.007
			Max. Vx	8	0.003	0.000	0.000
T6	160 - 140	Leg	Max Tension	15	180.945	2.984	0.009
			Max. Compression	2	-201.913	0.791	0.003

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Mx	2	-169.458	4.427	0.012
			Max. My	24	-7.269	-0.014	1.544
			Max. Vy	2	-9.592	0.791	0.003
			Max. Vx	24	-3.175	-0.005	0.358
		Diagonal	Max Tension	4	7.241	0.000	0.000
			Max. Compression	4	-7.208	0.000	0.000
			Max. Mx	32	0.246	0.089	0.009
			Max. My	8	-7.082	0.002	-0.013
			Max. Vy	32	0.063	0.089	0.009
			Max. Vx	27	0.002	0.000	0.000
T7	140 - 120	Leg	Max Tension	15	208.312	3.392	0.012
			Max. Compression	2	-234.175	0.789	0.003
			Max. Mx	2	-201.933	5.563	0.019
			Max. My	24	-8.736	-0.007	1.948
			Max. Vy	2	-10.565	0.789	0.003
			Max. Vx	24	-3.486	-0.001	0.331
		Diagonal	Max Tension	4	7.716	0.000	0.000
			Max. Compression	4	-7.688	0.000	0.000
			Max. Mx	38	0.248	0.123	-0.012
			Max. My	8	-7.518	0.005	-0.015
			Max. Vy	38	0.079	0.123	-0.012
			Max. Vx	27	0.003	0.000	0.000
T8	120 - 100	Leg	Max Tension	15	235.275	4.181	0.016
			Max. Compression	2	-266.562	0.233	0.002
			Max. Mx	2	-234.197	6.053	0.023
			Max. My	24	-10.427	0.011	2.077
			Max. Vy	2	-11.645	0.233	0.002
			Max. Vx	24	-3.869	-0.001	0.246
		Diagonal	Max Tension	4	8.330	0.000	0.000
			Max. Compression	4	-8.120	0.000	0.000
			Max. Mx	38	0.256	0.145	-0.014
			Max. My	27	0.270	0.140	0.014
			Max. Vy	38	0.086	0.145	-0.014
			Max. Vx	27	0.003	0.000	0.000
T9	100 - 80	Leg	Max Tension	15	261.700	4.075	0.018
			Max. Compression	2	-299.078	0.889	0.003
			Max. Mx	2	-266.582	6.051	0.025
			Max. My	24	-12.267	0.026	2.183
			Max. Vy	2	-12.781	0.889	0.003
			Max. Vx	24	-4.239	0.000	0.396
		Diagonal	Max Tension	4	8.906	0.000	0.000
			Max. Compression	4	-8.716	0.000	0.000
			Max. Mx	38	0.281	0.181	-0.017
			Max. My	38	-0.138	0.174	0.017
			Max. Vy	38	0.100	0.181	-0.017
			Max. Vx	38	0.004	0.000	0.000
T10	80 - 60	Leg	Max Tension	15	287.941	4.939	0.020
			Max. Compression	2	-331.930	0.036	0.004
			Max. Mx	2	-299.103	7.261	0.031
			Max. My	24	-14.367	0.043	2.519
			Max. Vy	2	-13.550	0.036	0.004
			Max. Vx	24	-4.885	-0.023	0.591
		Diagonal	Max Tension	4	9.558	0.000	0.000
			Max. Compression	4	-9.359	0.000	0.000
			Max. Mx	38	0.323	0.212	0.019
			Max. My	34	0.655	0.206	-0.020
			Max. Vy	38	0.105	0.212	0.019
			Max. Vx	34	-0.004	0.000	0.000
T11	60 - 40	Leg	Max Tension	15	313.491	5.032	0.022
			Max. Compression	2	-364.228	0.366	0.004
			Max. Mx	2	-331.953	6.817	0.034

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	24	-16.646	0.046	3.036
			Max. Vy	2	-14.171	0.366	0.004
			Max. Vx	24	-4.978	-0.008	0.552
		Diagonal	Max Tension	5	10.332	0.000	0.000
			Max. Compression	5	-10.425	0.000	0.000
			Max. Mx	34	1.556	0.311	0.000
			Max. My	27	0.034	0.000	0.007
			Max. Vy	34	-0.108	0.000	0.000
			Max. Vx	27	-0.003	0.000	0.000
		Horizontal	Max Tension	2	1.344	-0.078	0.001
			Max. Compression	4	-1.490	0.000	0.000
			Max. Mx	37	0.112	-0.221	0.004
			Max. My	29	0.137	-0.216	0.005
			Max. Vy	37	0.110	-0.221	0.004
			Max. Vx	27	-0.002	-0.221	0.005
		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	-0.136	0.000
			Max. My	2	-0.005	0.000	-0.000
			Max. Vy	26	0.053	0.000	0.000
			Max. Vx	2	0.000	0.000	0.000
T12	40 - 20	Leg	Max Tension	15	338.032	5.844	0.026
			Max. Compression	2	-395.801	-0.395	0.001
			Max. Mx	2	-395.775	-7.838	-0.033
			Max. My	24	-18.966	0.045	3.044
			Max. Vy	2	-14.874	-0.395	0.001
			Max. Vx	24	-4.998	-0.008	0.273
		Diagonal	Max Tension	5	10.573	0.000	0.000
			Max. Compression	5	-10.562	0.000	0.000
			Max. Mx	34	1.704	0.339	0.000
			Max. My	27	0.206	0.000	0.008
			Max. Vy	34	0.111	0.000	0.000
			Max. Vx	27	0.003	0.000	0.000
		Horizontal	Max Tension	2	1.599	-0.090	0.001
			Max. Compression	4	-1.528	0.000	0.000
			Max. Mx	27	-0.043	-0.244	0.005
			Max. My	29	0.094	-0.243	0.006
			Max. Vy	37	-0.113	-0.240	0.005
			Max. Vx	27	-0.002	-0.240	0.005
		Inner Bracing	Max Tension	1	0.000	0.000	0.000
			Max. Compression	33	-0.011	0.000	0.000
			Max. Mx	26	-0.010	-0.149	0.000
			Max. My	2	-0.005	0.000	-0.000
			Max. Vy	26	0.054	0.000	0.000
			Max. Vx	2	0.000	0.000	0.000
T13	20 - 0	Leg	Max Tension	15	361.382	5.704	0.026
			Max. Compression	2	-425.973	0.000	-0.000
			Max. Mx	2	-425.947	-7.785	-0.035
			Max. My	24	-21.456	0.040	2.774
			Max. Vy	2	-15.557	0.000	-0.000
			Max. Vx	24	-5.002	0.040	2.774
		Diagonal	Max Tension	5	10.528	0.000	0.000
			Max. Compression	4	-10.685	0.000	0.000
			Max. Mx	27	1.847	0.352	0.000
			Max. My	27	0.601	0.000	0.008
			Max. Vy	27	-0.109	0.000	0.000
			Max. Vx	27	0.003	0.000	0.000
		Horizontal	Max Tension	2	1.585	-0.131	0.002
			Max. Compression	4	-1.455	0.000	0.000
			Max. Mx	27	-0.063	-0.326	0.007
			Max. My	29	0.084	-0.324	0.008

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Inner Bracing	Max. Vy	27	0.133	-0.326	0.007
			Max. Vx	29	0.003	-0.324	0.008
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	29	-0.011	0.000	0.000
			Max. Mx	35	-0.010	-0.152	0.000
			Max. My	35	-0.010	0.000	-0.000
			Max. Vy	35	0.051	0.000	0.000
			Max. Vx	35	0.000	0.000	0.000

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	18	422.854	27.422	-15.842
	Max. H_x	18	422.854	27.422	-15.842
	Max. H_z	5	-314.627	-20.486	14.549
	Min. Vert	7	-357.966	-24.509	14.162
	Min. H_x	7	-357.966	-24.509	14.162
	Min. H_z	18	422.854	27.422	-15.842
Leg B	Max. Vert	10	420.771	-27.362	-15.732
	Max. H_x	23	-356.076	24.447	14.042
	Max. H_z	25	-312.984	20.456	14.396
	Min. Vert	23	-356.076	24.447	14.042
	Min. H_x	10	420.771	-27.362	-15.732
	Min. H_z	10	420.771	-27.362	-15.732
Leg A	Max. Vert	2	425.070	-0.056	31.788
	Max. H_x	21	17.749	4.632	0.733
	Max. H_z	2	425.070	-0.056	31.788
	Min. Vert	15	-360.422	0.061	-28.437
	Min. H_x	9	17.749	-4.634	0.733
	Min. H_z	15	-360.422	0.061	-28.437

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	59.283	-0.000	0.000	0.989	1.070	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	71.140	0.000	-54.085	-8342.045	1.300	-2.440
0.9 Dead+1.0 Wind 0 deg - No Ice	53.355	0.000	-54.086	-8325.903	0.976	-2.437
1.2 Dead+1.0 Wind 30 deg - No Ice	71.140	25.515	-44.193	-6922.700	-3996.424	2.781
0.9 Dead+1.0 Wind 30 deg - No Ice	53.355	25.515	-44.193	-6909.252	-3988.822	2.781
1.2 Dead+1.0 Wind 60 deg - No Ice	71.140	43.105	-24.887	-3912.123	-6776.811	-0.389
0.9 Dead+1.0 Wind 60 deg - No Ice	53.355	43.106	-24.887	-3904.651	-6763.665	-0.393
1.2 Dead+1.0 Wind 90 deg - No Ice	71.140	50.651	-0.000	1.059	-7902.880	-3.200

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 90 deg - No Ice	53.355	50.652	-0.000	0.744	-7887.546	-3.206
1.2 Dead+1.0 Wind 120 deg - No Ice	71.140	46.515	26.855	4127.826	-7146.185	2.498
0.9 Dead+1.0 Wind 120 deg - No Ice	53.355	46.515	26.856	4119.405	-7132.452	2.491
1.2 Dead+1.0 Wind 150 deg - No Ice	71.140	25.425	44.038	6889.371	-3975.373	7.272
0.9 Dead+1.0 Wind 150 deg - No Ice	53.355	25.426	44.039	6875.408	-3967.801	7.267
1.2 Dead+1.0 Wind 180 deg - No Ice	71.140	0.000	49.970	7876.869	1.300	2.440
0.9 Dead+1.0 Wind 180 deg - No Ice	53.355	0.000	49.971	7860.892	0.976	2.438
1.2 Dead+1.0 Wind 210 deg - No Ice	71.140	-25.514	44.193	6925.284	3998.705	-2.782
0.9 Dead+1.0 Wind 210 deg - No Ice	53.355	-25.515	44.194	6911.237	3990.436	-2.781
1.2 Dead+1.0 Wind 240 deg - No Ice	71.140	-46.668	26.944	4148.343	7184.326	0.389
0.9 Dead+1.0 Wind 240 deg - No Ice	53.355	-46.669	26.944	4139.875	7169.862	0.393
1.2 Dead+1.0 Wind 270 deg - No Ice	71.140	-50.651	-0.000	1.058	7905.464	3.200
0.9 Dead+1.0 Wind 270 deg - No Ice	53.355	-50.652	-0.000	0.744	7889.481	3.206
1.2 Dead+1.0 Wind 300 deg - No Ice	71.140	-42.952	-24.798	-3891.590	6743.847	-2.496
0.9 Dead+1.0 Wind 300 deg - No Ice	53.355	-42.952	-24.799	-3884.164	6730.134	-2.490
1.2 Dead+1.0 Wind 330 deg - No Ice	71.140	-25.426	-44.038	-6886.776	3978.282	-7.272
0.9 Dead+1.0 Wind 330 deg - No Ice	53.355	-25.426	-44.039	-6873.412	3970.078	-7.267
1.2 Dead+1.0 Ice+1.0 Temp	189.986	0.000	-0.000	0.516	10.559	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	189.986	0.000	-7.468	-1226.742	10.808	-0.908
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	189.986	3.629	-6.286	-1041.731	-590.987	-1.300
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	189.986	6.212	-3.586	-595.289	-1021.342	-0.647
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	189.986	7.227	-0.000	0.629	-1185.205	0.179
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	189.986	6.441	3.719	610.511	-1045.549	0.260
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	189.986	3.622	6.273	1039.977	-589.265	0.272
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	189.986	0.000	7.189	1196.582	10.809	0.907
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	189.986	-3.629	6.286	1042.974	612.612	1.300
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	189.986	-6.454	3.726	612.267	1070.205	0.648
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	189.986	-7.227	-0.000	0.627	1206.822	-0.179
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	189.986	-6.199	-3.579	-593.559	1039.964	-0.260
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	189.986	-3.622	-6.273	-1038.733	610.876	-0.272
Dead+Wind 0 deg - Service	59.283	0.000	-17.661	-2719.904	1.077	-0.796
Dead+Wind 30 deg - Service	59.283	8.331	-14.430	-2257.028	-1302.593	0.926

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 60 deg - Service	59.283	14.075	-8.126	-1275.193	-2209.358	-0.128
Dead+Wind 90 deg - Service	59.283	16.539	-0.000	1.005	-2576.607	-1.064
Dead+Wind 120 deg - Service	59.283	15.189	8.769	1346.775	-2329.869	0.814
Dead+Wind 150 deg - Service	59.283	8.302	14.380	2247.316	-1295.834	2.391
Dead+Wind 180 deg - Service	59.283	0.000	16.317	2569.365	1.077	0.796
Dead+Wind 210 deg - Service	59.283	-8.331	14.431	2259.028	1304.750	-0.926
Dead+Wind 240 deg - Service	59.283	-15.239	8.798	1353.467	2343.615	0.128
Dead+Wind 270 deg - Service	59.283	-16.539	-0.000	1.005	2578.759	1.064
Dead+Wind 300 deg - Service	59.283	-14.025	-8.097	-1268.498	2199.917	-0.814
Dead+Wind 330 deg - Service	59.283	-8.302	-14.380	-2245.314	1297.985	-2.391

