

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

In the Matter of:

THE APPLICATION OF	)	
APC TOWERS IV, LLC,	)	
A DELAWARE LIMITED LIABILITY COMPANY AND	)	
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS	)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC	)	CASE NO.: 2026-00166
CONVENIENCE AND NECESSITY TO CONSTRUCT	)	
A WIRELESS COMMUNICATIONS FACILITY	)	
IN THE COMMONWEALTH OF KENTUCKY	)	
IN THE COUNTY OF TAYLOR	)	

SITE NAME: CK ACTON

* * * * *

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

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

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

1. The complete name and address of the Applicants are: APC Towers IV, LLC,

a Delaware limited liability company, having an address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 and Cellco Partnership d/b/a Verizon Wireless having an address of 2421 Holloway Road, Louisville, Kentucky 40299.

2. Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicants submit this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

3. APC Towers IV, LLC is a limited liability company organized in the State of Delaware on March 3, 2022. APC Towers IV, LLC's Certificate of Good Standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. APC Towers IV, LLC is in good standing in the state in which it is organized and further states that it is authorized to transact business in Kentucky, and a copy of the Certificate of Authorization issued by the Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

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

5. Cellco Partnership d/b/a Verizon Wireless operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC

requirements. A copy of Celco Partnership d/b/a Verizon Wireless' FCC applications and licenses to provide wireless services are attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

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

7. To address the above-described service needs, Applicants propose to construct a WCF in a lease area located at 417 Wooleyville Road, Campbellsville, KY 42718 (37° 21' 09.59" North latitude, 85° 14' 58.71" West longitude) on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Trista Corbin Moss and Thomas Blake Corbin, pursuant to a deed recorded in Book 356, Page 443 in the office of the County Clerk. The proposed WCF will consist of a 245-foot-tall guyed tower, with an approximately 5-foot-tall lightning arrestor attached at the top, for a total height of 250 feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement

of radio electronics equipment and appurtenant equipment. The equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**.

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

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

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

11. Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate antennas on an existing structure. When suitable towers or structures exist, Verizon Wireless attempts to co-locate on existing structures such as communications towers or other structures capable of supporting carrier's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

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

13. Documentation confirming that the Kentucky Airport Zoning Commission ("KAZC") has reviewed and approved the proposed construction is attached as **Exhibit F**.

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

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

16. APC Towers IV, LLC, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit I**.

17. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit C** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations.

18. The construction manager for the proposed facility is Matt Bates and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits B & C**.

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

20. **Exhibit B** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

21. Applicants have sent notice to every person who, according to the records of the County Property Valuation Administrator ("PVA"), owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

22. Copies of the Taylor County PVA records obtained on June 17, 2026 (and re-verified on July 2, 2026) and used to generate the notice list are attached as part of **Exhibit J**.

23. Seven notice letters were sent to the landowners on the notice list at the mailing addresses shown on the 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. To date, six signed United States Postal Service Form 3811 “green cards” have been returned. Copies of the returned “green cards” are attached as a part of **Exhibit J**. According to United States Postal Service (“USPS”) tracking data, one letter has a status of “Delivered, Left with Individual”. A copy of the USPS tracking data for this notice is attached as part of **Exhibit J**. There are no unaccountable notices.

25. Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. A copy of this notice is attached as **Exhibit L**. A copy of the “Certified Mail Receipt” and a copy of the USPS Form 3811 “green card” for this mailing are also attached as a part of **Exhibit L**.

26. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as **Exhibit M**. A legal notice advertisement regarding the location of the proposed facility has been published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A tear sheet from the newspaper that includes the notice

advertisement is attached as part of **Exhibit M**.

27. The general area where the proposed facility will be located is predominantly rural in character and consists primarily of heavily wooded areas and sparse residential uses. The tower is placed near the center of the parcel and is well screened from nearby parcels and uses. The site parcel itself is rural with significant wooded areas providing substantial natural screening.

28. The process that was used by Verizon Wireless' radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. Verizon Wireless' radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by Verizon Wireless' Radio Frequency Engineers. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit N**.

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

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

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

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

WHEREFORE, Applicants respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS §§ 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,



David A. Pike
And



F. Keith Brown

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

LIST OF EXHIBITS

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

EXHIBIT A

**BUSINESS DOCUMENTATION & FCC LICENSE
DOCUMENTATION**

Delaware

The First State

Page 1

*I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF FORMATION OF "APC TOWERS IV, LLC",
FILED IN THIS OFFICE ON THE THIRD DAY OF MARCH, A.D. 2022, AT
10:15 O`CLOCK A.M.*




Jeffrey W. Bullock, Secretary of State

6650861 8100
SR# 20240209212

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

Authentication: 202646764
Date: 01-23-24

CERTIFICATE OF FORMATION

OF

APC TOWERS IV, LLC

This Certificate of Formation of APC Towers IV, LLC has been duly executed and is being filed by the undersigned authorized person for the purpose of forming a limited liability company pursuant to the Delaware Limited Liability Company Act, (6 Del. C. §§18-101, et seq.)

1. Name. The name of the limited liability company formed hereby (the "Company") is APC Towers IV, LLC.

2. Registered Office. The address of the registered office of the Company in the State of Delaware is: Corporation Trust Center, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.

3. Registered Agent. The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.

4. Bankruptcy of a Member. For a period of sixty (60) days following the date on which the Company becomes aware that a bankruptcy petition has been filed by or against any member of the Company, the Company shall have the option to purchase all of such member's interests in the Company, exercisable by delivering written notice of its exercise of such option to such member and, if applicable, to the bankruptcy trustee and, provided that within sixty (60) days after its exercise of such option the Company pays to such member or trustee, as applicable, an amount equal to the capital account balance attributable to such member's interests in the Company (calculated pursuant to the Limited Liability Company Agreement of the Company), such member's interests in the Company automatically shall transfer to and vest in the Company without any further action by the Company and without any action by such member or trustee.

IN WITNESS WHEREOF, the undersigned authorized person has caused this Certificate of Formation to be duly executed as of the 3rd day of March, 2022.

/S/ GARRETT D. EVERS

Garrett D. Evers
Authorized Person

Delaware

The First State

Page 1

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "APC TOWERS IV, 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 FIFTH DAY OF MAY, A.D. 2025.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "APC TOWERS IV, LLC" WAS FORMED ON THE THIRD DAY OF MARCH, A.D. 2022.

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



6650861 8300

SR# 20251979186

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

A handwritten signature in black ink, reading "C. P. Sanchez", is written over a horizontal line.

Charuni Patibanda-Sanchez, Secretary of State

Authentication: 203603171

Date: 05-05-25

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>

Authentication number: 309767

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

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

APC TOWERS IV, 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 February 22, 2023.

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 22nd day of April, 2024, in the 232nd year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
309767/1262373

Delaware

The First State

Page 1

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

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



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

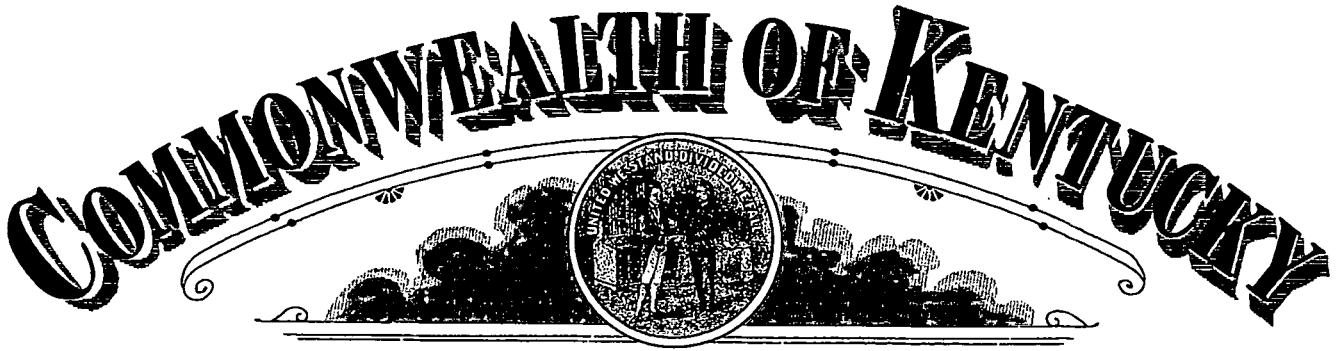
3341134 8300

SR# 20231665976

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

Authentication: 203227418

Date: 04-27-23



Michael G. Adams
Secretary of State

Certificate

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

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

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



Michael G. Adams

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

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



0641227.07

Dcornish
C226

Trey Grayson
Secretary of State
Received and Filed

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

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

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

- | | |
|--|---|
| ☐ a Domestic General Partnership | ☒ a Foreign General Partnership |
| ☐ a Domestic Registered Limited Liability Partnership | ☐ a Foreign Registered Limited Liability Partnership |
| ☐ a Domestic Limited Partnership | ☐ a Foreign Limited Partnership |
| ☐ a Domestic Business Trust | ☐ a Foreign Business Trust |
| ☐ a Domestic Corporation | ☐ a Foreign Corporation |
| ☐ a Domestic Limited Liability Company | ☐ a Foreign Limited Liability Company |
| ☐ a Joint Venture | |

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

One Verizon Way Basking Ridge NJ 07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by

NYNEX PCS Inc.

Jane A. Schapker-Assistant Secretary

Print or type name and title

June 15, 2006

Date

Signature

Print or type name and title

Date

Addendum

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

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

REFERENCE COPY

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



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign KNKN795	File Number 0009134679
Radio Service CL - Cellular	
Market Numer CMA446	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 4 - Spencer				
Grant Date 09-01-2020	Effective Date 01-13-2021	Expiration Date 10-01-2030	Five Yr Build-Out Date	Print Date 09-01-2020

Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	37-50-16.0 N	085-56-28.0 W	224.3	80.8	1043049

Address: 0.3 KM SW OF US-31 & CENTRAL PARKWAY
City: RADCLIFF **County:** HARDIN **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.900	108.700	115.600	53.800	51.900	74.500	68.800	97.200
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.900	108.700	115.600	53.800	51.900	74.500	68.800	97.200
Transmitting ERP (watts)	0.690	16.910	90.270	116.960	30.240	2.840	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.900	108.700	115.600	53.800	51.900	74.500	68.800	97.200
Transmitting ERP (watts)	1.070	0.260	0.340	2.530	33.930	116.960	90.270	14.390

Conditions:

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	37-50-37.0 N	085-27-20.0 W	231.6	88.4	1043050

Address: 2.3 KM NORTH NORTHEAST OF

City: BARDSTOWN County: NELSON 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
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Antenna Height AAT (meters)	98.400	90.900	73.400	84.100	101.900	133.400	94.300	98.400
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Transmitting ERP (watts)	104.850	19.980	1.660	0.300	0.350	1.660	27.580	112.350
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Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
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Antenna Height AAT (meters)	98.400	90.900	73.400	84.100	101.900	133.400	94.300	98.400
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Transmitting ERP (watts)	5.500	51.350	131.990	70.890	9.340	0.550	0.300	0.330
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Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
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Antenna Height AAT (meters)	98.400	90.900	73.400	84.100	101.900	133.400	94.300	98.400
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Transmitting ERP (watts)	0.300	0.340	0.710	17.400	93.440	120.380	32.400	3.090
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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	37-32-17.8 N	085-43-44.5 W	238.4	108.2	1251911

Address: 3.2 km south of

City: HODGENVILLE County: LARUE 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
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Antenna Height AAT (meters)	97.200	133.300	125.000	81.400	97.300	98.200	119.900	114.300
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Transmitting ERP (watts)	77.720	37.630	4.790	0.280	0.240	0.240	4.270	35.940
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Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
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Antenna Height AAT (meters)	97.200	133.300	125.000	81.400	97.300	98.200	119.900	114.300
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Transmitting ERP (watts)	0.890	13.410	73.040	92.590	28.480	2.750	0.230	0.350
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Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
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Antenna Height AAT (meters)	97.200	133.300	125.000	81.400	97.300	98.200	119.900	114.300
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Transmitting ERP (watts)	0.930	0.230	0.270	2.470	27.010	93.450	73.040	14.840
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Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	38-01-51.0 N	084-56-25.0 W	250.2	91.1	1043051

Address: 1520 GLENSBURO ROAD

City: LAWRENCEBURG County: ANDERSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.800	106.600	109.200	103.100	87.600	99.200	101.700	87.600
Transmitting ERP (watts)	6.320	39.950	96.330	90.640	29.610	4.320	0.310	1.680

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.800	106.600	109.200	103.100	87.600	99.200	101.700	87.600
Transmitting ERP (watts)	1.520	0.270	1.720	14.250	71.470	128.360	93.210	17.180

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.800	106.600	109.200	103.100	87.600	99.200	101.700	87.600
Transmitting ERP (watts)	99.580	48.660	9.500	0.820	0.630	5.810	24.910	80.200

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	37-47-02.0 N	084-54-24.0 W	273.1	86.9	1043052

Address: 1714 CORNISHVILLE ROAD

City: HARRODSBURG County: MERCER 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)	99.900	97.100	83.300	87.100	83.500	97.400	113.000	114.500
Transmitting ERP (watts)	178.880	95.250	9.980	0.410	0.380	1.840	19.100	117.180

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.900	97.100	83.300	87.100	83.500	97.400	113.000	114.500
Transmitting ERP (watts)	3.790	39.470	153.130	170.750	54.270	3.360	0.380	0.510

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)	99.900	97.100	83.300	87.100	83.500	97.400	113.000	114.500
Transmitting ERP (watts)	1.510	0.380	1.080	8.720	72.000	178.800	138.380	25.250

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	37-42-07.0 N	085-48-55.0 W	268.2	143.3	1043053

Address: 3.2 KM EAST OF

City: ELIZABETHTOWN County: HARDIN 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)	119.400	154.200	147.200	92.300	113.000	125.700	112.300	98.700
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	154.200	147.200	92.300	113.000	125.700	112.300	98.700
Transmitting ERP (watts)	0.690	16.910	90.270	116.960	30.240	2.840	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	154.200	147.200	92.300	113.000	125.700	112.300	98.700
Transmitting ERP (watts)	1.140	0.260	0.360	2.630	28.390	78.020	63.150	13.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	38-02-06.0 N	085-20-08.0 W	217.6	60.7	1043054

Address: Snyder Bluff Ridge; 0.3 KM N OF SR-44

City: Taylorsville County: SPENCER 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)	49.800	59.300	58.700	65.300	55.600	72.400	90.700	56.400
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

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)	49.800	59.300	58.700	65.300	55.600	72.400	90.700	56.400
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	49.800	59.300	58.700	65.300	55.600	72.400	90.700	56.400
Transmitting ERP (watts)	12.510	0.830	0.300	0.380	4.210	45.850	137.670	88.060

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-31-58.0 N	085-18-59.0 W	319.1	103.6	1043055

Address: 5.6 KILOMETERS SOUTHWEST OF

City: LEBANON County: MARION 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)	180.400	155.400	157.600	170.300	150.100	166.500	207.500	199.300
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	180.400	155.400	157.600	170.300	150.100	166.500	207.500	199.300
Transmitting ERP (watts)	0.260	0.340	7.510	59.300	128.990	56.630	6.540	0.320

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	180.400	155.400	157.600	170.300	150.100	166.500	207.500	199.300
Transmitting ERP (watts)	30.240	2.840	0.260	0.330	0.690	16.910	90.270	116.960

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-52-10.0 N	085-09-29.0 W	253.0	60.6	

Address: 3.2 KM WEST OF

City: TATUM SPRINGS County: WASHINGTON 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)	79.900	60.800	72.400	64.400	69.900	83.600	82.800	92.400
Transmitting ERP (watts)	178.970	457.380	236.800	30.680	1.780	0.940	1.170	19.290

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)	79.900	60.800	72.400	64.400	69.900	83.600	82.800	92.400
Transmitting ERP (watts)	1.030	1.590	42.760	263.680	399.100	126.210	13.220	0.940

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)	79.900	60.800	72.400	64.400	69.900	83.600	82.800	92.400
Transmitting ERP (watts)	63.250	5.260	0.940	1.100	5.260	87.310	355.700	331.960

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	37-23-00.0 N	085-25-42.0 W	257.5	128.0	1043056

Address: 0.8 KM SW OF SR-210; 8.0 KM WNW OF

City: CAMPBELLSVILLE County: TAYLOR 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)	104.400	85.900	88.600	123.900	142.400	154.600	118.100	99.000
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	85.900	88.600	123.900	142.400	154.600	118.100	99.000
Transmitting ERP (watts)	0.690	11.080	29.450	33.430	17.360	2.910	0.260	0.320

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	85.900	88.600	123.900	142.400	154.600	118.100	99.000
Transmitting ERP (watts)	1.130	0.260	0.370	2.600	30.680	93.270	73.680	13.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-41-32.0 N	085-13-23.0 W	250.0	39.6	

Address: 0.8 KM East of US-150/SR-55

City: SPRINGFIELD County: WASHINGTON 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)	66.400	51.400	35.800	32.500	29.900	56.600	64.400	87.000
Transmitting ERP (watts)	138.150	235.860	173.640	32.610	3.200	0.490	3.990	29.590

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.400	51.400	35.800	32.500	29.900	56.600	64.400	87.000
Transmitting ERP (watts)	1.190	10.120	52.670	201.260	240.690	112.010	17.460	1.380

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.400	51.400	35.800	32.500	29.900	56.600	64.400	87.000
Transmitting ERP (watts)	64.400	7.560	0.570	2.970	12.580	90.770	239.970	223.900

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-19-34.2 N	085-19-52.8 W	273.7	51.5	1214265

Address: Campbellsville Downtown, 402 Smith Ridge Road

City: Campbellsville County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	56.310	24.160	1.150	0.340	0.340	0.340	1.680	23.720

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	5.680	91.680	147.320	19.330	0.760	0.340	0.340

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.900	44.000	67.600	79.700	107.000	96.900	102.200	78.400
Transmitting ERP (watts)	0.340	0.340	0.340	0.340	15.150	141.430	87.210	5.760

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-39-32.5 N	085-37-56.7 W	253.9	77.7	1239887

Address: 2760 Cissal Hill Road

City: NEW HAVEN County: LARUE 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)	170.400	154.400	144.000	129.500	88.800	74.200	65.100	107.400
Transmitting ERP (watts)	124.610	82.100	13.580	1.250	0.280	2.730	18.240	82.650

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)	170.400	154.400	144.000	129.500	88.800	74.200	65.100	107.400
Transmitting ERP (watts)	5.460	32.920	114.480	130.660	49.070	6.770	0.450	0.620

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	170.400	154.400	144.000	129.500	88.800	74.200	65.100	107.400
Transmitting ERP (watts)	2.950	0.270	1.500	8.200	53.810	130.660	112.910	27.380

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	37-48-57.0 N	085-46-49.0 W	235.0	126.5	1015251

Address: Colesburg, 3.22 KM WSW OF

City: LEBANON JUNCTION County: HARDIN 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)	146.300	139.600	153.000	176.500	89.800	60.800	96.200	125.700
Transmitting ERP (watts)	3.870	36.570	196.310	280.850	117.860	10.070	0.610	0.610

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)	146.300	139.600	153.000	176.500	89.800	60.800	96.200	125.700
Transmitting ERP (watts)	2.460	0.610	1.750	14.200	117.530	291.040	225.240	41.100

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-26-54.0 N	085-52-48.0 W	249.9	128.0	1060580

Address: One mile (1.6 km) NNW of

City: UPTON County: LARUE 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)	119.400	107.000	91.200	106.700	108.300	113.300	138.300	124.200
Transmitting ERP (watts)	124.610	46.300	5.190	0.280	0.290	0.370	9.670	66.920

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-26-54.0 N	085-52-48.0 W	249.9	128.0	1060580

Address: One mile (1.6 km) NNW of

City: UPTON County: LARUE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.400	107.000	91.200	106.700	108.300	113.300	138.300	124.200
Transmitting ERP (watts)	0.280	0.310	5.190	48.480	124.610	66.920	8.820	0.520

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)	119.400	107.000	91.200	106.700	108.300	113.300	138.300	124.200
Transmitting ERP (watts)	1.320	0.260	0.260	0.260	0.660	33.930	123.180	32.400

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-44-48.0 N	085-53-19.3 W	275.5	89.9	1287239

Address: Elizabethtown North, near 208 Pear Orchard Road NW

City: ELIZABETHTOWN County: HARDIN 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)	152.100	156.700	133.600	115.300	142.700	128.700	119.200	136.400
Transmitting ERP (watts)	15.600	78.150	83.650	18.730	1.680	0.230	0.230	0.890

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)	152.100	156.700	133.600	115.300	142.700	128.700	119.200	136.400
Transmitting ERP (watts)	0.230	0.230	3.850	37.520	101.630	51.090	7.090	0.270

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.100	156.700	133.600	115.300	142.700	128.700	119.200	136.400
Transmitting ERP (watts)	35.830	4.120	0.230	0.230	0.230	7.060	53.010	99.780

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-52-58.8 N	085-56-33.1 W	213.4	35.1	

Address: Wilson Road

City: Fort Knox County: HARDIN 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)	54.200	65.500	70.000	29.900	29.900	29.900	33.200	65.800
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-52-58.8 N	085-56-33.1 W	213.4	35.1	

Address: Wilson Road

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

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.200	65.500	70.000	29.900	29.900	29.900	33.200	65.800
Transmitting ERP (watts)	0.300	0.380	1.830	30.180	122.250	111.260	20.840	1.700

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)	54.200	65.500	70.000	29.900	29.900	29.900	33.200	65.800
Transmitting ERP (watts)	30.680	3.270	0.300	0.400	0.820	17.990	82.670	104.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	37-36-04.0 N	085-52-00.0 W	234.4	65.5	1057215

Address: GLENDALE CELL SITE, 6667 SOUTH DIXIE HWY.

City: ELIZABETHTOWN County: HARDIN 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)	52.500	34.700	50.500	66.200	54.100	71.900	71.800	64.000
Transmitting ERP (watts)	105.650	71.160	11.410	0.820	0.330	0.330	3.120	35.390

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.500	34.700	50.500	66.200	54.100	71.900	71.800	64.000
Transmitting ERP (watts)	0.330	0.420	4.720	51.450	154.470	98.800	14.040	0.930

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)	52.500	34.700	50.500	66.200	54.100	71.900	71.800	64.000
Transmitting ERP (watts)	10.870	0.630	0.330	0.410	6.840	63.420	162.090	83.920

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-39-26.3 N	085-56-34.7 W	220.1	72.5	1247548

Address: 1036 East Main Street

City: Cecilia County: HARDIN 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)	36.100	44.200	42.900	64.500	71.800	69.500	54.300	44.500
Transmitting ERP (watts)	57.760	95.330	41.480	5.760	0.300	0.330	0.460	10.830

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-39-26.3 N	085-56-34.7 W	220.1	72.5	1247548

Address: 1036 East Main Street

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	36.100	44.200	42.900	64.500	71.800	69.500	54.300	44.500
Transmitting ERP (watts)	0.370	0.570	14.180	74.450	109.410	37.870	4.380	0.300

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	36.100	44.200	42.900	64.500	71.800	69.500	54.300	44.500
Transmitting ERP (watts)	16.150	1.200	0.300	0.390	2.840	38.070	131.240	101.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-58-13.6 N	085-29-07.4 W	207.9	129.5	1204265

Address: 11920 Louisville Road

City: Cox Creek County: NELSON 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)	89.900	82.300	58.800	54.100	76.600	70.500	98.000	89.700
Transmitting ERP (watts)	23.200	80.450	62.450	10.360	0.790	0.200	0.230	1.720

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.900	82.300	58.800	54.100	76.600	70.500	98.000	89.700
Transmitting ERP (watts)	0.310	0.960	19.520	91.310	100.120	22.420	2.040	0.260

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-27-43.2 N	085-34-27.8 W	286.5	77.7	1227279

Address: Taylor/Larue, City of

City: Gotton County: TAYLOR 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)	159.200	129.400	81.500	115.300	138.400	121.200	100.500	107.600
Transmitting ERP (watts)	56.530	144.460	74.790	9.690	0.560	0.300	0.370	6.090

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)	159.200	129.400	81.500	115.300	138.400	121.200	100.500	107.600
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-27-43.2 N	085-34-27.8 W	286.5	77.7	1227279

Address: Taylor/Larue, City of

City: Gotton County: TAYLOR 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)	159.200	129.400	81.500	115.300	138.400	121.200	100.500	107.600
Transmitting ERP (watts)	20.840	1.700	0.300	0.380	1.830	30.180	122.250	111.260

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
23	37-45-36.7 N	085-59-28.9 W	242.3	77.7	1228925

Address: 1.6 km NW of

City: Rineyville County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.500	82.000	56.400	72.200	75.600	74.900	59.700	68.100
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.500	82.000	56.400	72.200	75.600	74.900	59.700	68.100
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.500	82.000	56.400	72.200	75.600	74.900	59.700	68.100
Transmitting ERP (watts)	1.200	0.300	0.390	2.840	38.070	131.240	101.290	16.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
24	37-59-45.9 N	085-57-01.3 W	128.0	38.0	

Address: In the City of

City: West Point County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	1.570	1.370	8.820	47.380	124.620	143.080	68.480	15.690

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
25	37-45-48.5 N	085-36-59.1 W	154.2	129.5	1204257

Address: Hardin East cell, 6670 Old Bellwood Road

City: Bardstown County: NELSON 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)	34.600	35.200	61.100	39.000	51.400	29.900	62.200	76.800
Transmitting ERP (watts)	112.340	35.530	3.720	0.260	0.290	0.450	12.040	74.220

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)	34.600	35.200	61.100	39.000	51.400	29.900	62.200	76.800
Transmitting ERP (watts)	4.920	55.230	162.990	105.240	15.570	1.050	0.380	0.440

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)	34.600	35.200	61.100	39.000	51.400	29.900	62.200	76.800
Transmitting ERP (watts)	0.350	0.350	0.350	0.350	15.750	146.950	90.610	5.990

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
26	37-14-59.0 N	085-21-27.8 W	222.8	30.5	1241661

Address: Green River Dam, Southeast of intersection of KY Hwy 55 and Tebbs Bend Road

City: Campbellsville County: TAYLOR State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	37.100	50.200	29.900
Transmitting ERP (watts)	182.210	79.990	9.240	0.460	0.370	0.480	10.610	83.760

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	37.100	50.200	29.900
Transmitting ERP (watts)	0.460	7.670	71.160	181.870	94.160	12.200	0.710	0.370

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	37.100	50.200	29.900
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	37-56-34.5 N	084-57-41.8 W	279.2	99.1	1219406

Address: Anderson South, Wharton Farm Road

City: Willisburg County: ANDERSON 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)	124.100	131.600	132.200	109.900	108.100	124.200	120.600	124.900
Transmitting ERP (watts)	25.020	98.760	122.250	55.980	8.450	0.600	0.430	4.550

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	124.100	131.600	132.200	109.900	108.100	124.200	120.600	124.900
Transmitting ERP (watts)	1.160	0.460	5.100	28.820	122.200	165.980	91.360	14.410

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	124.100	131.600	132.200	109.900	108.100	124.200	120.600	124.900
Transmitting ERP (watts)	112.680	31.600	3.530	0.250	1.200	5.330	43.730	119.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
28	37-52-43.2 N	085-16-10.5 W	244.4	97.5	1218674

Address: Nelson East, Bluegrass Parkway

City: Bloomfield County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.900	93.300	95.300	84.000	105.200	83.100	95.100	108.900
Transmitting ERP (watts)	177.070	26.860	1.040	0.400	0.400	0.400	2.910	88.540

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.900	93.300	95.300	84.000	105.200	83.100	95.100	108.900
Transmitting ERP (watts)	1.050	53.470	192.820	50.140	1.980	0.400	0.400	0.400

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.900	93.300	95.300	84.000	105.200	83.100	95.100	108.900
Transmitting ERP (watts)	0.580	0.400	0.400	0.400	7.690	130.960	146.270	13.900

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-33-17.6 N	086-04-47.0 W	255.7	78.6	1224566

Address: Eastview, 1051 Rock Creek Road

City: Summit County: HARDIN 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)	89.500	109.000	115.900	115.100	112.600	103.200	118.000	108.100
Transmitting ERP (watts)	137.170	29.500	2.640	0.330	0.420	1.320	26.840	127.750

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.500	109.000	115.900	115.100	112.600	103.200	118.000	108.100
Transmitting ERP (watts)	9.450	74.650	162.390	71.290	8.230	0.410	0.330	0.420

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)	89.500	109.000	115.900	115.100	112.600	103.200	118.000	108.100
Transmitting ERP (watts)	1.350	0.330	0.430	3.180	42.710	147.250	113.650	18.120

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
30	37-40-47.5 N	086-03-13.7 W	258.2	77.7	1256862

Address: Howe Valley, 6509 Hardinsburg Road

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.500	89.500	105.300	124.100	106.700	108.900	118.300	96.600
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.500	89.500	105.300	124.100	106.700	108.900	118.300	96.600
Transmitting ERP (watts)	0.260	0.340	7.510	59.300	128.990	56.630	6.540	0.320

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.500	89.500	105.300	124.100	106.700	108.900	118.300	96.600
Transmitting ERP (watts)	30.240	2.840	0.260	0.330	0.690	16.910	90.270	116.960

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	37-46-52.1 N	085-29-41.6 W	186.8	77.7	1222666

Address: Nelson West, on Highway 31 East

City: Bardstown County: NELSON 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)	45.400	29.900	37.400	48.500	55.000	84.100	76.400	37.400
Transmitting ERP (watts)	148.100	66.150	7.950	0.410	0.330	0.390	8.520	69.270

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	45.400	29.900	37.400	48.500	55.000	84.100	76.400	37.400
Transmitting ERP (watts)	2.890	38.950	135.070	104.850	17.400	1.320	0.330	0.390

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)	45.400	29.900	37.400	48.500	55.000	84.100	76.400	37.400
Transmitting ERP (watts)	2.570	0.330	0.390	1.200	24.580	114.960	126.050	28.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
32	37-45-22.0 N	085-19-04.1 W	213.4	57.9	1240441

Address: Bardstown SE cell, 7513 U.S. Route 150, 2.1 km east of

City: Fredericktown County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.100	47.100	33.500	29.900	29.900	55.400	79.700	44.000
Transmitting ERP (watts)	221.490	252.790	94.940	13.100	0.880	1.190	10.560	63.690

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.100	47.100	33.500	29.900	29.900	55.400	79.700	44.000
Transmitting ERP (watts)	7.630	43.130	182.830	248.350	136.700	21.560	1.730	0.680

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.100	47.100	33.500	29.900	29.900	55.400	79.700	44.000
Transmitting ERP (watts)	41.880	4.140	0.520	2.890	22.300	119.580	253.430	200.980

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-34-40.5 N	085-08-12.5 W	294.1	93.0	1261393

Address: Penick, 6715 Danville Highway (KY11776-A)

City: Lebanon County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.100	95.800	76.100	74.200	106.700	133.900	113.300	113.200
Transmitting ERP (watts)	17.310	81.910	91.780	21.270	1.870	0.260	0.280	0.860

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.100	95.800	76.100	74.200	106.700	133.900	113.300	113.200
Transmitting ERP (watts)	0.300	0.480	13.100	80.300	122.700	38.140	3.840	0.260

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.100	95.800	76.100	74.200	106.700	133.900	113.300	113.200
Transmitting ERP (watts)	6.540	0.320	0.260	0.340	7.510	59.300	128.990	56.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
34	37-15-19.8 N	085-35-11.9 W	216.1	77.7	1266730

Address: Webbs, 5986 Highway 1464

City: Greensburg County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.800	92.800	83.300	89.500	54.500	70.300	85.800	89.900
Transmitting ERP (watts)	45.770	117.640	63.170	8.330	0.490	0.260	0.300	4.900

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.800	92.800	83.300	89.500	54.500	70.300	85.800	89.900
Transmitting ERP (watts)	0.440	0.920	22.500	120.830	155.660	41.900	4.000	0.380

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.800	92.800	83.300	89.500	54.500	70.300	85.800	89.900
Transmitting ERP (watts)	2.760	0.260	0.300	0.630	15.510	83.280	107.290	28.880

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	37-42-18.4 N	086-12-20.7 W	255.7	77.7	1264212

Address: Vertrees, 15921 Hardinsburg Road

City: Cecilia County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	69.700	113.300	109.300	123.000	96.700	119.800	106.400
Transmitting ERP (watts)	19.520	91.310	100.120	22.420	2.040	0.260	0.310	0.960

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	69.700	113.300	109.300	123.000	96.700	119.800	106.400
Transmitting ERP (watts)	0.260	0.300	3.390	38.070	112.340	72.530	10.730	0.730

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	69.700	113.300	109.300	123.000	96.700	119.800	106.400
Transmitting ERP (watts)	28.880	2.760	0.260	0.300	0.630	15.510	83.280	107.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
36	37-53-29.0 N	085-31-56.0 W	220.7	78.3	1062550

Address: Bardstown NW, 720 South Saint Gregory Road

City: Samuels County: NELSON 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)	104.400	71.100	57.700	59.000	95.100	74.500	82.800	83.900
Transmitting ERP (watts)	51.350	131.990	70.890	9.340	0.550	0.300	0.330	5.500

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)	104.400	71.100	57.700	59.000	95.100	74.500	82.800	83.900
Transmitting ERP (watts)	0.320	0.500	13.510	83.280	126.050	39.860	4.170	0.300

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	104.400	71.100	57.700	59.000	95.100	74.500	82.800	83.900
Transmitting ERP (watts)	13.350	1.250	0.300	0.300	1.040	15.960	64.650	62.090

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	37-25-20.1 N	085-16-59.5 W	333.5	60.6	

Address: Spurlington, 11.25 km NE of

City: Campbellsville County: TAYLOR 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)	152.900	158.600	119.800	124.800	156.800	140.700	131.400	136.200
Transmitting ERP (watts)	139.820	92.120	15.240	1.400	0.310	3.060	20.470	92.740

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)	152.900	158.600	119.800	124.800	156.800	140.700	131.400	136.200
Transmitting ERP (watts)	6.130	36.940	128.460	146.610	55.060	7.600	0.510	0.690

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	152.900	158.600	119.800	124.800	156.800	140.700	131.400	136.200
Transmitting ERP (watts)	1.130	0.300	1.540	3.910	19.840	66.020	52.400	10.470

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
38	37-53-15.8 N	085-58-41.2 W	213.4	42.7	

Address: Fort Knox II, 120 Fisher Court

City: Fort Knox County: HARDIN 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)	73.300	58.300	82.500	33.300	37.900	29.900	42.100	69.300
Transmitting ERP (watts)	112.350	104.850	19.980	1.660	0.300	0.350	1.660	27.580

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.300	58.300	82.500	33.300	37.900	29.900	42.100	69.300
Transmitting ERP (watts)	0.330	5.500	51.350	131.990	70.890	9.340	0.550	0.300

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.300	58.300	82.500	33.300	37.900	29.900	42.100	69.300
Transmitting ERP (watts)	4.170	0.300	0.320	0.500	13.510	83.280	126.050	39.860

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	37-48-30.9 N	085-59-37.8 W	217.3	92.6	1230567

Address: Otter Road

City: Vine Grove County: HARDIN 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)	76.300	83.600	60.600	40.000	46.200	65.400	50.900	60.600
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.300	83.600	60.600	40.000	46.200	65.400	50.900	60.600
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	76.300	83.600	60.600	40.000	46.200	65.400	50.900	60.600
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
40	37-26-38.8 N	085-45-12.8 W	264.3	77.7	1254845

Address: 1.3 km northwest of

City: Magnolia County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.800	87.900	76.000	113.300	120.400	94.200	96.100	101.400
Transmitting ERP (watts)	116.290	103.170	20.820	1.540	0.380	0.270	3.320	29.820

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.800	87.900	76.000	113.300	120.400	94.200	96.100	101.400
Transmitting ERP (watts)	0.330	5.430	50.380	128.750	66.660	8.640	0.500	0.260

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.800	87.900	76.000	113.300	120.400	94.200	96.100	101.400
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	37-11-24.9 N	085-26-58.6 W	258.8	77.7	1258491

Address: Gresham, 501 Bramlett Road

City: Greensburg County: GREEN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.300	118.700	101.700	114.600	112.000	92.300	110.500	133.600
Transmitting ERP (watts)	3.000	26.760	106.800	96.730	19.980	1.630	0.340	0.280

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.300	118.700	101.700	114.600	112.000	92.300	110.500	133.600
Transmitting ERP (watts)	0.850	0.400	0.640	9.170	71.480	176.260	95.530	13.590

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.300	118.700	101.700	114.600	112.000	92.300	110.500	133.600
Transmitting ERP (watts)	118.730	39.040	3.990	0.320	0.280	1.330	13.290	78.990

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
42	37-36-21.0 N	086-03-25.0 W	259.9	91.1	1009674

Address: Stephensburg, 2.0 km North of

City: Eastview County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.500	114.400	126.400	131.700	147.600	118.400	112.300	114.700
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.500	114.400	126.400	131.700	147.600	118.400	112.300	114.700
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.500	114.400	126.400	131.700	147.600	118.400	112.300	114.700
Transmitting ERP (watts)	2.040	0.260	0.310	0.960	19.520	91.310	100.120	22.420

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-48-17.5 N	085-51-07.8 W	256.0	83.8	1205260

Address: Prather, 7891 Shepardsville Road

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.800	166.100	158.500	104.800	75.900	78.100	103.200	115.400
Transmitting ERP (watts)	11.750	66.270	98.050	32.810	3.770	0.260	0.320	0.470

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.800	166.100	158.500	104.800	75.900	78.100	103.200	115.400
Transmitting ERP (watts)	0.240	0.240	0.270	16.050	108.530	50.760	2.790	0.240

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.800	166.100	158.500	104.800	75.900	78.100	103.200	115.400
Transmitting ERP (watts)	6.320	0.360	0.260	0.340	6.770	32.190	47.920	30.790

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
44	37-25-41.0 N	085-39-31.8 W	292.9	77.7	1262106

Address: Green North, 788 Sand Ridge Road

City: Magnolia County: LARUE 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)	96.800	115.600	118.800	142.400	144.600	148.100	117.600	121.300
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	96.800	115.600	118.800	142.400	144.600	148.100	117.600	121.300
Transmitting ERP (watts)	0.700	13.920	51.730	61.900	22.820	2.940	0.260	0.330

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	96.800	115.600	118.800	142.400	144.600	148.100	117.600	121.300
Transmitting ERP (watts)	1.160	0.260	0.340	2.450	24.450	61.900	51.730	12.400

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-45-49.2 N	085-47-28.0 W	212.1	83.8	1211565