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-59.283	0.000	0.000	59.283	-0.000	0.000%
2	0.000	-71.140	-54.089	-0.000	71.140	54.085	0.005%
3	0.000	-53.355	-54.089	-0.000	53.355	54.086	0.004%
4	25.517	-71.140	-44.196	-25.515	71.140	44.193	0.004%
5	25.517	-53.355	-44.196	-25.515	53.355	44.193	0.004%
6	43.108	-71.140	-24.888	-43.105	71.140	24.887	0.004%
7	43.108	-53.355	-24.888	-43.106	53.355	24.887	0.003%
8	50.655	-71.140	-0.000	-50.651	71.140	0.000	0.004%
9	50.655	-53.355	-0.000	-50.652	53.355	0.000	0.004%
10	46.518	-71.140	26.857	-46.515	71.140	-26.855	0.005%
11	46.518	-53.355	26.857	-46.515	53.355	-26.856	0.004%
12	25.427	-71.140	44.041	-25.425	71.140	-44.038	0.004%
13	25.427	-53.355	44.041	-25.426	53.355	-44.039	0.004%
14	0.000	-71.140	49.974	-0.000	71.140	-49.970	0.004%
15	0.000	-53.355	49.974	-0.000	53.355	-49.971	0.003%
16	-25.517	-71.140	44.196	25.514	71.140	-44.193	0.004%
17	-25.517	-53.355	44.196	25.515	53.355	-44.194	0.004%
18	-46.671	-71.140	26.946	46.668	71.140	-26.944	0.005%
19	-46.671	-53.355	26.946	46.669	53.355	-26.944	0.004%
20	-50.655	-71.140	-0.000	50.651	71.140	0.000	0.004%
21	-50.655	-53.355	-0.000	50.652	53.355	0.000	0.004%
22	-42.954	-71.140	-24.800	42.952	71.140	24.798	0.004%
23	-42.954	-53.355	-24.800	42.952	53.355	24.799	0.003%
24	-25.427	-71.140	-44.041	25.426	71.140	44.038	0.004%
25	-25.427	-53.355	-44.041	25.426	53.355	44.039	0.004%
26	0.000	-189.986	0.000	-0.000	189.986	0.000	0.000%
27	0.000	-189.986	-7.469	-0.000	189.986	7.468	0.001%
28	3.629	-189.986	-6.286	-3.629	189.986	6.286	0.001%
29	6.212	-189.986	-3.587	-6.212	189.986	3.586	0.000%
30	7.228	-189.986	0.000	-7.227	189.986	0.000	0.000%
31	6.442	-189.986	3.719	-6.441	189.986	-3.719	0.001%
32	3.622	-189.986	6.274	-3.622	189.986	-6.273	0.001%
33	0.000	-189.986	7.190	-0.000	189.986	-7.189	0.001%
34	-3.629	-189.986	6.286	3.629	189.986	-6.286	0.001%
35	-6.454	-189.986	3.726	6.454	189.986	-3.726	0.001%
36	-7.228	-189.986	0.000	7.227	189.986	0.000	0.001%
37	-6.200	-189.986	-3.579	6.199	189.986	3.579	0.001%
38	-3.622	-189.986	-6.274	3.622	189.986	6.273	0.001%
39	0.000	-59.283	-17.662	-0.000	59.283	17.661	0.002%
40	8.332	-59.283	-14.431	-8.331	59.283	14.430	0.002%
41	14.076	-59.283	-8.127	-14.075	59.283	8.126	0.002%
42	16.540	-59.283	0.000	-16.539	59.283	0.000	0.002%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
43	15.190	-59.283	8.770	-15.189	59.283	-8.769	0.002%
44	8.303	-59.283	14.381	-8.302	59.283	-14.380	0.002%
45	-0.000	-59.283	16.318	-0.000	59.283	-16.317	0.002%
46	-8.332	-59.283	14.431	8.331	59.283	-14.431	0.002%
47	-15.240	-59.283	8.799	15.239	59.283	-8.798	0.002%
48	-16.540	-59.283	0.000	16.539	59.283	0.000	0.002%
49	-14.026	-59.283	-8.098	14.025	59.283	8.097	0.002%
50	-8.303	-59.283	-14.381	8.302	59.283	14.380	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	13	0.00005883	0.00012415
3	Yes	13	0.00004466	0.00009469
4	Yes	13	0.00005458	0.00011558
5	Yes	13	0.00004060	0.00008636
6	Yes	13	0.00005028	0.00010684
7	Yes	13	0.00003644	0.00007778
8	Yes	13	0.00005453	0.00011545
9	Yes	13	0.00004056	0.00008625
10	Yes	13	0.00005871	0.00012387
11	Yes	13	0.00004456	0.00009444
12	Yes	13	0.00005455	0.00011551
13	Yes	13	0.00004057	0.00008630
14	Yes	13	0.00005029	0.00010688
15	Yes	13	0.00003644	0.00007779
16	Yes	13	0.00005458	0.00011559
17	Yes	13	0.00004060	0.00008637
18	Yes	13	0.00005876	0.00012399
19	Yes	13	0.00004460	0.00009454
20	Yes	13	0.00005453	0.00011544
21	Yes	13	0.00004056	0.00008625
22	Yes	13	0.00005029	0.00010683
23	Yes	13	0.00003644	0.00007778
24	Yes	13	0.00005455	0.00011550
25	Yes	13	0.00004057	0.00008630
26	Yes	6	0.00000001	0.00001106
27	Yes	14	0.00000001	0.00011886
28	Yes	14	0.00000001	0.00011714
29	Yes	14	0.00000001	0.00011589
30	Yes	14	0.00000001	0.00011650
31	Yes	14	0.00000001	0.00011823
32	Yes	14	0.00000001	0.00011752
33	Yes	14	0.00000001	0.00011743
34	Yes	14	0.00000001	0.00011847
35	Yes	14	0.00000001	0.00012053
36	Yes	14	0.00000001	0.00011783
37	Yes	14	0.00000001	0.00011677
38	Yes	14	0.00000001	0.00011751
39	Yes	13	0.00000001	0.00009498
40	Yes	13	0.00000001	0.00009239
41	Yes	13	0.00000001	0.00008974
42	Yes	13	0.00000001	0.00009229
43	Yes	13	0.00000001	0.00009484

44	Yes	13	0.00000001	0.00009236
45	Yes	13	0.00000001	0.00008983
46	Yes	13	0.00000001	0.00009241
47	Yes	13	0.00000001	0.00009490
48	Yes	13	0.00000001	0.00009228
49	Yes	13	0.00000001	0.00008970
50	Yes	13	0.00000001	0.00009233

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	12.209	39	0.412	0.095
T2	240 - 220	10.887	39	0.409	0.082
T3	220 - 200	9.118	39	0.381	0.051
T4	200 - 180	7.490	39	0.345	0.030
T5	180 - 160	6.038	39	0.305	0.017
T6	160 - 140	4.762	39	0.267	0.010
T7	140 - 120	3.648	39	0.225	0.005
T8	120 - 100	2.704	39	0.188	0.002
T9	100 - 80	1.900	39	0.154	0.002
T10	80 - 60	1.247	39	0.120	0.002
T11	60 - 40	0.720	39	0.089	0.002
T12	40 - 20	0.357	39	0.057	0.001
T13	20 - 0	0.119	39	0.029	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	12.209	0.412	0.095	226511
250.000	Sector1(CaAa=13333.33 Sq.in)No Ice	39	11.770	0.412	0.092	226511
239.000	Sector1(CaAa=10000 Sq.in)No Ice	39	10.798	0.408	0.081	108849
229.000	Sector1(CaAa=10000 Sq.in)No Ice	39	9.906	0.396	0.066	64104

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	255 - 240	37.507	2	1.266	0.293
T2	240 - 220	33.443	2	1.256	0.254
T3	220 - 200	28.005	2	1.171	0.159
T4	200 - 180	23.003	2	1.059	0.092
T5	180 - 160	18.541	2	0.936	0.052
T6	160 - 140	14.623	2	0.818	0.031
T7	140 - 120	11.202	2	0.690	0.016
T8	120 - 100	8.303	2	0.576	0.007

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T9	100 - 80	5.835	2	0.474	0.007
T10	80 - 60	3.828	2	0.368	0.007
T11	60 - 40	2.213	2	0.273	0.005
T12	40 - 20	1.096	2	0.175	0.004
T13	20 - 0	0.366	2	0.088	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	37.507	1.266	0.293	74384
250.000	Sector1(CaAa=13333.33 Sq.in)No Ice	2	36.157	1.266	0.282	74384
239.000	Sector1(CaAa=10000 Sq.in)No Ice	2	33.169	1.254	0.250	35890
229.000	Sector1(CaAa=10000 Sq.in)No Ice	2	30.427	1.217	0.203	21208

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	3.504	9.598	0.365 ✔	1	Member Block Shear
		Top Girt	A325X	0.625	1	0.516	9.598	0.054 ✔	1	Member Block Shear
T2	240	Leg	A325N	0.750	6	1.998	30.101	0.066 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	7.542	9.598	0.786 ✔	1	Member Block Shear
T3	220	Leg	A325N	0.750	6	8.413	30.101	0.279 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	7.115	10.740	0.663 ✔	1	Member Block Shear
T4	200	Leg	A325N	0.750	6	14.880	30.101	0.494 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	6.771	10.740	0.630 ✔	1	Member Block Shear
T5	180	Leg	A325N	1.000	6	20.409	54.517	0.374 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	7.080	13.025	0.544 ✔	1	Member Block Shear
T6	160	Leg	A325N	1.000	6	25.442	54.517	0.467 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	7.241	13.025	0.556 ✔	1	Member Block Shear
T7	140	Leg	A325N	1.000	6	30.155	54.517	0.553 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	7.716	14.168	0.545 ✔	1	Member Block Shear
T8	120	Leg	A325N	1.000	6	34.716	54.517	0.637 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.330	14.168	0.588 ✔	1	Member Block Shear

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
T9	100	Leg	A325N	1.000	6	39.210	54.517	0.719 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	8.906	17.257	0.516 ✔	1	Bolt Shear
T10	80	Leg	A325N	1.250	6	43.614	87.220	0.500 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	9.558	17.257	0.554 ✔	1	Bolt Shear
T11	60	Leg	A325N	1.250	6	47.987	87.220	0.550 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	10.332	26.051	0.397 ✔	1	Member Block Shear
		Horizontal	A325X	0.625	1	6.373	21.480	0.297 ✔	1	Member Block Shear
T12	40	Leg	A325N	1.250	6	52.246	87.220	0.599 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	10.573	26.051	0.406 ✔	1	Member Block Shear
		Horizontal	A325X	0.625	1	6.860	21.480	0.319 ✔	1	Member Block Shear
T13	20	Leg	A325N	1.250	6	56.336	87.220	0.646 ✔	1	Bolt Tension
		Diagonal	A325X	0.625	1	10.528	26.051	0.404 ✔	1	Member Block Shear
		Horizontal	A325X	0.625	1	7.383	26.051	0.283 ✔	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	-11.282	33.103	0.341 [1] ✔
T2	240 - 220	2	20.019	4.754	114.1 K=1.00	3.142	-51.908	54.509	0.952 [1] ✔
T3	220 - 200	2 1/2	20.019	4.754	91.3 K=1.00	4.909	-94.144	120.108	0.784 [1] ✔
T4	200 - 180	2 3/4	20.019	4.754	83.0 K=1.00	5.940	-130.949	161.540	0.811 [1] ✔
T5	180 - 160	3	20.019	4.754	76.1 K=1.00	7.069	-165.115	208.347	0.793 [1] ✔
T6	160 - 140	3	20.019	4.754	76.1 K=1.00	7.069	-197.723	208.347	0.949 [1] ✔
T7	140 - 120	3 1/4	20.019	4.754	70.2 K=1.00	8.296	-229.866	260.312	0.883 [1] ✔
T8	120 - 100	3 1/2	20.019	4.754	65.2 K=1.00	9.621	-262.118	317.273	0.826 [1] ✔
T9	100 - 80	3 1/2	20.019	4.754	65.2 K=1.00	9.621	-294.614	317.273	0.929 [1] ✔
T10	80 - 60	3 3/4	20.019	4.754	60.9	11.045	-327.422	379.106	0.864 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
					K=1.00				✔
T11	60 - 40	3 3/4	20.019	4.754	60.9	11.045	-355.967	379.106	0.939 [1]
					K=1.00				✔
T12	40 - 20	4	20.019	4.754	57.1	12.566	-387.478	445.717	0.869 [1]
					K=1.00				✔
T13	20 - 0	4	20.019	4.754	57.1	12.566	-417.871	445.717	0.938 [1]
					K=1.00				✔

[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	0.621	-3.401	11.206	0.303 [1]
					K=1.00				✔
T2	240 - 220	L1 3/4x1 3/4x3/16	8.697	4.355	152.2	0.621	-6.849	7.677	0.892 [1]
					K=1.00				✔
T3	220 - 200	L2x2x3/16	9.987	4.976	151.6	0.715	-6.429	8.909	0.722 [1]
					K=1.00				✔
T4	200 - 180	L2x2x3/16	11.329	5.636	171.7	0.715	-6.335	6.945	0.912 [1]
					K=1.00				✔
T5	180 - 160	L2 1/2x2 1/2x3/16	12.706	6.314	153.1	0.902	-6.605	11.018	0.599 [1]
					K=1.00				✔
T6	160 - 140	L2 1/2x2 1/2x3/16	14.108	7.016	170.1	0.902	-6.798	8.924	0.762 [1]
					K=1.00				✔
T7	140 - 120	L3x3x3/16	15.529	7.716	155.4	1.090	-7.341	12.927	0.568 [1]
					K=1.00				✔
T8	120 - 100	L3x3x3/16	16.963	8.422	169.6	1.090	-8.013	10.848	0.739 [1]
					K=1.00				✔
T9	100 - 80	L3x3x1/4	18.408	9.145	185.4	1.440	-8.503	11.993	0.709 [1]
					K=1.00				✔
T10	80 - 60	L3x3x1/4	19.861	9.861	199.9	1.440	-9.203	10.315	0.892 [1]
					K=1.00				✔
T11	60 - 40	2L2 1/2x2 1/2x3/16x3/8	11.508	11.336	174.6	1.800	-10.114	16.419	0.616 [1]
					K=1.00				✔
		ai/ri > 0.75(KL/r)o - 278							
T12	40 - 20	2L2 1/2x2 1/2x3/16x3/8	12.195	12.014	185.0	1.800	-10.537	14.672	0.718 [1]
					K=1.00				✔
		ai/ri > 0.75(KL/r)o - 317							
T13	20 - 0	2L2 1/2x2 1/2x3/16x3/8	12.889	12.710	195.7	1.800	-10.685	13.149	0.813 [1]
					K=1.00				✔
		ai/ri > 0.75(KL/r)o - 356							

[1] P_u / ϕP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T11	60 - 40	2L2x2x3/16x3/8	20.606	10.147	197.3 K=1.00	1.430	-6.373	10.376	0.614 [1] ✔
		ai/ri > 0.75(KL/r)o - 274							
T12	40 - 20	2L2x2x3/16x3/8	22.106	10.886	211.6 K=1.00	1.430	-6.860	9.031	0.760 [1] ✔
		ai/ri > 0.75(KL/r)o - 313							
T13	20 - 0	2L2 1/2x2 1/2x3/16x3/8	23.606	11.636	179.2 K=1.00	1.800	-7.383	15.610	0.473 [1] ✔
		ai/ri > 0.75(KL/r)o - 352							

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	255 - 240	L1 3/4x1 3/4x3/16	4.913	4.767	166.5 K=1.00	0.621	-0.469	6.409	0.073 [1] ✔

[1] P_u / ϕP_n controls

Inner Bracing Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T11	60 - 40	L1 3/4x1 3/4x3/16	10.303	10.303	360.0 K=1.00	0.621	-0.010	1.372	0.008 [1] ✔
		KL/R > 250 (C) - 281							
T12	40 - 20	L1 3/4x1 3/4x3/16	11.053	11.053	386.2 K=1.00	0.621	-0.011	1.192	0.009 [1] ✔
		KL/R > 250 (C) - 320							
T13	20 - 0	L1 3/4x1 3/4x3/16	11.803	11.803	412.4 K=1.00	0.621	-0.011	1.045	0.010 [1] ✔
		KL/R > 250 (C) - 360							