Address: I-65 Rock Cut, 781 Casey Lane

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.600	106.500	109.000	29.900	29.900	33.000	29.900	51.700
Transmitting ERP (watts)	79.530	148.100	55.020	6.170	0.330	0.350	0.440	11.500

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.600	106.500	109.000	29.900	29.900	33.000	29.900	51.700
Transmitting ERP (watts)	0.480	0.550	6.200	69.530	205.190	132.480	19.600	1.320

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.600	106.500	109.000	29.900	29.900	33.000	29.900	51.700
Transmitting ERP (watts)	10.850	0.420	0.310	0.310	0.310	5.700	98.990	111.060

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
46	37-31-11.6 N	085-52-28.2 W	243.8	37.0	

Address: Sonora DT-WT, Water Tank, 2.0 km southeast of

City: Sonora County: LARUE 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)	55.900	52.800	41.400	29.900	40.900	56.000	65.000	62.700
Transmitting ERP (watts)	148.100	66.150	7.950	0.410	0.330	0.390	8.520	69.270

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	55.900	52.800	41.400	29.900	40.900	56.000	65.000	62.700
Transmitting ERP (watts)	0.800	19.520	104.850	135.070	36.350	3.470	0.330	0.380

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	55.900	52.800	41.400	29.900	40.900	56.000	65.000	62.700
Transmitting ERP (watts)	1.320	0.200	0.390	2.890	38.950	135.070	104.850	17.400

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	37-29-39.8 N	085-11-34.3 W	223.7	77.7	1276116

Address: Bradfordsville, 725 Settles Road

City: Lebanon County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	33.000	29.900	86.600	58.500
Transmitting ERP (watts)	18.240	82.650	124.610	82.100	13.580	1.250	0.280	2.730

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	33.000	29.900	86.600	58.500
Transmitting ERP (watts)	0.450	0.620	5.460	32.920	114.480	130.660	49.070	6.770

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	33.000	29.900	86.600	58.500
Transmitting ERP (watts)	112.910	27.380	2.950	0.270	1.500	8.200	53.810	130.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
48	37-19-48.0 N	085-32-44.0 W	246.9	48.5	

Address: Summersville WT, Water Tank in the Town of

City: Summersville County: GREEN 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)	41.400	67.100	64.900	91.900	88.100	93.500	88.200	56.700
Transmitting ERP (watts)	92.740	139.820	92.120	15.240	1.400	0.310	3.060	20.470

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.400	67.100	64.900	91.900	88.100	93.500	88.200	56.700
Transmitting ERP (watts)	1.010	6.140	44.740	137.360	142.220	45.580	5.530	0.370

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.400	67.100	64.900	91.900	88.100	93.500	88.200	56.700
Transmitting ERP (watts)	37.900	4.240	0.300	1.440	6.390	52.450	143.540	135.170

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	37-48-34.0 N	085-34-51.6 W	177.7	85.3	1269851

Address: Bardstown West, 6656 Boston Road

City: Bardstown County: NELSON 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)	54.100	54.900	68.000	76.100	91.500	91.500	107.900	77.100
Transmitting ERP (watts)	9.020	56.820	102.510	39.980	4.940	0.260	0.300	0.370

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)	54.100	54.900	68.000	76.100	91.500	91.500	107.900	77.100
Transmitting ERP (watts)	0.240	0.550	1.400	11.850	11.560	11.830	2.780	0.960

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)	54.100	54.900	68.000	76.100	91.500	91.500	107.900	77.100
Transmitting ERP (watts)	3.720	0.260	0.290	0.450	12.040	74.220	112.340	35.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
50	37-38-16.1 N	085-49-41.4 W	254.5	80.8	1205593

Address: Lincoln Parkway, Site LV0115 @ 342 Fultz Road

City: Elizabethtown County: HARDIN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.500	105.200	68.900	96.400	103.300	107.000	113.200	94.800
Transmitting ERP (watts)	41.260	113.640	22.670	0.880	0.240	0.240	0.240	1.010

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.500	105.200	68.900	96.400	103.300	107.000	113.200	94.800
Transmitting ERP (watts)	0.240	0.270	16.050	108.530	50.760	2.790	0.240	0.240

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.500	105.200	68.900	96.400	103.300	107.000	113.200	94.800
Transmitting ERP (watts)	16.430	0.680	0.240	0.240	0.240	0.920	31.300	80.450

Licensee Name: CELLCO PARTNERSHIP

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	37-35-28.7 N	085-14-56.6 W	262.4	60.7	1267688

Address: Lebanon Dntown, 645 Henrickson Drive (9LV1141G)

City: Lebanon County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.500	58.600	49.200	58.400	73.300	87.100	102.000	96.000
Transmitting ERP (watts)	16.490	101.100	154.470	48.010	4.830	0.330	0.380	0.600

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.500	58.600	49.200	58.400	73.300	87.100	102.000	96.000
Transmitting ERP (watts)	0.330	0.430	2.050	33.870	137.170	124.840	23.380	1.910

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.500	58.600	49.200	58.400	73.300	87.100	102.000	96.000
Transmitting ERP (watts)	83.920	10.870	0.630	0.330	0.410	6.840	63.420	162.090

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
52	37-35-51.0 N	085-40-04.0 W	271.6	91.1	1063508

Address: Lincoln Home, in the city of

City: WHITE CITY County: LARUE 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)	144.400	169.100	139.400	136.700	88.200	113.600	120.600	89.700
Transmitting ERP (watts)	20.920	81.390	73.540	16.350	1.210	0.260	0.310	1.880

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	144.400	169.100	139.400	136.700	88.200	113.600	120.600	89.700
Transmitting ERP (watts)	0.270	0.730	8.180	47.900	88.020	46.810	7.270	0.520

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)	144.400	169.100	139.400	136.700	88.200	113.600	120.600	89.700
Transmitting ERP (watts)	35.530	3.720	0.260	0.290	0.450	12.040	74.220	112.340

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	37-20-53.0 N	085-20-42.0 W	267.0	59.1	1242907

Address: Campbellsville III, 701 Melrose Drive (KY13176-A)

City: Campbellsville County: TAYLOR 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)	41.100	29.900	56.700	60.100	72.800	97.700	92.400	57.700
Transmitting ERP (watts)	22.480	38.430	28.830	7.290	0.670	0.300	0.340	4.090

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)	41.100	29.900	56.700	60.100	72.800	97.700	92.400	57.700
Transmitting ERP (watts)	0.520	0.340	0.690	10.410	69.430	139.820	62.740	8.250

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	41.100	29.900	56.700	60.100	72.800	97.700	92.400	57.700
Transmitting ERP (watts)	23.540	4.810	0.340	0.320	0.430	6.960	27.560	39.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
54	37-38-13.0 N	085-24-00.0 W	243.8	38.0	

Address: Loretto WT, Water Tank in the Town of

City: Loretto County: MARION State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.400	43.600	34.100	44.800	61.400	57.000	103.700	70.400
Transmitting ERP (watts)	167.010	161.160	30.530	3.300	0.410	9.640	46.850	175.890

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.400	43.600	34.100	44.800	61.400	57.000	103.700	70.400
Transmitting ERP (watts)	0.980	23.880	127.520	165.220	42.710	4.010	0.370	0.460

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.400	43.600	34.100	44.800	61.400	57.000	103.700	70.400
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	37-42-47.1 N	085-27-56.7 W	218.2	88.4	1259400

Address: Pine Lick Knob, 11 km south of

City: Bardstown County: NELSON 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)	100.000	80.800	74.900	78.700	81.800	129.800	115.700	119.200
Transmitting ERP (watts)	100.120	93.440	17.800	1.480	0.260	0.310	1.480	24.580

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.000	80.800	74.900	78.700	81.800	129.800	115.700	119.200
Transmitting ERP (watts)	4.660	26.300	113.020	128.080	126.490	27.090	2.180	0.290

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.000	80.800	74.900	78.700	81.800	129.800	115.700	119.200
Transmitting ERP (watts)	3.720	0.260	0.290	0.450	12.040	74.220	112.340	35.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
56	37-34-02.3 N	085-43-47.1 W	232.9	42.1	

Address: Hodgenville Downtown, Water Tank, 1.2 km SE of

City: Hodgenville County: LARUE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	46.500	41.400	29.900	29.900	34.000	60.400	31.100
Transmitting ERP (watts)	139.820	92.120	15.240	1.400	0.310	3.060	20.470	92.740

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	46.500	41.400	29.900	29.900	34.000	60.400	31.100
Transmitting ERP (watts)	6.130	36.940	128.460	146.610	55.060	7.600	0.510	0.690

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	46.500	41.400	29.900	29.900	34.000	60.400	31.100
Transmitting ERP (watts)	3.310	0.300	1.690	9.200	60.380	146.610	126.700	30.720

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
57	37-49-14.0 N	085-25-28.0 W	220.1	110.4	1042220

Address: Bardstown East, 0.4 MI South of US 62, 2.4 MI (3.8 km) ENE of

City: BARDSTOWN County: NELSON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.700	62.900	69.600	64.300	92.200	105.300	97.800	75.500
Transmitting ERP (watts)	7.170	90.270	75.080	5.830	0.270	0.240	0.240	0.240

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.700	62.900	69.600	64.300	92.200	105.300	97.800	75.500
Transmitting ERP (watts)	0.240	0.240	4.520	78.620	88.210	8.620	0.340	0.240

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.700	62.900	69.600	64.300	92.200	105.300	97.800	75.500
Transmitting ERP (watts)	0.260	0.240	0.240	0.240	2.490	56.960	88.210	10.850

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
58	37-41-03.7 N	085-51-36.8 W	240.8	64.0	1200367

Address: Elizabethtown Downtown, 1515 Fisher Ridge Rd

City: Elizabethtown County: HARDIN 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)	44.200	72.100	29.900	53.800	66.500	84.300	59.700	55.700
Transmitting ERP (watts)	103.650	30.190	1.570	0.310	0.310	0.310	0.790	31.570

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)	44.200	72.100	29.900	53.800	66.500	84.300	59.700	55.700
Transmitting ERP (watts)	0.310	3.760	84.830	126.930	15.260	0.600	0.310	0.310

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	44.200	72.100	29.900	53.800	66.500	84.300	59.700	55.700
Transmitting ERP (watts)	0.330	0.310	0.310	0.310	13.670	120.870	74.970	4.960

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File Number: 0009134679

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	37-42-30.7 N	085-57-36.0 W	252.7	44.5	1256880

Address: Elizabethtown West, 531 Thomas Lane

City: Elizabethtown County: HARDIN 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)	68.700	52.800	62.300	71.000	84.900	63.200	73.400	53.000
Transmitting ERP (watts)	166.170	73.380	8.520	0.430	0.330	0.480	9.780	78.620

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)	68.700	52.800	62.300	71.000	84.900	63.200	73.400	53.000
Transmitting ERP (watts)	0.910	22.500	119.470	150.960	39.250	3.620	0.330	0.440

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)	68.700	52.800	62.300	71.000	84.900	63.200	73.400	53.000
Transmitting ERP (watts)	1.370	0.330	0.480	3.300	44.040	150.960	116.750	18.720

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
60	37-47-54.1 N	085-54-40.5 W	260.0	51.8	

Address: Longview, 11 km NNW of

City: Elizabethtown County: HARDIN 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)	128.000	127.700	103.000	59.100	70.600	65.800	76.600	101.300
Transmitting ERP (watts)	30.020	118.460	146.650	67.150	10.130	0.720	0.520	5.460

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)	128.000	127.700	103.000	59.100	70.600	65.800	76.600	101.300
Transmitting ERP (watts)	0.300	1.440	6.390	52.450	143.540	135.170	37.900	4.240

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.000	127.700	103.000	59.100	70.600	65.800	76.600	101.300
Transmitting ERP (watts)	104.590	19.280	1.710	0.300	1.930	15.990	80.200	144.040

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	37-39-21.4 N	085-30-55.0 W	174.3	88.4	1278910

Address: New Hope, 4808 New Hope Road

City: New Haven County: NELSON 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)	76.600	63.900	60.000	50.400	57.100	62.100	51.900	91.000
Transmitting ERP (watts)	130.990	103.880	21.640	2.140	0.270	1.490	11.530	61.810

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)	76.600	63.900	60.000	50.400	57.100	62.100	51.900	91.000
Transmitting ERP (watts)	3.940	22.290	94.500	128.360	70.660	11.140	0.890	0.350

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)	76.600	63.900	60.000	50.400	57.100	62.100	51.900	91.000
Transmitting ERP (watts)	4.930	0.330	0.900	5.470	39.870	122.420	126.750	40.620

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
62	37-39-14.7 N	085-07-57.5 W	254.5	33.5	

Address: Washington East, 8.5 km southeast of

City: Springfield County: WASHINGTON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	29.900	29.900	29.900	29.900	29.900	36.700	48.800
Transmitting ERP (watts)	21.910	117.640	151.550	40.790	3.900	0.370	0.430	0.890

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	29.900	29.900	29.900	29.900	29.900	36.700	48.800
Transmitting ERP (watts)	0.370	0.420	6.930	64.650	166.170	89.240	11.760	0.690

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	29.900	29.900	29.900	29.900	29.900	36.700	48.800
Transmitting ERP (watts)	50.180	5.250	0.370	0.410	0.630	17.000	104.850	158.690

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Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	37-47-04.8 N	085-10-14.2 W	245.1	33.5	

Address: Washington North, 12.0 km northeast of

City: Springfield County: WASHINGTON 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)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	141.440	132.000	25.150	2.090	0.370	0.440	2.090	34.720

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	0.420	6.930	64.650	166.170	89.240	11.760	0.690	0.370

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	5.250	0.370	0.410	0.630	17.000	104.850	158.690	50.180

Antenna: 1

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	5.250	0.370	0.410	0.630	17.000	104.850	158.690	50.180

Antenna: 2

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	5.250	0.370	0.410	0.630	17.000	104.850	158.690	50.180

Antenna: 3

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.200	35.000	34.500	29.900	33.500	50.700	69.700	58.500
Transmitting ERP (watts)	5.250	0.370	0.410	0.630	17.000	104.850	158.690	50.180

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
64	37-42-23.0 N	085-52-36.0 W	239.9	33.2	1025387

Address: Helmwood Drive Water Tower, Helmwood Drive at Cherry Wood Drive

City: Elizabethtown County: HARDIN 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)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	13.660	127.520	78.630	5.190	0.310	0.310	0.310	0.310

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	0.310	0.310	0.790	40.320	146.410	38.510	1.570	0.310

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	15.330	0.570	0.310	0.310	0.310	3.510	82.330	124.620

Antenna: 1

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	15.330	0.570	0.310	0.310	0.310	3.510	82.330	124.620

Antenna: 2

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	15.330	0.570	0.310	0.310	0.310	3.510	82.330	124.620

Antenna: 3

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	40.300	65.400	42.200	29.900	46.600	53.000	30.600	35.900
Transmitting ERP (watts)	15.330	0.570	0.310	0.310	0.310	3.510	82.330	124.620

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-43-04.0 N	085-42-31.0 W	254.2	126.4	1019052

Address: Hardin-Nelson, 14.5 km east of

City: Elizabethtown County: HARDIN 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)	216.800	209.000	200.700	168.500	111.200	117.900	144.800	168.700
Transmitting ERP (watts)	65.140	85.560	23.840	2.300	0.240	0.240	0.510	11.990

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	216.800	209.000	200.700	168.500	111.200	117.900	144.800	168.700
Transmitting ERP (watts)	0.260	1.750	24.390	85.560	66.660	11.450	0.880	0.240

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	216.800	209.000	200.700	168.500	111.200	117.900	144.800	168.700
Transmitting ERP (watts)	6.620	0.520	0.240	0.240	1.700	19.410	58.280	39.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
66	37-54-01.0 N	085-55-33.5 W	209.1	47.0	

Address: Fort Knox III, Water tank in the town of

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

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.100	62.400	67.400	48.800	29.900	39.300	38.000	61.100
Transmitting ERP (watts)	51.750	146.700	115.170	23.010	1.860	0.300	1.820	7.840

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.100	62.400	67.400	48.800	29.900	39.300	38.000	61.100
Transmitting ERP (watts)	0.350	3.430	22.970	104.060	156.880	103.360	17.100	1.570

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.100	62.400	67.400	48.800	29.900	39.300	38.000	61.100
Transmitting ERP (watts)	61.780	8.520	0.570	0.770	6.870	41.440	144.130	164.500

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-11-29.0 N	085-36-08.2 W	241.4	32.5	

Address: Pierce, 236 Pierce Donansburg Road

City: Greensburg County: GREEN 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)	66.900	68.100	54.800	29.900	50.100	32.900	61.800	73.100
Transmitting ERP (watts)	53.170	167.440	149.780	35.670	3.490	0.400	0.370	3.630

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)	66.900	68.100	54.800	29.900	50.100	32.900	61.800	73.100
Transmitting ERP (watts)	0.370	0.580	10.680	91.000	179.990	107.410	15.880	1.740

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.900	68.100	54.800	29.900	50.100	32.900	61.800	73.100
Transmitting ERP (watts)	66.780	7.180	0.870	0.370	1.470	25.900	132.880	177.360

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
68	37-46-43.0 N	085-51-42.0 W	269.4	91.1	1065018

Address: Battle Training Road, 7.3 km west of

City: COLESBURG County: HARDIN 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)	147.400	186.900	168.800	108.800	108.200	105.100	120.100	131.500
Transmitting ERP (watts)	2.100	57.790	119.330	18.800	0.690	0.260	0.260	0.260

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	147.400	186.900	168.800	108.800	108.200	105.100	120.100	131.500
Transmitting ERP (watts)	0.260	0.260	3.460	71.650	109.990	13.420	0.540	0.260

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	147.400	186.900	168.800	108.800	108.200	105.100	120.100	131.500
Transmitting ERP (watts)	13.420	0.540	0.260	0.260	0.260	3.460	71.650	109.990

Control Points:

Control Pt. No. 1

Address: 216-W LINCOLN TRAIL

City: RADCLIFF County: State: KY Telephone Number:

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN795

File Number: 0009134679

Print Date: 09-01-2020

Waivers/Conditions:

NONE

Reference Copy



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ULS Application

Cellular - 0009134679 - KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP d/b/a BLUEGRASS CELLULAR

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ADMIN

File Number 0009134679

Call Sign [KNKN795](#)

General Information

Application Purpose RO - Renewal Only

Existing Radio Service

Authorization Type Regular

Receipt Date 07/06/2020

Entered Date 07/03/2020

Waiver No

Attachments No

Application Fee Exempt No

Major Request

Use Question

SERVICE SPECIFIC

Radio Service CL - Cellular

Application Status G - Granted

Emergency STA

Action Date 09/01/2020

Requested Expiration Date

Number of Rules

Grandfathered Privileges

Regulatory Fee Exempt No

Market Data

Market CMA446 - Kentucky 4 - Spencer

Submarket Designator 0

Channel Block B ([View Frequencies](#))

Phase 2

Applicant Information

FRN 0001786722
([View Ownership Filing](#))

Name KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP d/b/a BLUEGRASS CELLULAR
P.O. Box 5012
ELIZABETHTOWN, KY 42702-5012

Real Party in Interest

Type General Partnership

P:(270)769-0339
F:(270)769-0745

FRN of Real Party in Interest

Contact Information

Name Lukas, LaFuria, Gutierrez & Sachs, LLP
PAMELA L GIST, ESQ
8300 Greensboro Drive, Suite 1200
Tysons, VA 22102

P:(703)584-8665
F:(703)584-8696
E:pglist@fcclaw.com

Qualifications, Ownership

Radio Service Type Mobile

Regulatory Status Common Carrier

Interconnected Yes

Alien Ownership

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

Basic Qualifications

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

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Discontinuance of Service Certification

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

Regulatory Compliance Certification

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

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By File Number

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION****LICENSEE:** CELLCO PARTNERSHIP

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

Call Sign WPOK659	File Number 0010160394
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-12-2019	Effective Date 09-23-2022	Expiration Date 09-29-2029	Print Date 02-10-2023
Market Number BTA423	Channel Block C	Sub-Market Designator 1	
Market Name Somerset, KY			
1st Build-out Date 09-29-2004	2nd Build-out Date 09-29-2009	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPOK659

File Number: 0010160394

Print Date: 02-10-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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0010409747 - Cellco Partnership

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NOTIFICATION

File Number	0010409747	Application Status	Q - Accepted
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General Information

Application Purpose	NT - Required Notification		
Existing Radio Service			
Authorization Type		Emergency STA	
Receipt Date	02/08/2023	Action Date	02/09/2023
Entered Date	02/08/2023	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	
Major Request			

Applicant Information

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

Contact Information

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

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WPZX945	File Number 0009262040
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-06-2019	Effective Date 01-13-2021	Expiration Date 09-29-2029	Print Date 03-10-2021
Market Number BTA423	Channel Block C	Sub-Market Designator 2	
Market Name Somerset, KY			
1st Build-out Date 09-29-2004	2nd Build-out Date 09-29-2009	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WPZX945

File Number: 0009262040

Print Date: 03-10-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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0009441397 - Cellco Partnership

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NOTIFICATION

File Number	0009441397	Application Status	Q - Accepted
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General Information

Application Purpose	NT - Required Notification		
Existing Radio Service			
Authorization Type		Emergency STA	
Receipt Date	03/05/2021	Action Date	03/09/2021
Entered Date	03/05/2021	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	
Major Request			

Applicant Information

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

Contact Information

Name	Verizon Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com
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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION**

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign	File Number
WQCS429	0011447076
Radio Service	
CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 06-16-2025	Effective Date 06-16-2025	Expiration Date 05-13-2035	Print Date 06-17-2025
Market Number BTA263	Channel Block C		Sub-Market Designator 5
Market Name Louisville, KY			
1st Build-out Date 05-13-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQCS429

File Number: 0011447076

Print Date: 06-17-2025

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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PCS Broadband - 0011447076 - Cellco Partnership

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TRANS LOG

File Number	0011447076	Radio Service	CW - PCS Broadband
Call Sign	WQCS429	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	02/12/2025	Action Date	06/16/2025
Entered Date	02/12/2025	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question	Commercial		

Market Data

Market	BTA263 - Louisville, KY	Channel Block	C
Submarket Designator	5	Associated Frequencies (MHz)	001895.00000000- 001910.00000000 001975.00000000- 001990.00000000

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Licensing Manager		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com

Real Party in Interest		FRN of Real Party in Interest	
Contact Information			
Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
Qualifications, Ownership			
Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes
Alien Ownership The Applicant answered "No" to each of the Alien Ownership questions.			
Basic Qualifications The Applicant answered "No" to each of the Basic Qualification questions.			
Demographics			
Race			
Ethnicity		Sex	
Additional Certifications			
Operation/Performance Requirement Certification			
For a site-based license			
Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).			
For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement			
Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.			
For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement			
Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.			
For a geographic license, commercial service - licensee in any subsequent term			
Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.			
For a geographic license, private systems - licensee in its initial license term with an interim performance requirement			

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.	
For a geographic license, private systems - licensee in its initial license term with no interim performance requirement	
Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.	
For a geographic license, private systems - licensee in any subsequent term	
Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.	
For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.	
Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.	
For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings	
Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.	
Discontinuance of Service Certification	
Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.	Yes
Regulatory Compliance Certification	
Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.	Yes

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0011624449 - Trace-Tek

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File Number	0011624449	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	De Facto Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	06/27/2025		
Entered Date	06/27/2025	Action Date	07/09/2025
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

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

Licensee Contact Information

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

Lessee Information

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

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

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Lessee Contact Information

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

Radio Service Type			
Regulatory Status		Interconnected	

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

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

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**Federal Communications Commission**
Wireless Telecommunications Bureau**RADIO STATION AUTHORIZATION**

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA940

File Number: 0009774996

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010761275 - Trace-Tek

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

General Information

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

Licensee Information

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

Licensee Contact Information

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

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

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

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Lessee Contact Information

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

Radio Service Type	
Regulatory Status	Interconnected

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

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

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQGA958	File Number 0009775568
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-03-2022	Effective Date 01-03-2022	Expiration Date 11-29-2036	Print Date 01-05-2022
Market Number BEA070	Channel Block B	Sub-Market Designator 0	
Market Name Louisville, KY-IN			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA958

File Number: 0009775568

Print Date: 01-05-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010856976 - Trace-Tek

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File Number	0010856976				Application Status	G - Granted					
Application Purpose	LN - New Lease				Classification of Lease	De Facto Transfer					
General Information											
Application Purpose	LN - New Lease										
Receipt Date	01/24/2024										
Entered Date	01/24/2024				Action Date	03/05/2024					
Waiver	No				Number of Rules						
Attachments	Yes										
Application Fee Exempt	No				Waiver/Deferral Fee	No					
Licensee Information											
FRN	0003290673 (View Ownership Filing)				Type	General Partnership					
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022					P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com					
Race					Sex						
Ethnicity											
Licensee Contact Information											
Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005					P:(202)515-2453 E:sarah.trosch@verizon.com					
Lessee Information											
FRN	0030856223 (View Ownership)				Type	Limited Liability Company					

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

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Lessee Contact Information

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

Radio Service Type			
Regulatory Status		Interconnected	

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

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

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**Federal Communications Commission
Wireless Telecommunications Bureau****RADIO STATION AUTHORIZATION****LICENSEE:** CELLCO PARTNERSHIP

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

Call Sign	File Number
WQGD757	0010160394
Radio Service	
AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-10-2022	Effective Date 09-23-2022	Expiration Date 12-18-2036	Print Date 02-10-2023
Market Number BEA070	Channel Block C	Sub-Market Designator 0	
Market Name Louisville, KY-IN			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGD757

File Number: 0010160394

Print Date: 02-10-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0010409747 - Cellco Partnership

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NOTIFICATION

File Number	0010409747	Application Status	Q - Accepted
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General Information

Application Purpose	NT - Required Notification		
Existing Radio Service			
Authorization Type		Emergency STA	
Receipt Date	02/08/2023	Action Date	02/09/2023
Entered Date	02/08/2023	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	
Major Request			

Applicant Information

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

Contact Information

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

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

Grant Date 01-10-2020	Effective Date 06-25-2025	Expiration Date 06-13-2029	Print Date 01-14-2020
Market Number REA004	Channel Block C	Sub-Market Designator 0	
Market Name Mississippi Valley			
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number: 0008587218

Print Date: 01-14-2020

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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0011715806 - Trace-Tek

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File Number	0011715806	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	<i>De Facto</i> Transfer

General Information

Application Purpose	LN - New Lease		
Receipt Date	09/04/2025		
Entered Date	09/04/2025	Action Date	09/11/2025
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

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

Licensee Contact Information

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

Lessee Information

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

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

--

Lessee Contact Information

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

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Lessee Qualifications and Ownership Information

Radio Service Type			
Regulatory Status		Interconnected	

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

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

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Federal Communications Commission
45 L Street NE
Washington, DC 20554

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

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WRWD815	File Number 0011603240
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 09-09-2025	Effective Date 09-09-2025	Expiration Date 09-06-2035	Print Date 09-10-2025
Market Number BTA263	Channel Block C	Sub-Market Designator 8	
Market Name Louisville, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRWD815

File Number: 0011603240

Print Date: 09-10-2025

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Universal Licensing System

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[FCC Site Map](#)

ULS Application

PCS Broadband - 0011603240 - Cellco Partnership

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 [Reference Copy](#)
MAIN
ADMIN
TRANS LOG

File Number	0011603240	Radio Service	CW - PCS Broadband
Call Sign	WRWD815	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	06/10/2025	Action Date	09/09/2025
Entered Date	06/10/2025	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	Yes	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question	Commercial		

Market Data

Market	BTA263 - Louisville, KY	Channel Block	C
Submarket Designator	8	Associated Frequencies (MHz)	001895.00000000- 001910.00000000 001975.00000000- 001990.00000000

Applicant Information

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

Real Party in Interest		FRN of Real Party in Interest	
Contact Information			
Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Regulatory		P:(770)797-1070 E:licensingcompliance@verizonwireless.com
Qualifications, Ownership			
Radio Service Type	Mobile		
Regulatory Status	Common Carrier	Interconnected	Yes
Alien Ownership The Applicant answered "No" to each of the Alien Ownership questions.			
Basic Qualifications The Applicant answered "No" to each of the Basic Qualification questions.			
Demographics			
Race			
Ethnicity		Sex	
Additional Certifications			
Operation/Performance Requirement Certification			
For a site-based license			
Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).			
For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement			
Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.			
For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement			
Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.			
For a geographic license, commercial service - licensee in any subsequent term			
Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.			
For a geographic license, private systems - licensee in its initial license term with an interim performance requirement			

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.	
For a geographic license, private systems - licensee in its initial license term with no interim performance requirement	
Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.	
For a geographic license, private systems - licensee in any subsequent term	
Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.	
For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.	
Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.	
For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings	
Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.	
Discontinuance of Service Certification	
Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.	Yes
Regulatory Compliance Certification	
Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.	Yes

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Federal Communications Commission

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRWF637

File Number: 0010170298

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Universal Licensing System

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ULS Application

0010761275 - Trace-Tek

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LEASE INFO
LEASES
DATES
REVENUE

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

General Information

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

Licensee Information

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

Licensee Contact Information

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

Lessee Information

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

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

--

Lessee Contact Information

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

--

Lessee Qualifications and Ownership Information

Radio Service Type	
Regulatory Status	Interconnected

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

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

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EXHIBIT B

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



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615

CK ACTON KY-4161

417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

TENANT: CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS
"CK ACTON"



SCAN QR CODE FOR
DIRECTIONS TO SITE

DIRECTIONS

NEW 245' GUYED TOWER
w/ 5' LIGHTNING ROD
TOTAL TOWER HEIGHT 250'

TOWER OWNER SITE

CK ACTON
SITE #: 5000983628

VERIZON WIRELESS SITE

CK ACTON
PROJECT#: 17553840
MARKET ID: 234
MDG#: 5000983628

SITE ADDRESS

417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY
E911 ADDRESS: -----

TOWER OWNER

APC TOWERS
8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
CONTACT: JONATHAN GREENE
PHONE: 704-724-8382
E-MAIL: jgreene@apctowers.com

PROPERTY OWNER

MOSS TRISTA C & CORBIN
THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
CONTACT: THOMAS CORBIN
PHONE: 270-469-0018
E-MAIL: N/A

POLICE

CAMPBELLSVILLE POLICE DEPARTMENT
132 S CENTRAL AVE.
CAMPBELLSVILLE, KY 42718
PHONE: 270-465-4131

FIRE

CAMPBELLSVILLE FIRE DEPARTMENT
100 W BROADWAY ST.
CAMPBELLSVILLE, KY 42718
PHONE: 270-465-4122

GENERAL INFORMATION

LATITUDE - 37° 21' 09.59" N
LONGITUDE - 85° 14' 58.71" W
1983 (NAD83)

ELEVATION - 792.5' AMSL
1988 (NAVD88)

TOWER OWNER LEASE AREA

100' X 100'
(10,000 SF)

VERIZON WIRELESS LEASE AREA

500 SF

PROJECT TOTAL DISTURBED AREA

COMPOUND: (3,600 SF)=(0.08 ACRE)
ACCESS DRIVE: (1,745 SF)=(0.04 ACRE)
GROSS AREA: (5,345 SF)=(0.12 ACRE)

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

PROJECT SUMMARY



VICINITY MAP

PROJECT DESCRIPTION:

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

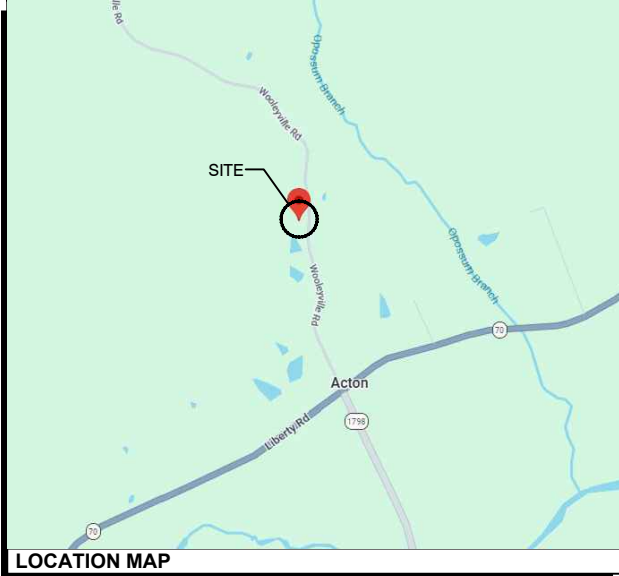
BITS COMPANY SCOPE:

- INSTALL A NEW 245' GUYED TOWER w/ CABLE SUPPORT AND FOUNDATION
- INSTALL A NEW TOWER FOUNDATION SYSTEM
- INSTALL A NEW 60' x 60' FENCED GRAVEL COMPOUND
- INSTALL A NEW ELECTRICAL SERVICE RUN TO NEW UTILITY H-FRAME
- INSTALL A NEW GRAVEL ACCESS DRIVE
- NO WATER OR SEWAGE SERVICES RUN TO SITE
- INSTALL NEW TOWER & SITE GROUNDING SYSTEM
- INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM
- INSTALL NEW VZW CONCRETE EQUIPMENT AND GENERATOR PADS
- INSTALL VZW ICE BRIDGE AND FOUNDATIONS
- INSTALL VZW EQUIPMENT H-FRAME AND FOUNDATIONS
- INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE STUB-UP TO UTILITY H-FRAME
- INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC STUB-UP LOCATION TO THE GENERATOR STUB-UP AT VZW EQUIPMENT PAD
- INSTALL 4" CONDUIT FOR FUTURE FIBER FROM COMMUNITY H-FRAME TO HAND HOLE AT COMPOUND AND FROM HAND HOLE AT COMPOUND TO R.O.W.
- INSTALL (2) 1-1/4" SMOOTHWALL SDR-11 HDPE FIBER OPTIC CONDUITS W/ PULL TAPES AND TRACER WIRE FROM "VERIZON WIRELESS ONLY" HAND HOLE OUTSIDE COMPOUND TO VZW EQUIPMENT PAD
- INSTALL (3) NEW "VERIZON WIRELESS ONLY" 1-1/4" SMOOTHWALL SDR-11 HDPE FIBER OPTIC CONDUITS WITH PULL TAPES AND TRACER WIRE FROM NEW "VERIZON WIRELESS ONLY" 24"x36" HAND HOLE OUTSIDE COMPOUND TO NEW "VERIZON WIRELESS ONLY" 24"x36" HAND HOLE AT R.O.W.
- PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY

VERIZON WIRELESS SCOPE (VZW GC):

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

PROJECT DESCRIPTION



LOCATION MAP

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

BUILDING CODE 2018 KENTUCKY BUILDING CODE (IBC 2015)
STRUCTURAL CODE TIA/EIA-222 - REVISION G (INCLUDES ADDENDUM #2)
MECHANICAL CODE 2015 INTERNATIONAL MECHANICAL CODE (IMC 2015)
PLUMBING CODE KENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)
ELECTRICAL CODE 2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
FIRE/LIFE SAFETY CODE 2015 INTERNATIONAL FIRE CODE (2015 IFC)
ENERGY CODE 2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
GAS CODE 2012 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS:

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

APPLICABLE CODES

SURVEYOR

BENCHMARK SERVICES
PHONE: 812-683-3049

ARCHITECTURAL

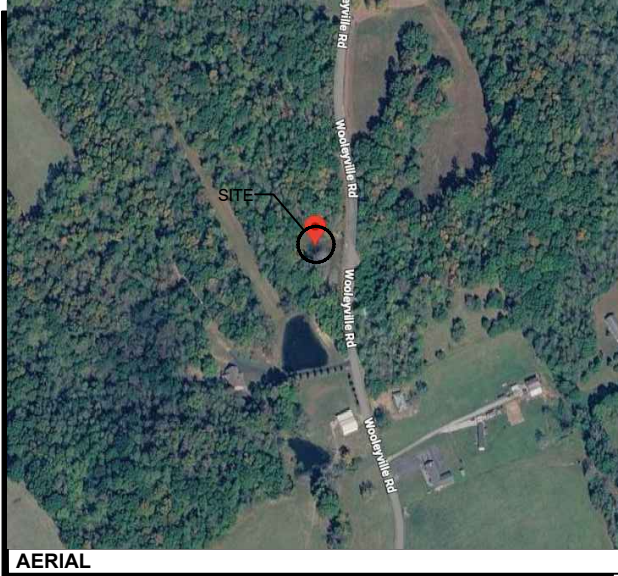
KIMLEY-HORN AND ASSOCIATES
500 EAST 96TH STREET
INDIANAPOLIS, IN 46240
CONTACT: JASON RIGGS
PHONE: 317-505-0681
EMAIL: jason.riggs@kimley-horn.com

ELECTRICAL

KENTUCKY POWER
PHONE: 800-572-1113

ELECTRICAL UTILITY COORDINATION
IS NOT FINALIZED, DO NOT PROCEED
WITH CONSTRUCTION.

CONSULTANT TEAM



AERIAL

SHEET NUMBER DESCRIPTION

T-1 ZD PROJECT INFORMATION, SITE MAPS, SHEET INDEX
SURVEY PLAN

CIVIL

C-0A 500' RADIUS & ADJOINERS MAP
C-0B 200' RADIUS & ADJOINERS MAP
C-1 OVERALL SITE PLAN AND UTILITY
C-2 GRADING PLAN
C-3 DETAILED SITE PLAN
C-4 DIMENSIONED SITE PLAN
C-5 DETAILED EQUIPMENT PAD PLAN
C-6 GENERAL SITE CONSTRUCTION NOTES
C-7 EROSION CONTROL DETAILS AND NOTES

SITE DETAILS

D-1 FENCE DETAILS AND NOTES
D-2 SITE DETAILS
D-3 EQUIPMENT PAD & CANOPY ELEVATIONS
D-4 SITE SIGNAGE

STRUCTURAL

S-1 EQUIPMENT FOUNDATION DETAILS AND NOTES
S-2 ICE BRIDGE PLAN AND DETAILS
S-3 FOUNDATION PLAN AND DETAILS

TOWER ELEVATION

TE-1 TOWER ELEVATION



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

REV	DATE	DESCRIPTION	BY
C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

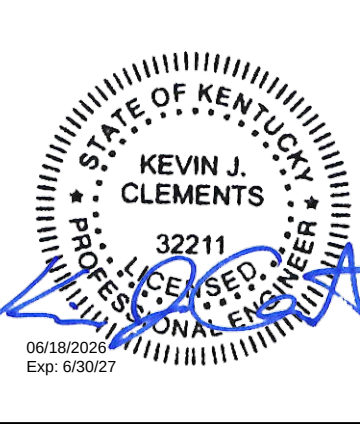
DRAWN BY: CHECKED BY:

GT GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1 ZD

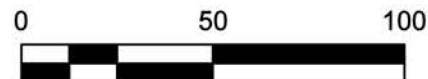
CENTER OF TOWER
COORDINATE POINT LOCATION
NAD 1983
LATITUDE: 37°21'09.59" N
(37.35266284)
LONGITUDE: 85°14'58.71" W
(-85.24964136)
NAVD 1988
ELEVATION 792.50 AMSL

GENERAL NOTES:
THE ACCESS & UTILITY EASEMENT TERMINATE AT THE CENTER OF THE
ROADWAY AND IS THE EAST PROPERTY LINE OF PARCEL 58-032.
THE LEASE AREA AND EASEMENT LIE ENTIRELY WITHIN THE PARENT
PARCEL.
AT THE TIME OF THE SURVEY, THERE WERE NO VISIBLE ENCROACHMENTS
LOCATED ON THE LEASE AREA OR EASEMENTS.