[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	11.991	108.238	0.111 [1] ✔
T2	240 - 220	2	20.019	0.500	12.0	3.142	50.486	141.372	0.357 [1] ✔
T3	220 - 200	2 1/2	20.019	0.500	9.6	4.909	89.288	220.893	0.404 [1] ✔
T4	200 - 180	2 3/4	20.019	0.500	8.7	5.940	122.466	267.281	0.458 [1] ✔
T5	180 - 160	3	20.019	0.500	8.0	7.069	152.664	318.086	0.480 [1] ✔
T6	160 - 140	3	20.019	0.500	8.0	7.069	180.945	318.086	0.569 [1] ✔
T7	140 - 120	3 1/4	20.019	0.500	7.4	8.296	208.312	373.310	0.558 [1] ✔
T8	120 - 100	3 1/2	20.019	0.500	6.9	9.621	235.275	432.951	0.543 [1] ✔
T9	100 - 80	3 1/2	20.019	0.500	6.9	9.621	261.700	432.951	0.604 [1] ✔
T10	80 - 60	3 3/4	20.019	0.500	6.4	11.045	287.941	497.010	0.579 [1] ✔
T11	60 - 40	3 3/4	20.019	0.500	6.4	11.045	313.491	497.010	0.631 [1] ✔
T12	40 - 20	4	20.019	0.500	6.0	12.566	338.032	565.487	0.598 [1] ✔
T13	20 - 0	4	20.019	0.500	6.0	12.566	361.382	565.487	0.639 [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	3.504	17.567	0.199 [1] ✔
T2	240 - 220	L1 3/4x1 3/4x3/16	8.697	4.355	97.3	0.360	7.542	17.567	0.429 [1] ✔
T3	220 - 200	L2x2x3/16	9.061	4.517	87.8	0.431	7.115	21.001	0.339 [1] ✔
T4	200 - 180	L2x2x3/16	11.329	5.636	109.6	0.431	6.771	21.001	0.322 [1] ✔
T5	180 - 160	L2 1/2x2 1/2x3/16	12.706	6.314	97.4	0.571	7.080	27.838	0.254 [1] ✔
T6	160 - 140	L2 1/2x2 1/2x3/16	14.108	7.016	108.2	0.571	7.241	27.838	0.260 [1] ✔
T7	140 - 120	L3x3x3/16	15.529	7.716	98.6	0.712	7.716	34.712	0.222 [1] ✔

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T8	120 - 100	L3x3x3/16	16.963	8.422	107.6	0.712	8.330	34.712	0.240 [1]
T9	100 - 80	L3x3x1/4	18.408	9.145	118.0	0.939	8.906	45.794	0.194 [1]
T10	80 - 60	L3x3x1/4	19.861	9.861	127.2	0.939	9.558	45.794	0.209 [1]
T11	60 - 40	2L2 1/2x2 1/2x3/16x3/8	11.508	11.336	174.9	1.139	10.332	55.529	0.186 [1]
T12	40 - 20	ai/ri > 0.75(KL/r)o - 279 2L2 1/2x2 1/2x3/16x3/8	12.195	12.014	185.3	1.139	10.573	55.529	0.190 [1]
T13	20 - 0	ai/ri > 0.75(KL/r)o - 318 2L2 1/2x2 1/2x3/16x3/8 ai/ri > 0.75(KL/r)o - 357	12.889	12.710	196.0	1.139	10.528	55.529	0.190 [1]

[1] P_u / ϕP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T11	60 - 40	2L2x2x3/16x3/8	20.606	10.147	197.3	0.862	6.373	42.001	0.152 [1]
T12	40 - 20	ai/ri > 0.75(KL/r)o - 274 2L2x2x3/16x3/8	22.106	10.886	211.7	0.862	6.860	42.001	0.163 [1]
T13	20 - 0	ai/ri > 0.75(KL/r)o - 313 2L2 1/2x2 1/2x3/16x3/8 ai/ri > 0.75(KL/r)o - 355	23.606	11.636	179.5	1.139	7.383	55.529	0.133 [1]

[1] P_u / ϕP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	255 - 240	L1 3/4x1 3/4x3/16	4.913	4.767	106.5	0.360	0.516	17.567	0.029 [1]

[1] P_u / ϕP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	255 - 240	Leg	1 3/4	3	-11.282	33.103	34.1	Pass
T2	240 - 220	Leg	2	27	-51.908	54.509	95.2	Pass
T3	220 - 200	Leg	2 1/2	54	-94.144	120.108	78.4	Pass
T4	200 - 180	Leg	2 3/4	81	-130.949	161.540	81.1	Pass
T5	180 - 160	Leg	3	108	-165.115	208.347	79.3	Pass
T6	160 - 140	Leg	3	135	-197.723	208.347	94.9	Pass
T7	140 - 120	Leg	3 1/4	162	-229.866	260.312	88.3	Pass
T8	120 - 100	Leg	3 1/2	189	-262.118	317.273	82.6	Pass
T9	100 - 80	Leg	3 1/2	216	-294.614	317.273	92.9	Pass
T10	80 - 60	Leg	3 3/4	243	-327.422	379.106	86.4	Pass
T11	60 - 40	Leg	3 3/4	270	-355.967	379.106	93.9	Pass
T12	40 - 20	Leg	4	309	-387.478	445.717	86.9	Pass
T13	20 - 0	Leg	4	348	-417.871	445.717	93.8	Pass
T1	255 - 240	Diagonal	L1 3/4x1 3/4x3/16	14	-3.401	11.206	30.3 36.5 (b)	Pass
T2	240 - 220	Diagonal	L1 3/4x1 3/4x3/16	28	-6.849	7.677	89.2	Pass
T3	220 - 200	Diagonal	L2x2x3/16	59	-6.429	8.909	72.2	Pass
T4	200 - 180	Diagonal	L2x2x3/16	86	-6.335	6.945	91.2	Pass
T5	180 - 160	Diagonal	L2 1/2x2 1/2x3/16	113	-6.605	11.018	59.9	Pass
T6	160 - 140	Diagonal	L2 1/2x2 1/2x3/16	140	-6.798	8.924	76.2	Pass
T7	140 - 120	Diagonal	L3x3x3/16	167	-7.341	12.927	56.8	Pass
T8	120 - 100	Diagonal	L3x3x3/16	194	-8.013	10.848	73.9	Pass
T9	100 - 80	Diagonal	L3x3x1/4	221	-8.503	11.993	70.9	Pass
T10	80 - 60	Diagonal	L3x3x1/4	248	-9.203	10.315	89.2	Pass
T11	60 - 40	Diagonal	2L2 1/2x2 1/2x3/16x3/8	278	-10.114	16.419	61.6	Pass
T12	40 - 20	Diagonal	2L2 1/2x2 1/2x3/16x3/8	317	-10.537	14.672	71.8	Pass
T13	20 - 0	Diagonal	2L2 1/2x2 1/2x3/16x3/8	356	-10.685	13.149	81.3	Pass
T11	60 - 40	Horizontal	2L2x2x3/16x3/8	274	-6.373	10.376	61.4	Pass
T12	40 - 20	Horizontal	2L2x2x3/16x3/8	313	-6.860	9.031	76.0	Pass
T13	20 - 0	Horizontal	2L2 1/2x2 1/2x3/16x3/8	352	-7.383	15.610	47.3	Pass
T1	255 - 240	Top Girt	L1 3/4x1 3/4x3/16	6	-0.469	6.409	7.3	Pass
T11	60 - 40	Inner Bracing	L1 3/4x1 3/4x3/16	281	-0.010	1.372	0.8	Pass
T12	40 - 20	Inner Bracing	L1 3/4x1 3/4x3/16	320	-0.011	1.192	0.9	Pass
T13	20 - 0	Inner Bracing	L1 3/4x1 3/4x3/16	360	-0.011	1.045	1.0	Pass
							Summary	
						Leg (T2)	95.2	Pass
						Diagonal (T4)	91.2	Pass
						Horizontal (T12)	76.0	Pass
						Top Girt (T1)	7.3	Pass
						Inner Bracing (T13)	1.0	Pass
						Bolt Checks	78.6	Pass
						RATING =	**95.2**	**Pass**

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

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
				Active

Search

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

		Telecom				
View	4114800	Mediacom Wireless LLC	Cellular	C	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	C	Sparks	NV
View	4109050	Patriot Mobile LLC	Cellular	B	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	Roccstar 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	D	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	WHOOP 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	Wrazzle, 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
FAA

Privacy Act Statement (5 U.S.C. § 552a(e)(3)): Authority: Information solicited by the Federal Aviation Administration (FAA) Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) is authorized by 49 U.S.C. § 44718 and 47101 Purpose: The FAA OE/AAA is an application used to evaluate all structures that may affect the national airspace system and defend against potential hazards to the safety and efficient use of the navigable airspace. The information collected is used to allow a user access to the OE/AAA and to administer the Aeronautical Study Process. Routine Uses: In accordance with the Privacy Act system of records notice, DOT/ALL 16 Mailing Management System and DOT/FAA 826 Petitions for Exemptions, Other than Medical Exemptions this information may be disclosed to officials within the federal government and the public in general. DOT/ALL 13 - Internet/Intranet Activity and Access Records, this information is routinely used; • To provide information to any person(s) authorized to assist in an approved investigation of improper access or usage of DOT computer systems; • To an actual or potential party or his or her authorized representative for the purpose of negotiation or discussion of such matters as settlement of the case or matter, or informal discovery proceedings; • To contractors, grantees, experts, consultants, detailees, and other non-DOT employees performing or working on a contract, service, grant cooperative agreement, or other assignment from the Federal government, when necessary to accomplish an agency function related to this system of records; and • To other government agencies where required by law.

Disclosure: Submission of the information is voluntary, however, failure to submit requested information will result in FAA's inability to grant you access to the system and may result in an inability of the FAA to process the notice or administer the aeronautical study process for the construction, alteration, activation, or deactivation proposed.

Failure to Provide All Requested Information May Delay Processing of your Notice

U.S. Department of Transportation
Federal Aviation Administration

Notice of Proposed Construction or Alteration

FOR FAA USE ONLY

Aeronautical Study Number
2025-ASO-10344-OE

Status: Studying

1. Sponsor

Name:	VERTICAL BTS III, LLC
Attn of:	Matthew Bonfante
Address:	750 Park of Commerce Drive Suite 200
City:	Boca Raton
State:	FL
Zip:	33487
Country:	US
Phone:	+1-561-406-4023
Fax:	

2. Sponsor's Representative

Name:	Vertical Bridge
Attn of:	Vertical Bridge
Address:	750 Park of Commerce Dr Suite 200 200
City:	Boca Raton
State:	FL
Zip:	33487
Country:	US
Phone:	+1-561-406-4015
Fax:	

3. Notice of:	New Construction
4. Duration:	Permanent (Months:0 Days:0)
5. Work Schedule:	
6. Type:	Antenna Tower
7. Marking/Lighting:	Dual-red and medium intensity
8. FCC Antenna Registration Number: *(if applicable)*	

9. Latitude:	37°20'43.65" N
10. Longitude:	83°21'25.79" W
12. Nearest	
State:	KY
County:	Perry
13. Nearest Public Use Airport: *(or Military Airport/Heliport)*	CPF
14. Distance from Airport to Structure:	31089 ft
15. Direction from Airport to Structure:	241.2°
16. Site Elevation *(SE)*	931 ft
17. Structure Height *(AGL)*:	265 ft
18. Overall Height *(AMSL)*:	1196 ft
19. Prior ASN *(if applicable)*:	
20. Description of Location:	Perry County
21. Description of Proposal:	New Site Build - WB

Frequencies:
View Frequencies

Letters:

EXHIBIT F
KENTUCKY AIRPORT ZONING COMMISSION

KENTUCKY TRANSPORTATION CABINET

KENTUCKY AIRPORT ZONING COMMISSION

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.

TEAM KENTUCKY TRANSPORTATION CABINET

KENTUCKY TRANSPORTATION CABINET

KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (*name*) VB BTS III, LLC	**PHONE** 615-636-9495	**FAX**	**KY AERONAUTICAL STUDY #**	
ADDRESS (*street*) 264 Hill Drive	**CITY** Chavies		**STATE** KY	**ZIP** 41727
APPLICANT'S REPRESENTATIVE (*name*) Dave Smith	**PHONE** 615-636-9495	**FAX**		
ADDRESS (*street*) 750 Park of Commerce Dr. Suite 200	**CITY** Boca Raton		**STATE** FL	**ZIP** 33487
APPLICATION FOR ☒ New Construction ☐ Alteration ☐ Existing **DURATION** ☒ Permanent ☐ Temporary (*months* *days*)			**WORK SCHEDULE** Start End	
TYPE ☐ Crane ☐ Building ☒ Antenna Tower ☐ Power Line ☐ Water Tank ☐ Landfill ☐ Other	**MARKING/PAINTING/LIGHTING PREFERRED** ☐ Red Lights & Paint ☐ White- medium intensity ☐ White- high intensity ☐ Dual- red & medium intensity white ☐ Dual- red & high intensity white ☒ Other No Lighting			
LATITUDE 37°20'43.65"	**LONGITUDE** 83°21'25.79		**DATUM** ☒ NAD83 ☐ NAD27 ☐ Other	
NEAREST KENTUCKY City of Chavies, Perry County	**NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT** Duff Airport-44KY - Noodle Creek Road, Hazard KY 41701			
SITE ELEVATION (AMSL, *feet*) 931	**TOTAL STRUCTURE HEIGHT** (AGL, *feet*) 255'+ 10' LR for 265'		**CURRENT** (*FAA aeronautical study #*) Not Required	
OVERALL HEIGHT (*site elevation plus total structure height, feet*) 1186'+ 10 LR 1196'			**PREVIOUS** (*FAA aeronautical study #*) NA	
DISTANCE (*from nearest Kentucky public use or Military airport to structure*) .73 NM			**PREVIOUS** (*KY aeronautical study #*) NA	
DIRECTION (*from nearest Kentucky public use or Military airport to structure*) East from Airport				

DESCRIPTION OF LOCATION (*Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.*)
1A Attached

DESCRIPTION OF PROPOSAL
Vertical Bridge proposes to construct a 255' Telecommunications Facility with a 10; lighting of for an overall height of 265'

FAA Form 7460-1 (*Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?*)
☒ No ☐ 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.*)
PENALITIES (*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	**TITLE**	**SIGNATURE**	**DATE**
Dave Smith	Project Manager	Dave Smith	05/14/2025

COMMISSION ACTION

☐ Chairperson, KAZC
☐ Administrator, KAZC

☐ Approved
☐ Disapproved

SIGNATURE

DATE

EXHIBIT G
GEOTECHNICAL REPORT

June 9, 2025

VB BTS III, LLC
Dave Smith
750 Park of Commerce Drive – Suite 200
Boca Raton, FL 33487

RE: Geotechnical Investigation Summary Letter
US-KY-5202 Chavies
264 Hill Drive Chavies, KY 41727 (Perry County)

Dear Mr. Smith:

Future plans by VB BTS III, LLC include the development of the target property with a self-supported tower measuring 255-foot tall with a 10-foot lightning arrestor.

On behalf of VB BTS III, LLC, Lotis hired Engineered Tower Solutions (ETS) to conduct a Geotechnical Investigation at the target property. ETS completed the field work on June 3, 2025, which included three soil test borings (B-1, B-2, B-3) to the planned depth of 28.6 feet, 13.7 feet, and 9.3 feet. Boring B-1 was performed at the coordinates provided by Lotis (**37.3454, -83.3571, 37.3455, -83.3572, and 37.3454, -83.357**). The boring was performed using a hollow stem auger to advance the hole. Samples were obtained in accordance with ASTM D 1586. The samples were transported to a laboratory where they were classified in general accordance with the Unified Soil Classification System (USCS), using ASTM D2488.