SCALE: 1"=50'
(11"x17" PLOT)

NORTH IS BASED ON INDIANA STATE PLANE
COORDINATE SYSTEM EAST ZONE AND WAS
DETERMINED BY COMPUTATION FROM G.P.S.
OBSERVATION ON JANUARY 12, 2026



UTILITIES
POWER COMPANY:
KENTUCKY POWER

TELEPHONE COMPANY:
A.T.&T.

FIRE JURISDICTION:
CAMPBELLSVILLE FIRE DEPT.
PHONE: (270) 465-4131

POLICE JURISDICTION:
CAMPBELLSVILLE POLICE DEPT.
PHONE: (270) 465-4122

LAND SURVEYOR'S CERTIFICATE

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

Ralph M. Wallem

RALPH M. WALLEM

PLS NO. IN LS S80040185

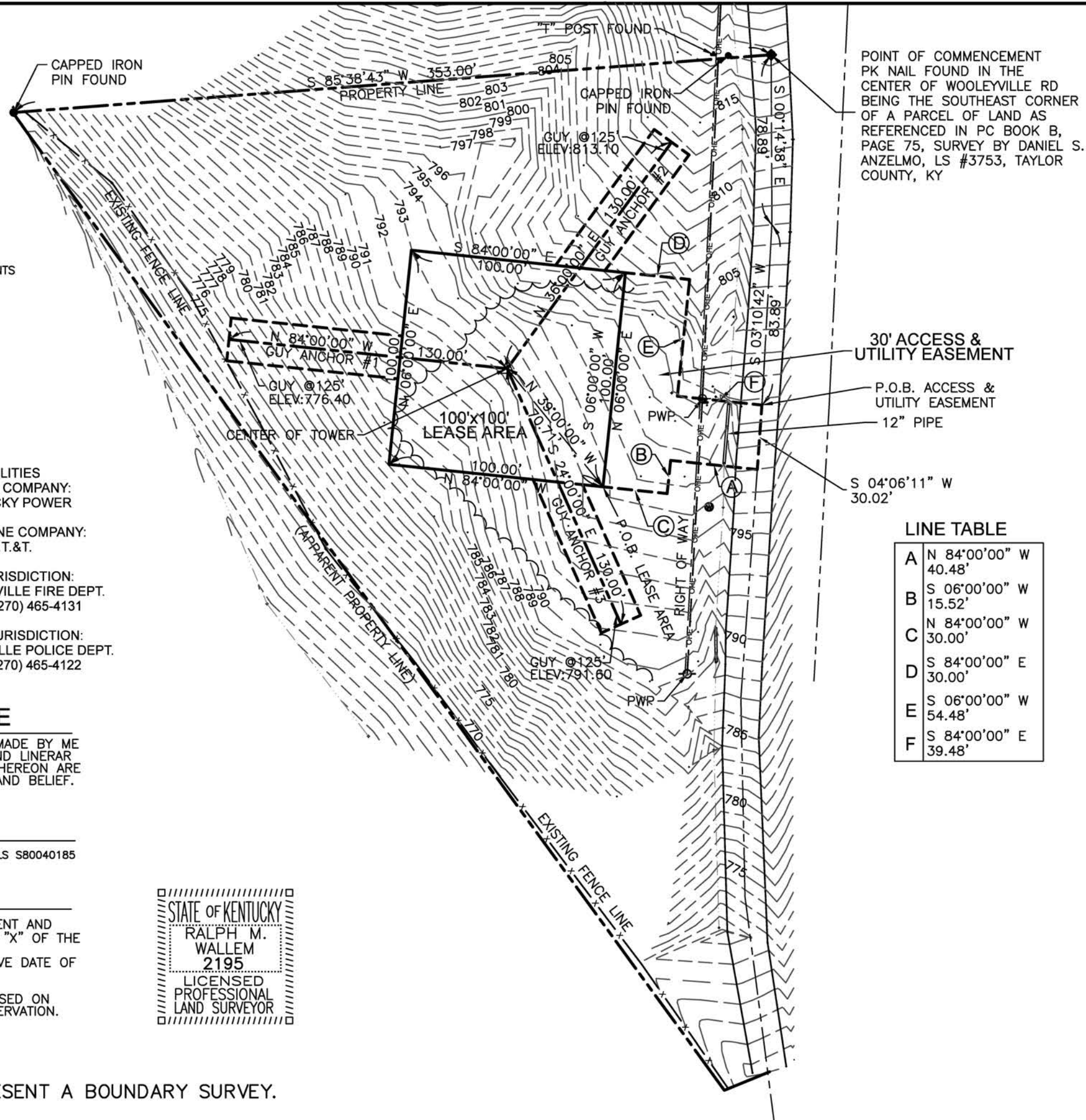
FLOOD DATA

THIS PROPERTY, LEASE AREA, ACCESS & UTILITY EASEMENT AND
GUY WIRE ANCHOR EASEMENTS APPEAR TO BE IN ZONE "X" OF THE
FLOOD INSURANCE RATE MAP, COMMUNITY PANELS NO.
21217C0180C, 21217C0160C, BOTH HAVING AN EFFECTIVE DATE OF
MAY 24, 2011.

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



NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.



POINT OF COMMENCEMENT
PK NAIL FOUND IN THE
CENTER OF WOOLEYVILLE RD
BEING THE SOUTHEAST CORNER
OF A PARCEL OF LAND AS
REFERENCED IN PC BOOK B,
PAGE 75, SURVEY BY DANIEL S.
ANZELMO, LS #3753, TAYLOR
COUNTY, KY

30' ACCESS &
UTILITY EASEMENT

P.O.B. ACCESS &
UTILITY EASEMENT
12" PIPE

S 04°06'11" W
30.02'

LINE TABLE

A	N 84°00'00" W 40.48'
B	S 06°00'00" W 15.52'
C	N 84°00'00" W 30.00'
D	S 84°00'00" E 30.00'
E	S 06°00'00" W 54.48'
F	S 84°00'00" E 39.48'

Kimley»Horn

500 EAST 96TH STREET
INDIANAPOLIS, IN 46240
PHONE: (317) 218-9560

APC Towers

8601 SIX FORKS ROAD
SUITE 250
RALEIGH, NC 27615

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

SITE ID:
US-KY-4161

SITE NAME:
CK ACTON

PARCEL ID NUMBER:
58-032

LANDOWNER:
MOSS TRISTA C &
CORBIN THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

SITE ADDRESS:
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718

LEASE AREA:
10000 SQ. FT.

DEED BOOK-PAGE
BOOK 356, PAGE 443

COUNTY:
TAYLOR COUNTY

LATITUDE: 37°21'09.59" N
LONGITUDE: 85°14'58.71" W

DWG BY: GVV
CHKD BY: RMW
DATE: 2.5.26

NO.	REVISION/ISSUE	DATE:
1.	REVIEW ITEMS	4.7.26

TITLE:
SURVEY PLAN

SHEET:
1 OF 2

TITLE COMMITMENT

Old Republic National Title Insurance Company
Loan ID Number: KY-4161
Commitment Number: 01-25062641-01T
Property Address: 417 WOOLEYVILLE RD. CAMPBELLSVILLE, KY 42718
Commitment Date: 11/14/2025 at 7:00 a.m.
Proposed Insured: APC TOWERS IV, LLC

The estate or interest in the Land at the Commitment Date is: Fee Simple
The Title is, at the Commitment Date, vested in: TRISTA CORBIN MOSS, MARRIED,
AND THOMAS BLAKE CORBIN, MARRIED and, as disclosed in the Public Records, has
been since 10/28/2025
The Land is described as follows: SEE ATTACHED EXHIBIT "A"

SURVEYOR CERTIFICATION

CERTIFY TO: OLD REPUBLICNATIONAL TITLE INSURANCE COMPANY & APC TOWERS IV, LLC

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

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

SCHEDULE "B" ITEMS

1. (NOT A SURVEYOR RELATED ITEM)

2. Facts Which Would Be Disclosed By A Comprehensive Survey Of The Premises Herein Described (BENCHMARK SERVICES , INC
WAS HIRED TO CREATE A LEASE AREA AND ACCESS & UTILITY EASEMENT. NO BOUNDARY SURVEY WAS PERFORMED).

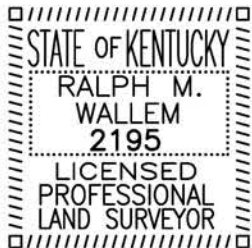
ITEMS 3 THRU 6 (NOT A SURVEYOR RELATED ITEM)

END OF SCHEDULE "B" ITEMS

Ralph M. Wallem

RALPH M. WALLEM

PLS NO. KY LS 2195



DESCRIPTION OF LEASE AREA

A PART OF A PARCEL OF LAND AS RECORDED IN DEED BOOK 456, PAGE 443, TAYLOR COUNTY, KENTUCKY AND MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL FOUND IN THE CENTER OF WOOLEYVILLE ROAD, SAID POINT BEING THE SOUTHEAST CORNER
OF A PARCEL OF LAND AS REFERENCED IN PC BOOK B, PAGE 75, SURVEY BY DANIEL S. ANZELMO, LS# 3753; THENCE
SOUTH 00 DEGREES 14 MINUTES 38 SECONDS EAST 78.89 FEET; THENCE SOUTH 03 DEGREES 10 MINUTES 42
SECONDS WEST 83.89 FEET; THENCE SOUTH 04 DEGREES 06 MINUTES 11 SECONDS WEST 30.02 FEET; THENCE NORTH
84 DEGREES 00 MINUTES 00 SECONDS WEST 40.48 FEET; THENCE SOUTH 06 DEGREES 00 MINUTES 00 SECONDS WEST
15.52 FEET; THENCE NORTH 84 DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE
CORNER AND BEING THE TRUE PLACE OF BEGINNING OF THIS DESCRIPTION; THENCE CONTINUING NORTH 84 DEGREES 00
MINUTES 00 SECONDS WEST 100.00 FEET; THENCE NORTH 06 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET;
THENCE SOUTH 84 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 06 DEGREES 00 MINUTES 00
SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, (0.23 ACRES),
MORE OR LESS.

DESCRIPTION OF NON-EXCLUSIVE 30' ACCESS & UTILITY EASEMENT

A PART OF A PARCEL OF LAND AS RECORDED IN DEED BOOK 456, PAGE 443, TAYLOR COUNTY, KENTUCKY AND MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL FOUND IN THE CENTER OF WOOLEYVILLE ROAD, SAID POINT BEING THE SOUTHEAST CORNER
OF A PARCEL OF LAND AS REFERENCED IN PC BOOK B, PAGE 75, SURVEY BY DANIEL S. ANZELMO, LS# 3753; THENCE
SOUTH 00 DEGREES 14 MINUTES 38 SECONDS EAST 78.89 FEET; THENCE SOUTH 03 DEGREES 10 MINUTES 42 SECONDS
WEST 83.89 FEET TO THE TRUE PLACE OF BEGINNING OF THIS ACCESS AND UTILITY EASEMENT DESCRIPTION THENCE
SOUTH 04 DEGREES 06 MINUTES 11 SECONDS WEST 30.02 FEET; THENCE NORTH 84 DEGREES 00 MINUTES 00 SECONDS
WEST 40.48 FEET; THENCE SOUTH 06 DEGREES 00 MINUTES 00 SECONDS WEST 15.52 FEET; THENCE NORTH 84
DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE CORNER; THENCE NORTH 06 DEGREES
00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 84 DEGREES 00 MINUTES 00 SECONDS EAST 30.00 FEET;
THENCE SOUTH 06 DEGREES 00 MINUTES 00 SECONDS WEST 54.48 FEET; THENCE SOUTH 84 DEGREES 00 MINUTES 00
SECONDS EAST 39.48 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 4199 SQUARE FEET, (0.10 ACRES),
MORE OR LESS.

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

DESCRIPTION OF 20' GUY WIRE #1 EASEMENT

A PART OF A PARCEL OF LAND AS RECORDED IN DEED BOOK 456, PAGE 443, TAYLOR COUNTY, KENTUCKY AND MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL FOUND IN THE CENTER OF WOOLEYVILLE ROAD, SAID POINT BEING THE SOUTHEAST CORNER
OF A PARCEL OF LAND AS REFERENCED IN PC BOOK B, PAGE 75, SURVEY BY DANIEL S. ANZELMO, LS# 3753; THENCE
SOUTH 00 DEGREES 14 MINUTES 38 SECONDS EAST 78.89 FEET; THENCE SOUTH 03 DEGREES 10 MINUTES 42 SECONDS
WEST 83.89 FEET; THENCE SOUTH 04 DEGREES 06 MINUTES 11 SECONDS WEST 30.02 FEET; THENCE NORTH 84
DEGREES 00 MINUTES 00 SECONDS WEST 40.48 FEET; THENCE SOUTH 06 DEGREES 00 MINUTES 00 SECONDS WEST
15.52 FEET; THENCE NORTH 84 DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE
CORNER; THENCE NORTH 39 DEGREES 00 MINUTES 00 SECONDS WEST 70.71 FEET TO THE CENTER OF TOWER; THENCE
ON AN ALONG A LINE 10 FEET ON BOTH SIDES OF THE FOLLOWING DESCRIBED LINE BEARING NORTH 84 DEGREES 00
MINUTES 00 SECONDS WEST 130.00 FEET TO THE TERMINUS. THE SIDELINES SHALL BE LENGTHENED OR SHORTENED TO
TERMINATE IN THE LEASE LINE.

DESCRIPTION OF 20' GUY WIRE #2 EASEMENT

A PART OF A PARCEL OF LAND AS RECORDED IN DEED BOOK 456, PAGE 443, TAYLOR COUNTY, KENTUCKY AND MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL FOUND IN THE CENTER OF WOOLEYVILLE ROAD, SAID POINT BEING THE SOUTHEAST CORNER
OF A PARCEL OF LAND AS REFERENCED IN PC BOOK B, PAGE 75, SURVEY BY DANIEL S. ANZELMO, LS# 3753; THENCE
SOUTH 00 DEGREES 14 MINUTES 38 SECONDS EAST 78.89 FEET; THENCE SOUTH 03 DEGREES 10 MINUTES 42 SECONDS
WEST 83.89 FEET; THENCE SOUTH 04 DEGREES 06 MINUTES 11 SECONDS WEST 30.02 FEET; THENCE NORTH 84
DEGREES 00 MINUTES 00 SECONDS WEST 40.48 FEET; THENCE SOUTH 06 DEGREES 00 MINUTES 00 SECONDS WEST
15.52 FEET; THENCE NORTH 84 DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE
CORNER; THENCE NORTH 39 DEGREES 00 MINUTES 00 SECONDS WEST 70.71 FEET TO THE CENTER OF TOWER; THENCE
ON AN ALONG A LINE 10 FEET ON BOTH SIDES OF THE FOLLOWING DESCRIBED LINE BEARING NORTH 36 DEGREES 00
MINUTES 00 SECONDS WEST 130.00 FEET TO THE TERMINUS. THE SIDELINES SHALL BE LENGTHENED OR SHORTENED TO
TERMINATE IN THE LEASE LINE.

DESCRIPTION OF 20' GUY WIRE #3 EASEMENT

A PART OF A PARCEL OF LAND AS RECORDED IN DEED BOOK 456, PAGE 443, TAYLOR COUNTY, KENTUCKY AND MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL FOUND IN THE CENTER OF WOOLEYVILLE ROAD, SAID POINT BEING THE SOUTHEAST CORNER
OF A PARCEL OF LAND AS REFERENCED IN PC BOOK B, PAGE 75, SURVEY BY DANIEL S. ANZELMO, LS# 3753; THENCE
SOUTH 00 DEGREES 14 MINUTES 38 SECONDS EAST 78.89 FEET; THENCE SOUTH 03 DEGREES 10 MINUTES 42
SECONDS WEST 83.89 FEET; THENCE SOUTH 04 DEGREES 06 MINUTES 11 SECONDS WEST 30.02 FEET; THENCE NORTH
84 DEGREES 00 MINUTES 00 SECONDS WEST 40.48 FEET; THENCE SOUTH 06 DEGREES 00 MINUTES 00 SECONDS WEST
15.52 FEET; THENCE NORTH 84 DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET TO THE SOUTHEAST LEASE
CORNER; THENCE NORTH 39 DEGREES 00 MINUTES 00 SECONDS WEST 70.71 FEET TO THE CENTER OF TOWER; THENCE
ON AN ALONG A LINE 10 FEET ON BOTH SIDES OF THE FOLLOWING DESCRIBED LINE BEARING SOUTH 24 DEGREES 00
MINUTES 00 SECONDS WEST 130.00 FEET TO THE TERMINUS. THE SIDELINES SHALL BE LENGTHENED OR SHORTENED TO
TERMINATE IN THE LEASE LINE.

Kimley»Horn

500 EAST 96TH STREET
INDIANAPOLIS, IN 46240
PHONE: (317) 218-9560

APC Towers

8601SIX FORKS ROAD
SUITE 250
RALEIGH, NC 27615

BENCHMARK
SERVICES, INC.
Consulting Engineers
Land Surveyors

318 North Main Street
Huntingburg, IN 47542
(812) 683-3049
benchmark@mw.twcbc.com

SITE ID:

US-KY-4161

SITE NAME:

CK ACTON

PARCEL ID NUMBER:

58-032

LANDOWNER:

MOSS TRISTA C &
CORBIN THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

SITE ADDRESS:

417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718

LEASE AREA:

10000 SQ. FT.

DEED BOOK-PAGE

BOOK 356, PAGE 443

COUNTY:

TAYLOR COUNTY

LATITUDE: 37°21'09.59" N

LONGITUDE: 85°14'58.71" W

DWG BY:	CHKD BY:	DATE:
GVW	RMW	2.5.26

NO.	REVISION/ISSUE	DATE:
1.	REVIEW ITEMS	4.7.26

TITLE:

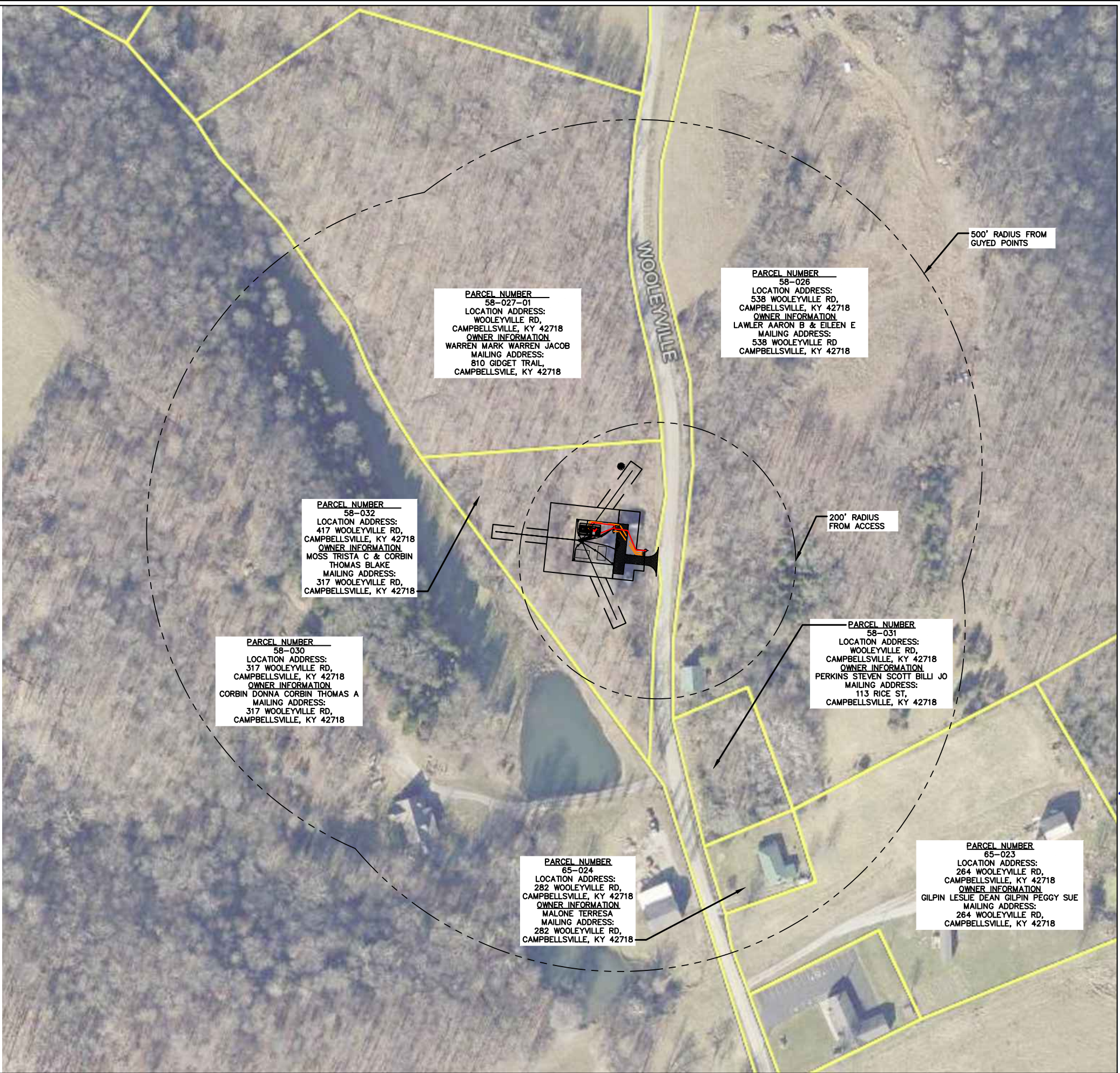
SURVEY PLAN

SHEET:

2 OF 2

APWA UTILITY COLOR CODES

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



PARCEL NUMBER
58-027-01
LOCATION ADDRESS:
WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
WARREN MARK WARREN JACOB
MAILING ADDRESS:
810 GIDGET TRAIL,
CAMPBELLSVILLE, KY 42718

PARCEL NUMBER
58-026
LOCATION ADDRESS:
538 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
LAWLER AARON B & EILEEN E
MAILING ADDRESS:
538 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718

PARCEL NUMBER
58-032
LOCATION ADDRESS:
417 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
MOSS TRISTA C & CORBIN
THOMAS BLAKE
MAILING ADDRESS:
317 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718

PARCEL NUMBER
58-030
LOCATION ADDRESS:
317 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
CORBIN DONNA CORBIN THOMAS A
MAILING ADDRESS:
317 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718

PARCEL NUMBER
58-031
LOCATION ADDRESS:
WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
PERKINS STEVEN SCOTT BILLI JO
MAILING ADDRESS:
113 RICE ST,
CAMPBELLSVILLE, KY 42718

PARCEL NUMBER
65-024
LOCATION ADDRESS:
282 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
MALONE TERRESA
MAILING ADDRESS:
282 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718

PARCEL NUMBER
65-023
LOCATION ADDRESS:
264 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718
OWNER INFORMATION
GILPIN LESJUE DEAN GILPIN PEGGY SUE
MAILING ADDRESS:
264 WOOLEYVILLE RD,
CAMPBELLSVILLE, KY 42718



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

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

GRAPHIC SCALE



OVERALL SITE PLAN

SCALE: 1" = 150'



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

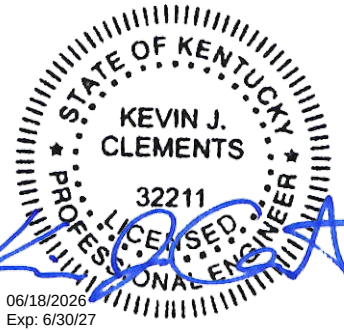
DRAWN BY: CHECKED BY:

GT GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

500' RADIUS &
ADJOINERS MAP

SHEET NUMBER:

C-0A

APWA UTILITY COLOR CODES

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



PARCEL NUMBER
58-027-01
LOCATION ADDRESS:
WOOLEYVILLE RD,
CAMPBELLVILLE, KY 42718
OWNER INFORMATION
WARREN MARK WARREN JACOB
MAILING ADDRESS:
810 GIDGET TRAIL,
CAMPBELLVILLE, KY 42718

PARCEL NUMBER
58-032
LOCATION ADDRESS:
417 WOOLEYVILLE RD,
CAMPBELLVILLE, KY 42718
OWNER INFORMATION
MOSS TRISTA C & CORBIN
THOMAS BLAKE
MAILING ADDRESS:
317 WOOLEYVILLE RD,
CAMPBELLVILLE, KY 42718

PARCEL NUMBER
58-026
LOCATION ADDRESS:
538 WOOLEYVILLE RD,
CAMPBELLVILLE, KY 42718
OWNER INFORMATION
LAWLER AARON B & EILEEN E
MAILING ADDRESS:
538 WOOLEYVILLE RD
CAMPBELLVILLE, KY 42718

PARCEL NUMBER
58-030
LOCATION ADDRESS:
317 WOOLEYVILLE RD,
CAMPBELLVILLE, KY 42718
OWNER INFORMATION
CORBIN DONNA CORBIN THOMAS A
MAILING ADDRESS:
317 WOOLEYVILLE RD,
CAMPBELLVILLE, KY 42718

LEGEND:

- EXISTING CONTOUR
- PROPOSED CONTOUR
- LOD/SILT FENCE
- UNDERGROUND TELEPHONE CONDUIT
- UNDERGROUND ELECTRICAL CONDUIT
- EDGE OF NEW DRIVE
- LEASE AREA/EASEMENT
- OVERHEAD UTILITY LINE
- NEW FENCE LINE
- IRON PIN
- CONCRETE
- ACCESS DRIVE



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

DRAWN BY: CHECKED BY:

GT	GP
----	----

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

200' RADIUS &
ADJOINERS MAP

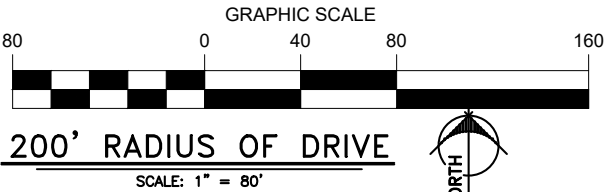
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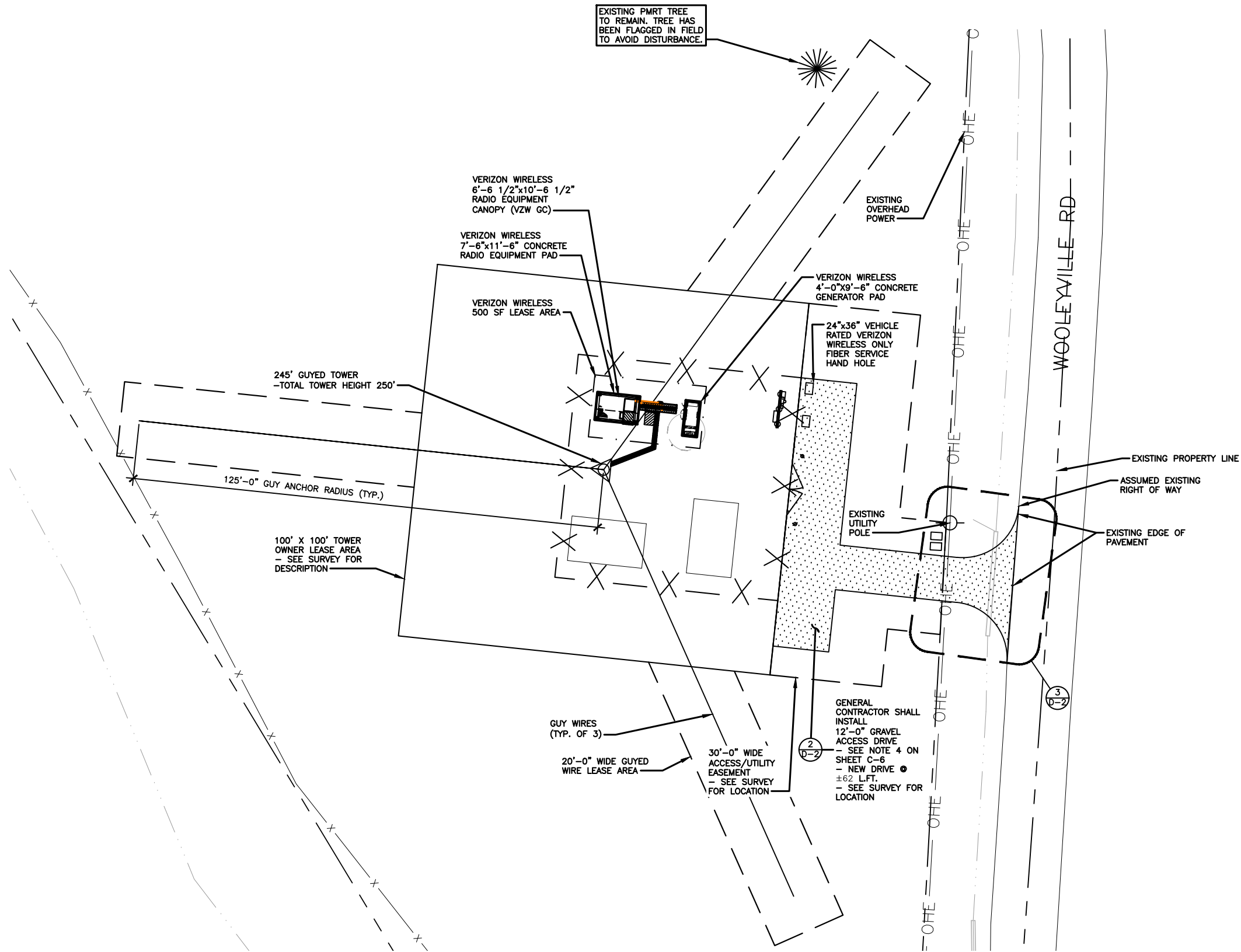
C-0B



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

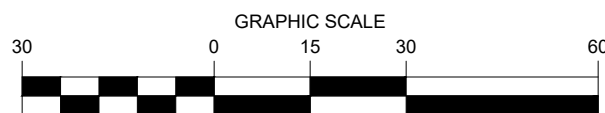
PER KENTUCKY STATE LAW, IT IS AGAINST THE
LAW TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.





Know what's below.
Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007

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



OVERALL SITE PLAN w/AERIAL OVERLAY

SCALE: 1" = 30'



APWA UTILITY COLOR CODES

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



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

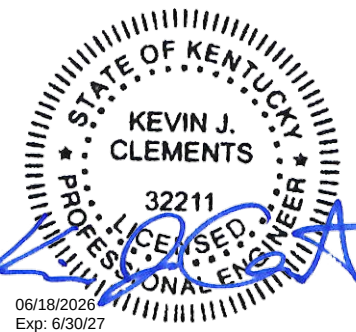
DRAWN BY: CHECKED BY:

GT GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

OVERALL SITE PLAN AND UTILITY PLAN

SHEET NUMBER:

C-1

NOTE:
KIMLEY-HORN DID NOT PROVIDE A GRADING DESIGN
FOR THIS PROJECT AND CONTRACTOR MUST GRADE
SITE TO INDUSTRY STANDARDS AND ALL APPLICABLE
ADA, AND JURISDICTIONAL REQUIREMENTS.

TOWER OWNER REQUIREMENTS

MAX RUNNING SLOPE ON DRIVEWAY	PER APC
MAX CROSS SLOPE ON DRIVEWAY	PER APC
MAX COMPOUND SLOPE	PER APC
MINIMUM SLOPES	1.00%
MAX SLOPES	25% WITHOUT STABILIZATION, 33% WITH STABILIZATION

LEGEND:

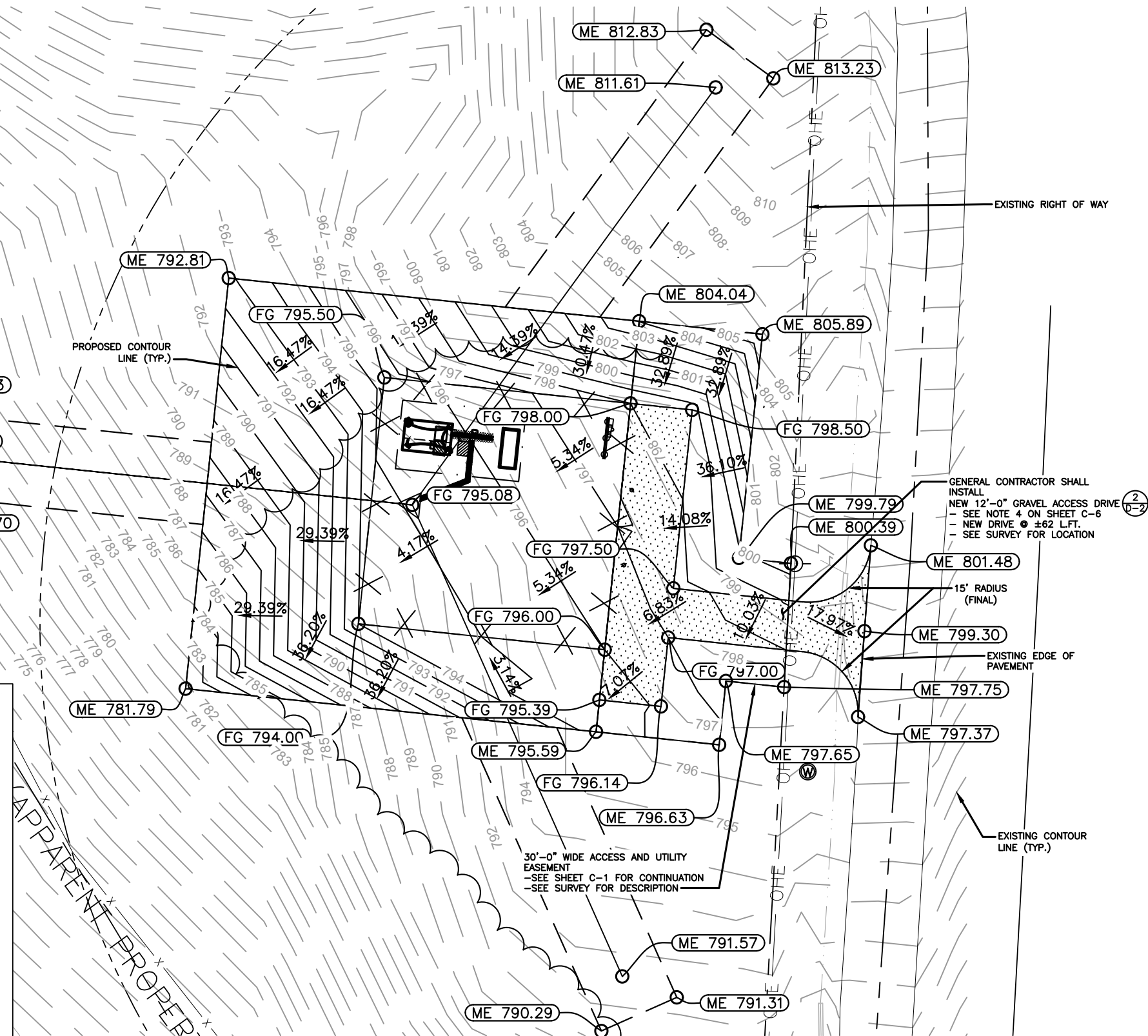
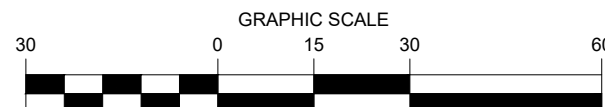
EXISTING CONTOUR	---
PROPOSED CONTOUR	---
PROPOSED ELEVATION	(XXX.XX)
MATCH EXISTING ELEVATION	(ME XXX.XX)
TOP OF CURB ELEVATION	(TC XXX.XX)
FLOW LINE ELEVATION	(FL XXX.XX)
PROPOSED SLOPE ARROW	X.X%
LOD/SILT FENCE	---
UNDERGROUND TELEPHONE CONDUIT	---
UNDERGROUND ELECTRICAL CONDUIT	---
EDGE OF NEW DRIVE	---
LEASE AREA/EASEMENT	---
OVERHEAD UTILITY LINE	---
NEW FENCE LINE	X-X-X-X
IRON PIN	●
CONCRETE	■
ACCESS DRIVE	■



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

GRADING AND E&S CONTROL PLAN

SCALE: 1" = 30'





100' X 100' TOWER
OWNER LEASE AREA
- SEE SURVEY FOR
DESCRIPTION

GPS ANTENNAS
- FURNISHED BY VERIZON
- INSTALLED BY (VZW GC)
- ATTACHED TO ICE BRIDGE POST
W/ GALVANIZED MOUNTING HARDWARE
VERIZON WIRELESS 6'-6 1/2"x10'-6 1/2"
RADIO EQUIPMENT CANOPY
(CANOPY DWGS. SUPPLIED BY
MANUFACTURER) (VZW GC)
- COMMSCOPE P/N 860676982-001
VERIZON WIRELESS
7'-6"x11'-6" CONCRETE
RADIO EQUIPMENT PAD
VERIZON WIRELESS
500 SF LEASE AREA
6'-0" TALL CHAIN LINK
FENCE WITH 1'-0" BARB
WIRE ON TOP
- 240 L.F.