Subsurface water was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.

ETS summarized that the "The USCS classification of the soils encountered in the boring include gray, dry poorly graded gravel, black, dry coal with a medium dense consistency, partially weathered rock sampled as weathered shale and limestone, and moderately weathered and fractured limestone."

Based on the boring data, it is the opinion of ETS that either a pad and pier or a drilled shaft (caisson) foundation should be used to support the new tower.

This document is only a brief summary of the information presented in ETS's report and Lotis recommends that the entire report be reviewed by the reader.

Please feel free to reach out to Lotis with any questions regarding the geotechnical investigation.

David N. Robinson, P.E.

President/CEO

Geotechnical Investigation Report

(716)580-7000 www.thelotisgroup.com Lotis Environmental, LLC 8899 Main Street, Suite 107
Williamsville, NY 14221

GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

June 6, 2025

PROPOSED SELF SUPPORT TOWER
CHAVIES
(US-KY-5202)

264 Hill Drive
Chavies, KY 41727

37.3454, -83.3571

Prepared for:

Prepared by:

ENGINEERED TOWER SOLUTIONS

Matt Nesbit, E.I.
Geotechnical Engineer II

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

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

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

Project Summary

Item	Description
Project Description	A geotechnical exploration and report have been prepared for this proposed 255-foot self-supported tower with 10-foot lighting arrestor. Included in this report are the results of the field exploration and the recommendations for the design of the foundation system.
Site Coordinates	Latitude: 37.3454 Longitude: -83.3571
Site Condition	The proposed tower will be installed at 264 Hill Drive in Chavies, Kentucky
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Perry County, KY is 30 inches (2.5 ft).
Groundwater	Groundwater was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.
Proposed Foundation	We assume the proposed foundation will be supported with either pad and pier or drilled shaft (caisson).

Field Exploration

Item	Description
Date	June 3rd, 2025
Number of Borings	3
Location	B-1: Latitude: 37.3454 Longitude: -83.3571 B-2: Latitude: 37.3455 Longitude: -83.3572 B-3: Latitude: 37.3454 Longitude: -83.3570
Equipment Used	CME 550X
Advancement Method	Hollow Stem Auger (HSA) and Rock Coring
Sampling Method	ASTM D-1586 with 1.5 I.D. Split Spoon Sampler ASTM D2113 Standard Practice for Rock Core Drilling and Sampling of Rock for Site Exploration

Laboratory Classification and Testing

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

Subsurface Profile

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

Material Encountered	Approximate Depth to Bottom of Stratum	Description	Consistency / Density
GRAVEL	3	Gray, dry poorly graded gravel	--
COAL	5	Black, dry coal	Medium Dense
PWR	18.6	Partially Weathered Rock sampled as weathered shale and limestone	--
LIMESTONE	28.6	Moderately weathered and fractured limestone	--

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

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

Earthwork Recommendations – Equipment Mat

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

Site Preparation

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

Fill Material Types

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

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

Fill Compaction Requirements

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

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

Excavations

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

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

Slopes

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

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

Earthwork Construction Considerations

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

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

Foundations Recommendations

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

Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 3.0	GP	105	27	--
	3.0 – 5.0	COAL	120	30	--
	5.0 – 8.0	PWR	130	38	--
	8.0 – 12.0	PWR	130	38	--
	12.0 – 18.6	PWR	130	38	--
	18.6 – 28.6	LIMESTONE	145	--	10,000
B-2	0.0 – 3.0	GP	105	27	--
	3.0 – 5.0	COAL	120	30	--
	5.0 – 8.0	PWR	130	38	--
	8.0 – 12.0	PWR	130	38	--
	12.0 – 13.7	PWR	130	38	--
B-3	0.0 – 3.0	GP	105	27	--
	3.0 – 5.0	COAL	120	30	--
	5.0 – 8.0	PWR	130	38	--
	8.0 – 9.3	PWR	130	38	--

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

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

Modulus of Subgrade Reaction

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

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

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

Where:

q_a = Allowable Bearing Capacity (ksf)
SF = Safety Factor
B = Base width (ft), use 1 if B< 1ft
k_{s-v} =Vertical Modulus of Subgrade Reaction (kcf)
k_{s-h} = Horizontal Modulus of Subgrade Reaction (ksf)

Caisson (Drilled Shaft)

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

Caisson (Drilled Shaft) Parameters

Boring #	Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	Ultimate Skin Friction[1] (ksf)		Lateral Modulus (pci)	ε_{50} (in/in)
			Compressive	Uplift		
B-1	0.0 – 3.0	--	--	--	--	--
	3.0 – 5.0	--	0.2	0.2	90	--
	5.0 – 8.0	--	0.4	0.4	225	--
	8.0 – 12.0	--	0.6	0.6	225	--
	12.0 – 18.6	40	1.0	1.0	225	--
	18.6 – 28.6	40	1.9	1.9	225	--

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

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

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

Pad & Pier / Single Mat Foundation

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

Net Ultimate Bearing Capacity and Sliding Friction Factor

Depth[2] (ft)	Net Ultimate Bearing Capacity[1] (psf)	Sliding Friction Factor[1]
0.0 – 3.0	--	--
3.0 – 12.0	10,000	0.35

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

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure[1] (psf)[1]
B-1	0.0 – 2.0	0 – 600
	2.0 – 4.0	600 – 1,200
	4.0 – 8.0	1,200 – 2,800
	8.0 – 12.0	2,800 – 4,400
	12.0 – 20.0	4,400 – 7,600

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

Seismic Parameters

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

Seismic Site Classification

Item	Seismic Parameter
2018 International Building Code Seismic Site Classification	D[1]
Design Spectral Response Acceleration Parameters	S_{ds} = 0.242g S_{d1} = 0.139g

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

LIMITATIONS OF REPORT

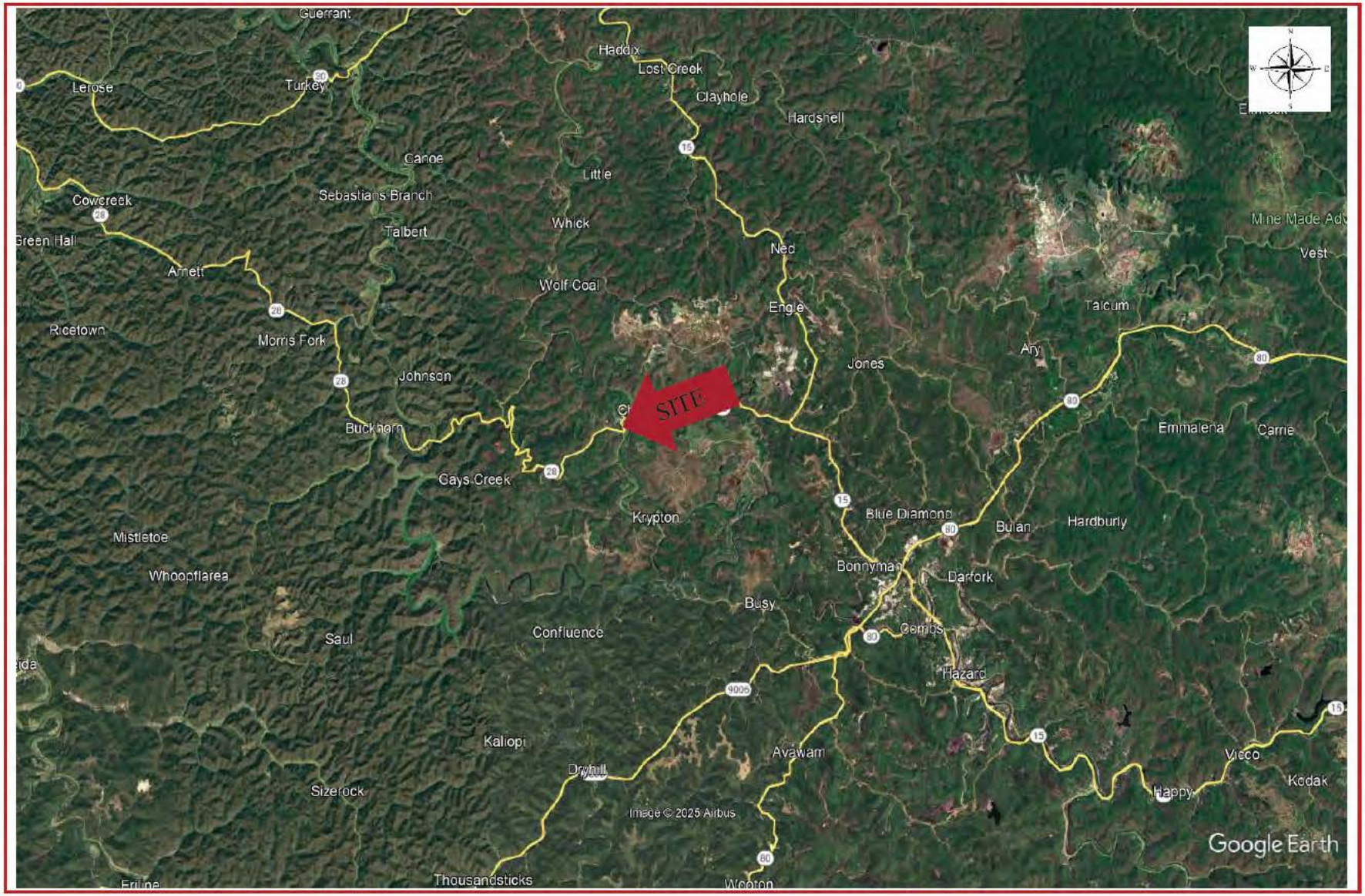
This report has been prepared in accordance with generally accepted geotechnical engineering practices for the specific application of this project. The conclusions in this report are based on the applicable standards of our practice in this geographic area at the time this report was prepared. No other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

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

APPENDIX A
LOCATION INFORMATION

SITE LOCATION PLAN
CHAVIES (US-KY-5202)
Job Number: 25136042

ENGINEERED TOWER SOLUTIONS



BORING LOCATION PLAN
CHAVIES (US-KY-5202)
Job Number: 25136042


Tc during

APPENDIX B
SOIL TEST BORING

BORING NUMBER B-1

ENGINEERED TOWER SOLUTIONS

CLIENT The Lotis Group
PROJECT NAME Chavies
PROJECT NUMBER 25136042
PROJECT LOCATION 264 Hill Drive, Chavies, KY 41727
DATE 6/3/2025
COORDINATES 37.3454, -83.3571
DRILLING METHOD Hollow Stem Auger (HSA) and Rock Coring
GROUND WATER LEVELS:
DRILLING EQUIPMENT CME 550
AT TIME OF DRILLING --- Not Encountered
LOGGED BY M. Nesbit
AT END OF DRILLING --- Not Encountered
NOTES
AFTER DRILLING --- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0		**POORLY GRADED GRAVEL (GP),** gray, dry.			
5		**COAL,** black, dry, medium dense.	SS 1		6-12-12 (24)
		PARTIALLY WEATHERED ROCK (PWR), , Sampled as weathered shale and limestone.	SS 2		2-28-50/2"
10			SS 3		50/0"
15			SS 4		50/0"
20		**LIMESTONE,** , Moderately weathered and fractured.	RC RC-1	98 (50)	
25			RC RC-2	87 (75)	
		Bottom of borehole at 28.6 feet.			

BORING NUMBER B-2

ENGINEERED TOWER SOLUTIONS

CLIENT The Lotis Group
PROJECT NAME Chavies
PROJECT NUMBER 25136042
PROJECT LOCATION 264 Hill Drive, Chavies, KY 41727
DATE 6/3/2025
COORDINATES 37.3455, -83.3572
DRILLING METHOD Hollow Stem Auger (HSA) and Rock Coring
GROUND WATER LEVELS:
DRILLING EQUIPMENT CME 550
AT TIME OF DRILLING --- Not Encountered
LOGGED BY M. Nesbit
AT END OF DRILLING --- Not Encountered
NOTES
AFTER DRILLING --- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0		**POORLY GRADED GRAVEL (GP),** gray, dry.			
		COAL, black, dry, medium dense.	SS 1		4-6-9 (15)
5		**PARTIALLY WEATHERED ROCK (PWR),** , Sampled as weathered shale.	SS 2		9-31-50/1"
			SS 3		50/0"
10		Auger Refusal at 13.7 feet.	SS 4		50/0"

BORING NUMBER B-3

ENGINEERED TOWER SOLUTIONS

CLIENT The Lotis Group
PROJECT NAME Chavies
PROJECT NUMBER 25136042
PROJECT LOCATION 264 Hill Drive, Chavies, KY 41727
DATE 6/3/2025
COORDINATES 37.3454, -83.357
DRILLING METHOD Hollow Stem Auger (HSA) and Rock Coring
GROUND WATER LEVELS:
DRILLING EQUIPMENT CME 550
AT TIME OF DRILLING --- Not Encountered
LOGGED BY M. Nesbit
AT END OF DRILLING --- Not Encountered
NOTES
AFTER DRILLING --- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0		**POORLY GRADED GRAVEL (GP),** gray, dry.			
		COAL, black, dry, medium dense.	SS 1		2-4-15 (19)
5		**PARTIALLY WEATHERED ROCK (PWR),** , Sampled as weathered shale.			
			SS 2		11-50/3"
			SS 3		50/1"

Auger Refusal at 9.3 feet.

EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Site

1. Beginning at the Perry County Courthouse at 481 Main Street, Hazard, KY 41701
2. Head southeast on Main Street toward Lovern Street
3. Turn left onto Lovern Street
4. Turn left onto Memorial Drive
5. Turn Right onto N Main Street
6. Turn right onto Ky 15 Business North/Ky 2451
7. Turn left onto KY-28 W
8. Turn right onto First Street
9. Turn left onto Hill Street
10. The site coordinates are 37° 20' 43.65" North latitude, 83° 21' 25.79" West longitude

Prepared by:
Robert W. Grant
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I
COPY OF REAL ESTATE AGREEMENT

OPTION AND AGREEMENT TO PURCHASE

THIS OPTION AND AGREEMENT TO PURCHASE (this "**Agreement**") is entered into as of the 11th day of June 2025 (the "**Effective Date**") by and between, **Perry County, Kentucky, Public Properties Corporation**, of P. O. Drawer 210, Hazard, KY 41702 ("**First Party**"), and **VB BTS III, LLC, a Delaware limited liability company,** whose address is 750 Park of Commerce Drive, Suite 200, Boca Raton, Florida 33487 ("**Second Party**").

WITNESSETH:

WHEREAS, First Party owns certain real property (the "**Property**") as described and identified in **Exhibit A** attached hereto, and being the same property acquired by deed from Appalachia Service Project, Inc. to First Party by Quit Claim Deed recorded March 15, 2021that was recorded in Deed Book 414, Page 120 records of the Perry County Court Clerk's Office, Kentucky, and

WHEREAS, Second Party desires to purchase a portion of the Property, together with any easements, rights-of-way, appurtenances, and hereditaments belonging or in any way appertaining thereto, including all improvements and fixtures located thereon (the "**Premises**") as described and identified in **Exhibit B** attached hereto.