245' GUYED TOWER
- TOTAL TOWER HEIGHT 250'

GUY WIRES
(TYP. OF 3)

(4)
E-5

(2)
D-1

(1)
G-5

(1)
S-2

(B) CANOPY ICE BRIDGE &
FOUNDATIONS (10'-0")

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

VERIZON WIRELESS STANDBY
GENERATOR ON CONCRETE PAD

(2) (3)
E-2 E-2
POWER & TELCO METER
BOARD STRUCTURE

24"x36" VEHICLE RATED
VERIZON WIRELESS
ONLY FIBER SERVICE
HAND HOLE

GENERAL CONTRACTOR SHALL
INSTALL
12'-0" GRAVEL ACCESS DRIVE
- SEE NOTE 4 ON SHEET C-6
- NEW DRIVE @ ±62 L.F.
- SEE SURVEY FOR LOCATION

(4)
D-1
GATE KEEPER
(TYP. OF 2)

(1)
D-1
14'-0" WIDE
ACCESS GATE

EXISTING
OVERHEAD
POWER

EXISTING
UTILITY POLE

FUTURE

FUTURE

20'-0" WIDE GUYED WIRE EASEMENT
- SEE SURVEY FOR LOCATION

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

DETAILED SITE PLAN

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



LEGEND

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

FENCED COMPOUND
CONCRETE
ACCESS DRIVE

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

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



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

REV	DATE	DESCRIPTION	BY
C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

DRAWN BY: CHECKED BY:

GT GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:

STATE OF KENTUCKY
KEVIN J. CLEMENTS
32211
PROFESSIONAL ENGINEER
06/18/2026
Exp: 6/30/27

PROJECT INFORMATION:

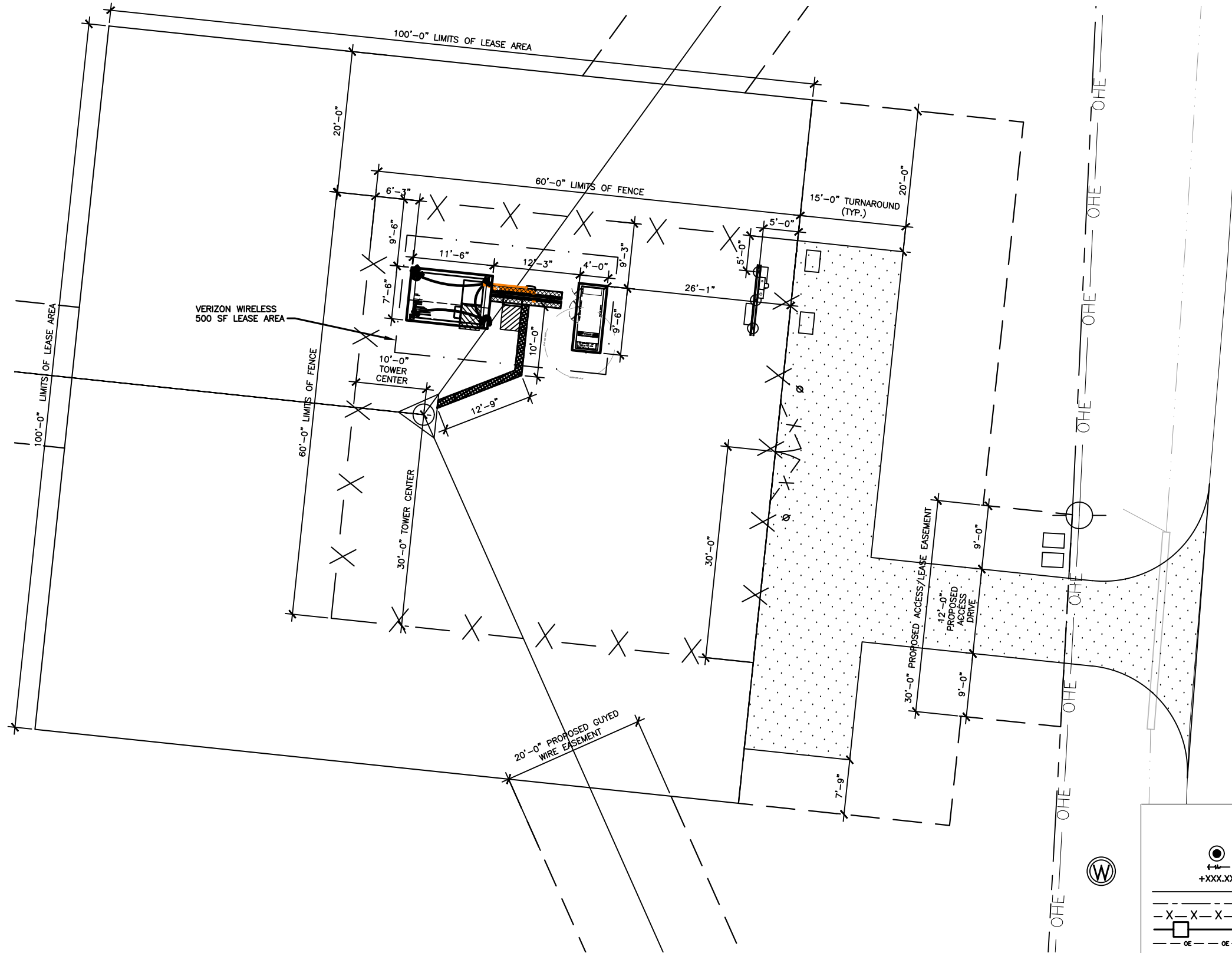
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

DETAILED SITE PLAN

SHEET NUMBER:

C-3



DIMENSIONED SITE PLAN

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



LEGEND

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



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
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INDIANAPOLIS, IN 46240

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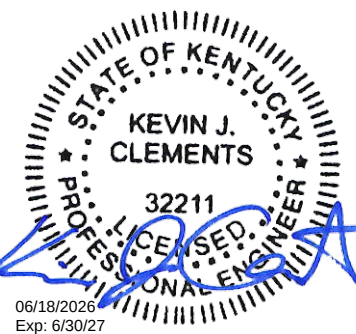
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GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

DIMENSIONED
SITE PLAN

SHEET NUMBER:

C-4

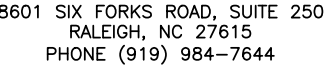


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1-800-752-6007

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*NOTE:
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THE STAKED LEASE AREA WITHOUT
APPROVAL FROM VERIZON WIRELESS
CONSTRUCTION MANAGER



PLANS PREPARED BY:

500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

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A	02/25/26	ISSUED FOR ZONING	GT

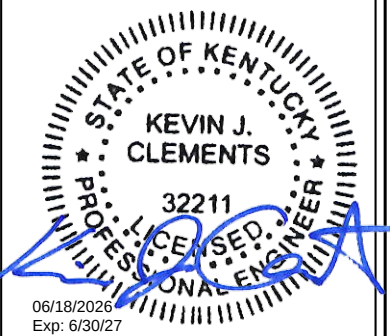
DRAWN BY: _____ CHECKED BY: _____

GT	GP
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KHA PROJECT NUMBER: _____

180047007.1.102

ENGINEER SEAL: _____



PROJECT INFORMATION:

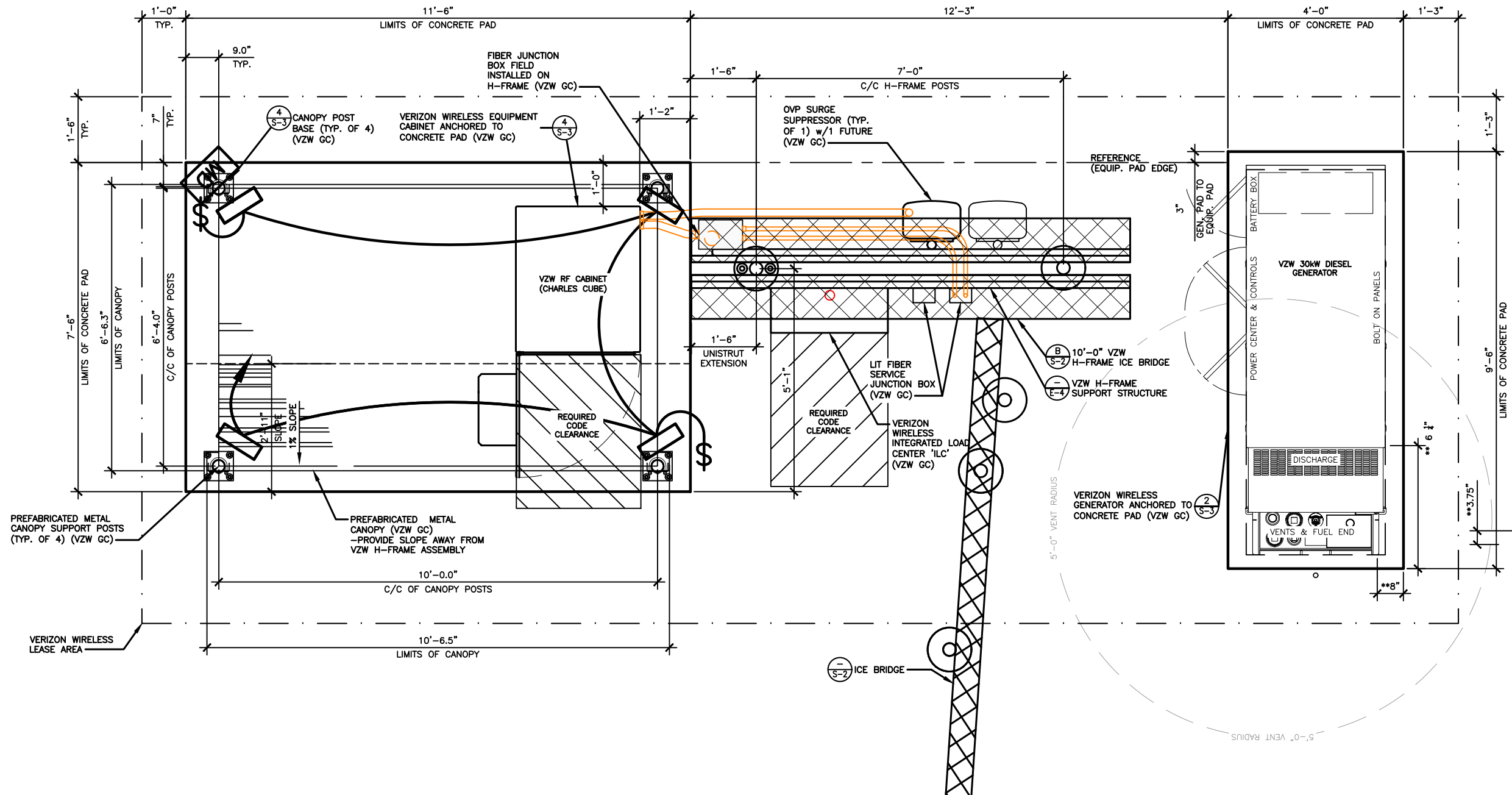
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE: _____

DETAILED VZW EQUIPMENT PLAN

SHEET NUMBER: _____

C-5



SCALE: $3/8" = 1'-0"$



Know what's **below.**
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Call Monday thru Friday - 7 am. to 6 pm.

1-800-752-6007

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UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

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

GENERAL SITE CONSTRUCTION NOTES

1. SCHEDULE:

THE CONSTRUCTION OF THE SITE REQUIRES A CERTAIN SEQUENCE OF EVENTS TO MINIMIZE CONSTRUCTION TIME REQUIRED UNTIL AVAILABILITY OF CELLULAR TELEPHONE SERVICE. VERIFY SCHEDULE DURING BID WALK.

2. TOWER OWNER REPRESENTATIVE:

APC TOWERS
22 W ATLANTIC AVE, SUITE 310
DELRAY BEACH, FL 33444
CONTACT: DAN WHITE
PHONE: 515-205-0037
E-MAIL: Dan.White@verticalbridge.com

PROPERTY OWNER REPRESENTATIVE:

MOSS TRISTA C & CORBIN THOMAS BLAKE
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
CONTACT: THOMAS CORBIN
PHONE: 270-469-0018
E-MAIL: N/A

3. ANTENNA INSTALLATION:

THE VERIZON WIRELESS CONTRACTOR (VZW GC) INSTALLING THE FRAME/PLATFORM SHALL ENSURE THAT THE PLATFORM IS ALIGNED BASED ON THE VERIZON WIRELESS RF PLAN. DURING THIS WORK, THE GENERAL CONTRACTOR SHALL BE LIMITED TO THE WORK WHICH CAN BE PERFORMED OUTSIDE THE VICINITY OF THE TOWER.

4. ACCESS DRIVEWAY:

THE GENERAL CONTRACTOR SHALL CONSTRUCT THE ACCESS DRIVE PER THE ALIGNMENT AS SHOWN ON THESE DRAWINGS. IF ANY AREA OF CONSTRUCTION REQUIRES ADDITIONAL FILL OF AGGREGATE STONE THAN SHOWN ON THE DRAWINGS, THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER FOR APPROVAL OF THE SIZE, TYPE AND QUANTITY OF STONE/FILL NECESSARY AND SHALL NOT BE USED UNTIL APPROVAL BY THE ENGINEER. THE GENERAL CONTRACTOR SHALL ALSO OBTAIN DRIVE PERMIT FOR NEW ACCESS DRIVE.

5. PREFABRICATED EQUIPMENT CABINETS, CANOPY AND GENERATOR:

THIS VERIZON WIRELESS CONTRACTOR (VZW GC) SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS FOR THE PROPER LIFTING, TRANSPORTING AND ASSEMBLY OF THE PREFABRICATED EQUIPMENT CANOPY FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION. THE EQUIPMENT CABINETS SHALL BE LIFTED INTO PLACE ON THE CONCRETE EQUIPMENT PAD. THE GENERATOR SHALL BE LIFTED INTO PLACE BY USING TWO SPREADER BAR ASSEMBLIES. EACH SPREADER BAR SHALL BE A MINIMUM 3' WIDE (RATED TO CARRY 3 TONS). THE GENERATOR WEIGHT IS 1,425# WITH TANK PEDESTAL. VERIZON WIRELESS CONTRACTOR (VZW GC) SHALL ANCHOR THE EQUIPMENT CABINETS AND GENERATOR BASE TO THE CONCRETE SLAB USING ANCHOR BOLTS. EXTREME CAUTION SHALL BE TAKEN IN THE INSTALLATION OF ALL EQUIPMENT TO AVOID CONTACT WITH EXISTING OVERHEAD UTILITY LINES.

THE VERIZON WIRELESS CONTRACTOR (VZW GC) IS RESPONSIBLE FOR ATTACHING, SECURING OR ASSEMBLING ANY ACCESSORY OR LOOSE ITEMS THAT ARE SHIPPED WITH THE PREFABRICATED EQUIPMENT CABINETS, CANOPY AND GENERATOR AND SHALL INCLUDE THIS WORK IN THE VZW EQUIPMENT INSTALLATION PORTION OF THE BID.

6. UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION AND PROPER BACKFILLING OF TRENCHES AND SUPPLY CONDUIT REQUIRED FOR UNDERGROUND TELEPHONE & ELECTRICAL UTILITIES. ALL TRENCHING SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE W/ASTM D-1557.

THE TOWER OWNER SHALL ENSURE PERMANENT ELECTRIC POWER IS AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED TO VERIZON WIRELESS AS TENANT READY.

THE VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL RUN ELECTRICAL CONDUCTORS FROM NEW METER CENTER TO NEW VZW INTEGRATED LOAD CENTER WITHIN TOWER OWNER INSTALLED 2 1/2" CONDUIT CONTACT ELECTRIC PROVIDER TO HAVE NEW METER INSTALLED.

THE VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR THE ORDERING AND COORDINATING THE DELIVERY OF A FIBER OPTIC SERVICE LINE TO THE RADIO EQUIPMENT ENCLOSURE. COORDINATE WITH THE FIBER PROVIDER AND THE VERIZON WIRELESS FACILITY ENGINEER.

- ONE 4" SCH40 PVC FIBER CONDUIT w/(3) 1" HDPE INNERDUCTS AND PULLTAPES SHALL BE INSTALLED FROM HANDHOLE OUTSIDE COMPOUND MEET POINT AT THE PUBLIC RIGHT-OF-WAY WITHIN UTILITY EASEMENT WITH PULL TAPE THE HANDHOLE MODEL AS FOLLOWS:
 - THE VERIZON FIBER CONDUIT HANDHOLES SHALL BE OLDCASTLE INFRASTRUCTURE MODEL 24361480 PC2436-30 T22 - VERIZON LOGO OR QUAZITE/HUBBELL POWER SYSTEMS MODEL PG2436Z1857B4 ASSY T22 SW OB 24x36x30 VERIZON V, OR APPROVED EQUALS. ALTERNATIVE HANDHOLES MAY BE USED IF MEETING THE DESIGNATED LOADING AND HAVING DIMENSIONS OF AT LEAST 2'x3'x2.5'. ALL VERIZON HANDHOLES TO HAVE "VERIZON" LOGO ON COVER.
 - THE GENERAL USE FIBER CONDUIT HANDHOLE SHALL BE A MODEL AS APPROVED BY THE CONSTRUCTION MANAGER.
- CONTRACTOR SHALL PLACE ADDITIONAL HANDHOLES ALONG ROUTE, AS NECESSARY, SO THAT SPACING BETWEEN HANDHOLES IS NO GREATER THAN 500 FEET.
- CONTRACTOR SHALL PLACE (1) COPPERHEAD INDUSTRIES ORANGE TRACER WIRE (PART NO. 1230N-HS) OR APPROVED EQUIVALENT ABOVE PROPOSED FIBER CONDUIT(S)
- ONE 4" SCH40 PVC FIBER CONDUIT w/(3) 1" HDPE INNERDUCTS AND PULLTAPES SHALL BE INSTALLED FROM VERIZON WIRELESS ONLY HANDHOLE OUTSIDE COMPOUND TO VERIZON WIRELESS EQUIPMENT PAD LOCATION (PER PLANS)

ELECTRIC SERVICE PROVIDED BY:

KENTUCKY POWER
PHONE: 800-572-1113

FIBER OPTIC SERVICE PROVIDED BY:

FIBER PROVIDER TO BE
DETERMINED BY VERIZON
WIRELESS

7. SITE GRADING

A. UNIFORMLY GRADE AREA TO BE SMOOTH SURFACE FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTION, TOPO LINES AND ELEVATIONS INDICATED.

1. COMPOUND SURFACE GRADES ARE TO BE SLOPED TO DIRECT WATER AWAY FROM EQUIPMENT PAD AND TOWER TO PREVENT STANDING AND PONDING WATER.

2. COMPOUND SURFACE SHALL BE COMPACTED TO A 95% MAXIMUM DRY DENSITY TO ALLOW PROPER STERILIZATION FOR ACCESS TO ALL CUSTOMERS DENSITY TESTING MAY BE REQUIRED AT VERIZON WIRELESS' DISCRETION DUE TO QUESTIONABLE COMPACTION OF FINISH SURFACE GRADE OR SUB-GRADE.

3. DITCHES/SWALES AROUND THE COMPOUND AREA AND ALONG ACCESS ROAD SHALL BE CONSTRUCTED SO TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING GRADES/SLOPE AND NEW PROPOSED GRADES.

4. SITE GRADING AND DRAINAGE SHOULD BE CONSTRUCTED TO PREVENT WATER FROM ENTERING THE COMPOUND SURFACE OR THE ACCESS ROAD SUB-GRADE.

B. MOISTURE CONTROL - UNIFORMLY MOISTEN OR AERATE SUB-GRADE AND EACH SUBSEQUENT FILL OR BACK FILL LAYER BEFORE COMPACTION TO WITHIN 90% OF OPTIMUM MOISTURE CONTENT. DO NOT PLACE BACK FILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST, SNOW OR ICE.

C. STOCKPILING MATERIAL (TOP SOIL OR FILL DIRT) - SHOULD BE PLACED IN AN AREA THAT CAN BE CONTROLLED TO PREVENT WATER, SNOW, OR ICE FROM EFFECTING MOISTURE CONTENT. STOCKPILES MAY HAVE TO BE COVERED TO PREVENT ADDITIONAL MOISTURE FROM ACCUMULATING SO ACCEPTABLE FILL CAN BE USED.