NOW, THEREFORE, the undersigned, with the intention to be legally bound hereby, and in consideration of the mutual promises herein, agree as follows:

1. Second Party shall pay to First Party the sum of [redacted] (the "**Initial Option Fee**") upon execution of this Agreement for the exclusive option (the "**Option**") to purchase the Premises for the amount of [redacted] (the "**Purchase Price**").

2. The Option is for a period of one year from the Effective Date (the "**Option Period**"). The Option Period may be extended for an additional one-year period upon payment of an additional sum of [redacted] (the "**Second Option Fee**"), provided notice to extend the Option Period is given 30 days prior

to the expiration of the original one-year option and payment of the additional [redacted]s made within the original one-year option period. The money paid for the Option, as may be extended herein shall not reduce the purchase price of [redacted]. The Initial Option Fee and the Second Option Fee may be referred to herein individually, or collectively (if applicable), as the "**Option Fee**."

3. During the Option Period the Second Party, its agents, employees and contractors shall have the right to access the Premises to conduct such inspections, test borings, surveys, percolation tests, and other engineering studies and site analyses as Second Party may require, including environmental investigations. The tests shall be made solely at Second Party's expense. If the tests indicate, in Second Party's sole opinion, that the Premises is not suitable for Second Party's intended use of the Premises, Second Party may at its option cancel this Agreement and neither party shall have any further liability or obligation hereunder. Additionally, First Party grants to Second Party, its agents, employees, and contractors, the right to enter upon the Premises during the Option Period in order to prepare surveys and other plans, and to visit the Premises with potential lenders, tenants or other occupants, and taxing authorities.

4. All persons coming on to the Premises at the request of or by permission of Second Party shall be covered by workers compensation insurance and general liability insurance in the amount of at least [redacted].

5. In the event the Second Party exercises the Option, First Party agrees to sell and convey to Second Party, and Second Party agrees to purchase the Premises and consummation of this Agreement for the sale and purchase of the Premises (the "**Closing**") shall be held at the offices of either party's counsel or title company or wherever or however the parties may mutually agree within thirty (30) days of exercise of the Option by First Party (the "**Closing Date**"). Time shall be of the essence of this Agreement. Upon payment of the Purchase Price, First Party shall convey to Second Party the Premises "as is" and by deed with covenants of Special Warranty. First Party makes no representation that the Premises is fit for the

intended purposes of Second Party.

6. Notwithstanding anything else herein contained, First Party's obligation to consummate the Closing hereunder is contingent upon the following:

a. In accordance with the rules and requirements of the jurisdiction in which the Property is located, First Party shall cause to have the Property (described in Exhibit A) subdivided in order to carve out the approximately 13,178 square feet, comprising the Premises, and First Party shall provide sufficient documentation acceptable to Second Party to demonstrate the subdivision.

b. The deed to be delivered to Second Party at the Closing shall include, if applicable to ensure that Second Party has access and utility rights from the Premises to a public right of way, a non-exclusive perpetual easement across portions of the Property as needed for ingress, egress and public utilities, including but not limited to installing, operating, maintaining, repairing, replacing, accessing and supplying utility services to the Premises and locating, relocating, erecting, constructing, reconstructing, installing, operating, maintaining, patrolling, inspecting, repairing, replacing, altering, extending, and/or removing one or more overhead and/or underground telecommunication cables and lines for communication, microwave, fiber, backhaul, and/or electricity and any necessary manholes, handholes, equipment, poles, appurtenances and attachments incidental thereto for all the above purposes, within, along, under, across and through that portion of the Property.

c. First Party's warranties and representations herein being true and correct in all material respects as of the Closing Date, and First Party having complied with all of First Party's obligations under this Agreement.

7. Second Party shall be responsible for the payment of the property taxes on the Premises to be conveyed commencing on the Closing Date. Property taxes for the year of the transfer of the Premises shall be prorated.

8. First Party represents to its knowledge that there are no unrecorded mortgages, contracts, purchase agreements, options, permits, leases, easements or other agreements or interest related to the Premises.

9. During the Option Period, First Party agrees: (1) not to rent, license or grant occupancy rights to the Premises during the Option Period, as the same may be extended; (2) that First Party shall continue to operate and manage the Premises in the same manner as it has done in the past; and (3) that First Party shall not perform any work in or on the Premises which might give rise to any mechanics' liens on the Premises. Additionally, from and after the date of this Agreement until Closing, First Party will not

convey or encumber the Premises or take any action which materially adversely affects any portion of the Premises.

10. Second Party shall indemnify and hold First Party harmless for any and all claims arising out of the actions of persons or entities who have come on to the Property at the request of or by permission of Second Party during the Option Period.

11. First Party represents and warrants that this Agreement and all agreements, instruments and documents to be executed and delivered by First Party are duly authorized: First Party has the capacity and authority to consummate the transactions herein provided; and nothing prohibits or restricts the right or ability of First Party to close the transactions contemplated hereunder and carry out the terms hereof.

12. First Party represents and warrants that it is not a foreign person as defined in Section 1445(f)(3) of the Code. First Party will deliver to Second Party at the Closing a Certificate of Non-Foreign Status certifying the correctness of this section. At the Closing, First Party shall also deliver to Second Party a certificate of First Party stating that the representations and warranties of First Party remain true and correct as of the Closing Date; and such other documents as may be reasonably required to effectuate the sale and purchase contemplated in this Agreement.

13. First Party represents and warrants that there are no unrecorded mortgages, contracts, purchase agreements, options, permits, leases, easements or other agreements or interest relating to the Premises, and as of the Closing Date there will be no persons or parties in possession of any portion of the Premises.

14. First Party and Second Party each represents and warrants to the other that it has had no dealings, negotiations or consultations with respect to the Premises or this transaction with any broker or intermediary, and that no other broker or intermediary is entitled to a fee or commission in connection with this Agreement. In the event that any other broker or intermediary claims a fee or commission in connection with this Agreement based upon the acts of First Party or Second Party, that party will be responsible for

and will indemnify and save the other harmless from and against all costs, damages, fees (including, without limitation, reasonable attorneys' fees), expenses, liabilities, and claims incurred or suffered by the other as a result thereof. This Section shall survive the Closing.

15. This Agreement shall be binding upon the parties hereto and their respective heirs, administrators, executors, successors, and assigns. Second Party may, at its election and expense, record a notice of the existence of the Option hereunder, and First Party shall join in any such notice for recording.

16. This Agreement (including any exhibits attached hereto) contains the entire agreement between First Party and Second Party with respect to the transaction contemplated herein and the Premises; there are no other terms, covenants, obligations or representations, oral or written, of any kind whatsoever related to the subject matter of this transaction. This Agreement may be amended only by a written instrument executed by the party against whom the amendment is being enforced.

17. In the event that Second Party decides not to exercise the Option, this Agreement shall terminate upon notice from Second Party that it does not intend to exercise the Option.

18. 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 First Party:	If to Second Party:
Perry County, Kentucky P. O. Drawer 210 Hazard, KY 41702	VB BTS III, LLC 750 Park of Commerce Drive, Suite 200 Boca Raton, FL 33487 Attn: VP Asset Management Ref: US-KY-5202 Chavies With a copy to: VB BTS III, LLC 750 Park of Commerce Drive, Suite 200 Boca Raton, FL 33487 Attn: General Counsel Ref: US-KY-5202 Chavies

19. In the event that First Party shall be in breach of this Agreement, Second Party's sole remedy shall be (a) recovery of the Option Fee paid by Second Party to First Party; or (b) to require that the transfer of the Premises proceed by special warranty deed in exchange for the full Purchase Price of [redacted]

20. This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but which together shall constitute one and the same instrument.

[SIGNATURES AND ACKNOWLEDGEMENTS BEGIN ON NEXT PAGE]

IN WITNESS WHEREOF, the parties hereto, intending to be legally bound hereby, have caused this Agreement to be signed the day and year first above written.

FIRST PARTY:

Perry County, Kentucky, Public Properties Corporation
a Kentucky corporation

By: Scott Alexander

Name: Scott Alexander

Title: County Judge Executive

Date: 5-13-2025

STATE OF KENTUCKY

COUNTY OF PERRY

The foregoing instrument was acknowledged before me this May 13, 2025 by Scott Alexander (name of signatory), County Judge Executive (title of signatory) of Perry County, Kentucky, Public Properties Corporation, a Kentucky, on behalf of the corporation.

James R Hampton

Notary Public KYNP15912

Printed Name: James R Hampton

My Commission Expires:

10-5-2027

This instrument prepared by:

James R Hampton

JAMES R. HAMPTON
Attorney at Law
457 Main Street
P.O. Box 1107
Hazard, Kentucky 41702
Telephone: (606) 436-4133

[Second Party signature and acknowledgement page to Option and Agreement to Purchase]

SECOND PARTY:

VB BTS III, LLC
a Delaware limited liability company

By: _____

Name: Randy Wilson
Vice President Development

Title: _____

Date: 6/11/25

Leasing Ops DS

STATE OF FLORIDA

COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this June 11, 2025 by Randy Wilson (name of signatory), VP Dev (title of signatory) of VB BTS III, LLC, a Delaware limited liability company, on behalf of the company.

Jeanne M Bruning
Notary Public

Printed Name: Jeanne M. Bruning

My Commission Expires:

4/20/28

JEANNE M. BRUNING
MY COMMISSION # HH 489847
EXPIRES: April 20, 2028

Exhibit A

Property
(legal description)

Parent parcel:

BEGINNING at a stake near a fence on the north side of the road leading to the Johnson Cemetery and approximately two_ hundred fifty feet (250'-00") westward of said cemetery from which a twelve inch (1211) pine bears_ S 40-19 W forty two feet (42') and from which stake a tack in the root of a twenty four inch (2411) poplar bears N 40-19 E one hundred fifty two feet (152') to a stake in the line of the Tom Johnson estate; thence with same N 38-:50 W two hundred twenty nine feet (229'-C0") to a stake; thence N 65-52 W passing on the southward side of a twelve inch (12 ") black walnut at One hundred thirty one feet (131 ') in all one hundred ninety nine feet (199'-00") to a stake in the eastward side of the road leading to the Johnson Cemetery, thence along said road S 1-53 one hundred forty eight feet (148'-0011) to thirty inch (30") black oak; thence cross ng a fence and paralleling north side of sa d fence and roac S 43-05 E two hundred twenty four and five tenths feet (224 5') to a stake near said fence following northward of said fence and road one hundred and five tenths feet (100 5') to the point of beg nning and containing one and twenty three hundredths acres (1.23). more or less.

Parcel ID 034-20 03 001 00

This being the same property conveyed to Perry County, Kentucky, Public Properties Corporation a Kentucky Corporation from Appalachia Service Project, Inc , a Tennessee Corporation ,n a Quitclaim Deed with Certification dated March 3 202' and recorded March 15 2021 in Book 414 and Page 120 in Perry County, Kentucky.

Exhibit B

Premises
(legal description)
(below may be updated upon completion of a final survey)

The Premises to be purchase by Second Party from First Party is described as follows:

Beginning at a capped "Sharondale Nashville" iron pin set in the north margin of Hill Drive located at Kentucky State Plane (South Zone) NAD 83 Grid Coordinate North 2,017,652.51, East 2,335,902.36;

Thence, with the north margin of Hill Drive, North 48 degrees 20 minutes 55 seconds West, 80.01 feet to a capped "Sharondale Nashville" iron pin set;

Thence, leaving the north margin of Hill Drive, North 42 degrees 22 minutes 34 seconds East, 171.54 feet to a capped "Sharondale Nashville" iron pin set;

Thence, South 38 degrees 39 minutes 36 seconds East, 80.99 feet to a capped "Sharondale Nashville" iron pin set;

Thence, South 42 degrees 22 minutes 34 seconds West, 157.90 feet to the point of beginning, containing 13,178 square feet, (0.303 acres).

Being a portion of the property conveyed to Perry County, Kentucky, Public Properties Corporation, a Kentucky Corporation, from Appalachia Service Project, Inc., a Tennessee Corporation in a Quitclaim Deed with Certification dated March 3, 2021 and recorded March 15, 2021, of record in Book 414, Page 120, of the Court Clerk's Office of Perry County, Kentucky.

Depicted as follows on the following page:

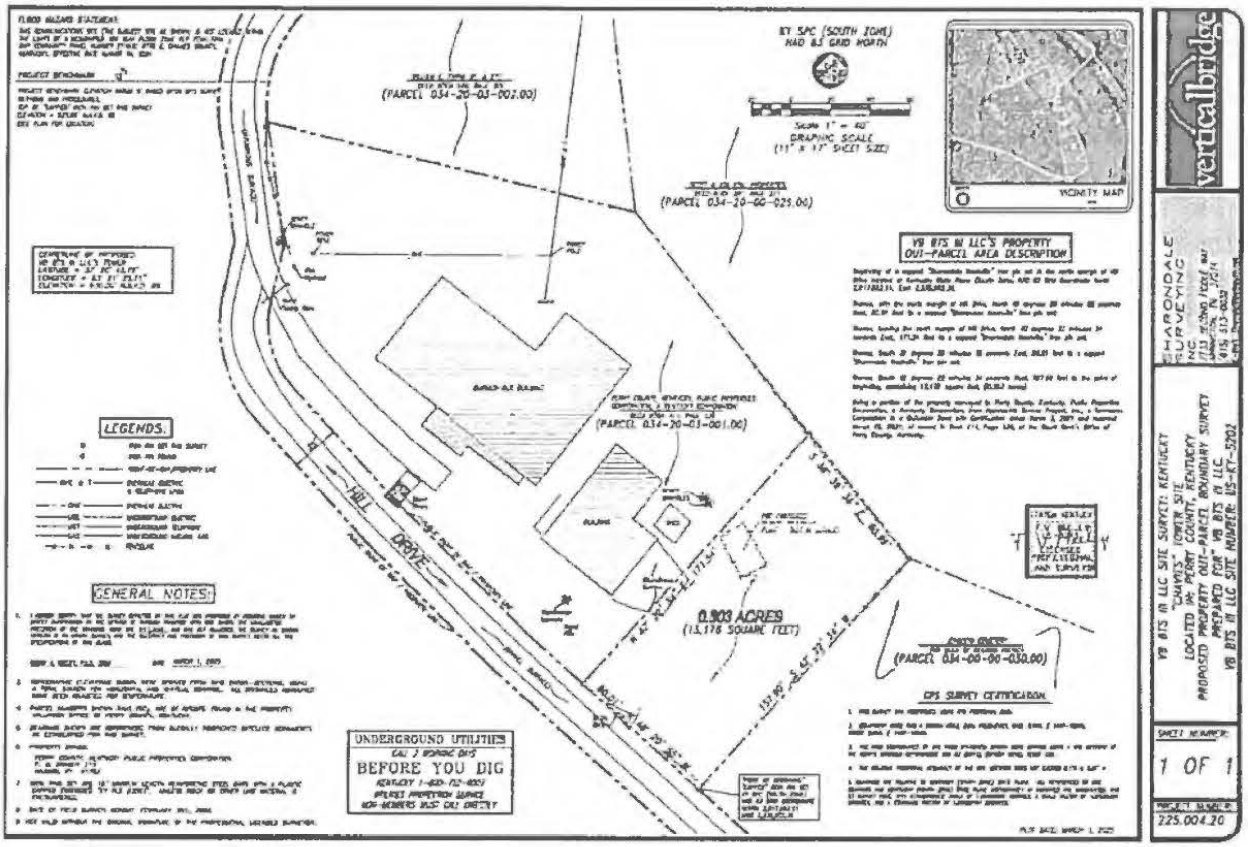

LEGENDS
GENERAL NOTES:
0.903 ACRES
(39,376 SQUARE FEET)
UNDERGROUND UTILITIES
BEFORE YOU DIG
VB BTS III LLC'S PROPERTY
OUT-PARCEL AREA DESCRIPTION
GPS SURVEY CERTIFICATION
VICINITY MAP
verticalbridge
SHEET NUMBER
1 OF 1
225.004.20

EXHIBIT J
NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE

Chavies Gays Creek – Notice List
6-17-25

034-20-03-001.00
PERRY COUNTY KY PUBLIC
PROPERTIES
P O DRAWER 210
HAZARD, KY 41702

034-00-00-030.00
CEMETERY JOHNSON
BOX 12
CHAVIES, KY 41727

034-00-00-031.00
FARRA WILLIAM E JR & ETC C/O MATTHEW R./
NANCY HOUT
555 SOUTH PIERCE ST UNIT 350
LAKEWOOD, CO 80226

034-20-01-001.00
DUFF PAULA
PO BOX 52
CHAVIES, KY 41727

034-20-01-002.00
SCOTT & KIM KING
PROPERTIES LLC
PO BOX 446
CHAVIES, KY 41727

034-20-03-002.00
FARRA WILLIAM E JR & ETC C/O MATTHEW
R./ NANCY HOUT
555 SOUTH PIERCE ST UNIT 350
LAKEWOOD, CO 80226

034-20-03-003.00
KILBURN ALBERT &
REBECCA
PO BOX 125
CHAVIES, KY 41727

034-20-03-004.00
BRIDGES KRISTY & BRIAN
PO BOX 314
CHAVIES, KY 41727

034-20-03-006.00
FUGATE WILLIAM & TINA
72 HILL DRIVE
CHAVIES, KY 41727

034-00-00-029.00
SCOTT AND KIM KING
PROPERTIES LLC
P.O. BOX 446
CHAVIES, KY 41727

Perry County, KY PVA

Summary

Parcel Number	034-20-03-001.00
Account Number	696545
Location Address	CHAVIES
Description	DB 414 PG 120 03/15/2021 (Note: Not to be used on legal documents)
Class	EXEMPT FEDERAL (91)
Tax District	01-Common

View Map

Owner

PERRY COUNTY KY PUBLIC PROPERTIES
P O DRAWER 210
HAZARD, KY 41702

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	2.30	**Water**	No
Front	0	**Gas**	No
Depth	0	**Sewer**	No
Lot Size	0x0	**Road**	Secondary
Lot Sq Ft	100188	**Sidewalks**	No
Shape		**Information Source**	

Perry County, KY PVA

Summary

Parcel Number	034-00-00-030.00
Account Number	696498
Location Address	HWY 28 CHAVIES
Description	MAPPING (Note: Not to be used on legal documents)
Class	EXEMPT OTHER (99)
Tax District	02-Graded

View Map

Owner

CEMETERY JOHNSON
BOX 12
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	20.15	**Water**	No
Front	0	**Gas**	No
Depth	0	**Sewer**	No
Lot Size	0x0	**Road**	
Lot Sq Ft	877734	**Sidewalks**	No
Shape		**Information Source**	

Perry County, KY PVA

Summary

Parcel Number	034-00-00-031.00
Account Number	696500
Location Address	CHAVIES
Description	DB 149 PG 306 DB 129 PG 421 (Note: Not to be used on legal documents)
Class	FARM (20)
Tax District	01-Common

View Map

Owner

FARRA WILLIAM E JR & ETC C/O MATTHEW R./ NANCY HOUT
555 SOUTH PIERCE ST UNIT 350
LAKEWOOD, CO 80226

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	63.37	**Water**	No
Front	0	**Gas**	No
Depth	0	**Sewer**	No
Lot Size	0x0	**Road**	
Lot Sq Ft	2760397	**Sidewalks**	No
Shape		**Information Source**	

Perry County, KY PVA

Summary

Parcel Number	034-20-01-001.00
Account Number	696508
Location Address	CHAVIES
Description	DB 406 PG 76 08-26-19 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

DUFF PAULA
PO BOX 52
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	2.00	**Water**	No
Front	0	**Gas**	No
Depth	0	**Sewer**	No
Lot Size	0x0	**Road**	Secondary
Lot Sq Ft	87120	**Sidewalks**	No
Shape		**Information Source**	

Perry County, KY PVA

Summary

Parcel Number	034-20-01-002.00
Account Number	696509
Location Address	CHAVIES
Description	DB 365 PG 308 JUNE 20 2012 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

SCOTT & KIM KING PROPERTIES LLC
PO BOX 446
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	0.00	**Water**	No
Front	165	**Gas**	No
Depth	215	**Sewer**	No
Lot Size	165x215	**Road**	Secondary
Lot Sq Ft	0	**Sidewalks**	No
Shape		**Information Source**	

Perry County, KY PVA

Summary

Parcel Number	034-20-03-002.00
Account Number	696546
Location Address	N/A
Description	DB 149 PG 306 DB 129 PG 421 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

FARRA WILLIAM E JR & ETC C/O MATTHEW R./ NANCY HOUT
555 SOUTH PIERCE ST UNIT 350
LAKEWOOD, CO 80226

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	0.00	**Water**	No
Front	200	**Gas**	No
Depth	100	**Sewer**	No
Lot Size	200x100	**Road**	
Lot Sq Ft	0	**Sidewalks**	No
Shape		**Information Source**	

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Perry County, KY PVA

Summary

Parcel Number	034-20-03-003.00
Account Number	696547
Location Address	HILL STREET CHAVIES
Description	DB 410 PG 738 08-31-20 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

KILBURN ALBERT & REBECCA
PO BOX 125
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block	H	**Electric**	No
Acres	0.00	**Water**	No
Front	200	**Gas**	No
Depth	100	**Sewer**	No
Lot Size	200x100	**Road**	Secondary
Lot Sq Ft	0	**Sidewalks**	No
Shape		**Information Source**	

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Perry County, KY PVA

Summary

Parcel Number	034-20-03-004.00
Account Number	696548
Location Address	CHAVIES
Description	DB 386 PG 418 DECEMBER 22 2015 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

BRIDGES KRISTY & BRIAN
PO BOX 314
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	0.00	**Water**	No
Front	100	**Gas**	No
Depth	100	**Sewer**	No
Lot Size	100x100	**Road**	
Lot Sq Ft	0	**Sidewalks**	No
Shape		**Information Source**	

Perry County, KY PVA

Summary

Parcel Number	034-20-03-006.00
Account Number	696550
Location Address	N/A
Description	DB 424 PG 630 10-12-22 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

FUGATE WILLIAM & TINA
72 HILL DRIVE
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	1.40	**Water**	No
Front	0	**Gas**	No
Depth	0	**Sewer**	No
Lot Size	0x0	**Road**	
Lot Sq Ft	60984	**Sidewalks**	No
Shape		**Information Source**	

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Perry County, KY PVA

Summary

Parcel Number	034-00-00-029.00
Account Number	696493
Location Address	HWY 28 CHAVIES
Description	DB 391 PG 371 12-13-2016 (Note: Not to be used on legal documents)
Class	RESIDENTIAL (10)
Tax District	01-Common

View Map

Owner

SCOTT AND KIM KING PROPERTIES LLC
P.O. BOX 446
CHAVIES, KY 41727

Land

Condition		**Topography**	Not Used
Plat Book/Page		**Drainage**	
Subdivision		**Flood Hazard**	
Lot		**Zoning**	
Block		**Electric**	No
Acres	2.09	**Water**	No
Front	0	**Gas**	No
Depth	0	**Sewer**	No
Lot Size	0x0	**Road**	
Lot Sq Ft	91040	**Sidewalks**	No
Shape		**Information Source**	


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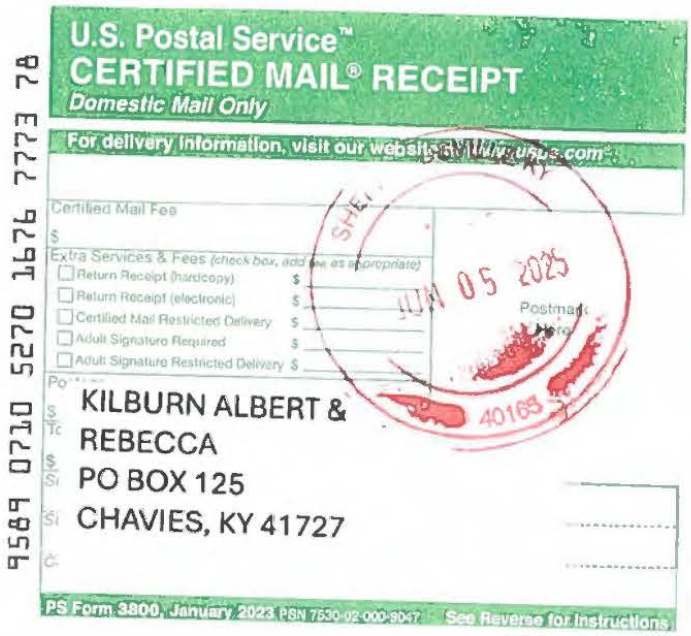
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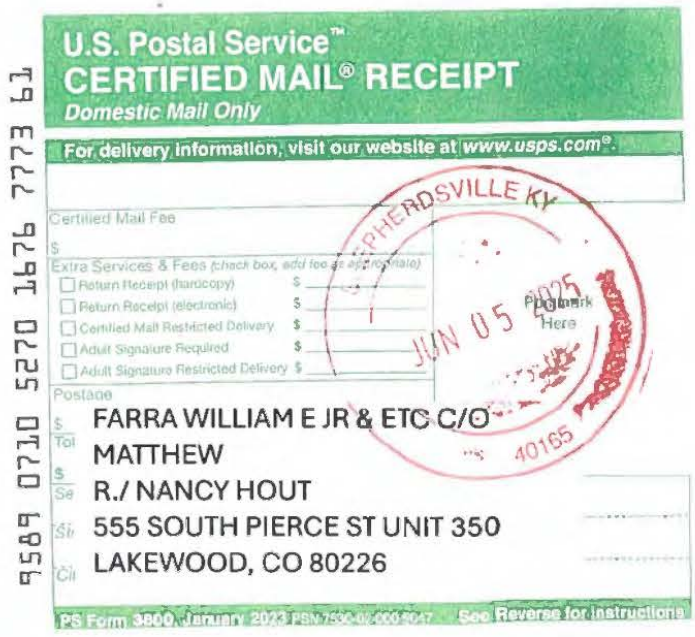
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MATTHEW
R./ NANCY HOUT
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MATTHEW R./
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LAKEWOOD, CO 80226
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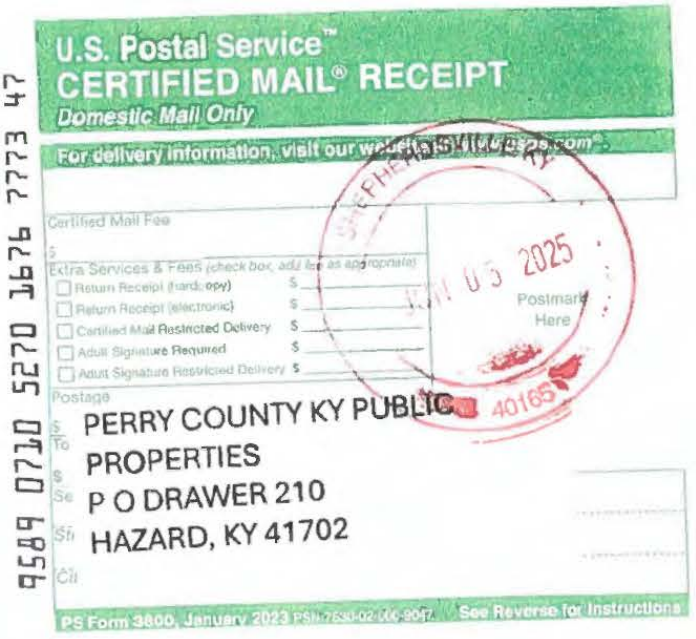
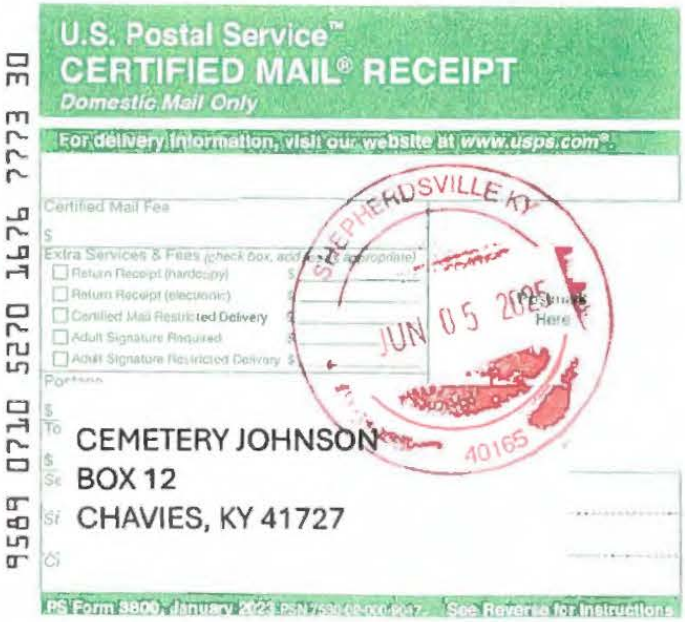
Adult Signature Required
Adult Signature Restricted Delivery
Postage
To
DUFF PAULA
PO BOX 52
CHAVIES, KY 41727
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions
SHEPHERDSVILLE KY
JUN 05 2025
40165
9589 0710 5270 1676 7723 16


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)
Return Receipt (hardcopy)
Return Receipt (electronic)
Certified Mail Restricted Delivery
Adult Signature Required
Adult Signature Restricted Delivery
Postage
To
PERRY COUNTY KY PUBLIC
PROPERTIES
P O DRAWER 210
HAZARD, KY 41702
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions
JUN 05 2025
Postmark Here
40165
9589 0710 5270 1676 7723 47


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)
Return Receipt (hardcopy)
Return Receipt (electronic)
Certified Mail Restricted Delivery
Adult Signature Required
Adult Signature Restricted Delivery
Postage
To
CEMETERY JOHNSON
BOX 12
CHAVIES, KY 41727
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions
SHEPHERDSVILLE KY
JUN 05 2025
40165
9589 0710 5270 1676 7723 30

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:

BRIDGES KRISTY & BRIAN
PO BOX 314
CHAVIES, KY 41727

9590 9402 7926 2305 8871 60

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7773 85

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Brian Bridges C. Date of Delivery 6/9/25

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

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

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

---

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

FUGATE WILLIAM & TINA
72 HILL DRIVE
CHAVIES, KY 41727

9590 9402 7926 2305 8871 22

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7773 54

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Daniel Farler C. Date of Delivery 6/7/25

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

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

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

---

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

SCOTT AND KIM KING
PROPERTIES LLC
P.O. BOX 446
CHAVIES, KY 41727

9590 9402 7926 2305 8871 39

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7774 39

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 6/9/25

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

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

PERRY COUNTY KY PUBLIC
PROPERTIES
P O DRAWER 210
HAZARD, KY 41702

9590 9402 7926 2305 8872 14

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7773 47

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X J Walk ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

04-13

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

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

SCOTT & KIM KING
PROPERTIES LLC
PO BOX 446
CHAVIES, KY 41727

9590 9402 7926 2305 8871 77

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7773 09

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* D. Date of Delivery

6/9/25

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

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☑ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

DUFF PAULA
PO BOX 52
CHAVIES, KY 41727

9590 9402 7926 2305 8871 84

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7773 16

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Paula Duff

☐ 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

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

9
ille, KY 40165-0369

VACANT
BOX

CERTIFIED MAIL®

LOUISVILLE KY 400

9589 0710 5270 1676 7773 30

FIRST-CLASS

PM 2L

US POSTAGE PITNEY BOWES

ZIP 40165
02
00603260

$ 009.64⁰

JAN 05 2025

CEMETERY JOHNSON
BOX 12
CHAVIES, KY 41727

[redacted]

40165>0369
41727-001212

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:

CEMETERY JOHNSON
BOX 12
CHAVIES, KY 417[illegible]

9590 9402 7926 2305 8872 07

2. Article Number *(Transfer from service label)*

9589 0710 5270 1676 7773 30

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

USPS Tracking®

FAQs >

Remove ×

Tracking Number:

9589071052701676777378

Copy **Add to Informed Delivery (https://informeddelivery.usps.com/)**

Latest Update

Your item arrived at our USPS facility in NASHVILLE TN DISTRIBUTION CENTER on June 24, 2025 at 6:05 pm. The item is currently in transit to the destination.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

Arrived at USPS Regional Facility

NASHVILLE TN DISTRIBUTION CENTER
June 24, 2025, 6:05 pm

Unclaimed/Being Returned to Sender

CHAVIES, KY 41727
June 23, 2025, 10:11 am

Available for Pickup

CHAVIES
5876 KY HIGHWAY 28
CHAVIES KY 41727-9998
M-F 0800-1430; SAT 0800-1130
June 12, 2025, 10:38 am

Reminder to pick up your item

CHAVIES, KY 41727
June 12, 2025

Available for Pickup

Feedback

CHAVIES
5876 KY HIGHWAY 28
CHAVIES KY 41727-9998
M-F 0800-1430; SAT 0800-1130
June 7, 2025, 9:39 am

Arrived at Post Office

CHAVIES, KY 41727
June 7, 2025, 9:38 am

Departed USPS Regional Facility

KNOXVILLE TN DISTRIBUTION CENTER
June 7, 2025, 2:58 am

Arrived at USPS Regional Facility

KNOXVILLE TN DISTRIBUTION CENTER
June 6, 2025, 8:59 am

Arrived at USPS Regional Facility

LOUISVILLE KY DISTRIBUTION CENTER
June 5, 2025, 10:25 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (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

USPS Tracking®

FAQs >

Remove ×

Tracking Number:

9589071052701676777361

Copy **Add to Informed Delivery (https://informeddelivery.usps.com/)**

Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

In Transit to Next Facility
June 24, 2025

Arrived at USPS Regional Facility
LOUISVILLE KY DISTRIBUTION CENTER
June 20, 2025, 11:02 am

Arrived at USPS Regional Facility
COLORADO SPRINGS CO DISTRIBUTION CENTER
June 17, 2025, 10:17 am

Forward Expired
DENVER, CO 80226
June 14, 2025, 5:10 pm

Arrived at USPS Regional Facility
DENVER CO DISTRIBUTION CENTER
June 13, 2025, 11:20 pm

Arrived at USPS Regional Facility

Feedback

COLORADO SPRINGS CO DISTRIBUTION CENTER
June 12, 2025, 3:55 pm

Addressee Unknown

DENVER, CO 80226
June 9, 2025, 6:38 pm

Departed USPS Regional Facility

DENVER CO DISTRIBUTION CENTER
June 9, 2025, 8:02 am

Arrived at USPS Regional Facility

DENVER CO DISTRIBUTION CENTER
June 7, 2025, 11:44 am

Arrived at USPS Regional Facility

LOUISVILLE KY DISTRIBUTION CENTER
June 5, 2025, 10:40 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (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.

USPS Tracking®

FAQs >

Remove ×

Tracking Number:

9589071052701676777323

Copy **Add to Informed Delivery (https://informeddelivery.usps.com/)**

Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

In Transit to Next Facility
June 24, 2025

Arrived at USPS Regional Facility
LOUISVILLE KY DISTRIBUTION CENTER
June 20, 2025, 11:02 am

Arrived at USPS Regional Facility
COLORADO SPRINGS CO DISTRIBUTION CENTER
June 17, 2025, 10:17 am

Forward Expired
DENVER, CO 80226
June 14, 2025, 5:11 pm

Arrived at USPS Regional Facility
DENVER CO DISTRIBUTION CENTER
June 13, 2025, 11:20 pm

Arrived at USPS Regional Facility

Feedback

COLORADO SPRINGS CO DISTRIBUTION CENTER
June 12, 2025, 3:55 pm

Addressee Unknown

DENVER, CO 80226
June 9, 2025, 6:38 pm

Departed USPS Regional Facility

DENVER CO DISTRIBUTION CENTER
June 9, 2025, 8:02 am

Arrived at USPS Regional Facility

DENVER CO DISTRIBUTION CENTER
June 7, 2025, 11:44 am

Arrived at USPS Regional Facility

LOUISVILLE KY DISTRIBUTION CENTER
June 5, 2025, 10:23 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean? (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.

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:

VB BTS III, LLC d/b/a Vertical Bridge and New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding, are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on 264 Hill Drive, Chavies, KY 41727 (37° 20' 43.65" North latitude, 83° 21' 25.79" West longitude). The proposed facility will include a 255-foot tower with a 5-foot lightning arrestor attached at the top for a total height of 260-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 2025-00180 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. AT&T's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us toll free at (800) 516-4293 if you have any comments or questions about this proposal. The Applicant site name is Chavies.

Sincerely,
David A. Pike
Attorney for Applicant

enclosures

Driving Directions to Proposed Site

1. Beginning at the Perry County Courthouse at 481 Main Street, Hazard, KY 41701
2. Head southeast on Main Street toward Lovern Street
3. Turn left onto Lovern Street
4. Turn left onto Memorial Drive
5. Turn Right onto N Main Street
6. Turn right onto Ky 15 Business North/Ky 2451
7. Turn left onto KY-28 W
8. Turn right onto First Street
9. Turn left onto Hill Street
10. The site coordinates are 37° 20' 43.65" North latitude, 83° 21' 25.79" West longitude

Prepared by:
Robert W. Grant
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT L
COPY OF COUNTY JUDGE/EXECUTIVE 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. Scott Alexander
Perry County Judge Executive
P.O. Drawer 210
Hazard, KY 41702

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2025-00180
Site Name: Chavies

Dear Judge/Executive:

VB BTS III, LLC d/b/a Vertical Bridge and New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding, are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on 264 Hill Drive, Chavies, KY 41727 (37° 20' 43.65" North latitude, 83° 21' 25.79" West longitude). The proposed facility will include a 255-foot tower with a 5-foot lightning arrestor attached at the top for a total height of 260-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 2025-00180 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. AT&T's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
David A. Pike
Attorney for Applicant
enclosures

Driving Directions to Proposed Site

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4. Turn left onto Memorial Drive
5. Turn Right onto N Main Street
6. Turn right onto Ky 15 Business North/Ky 2451
7. Turn left onto KY-28 W
8. Turn right onto First Street
9. Turn left onto Hill Street
10. The site coordinates are 37° 20' 43.65" North latitude, 83° 21' 25.79" West longitude

Prepared by:
Robert W. Grant
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT M
COPY OF POSTED NOTICES
AND NEWSPAPER NOTICE ADVERTISEMENT

SITE NAME: CHAVIES
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.

VB BTS III, LLC d/b/a Vertical Bridge and New Cingular Wireless PCS, LLC, a Delaware limited liability company, 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 2025-00180 in your correspondence.

VB BTS III, LLC d/b/a Vertical Bridge and New Cingular Wireless PCS, LLC, a Delaware limited liability company, 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 2025-00180 in your correspondence.

package can be obtained by contacting Angelia Hall, at 481 Main Street Hazard, Ky 41701 A minimum of three (3) individual copies of the proposal should be submitted to the attention of Angelia Hall at the aforementioned address and clearly marked on the outside Request for Proposals- Alais Road Sidewalk Project, no later than 2:00 pm local time, Thursday, July 3, 2025

Inquiries regarding this RFP should be directed at: Angelia Hall, 48 Main Street Hazard, Ky. 41701, 606-439-1816.

PUBLIC NOTICE

To whom it may concern: Bakers Auto Body is placing a mechanics lien for a 2018 Chevrolet Traverse for outstanding storage bill. This is a silver 4 door with VIN 1GNEVHKWXJJ204169.

The vehicle owner listed is Earnel Rice and lienholder listed is Wells Fargo Auto. Bakers Auto Body, 5461 Ky Highway 451, Hazard, KY 41701 606-436-6794

INVITATION TO BID

The Board of Education of the Hazard Independent Schools hereby invites bid proposals from all qualified bidders for comprehensive insurance coverage. The contract shall be awarded to the bidder who submits the lowest evaluated bid, as that term is defined in the Model Procurement Code. The objective criteria to be used in determining the lowest evaluated bid shall be as follows:

Reliability;Business judgment of the Bidder ,Business capacity of the Bidder;Skill of the Bidder Responsibility of the Bidder;Reputation of the Bidder;History of transactions with the Bidder,Availability of personal services, and

A single bid shall be submitted

Further specifications for the bid are available from the Hazard Independent Schools Board of Education, 705 Main Street, Hazard, Kentucky, during regular business hours To be entitled to consideration, the proposal must be fully completed in accordance with the bid specification and must be submitted no later than June 16, 2025 at 10:00 pm Bids will be publicly opened on the day of June 16th, 2025 at the hour of 10:00 pm The Board of Education reserves the right to waive technicalities or irregularities, to reject any or all Bids and to accept that Bid which is in the best interest of the Board of Education.

REQUEST FOR SEALED BIDS FOR HAZARD HOUSING AUTHORITY (HAH) BID #HAH-25-002

ADVERTISEMENT FOR BIDS

for the project Miscellaneous Repairs and Improvements of 2 Vacant Apartments

The Hazard Housing Authority (HAH) administers two hundred and sixty-nine (269) units of housing, these units are at five different locations, all within the City of Hazard. The HAH will receive sealed bids for Vacant Apartment Repairs and Improvements on two units, until 10:00 AM, on Tuesday, June 24, 2025 at its office, 100 Campbell St., Hazard, KY. Any bid received after the announced closing time will be returned unopened.

All proposals must be submitted in an envelope bearing the Bidders name, address and must be addressed as follows:

Hazard Housing Authority Attn: BID #HAH-25-002 100 Campbell Street, Room A Hazard, Kentucky 41701

Bids must be submitted on the forms furnished with the Bidding Documents.

Bids shall be accepted from Contractors who are of Home Improvement or the classification of Residential Building Contractor.

No more than 10 calendar days after the bid opening, the apparent low Bidder shall be required to furnish other documents as described in the Bidding Documents.

Bidding Documents are available at no charge in digital PDF format.

To the extent permitted by applicable state and federal laws and regulations, The Hazard Housing Authority reserves the right to reject any and/or all bids for just cause.

Rebecca Patterson, Executive Director Beckyp@hahazard.com 606-436-5741

REQUEST FOR SEALED BIDS FOR HAZARD HOUSING AUTHORITY (HAH) BID #HAH-25-003

ADVERTISEMENT FOR BIDS

for the project: Complete Renovation of Building with 4 apartments

The Hazard Housing Authority (HAH) administers two hundred and sixty-nine (269) units of housing, these units are at five different locations, all within the City of Hazard. The HAH will receive sealed bids for complete renovation of a building with 4 apartments in it. This will include all plumbing and electrical overhaul and deck replacement all to be in compliance with State and Federal Law. Building will need to be move in ready. Bids will be accepted on building, until 10:00 AM, on Tuesday, June 24, 2025 at its office, 100 Campbell St., Hazard, KY. Any bid received after the announced closing time will be returned unopened.

All proposals must be submitted in an envelope bearing the Bidders name, address and must be addressed as follows:

Hazard Housing Authority Attn: BID #HAH-25-003 100 Campbell Street, Room A Hazard, Kentucky 41701

Bids must be submitted on the forms furnished with the Bidding Documents.

Bids shall be accepted from Contractors who are of Home Improvement or the classification of Residential Building Contractor

No more than 10 calendar days after the bid opening, the apparent low Bidder shall be required to furnish other documents as described in the Bidding Documents.

Bidding Documents are available at no charge in digital PDF format.

To the extent permitted by applicable state and federal laws and regulations, The Hazard Housing Authority reserves the right to reject any and/or all bids for just cause

Rebecca Patterson, Executive Director Beckyp@hahazard.com 606-436-5741

Notice of Public Review and Meeting

The Housing Authority of Hazards Five-Year/Annual Plan will be available for public review at the office of the Housing Authority of Hazard, 100 Campbell Street beginning June 10, 2025 These documents will be available for 45 days, Monday-Friday 8:00 A.M till 4:00 P.M. for your review and comments

We will then conduct a public meeting to discuss the plan. This meeting will be held at 9:00A.M on July 14, 2025 at Perkins Tower. All interested residents and members of the community are encouraged to attend the meeting and provide us with any comments and suggestions.

NOTICE

VB BTS III, LLC d/b/a Vertical Bridge and New Cingular Wireless PCS, LLC, a Delaware limited liability company, which markets its services under AT&T branding, are filing an application with the Kentucky Public Service Commission (PSC) to construct a new wireless communications facility on a site located on 284 Hill Drive, Chavies, KY 41727 (37° 20' 43.65" North latitude, 83° 21' 25.79" West longitude) 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 2025-00180 in any correspondence sent in connection with this matter.

REQUEST FOR PROPOSALS FOR HAZARD HOUSING AUTHORITY (HAH) RFP #HAH-25-001

ADVERTISEMENT FOR BIDS

for the project: Miscellaneous Repairs and Improvements of Vacant Apartments

The Hazard Housing Authority (HAH) administers two hundred and sixty-nine (269) units of housing, these units are at five different locations all within the City of Hazard. The HAH will receive request for proposals for Vacant Apartment Repairs and Improvements until 10:00 AM, on Tuesday, June 17, 2025 at its office, 100 Campbell St., Hazard, KY. Any bid received after the announced closing time will be returned unopened.

All proposals must be submitted in a envelope bearing the Bidders name, address and must be addressed as follows:

Hazard Housing Authority Attn: RFP #HAH-25-001 100 Campbell Street, Room A Hazard, Kentucky 41701

Bids must be submitted on the forms furnished with the Bidding Documents.

Bids shall be accepted from Contractors who are of Home Improvement or the classification of Residential Building Contractor

No more than 10 calendar days after the bid opening, the apparent low Bidder shall be required to furnish other documents as described in the Bidding Documents.

Bidding Documents are available at no charge in digital PDF format

To the extent permitted by applicable state and federal laws and regulations, The Hazard Housing Authority reserves the right to reject any and/or all bids for just cause.

Rebecca Patterson, Executive Director Beckyp@hahazard.com 606-436-5741

ADVERTISEMENT TO BID

THE PERRY COUNTY FISCAL COURT, 606 439-1816, IS NOW ACCEPTING BIDS FOR THE FOLLOWING:

SEEKING AN EXPERIENCED TAX PROFESSIONAL TO ASSIST THE PERRY COUNTY OCCUPATIONAL AND LICENSE TAX OFFICE AND PERRY COUNTY ABC OFFICE DUTIES WILL BE ASSISTING WITH TAXPAYER COMPLIANCE ON A CONTRACT BASIS

ANY INTERESTED PARTY MAY OBTAIN A COPY OF THE CONTRACT/BID SPECIFICATIONS AT THE PERRY COUNTY OCCUPATIONAL LICENSE OFFICE OR MAY REQUEST SUCH DOCUMENTS BY PHONE 606 436-0803 OR MAIL SAID BID DOCUMENTS WILL BE FORWARDED TO THE PERSPECTIVE BIDDERS

A SUCCESSFUL BIDDER MUST OBTAIN A WRITTEN PURCHASE ORDER FROM COUNTY SUPERVISOR BEFORE INVOICING MATERIAL.

ALL INVOICES FOR WORK OF A SUCCESSFUL BIDDER MUST SPECIFY AT MINIMUM DATE AND DOLLAR AMOUNT CHARGED FOR EACH SITE LISTED ON THE INVOICE. FURTHER INVOICE REQUIREMENTS MAY BE SPECIFIED AT ANY TIME BY THE PERRY COUNTY JUDGE/EXECUTIVE.

FAILURE TO COMPLY WITH ANY BID REQUIREMENT, PRE-OR POST BID, IS GROUNDS FOR TERMINATION OF THE BID AWARD

ALL BID AWARDS ARE FOR FISCAL YEAR 2025/2026 with the option for renewal

PERRY COUNTY FISCAL COURT IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER. SMALL DISADVANTAGED BUSINESS ENTERPRISES, INCLUDING MINORITY OWNED, WOMEN-OWNED, AND VETERAN-OWNED ARE ENCOURAGED TO BID. FOR HEARING IMPAIRED, YOU MAY CALL THE STATE RELAY NUMBER 711 OR TTY: 1-800-648-6056; VOICE: 1-800-648-6057; SPEECH TO SPEECH: 1-888-344-6111; SPANISH TO SPANISH: 1-866-490-4403. THE CONTRACTOR/SUBCONTRACTOR WILL COMPLY WITH 41CFR 60-4. IN REGARD TO AFFIRMATIVE ACTION, TO ENSURE EQUAL OPPORTUNITY TO FEMALES AND MINORITIES AND VETERAN-OWNED BUSINESS, AND WILL APPLY THE TIMETABLE AND GOAL SET FORTH IN 41CFR 60-4 IF APPLICABLE TO THE AREA OF THE PROJECT.

BIDDERS MUST COMPLY WITH TITLE VI OF THE CIVIL RIGHTS ACT OF 1954. THE ANTI-KICKBACK ACT, CONTRACT WORK HOURS' STANDARD ACT, AND 40CFR 31.36 L (3,4&6), 2012 BY: PRESIDENT EXECUTIVE ORDER NO. 11246 AS AMENDED, WHICH PROHIBITS DISCRIMINATION REGARDING RACE, CREED, COLOR, SEX, OR NATIONAL ORIGIN.

THE PERRY COUNTY FISCAL COURT RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.

BIDS MAY BE MAILED OR DELIVERED TO THE COUNTY JUDGE-EXECUTIVE, PERRY COUNTY COURTHOUSE, 481 MAIN ST. PO DRAWER 210, HAZARD, KY 41702. BIDS MUST REACH THE OFFICE BY 8:30 A.M., THURSDAY, JUNE 26TH, 2025. BIDS MUST BE IN SEALED ENVELOPES AND MARKED "BID TO BE OPENED AT 10:00 A.M., JUNE 26TH, 2025." PLEASE SPECIFY THE BID ITEM OR ITEMS ON THE OUTSIDE OF THE ENVELOPE.

SCOTT ALEXANDER, PERRY COUNTY JUDGE/EXECUTIVE

ADVERTISEMENT TO BID

THE PERRY COUNTY FISCAL COURT, 606 439-1816, IS NOW ACCEPTING BIDS FOR THE FOLLOWING:

HOURLY RATES FOR LABOR ONLY

HOURLY RATES FOR MOWER, FUEL, AND OPERATOR
THE PRICES SHOULD INCLUDE HOURLY RATES FOR EACH TYPE OF MOWER AND LIST THE SIZE OF THE DECK, AND ALSO INCLUDE OPERATOR AND FUEL COST

HOURLY RATES FOR WEED EATER, FUEL, AND OPERATOR
THE PRICES SHOULD INCLUDE HOURLY RATES FOR EACH TYPE OF WEED EATER AND ALSO INCLUDE OPERATOR AND FUEL COST

ALL MATERIALS, EQUIPMENT, AND LABOR MUST MEET SPECIFICATIONS OF THE KENTUCKY TRANSPORTATION CABINET, FEMA, USDA, OR OTHER FUNDING AGENCIES

PROSPECTIVE BIDDERS MUST PRODUCE PROOF OF LIABILITY AND WORKERS' COMPENSATION INSURANCE COVERAGE

ALL PROSPECTIVE BIDDERS MUST DEMONSTRATE ELIGIBILITY FOR FEDERAL OR STATE FUNDING OF ANY PROJECTS UNDERTAKEN, (NO FEDERAL DEPARTMENT AND PREQUALIFIED CONTRACTOR BY THE STATE OF KENTUCKY)

A SUCCESSFUL BIDDER MUST OBTAIN A WRITTEN PURCHASE ORDER FROM THE COUNTY SUPERVISOR BEFORE COMMENCING ANY WORK.

ALL INVOICES FOR WORK OF A SUCCESSFUL BIDDER MUST SPECIFY AT MINIMUM: THE SITE LOCATION, DATE, AND DOLLAR AMOUNT CHARGED FOR EACH SITE LISTED ON THE INVOICE. FURTHER INVOICE REQUIREMENTS MAY BE SPECIFIED AT ANY TIME BY THE PERRY COUNTY JUDGE/EXECUTIVE.

FAILURE TO COMPLY WITH ANY BID REQUIREMENTS PRE-OR POST-BID IS GROUNDS FOR TERMINATION OF THE BID AWARD

ALL BID AWARDS ARE FOR THE 2025/2026 FISCAL YEAR with the option for renewal

PERRY COUNTY FISCAL COURT IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER. SMALL DISADVANTAGED BUSINESS ENTERPRISES, INCLUDING MINORITY OWNED, WOMEN-OWNED, AND VETERAN-OWNED, ARE ENCOURAGED TO BID FOR HEARING IMPAIRED. YOU MAY CALL THE STATE RELAY NUMBER 711 OR TTY 1-800-648-6056; VOICE 1-800-648-6057; SPEECH TO SPEECH, 1-888-344-6111, SPANISH TO SPANISH; 1-866-490-4403. THE CONTRACTOR/SUBCONTRACTOR WILL COMPLY WITH 41CFR60-4. IN REGARD TO AFFIRMATIVE ACTION, TO ENSURE EQUAL OPPORTUNITY TO FEMALES AND MINORITIES, AND VETERAN-OWNED BUSINESS, AND WILL APPLY THE TIMETABLE AND GOAL SET FORTH IN 41CFR60-4 IF APPLICABLE TO THE AREA OF THE PROJECT

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THE PERRY COUNTY FISCAL COURT RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.

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SCOTT ALEXANDER, PERRY COUNTY JUDGE/EXECUTIVE

ADVERTISEMENT TO BID

The Perry County Fiscal Court, phone number (606) 439-1816, is now accepting sealed bids for the following:

Bit Conc. Asphalt Base Per Ton
Bit Conc, Asphalt Binder Per Ton
Bit Conc. Big Stone base Per Ton
Bit Conc. Asphalt Surface Per Ton

Bids should include both a pick-up and delivery price per ton. All materials, equipment, and labor are to meet specifications required by the Kentucky Department of Transportation.

This bid is for Fiscal Year 2025-2026 with an option for renewal.

PERRY COUNTY FISCAL COURT IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER. SMALL DISADVANTAGED BUSINESS ENTERPRISES INCLUDING MINORITY OWNED, WOMEN-OWNED, AND VETERAN-OWNED, ARE ENCOURAGED TO BID, FOR HEARING IMPAIRED, YOU MAY CALL THE STATE RELAY NUMBER 711 OR TTY: 1-800-648-6056; VOICE: 1-800-648-6057; SPEECH TO SPEECH: 1-888-344-6111; SPANISH TO SPANISH: 1-866-490-4403. THE CONTRACTOR/SUBCONTRACTOR WILL COMPLY WITH 41CFR 60-4. IN REGARD TO AFFIRMATIVE ACTION, TO ENSURE EQUAL OPPORTUNITY TO FEMALES AND MINORITIES AND VETERAN-OWNED BUSINESS, AND WILL APPLY THE TIME TABLE AND GOAL SET FORTH IN 41CFR 60-4 IF APPLICABLE TO THE AREA OF THE PROJECT.

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Scott Alexander
Perry County Judge Executive

ADVERTISEMENT TO BID

THE PERRY COUNTY FISCAL COURT, 606 439-1816, IS NOW ACCEPTING BIDS FOR THE FOLLOWING:

(1) CLEANING AND JANITORIAL SUPPLIES TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING ITEMS: 19OZ LYSOL SPRAY, WINDEX, LYSOL TOILET BOWL CLEANER, 409 CLEANER, DIAL HAND SOAP, DAWN DISHWASHING LIQUID, 12-16 GALLON TRASH BAGS, 50-60 GALLON TRASH BAGS, HAND SANITIZER, PLEDGE, FEBREEZE AIR FRESHENER, TOILETRIES, PAPER TOWELS & ROLLS, FLOOR CLEANING & WAXING MATERIALS, CLOROX WIPES

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SCOTT ALEXANDER
PERRY COUNTY JUDGE/EXECUTIVE

LEGALS

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NOTICE

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REQUEST FOR PROPOSALS FOR HAZARD HOUSING AUTHORITY (HAH) RFP #HAH-25-001

ADVERTISEMENT FOR BIDS

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The Hazard Herald

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jjones@hazard-herald.com

AFFIDAVIT

I, Barb A. Skeens, of the Hazard Herald newspaper, published at Hazard, Kentucky, and having the largest circulation of any newspaper in Perry County, Kentucky do hereby certify that the Advertisement of Construct Windows Communications Cranks Ky

Was published on the following dates:

Date: 6-12-2025 Page: 6B Column: 5 & 6

Date: _____ Page: _____ Column: _____

Date: _____ Page: _____ Column: _____

Date: _____ Page: _____ Column: _____

Signature: Barbara Skeens

Subscribed and Sworn To Before Me by Barbara A. Skeens

This 12 Day of June, 2025

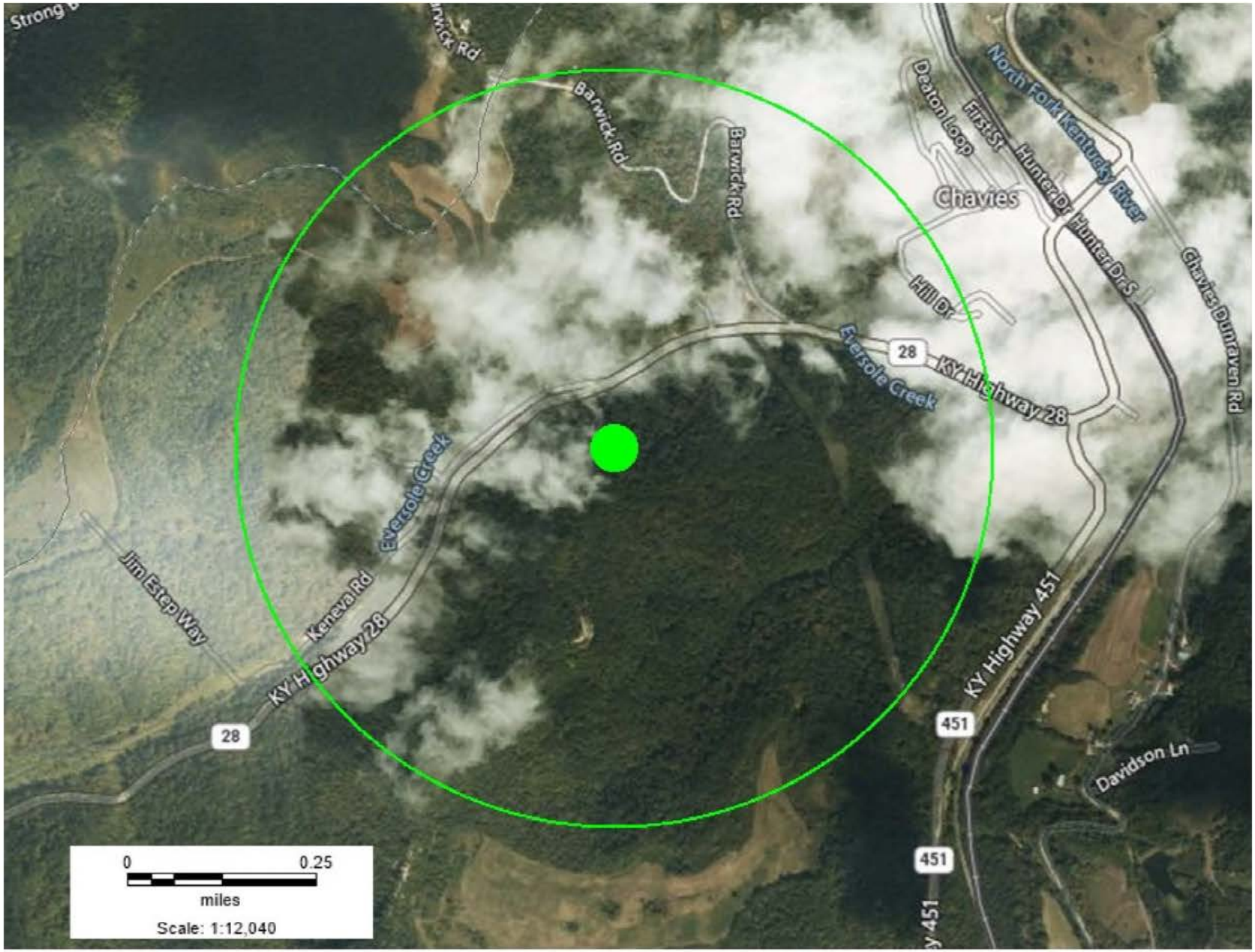
Notary Public

Virginia L Jones

My Commission Expires the 25th Day of October, 2025
Kentucky, State at Large
Commission Number KYNP37556

VIRGINIA LEAH JONES
NOTARY PUBLIC
STATE AT LARGE
KENTUCKY
COMMISSION # KYNP37556
MY COMMISSION EXPIRES OCTOBER 25 2025

EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



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