D. DE-WATERING - PREVENT SURFACE WATER AND SUBSURFACE OR GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUB-GRADE, AND FROM FLOODING PROJECT OR BUILD AREA.

E. EROSION CONTROL - MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

1. ALL INLETS, DRAINS, PIPES, SWELLS, AND ROADS SHALL BE KEPT CLEAN AND FREE OF DIRT AND SILT.

F. GEOTEXTILE FABRIC - AFTER PLACEMENT AND COMPACTION OF FILL WITHIN THE WORK AREA AND BEFORE THE PLACEMENT OF LIMESTONE AGGREGATE, (SEE SITE AREA SURFACING DETAIL ON D-1), THE ENTIRE DISTURBED WORK AREA SHALL BE COVERED WITH A GEOTEXTILE FABRIC. THIS FABRIC SHALL BE "TENCATE (MIRAFI 500X) WOVEN ENGINEERING FABRIC" INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.

8. TRASH REMOVAL & SANITATION:

THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL REMOVE ALL TRASH AS CREATED BY THEMSELVES AND THEIR SUBCONTRACTORS. TRASH SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO A LEGAL DISPOSAL AREA. THE GENERAL CONTRACTOR SHALL ALSO REMOVE ALL TRASH CREATED BY OTHER CONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. NO BURNING OR BURYING OF TRASH IS PERMITTED.

THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A PORTABLE TOILET FOR THE DURATION OF THE CONSTRUCTION PROJECT.

A. THE GENERAL CONTRACTOR SHALL VERIFY THE EQUIPMENT PAD FOUNDATION IS LOCATED CORRECTLY WITH RESPECT TO THE TOWER FOUNDATION. THE CONTRACTOR MUST NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO POURING CONCRETE.

B. TOWER & FOUNDATION DESIGN ARE BY OTHERS FOR TOWER OWNER. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY IN WRITING FROM TOWER OWNER THAT THE TOWER IS STRUCTURALLY SUFFICIENT TO SUPPORT ALL LOADINGS AS OUTLINED IN THESE DOCUMENTS. TOWER AND FOUNDATION DESIGN SHALL BE PERFORMED BY A LICENSED ENGINEER.

C. THE GENERAL CONTRACTOR SHALL VERIFY THE TOP OF FOUNDATION MATCHES THE FAA APPROVAL LETTER.

10. EXCAVATION OF UTILITIES:

A. FIELD VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING IN THE VICINITY OF THE SITE. ALL EXCAVATIONS SHALL BE MADE BY HAND OVER OR UNDER OR IMMEDIATELY ADJACENT TO ANY EXISTING UTILITIES & GROUNDING.

B. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ON THIS PROJECT. CONTACT UNDERGROUND UTILITY PROTECTION SERVICE BEFORE YOU DIG AT 1-800-382-5544 OR 811.

C. EXISTING UTILITIES ARE SHOWN FROM THE SURVEY AND ARE NOT NECESSARILY COMPLETE AND ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE AND DETERMINE IF CONFLICTS EXIST WITH THE NEW IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER (A&E FIRM) IN ORDER TO RESOLVE ANY CONFLICTS.

11. CONTRACTOR'S LICENSE:

THE GENERAL CONTRACTOR, VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) AND ALL OF THEIR SUBCONTRACTORS THAT DO ANY WORK ON THIS PROJECT SHALL BE CURRENTLY LICENSED TO PERFORM WORK IN THE LOCATION OF THIS SITE. PROOF OF LICENSES SHALL BE SUPPLIED TO VERIZON WIRELESS PRIOR TO THE COMMENCEMENT OF ANY WORK.

12. SEEDING:

ALL DISTURBED AREAS SHALL BE REPAIRED AND SEEDED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED. SEED DISTURBED AREAS W/4 POUNDS/1000 SQ. FT. - 60% KENTUCKY BLUEGRASS, 18% CREEPING RED FESCUE, 22% ANNUAL RYEGRASS.

13. TRAFFIC CONTROL:

THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR GOVERNING LOCAL AGENCIES.

14. CONSTRUCTION STAKING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING NEEDED TO COMPLETE ALL THE CONSTRUCTION SHOWN HEREON. CONTACT DESIGN ENGINEER TO SCHEDULE CONSTRUCTION STAKING.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO PAVEMENT, FINISHED GRADES, LANDSCAPING, BUILDINGS, SURVEY MARKERS, FIELD TILES, CULVERTS, ETC.

16. IN THE EVENT ANY DISCREPANCIES OR ERRORS ARE FOUND ON THESE PLANS OR ANY CONFLICT OR PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE GENERAL CONTRACTOR OR VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE GENERAL CONTRACTOR OR VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) FOR WORK HAVING TO BE REDONE FOR GRADE OR GEOMETRIC DISCREPANCIES IF NOTICE TO THE ENGINEER HAS NOT BEEN PROVIDED. THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS AS NECESSARY TO ACCOMPLISH THE INTENT OF THESE PLANS.

17. ALL SITE WORK AND CONSTRUCTION SHALL CONFORM TO ANY AND ALL APPLICABLE CODES AND VERIZON WIRELESS STANDARDS AND SPECIFICATIONS.

18. ALL ELEVATIONS AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM A SURVEY SUPPLIED TO KIMLEY-HORN BY BENCHMARK SERVICES. KIMLEY-HORN HAS NOT VERIFIED THIS INFORMATION AND DOES NOT WARRANT ANY INFORMATION SUPPLIED BY OTHERS.

19. THE GENERAL CONTRACTOR SHALL MAINTAIN A COMPLETE AS-BUILT SET OF PLANS AND CONDITIONS, AND SUBMIT SAME TO THE ENGINEER WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION. AS-BUILT PLANS SUBMITTED TO THE ENGINEER SHALL INCLUDE A DRAWING WITH DIMENSIONS SHOWING THE LOCATION OF THE UNDERGROUND UTILITIES, GROUNDING GRID, EQUIPMENT PAD, TOWER FOUNDATION, TOWER PLATFORM ORIENTATION, AND FENCE WITHIN THE LEASE AREA OR PROPERTY AND BE CERTIFIED BY A LICENSED PROFESSIONAL SURVEYOR.

20. THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION.

21. THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION OF ALL TESTING AGENCIES THAT REQUIRE SITE INSPECTION OR TESTING OF THE WORK AS DIRECTED IN THESE PLANS, GOVERNING AGENCIES AND ALL APPLICABLE CODES.

22. PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER, FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK ALL CONSTRUCTION DOCUMENTS TO INCLUDE, BUT NOT LIMITED TO, GEOTECHNICAL REPORT, STRUCTURAL ANALYSIS, TOWER, MECHANICAL AND ELECTRICAL DRAWINGS, FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.

24. WORK SITE SAFETY:

A. CONSTRUCTION WORK PRESENTS UNIQUE THREATS TO HEALTH AND SAFETY. THE CONTRACTOR AND VERIZON WIRELESS CONTRACTOR (VZW GC) ARE RESPONSIBLE TO EDUCATE THEIR WORK FORCE OF THESE DANGERS AND LIMIT THEIR EXPOSURE TO HAZARDS. THIS EDUCATION SHALL INCLUDE BUT NOT BE LIMITED TO APPLICABLE TRAINING COURSES AND CERTIFICATIONS, PROPER PERSONAL PROTECTIVE EQUIPMENT USAGE, DAILY TAILGATE MEETINGS AND ANY OTHER PREVENTATIVE MEASURES WHICH MAY BE REASONABLY EXPECTED. THE CONTRACTOR, VERIZON WIRELESS CONTRACTOR (VZW GC) AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. ALL CONTRACTORS SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.

B. TOWER WORK PRESENTS ADDITIONAL THREATS TO HEALTH AND SAFETY. ALL TOWER WORKERS WORKING ON A TOWER MUST BE ADEQUATELY TRAINED AND MONITORED TO ENSURE THAT SAFE WORK PRACTICES ARE LEARNED AND FOLLOWED. AS REQUIRED BY OSHA, WHEN WORKING ON EXISTING COMMUNICATION TOWERS, EMPLOYEES MUST BE PROVIDED WITH APPROPRIATE FALL PROTECTION, TRAINED TO USE THIS FALL PROTECTION PROPERLY, AND THE USE OF FALL PROTECTION MUST BE CONSISTENTLY SUPERVISED AND ENFORCED BY THE CONTRACTOR.

C. ALL SAFETY EQUIPMENT SHALL BE INSPECTED ACCORDING TO ALL OSHA AND INDUSTRY SCHEDULED INTERVALS AND ALL INSPECTIONS SHALL BE DOCUMENTED PER APPLICABLE CODES AND STANDARDS.



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
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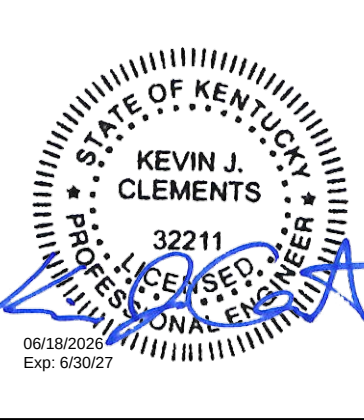
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ENGINEER SEAL:



PROJECT INFORMATION:

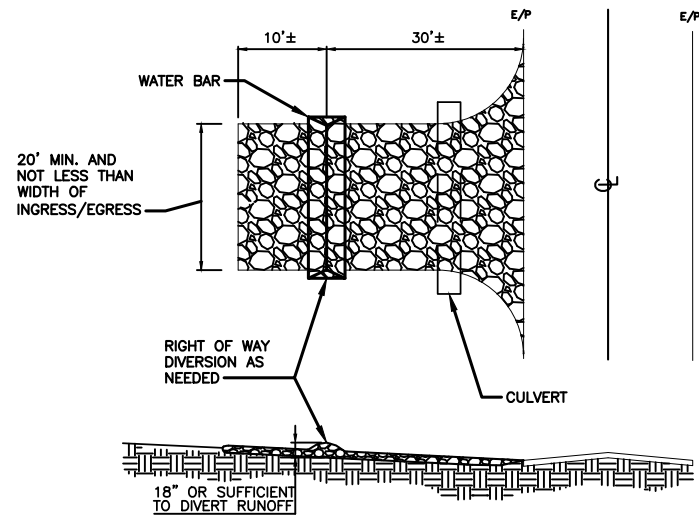
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

GENERAL SITE
CONSTRUCTION PLANS

SHEET NUMBER:

C-6



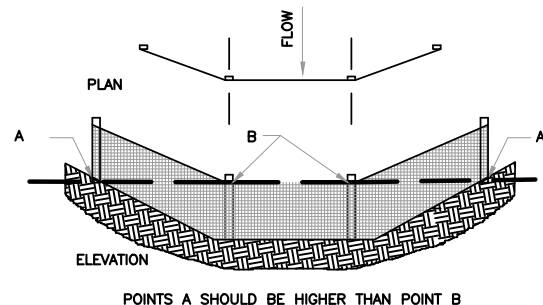
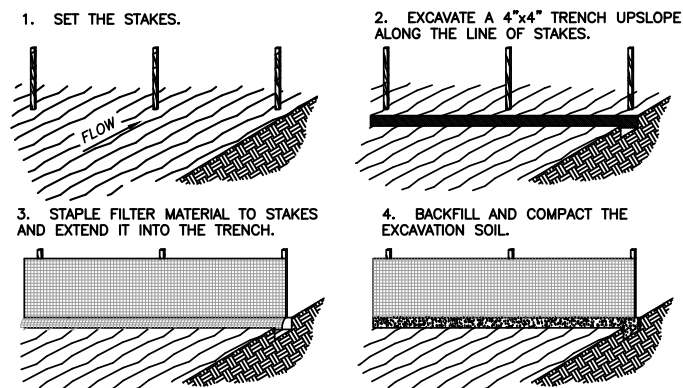
NOTES:

- STONE SIZE – TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
- PAVEMENT THICKNESS – STONE LAYER SHALL BE AT LEAST 6" THICK.
- DRIVEWAY WIDTH – THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS/EGRESS OCCURS.
- BEDDING – A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LBS. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LBS.
- CULVERT – A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- WATER BAR – A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- MAINTENANCE – TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND, MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF OS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY, REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- CONSTRUCTIONS ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.

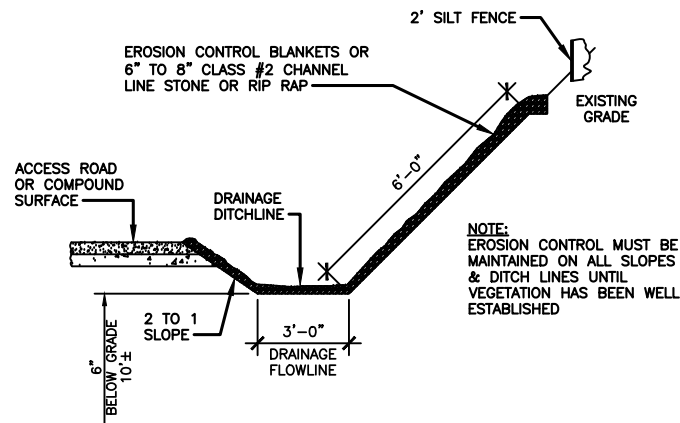
1
C-7



SILT FENCE DETAIL

SCALE: N.T.S.

2
C-7



NOTES:

- WHEN FACED WITH SLOPES LESS THAN 2 TO 1 SLOPES, ALL SLOPES SHOULD BE DOZER TRACKED PRIOR TO SEEDING. ALL SLOPES SHOULD HAVE EROSION CONTROL BLANKETS OR RIP RAP EMBEDDED ON SLOPES SURFACES TO REDUCE EROSION.
- ALL FLOWLINES MUST BE INSTALLED BELOW SUB-GRADE OF COMPOUND. (AT MINIMUM OF 6" BELOW)

DRAINAGE DITCHLINE DETAIL (SWALE)

SCALE: N.T.S.

3
C-7

EROSION & SEDIMENT CONTROL NOTES

- ALL WORK SPECIFIED AS A/AN DOT ITEM SHALL BE GOVERNED BY THE STATE OF KENTUCKY OF DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK. IT IS CONTRACTORS RESPONSIBILITY TO POSSESS AND BE FAMILIAR WITH APPLICABLE SECTIONS.
- THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION PREVENTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
- PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 7 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 14 DAYS WITH SEEDING, AS DEFINED ABOVE AND AS SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE. TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDINGS			A			*	*		**			
DORMANT SEEDINGS	B									B		
TEMPORARY SEEDINGS			C		D							
SODDING			E**									
MULCHING	F											

A. KENTUCKY BLUEGRASS
90 LBS./AC/MIXED
PERENNIAL RYEGRASS 30
LBS./ACRE

B. KENTUCKY BLUEGRASS
135 LBS./AC/MIXED
PERENNIAL RYEGRASS 45
LBS./AC. 2 TON STRAW
MULCH PER ACRE

C. SPRING OATS 100 LBS./ACRE

D. WHEAT OR CEREAL RYE 150 LBS./ACRE

E. SOD (NURSERY CROWN KENTUCKY BLUEGRASS)
150 LBS./ACRE

F. STRAW MULCH 2 TONS PER ACRE

* IRRIGATION NEEDED DURING JUNE, JULY &
SEPTEMBER

** IRRIGATION NEEDED FOR 2-3 WEEKS AFTER
SODDING

- PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 10 DAYS AT THE COMPLETION OF ANY GRADED AREAS, WEATHER PERMITTING. ALL PERMANENT VEGETATION SHALL CONSIST OF PLANTING AND SOD
- AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
- SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING OR NEW STORM INLETS, CATCH BASINS, AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:
 - SILT BARRIERS
 - SILT FENCE
 - CONSTRUCTION ENTRANCE
 - EROSION CONTROL SEED BLANKETS – SPEC FOR TEMPORARY EROSION CONTROL BLANKETS ON SLOPES/DITCHES

CONSTRUCTION SEQUENCE

- STAKE AND/OR FLAG LIMITS OF CLEARING
- DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED.
- CLEARING & GRUBBING, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALL SILT FENCE PERIMETER CONTROLS AS SHOWN ON PLANS.
- INSTALL CONSTRUCTION ENTRANCE. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTION ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD INTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- CLEARING & GRUBBING THE REMAINING SITE AS NECESSARY.
- BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- CONSTRUCT AND MAINTAIN TEMPORARY DRAINAGE SWALES DURING FILLING AND GRADING ACTIVITIES.
- CONSTRUCT SITE WORK INCLUDING STORM DRAINAGE FACILITIES.
- MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED.
- REMOVE SEDIMENT CONTROLS.

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:

Kimley»Horn

500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV: DATE: DESCRIPTION: BY:

C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

DRAWN BY: CHECKED BY:

GT

GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



06/18/2026
Exp: 6/30/27

PROJECT INFORMATION:

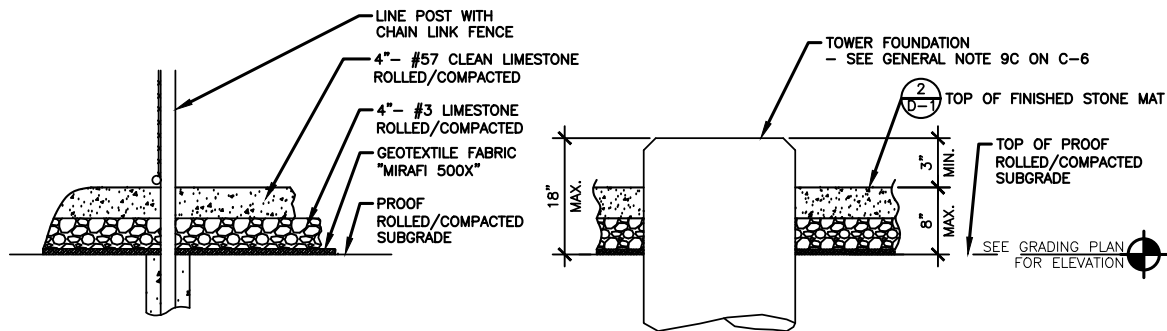
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

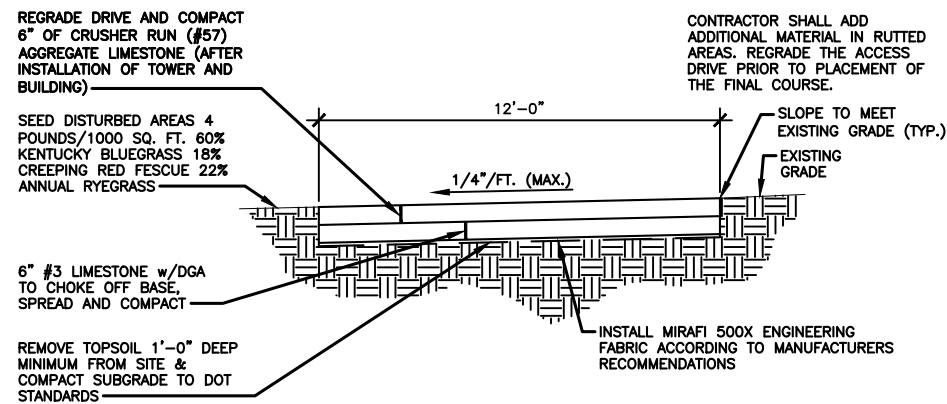
**EROSION CONTROL
DETAILS & NOTES**

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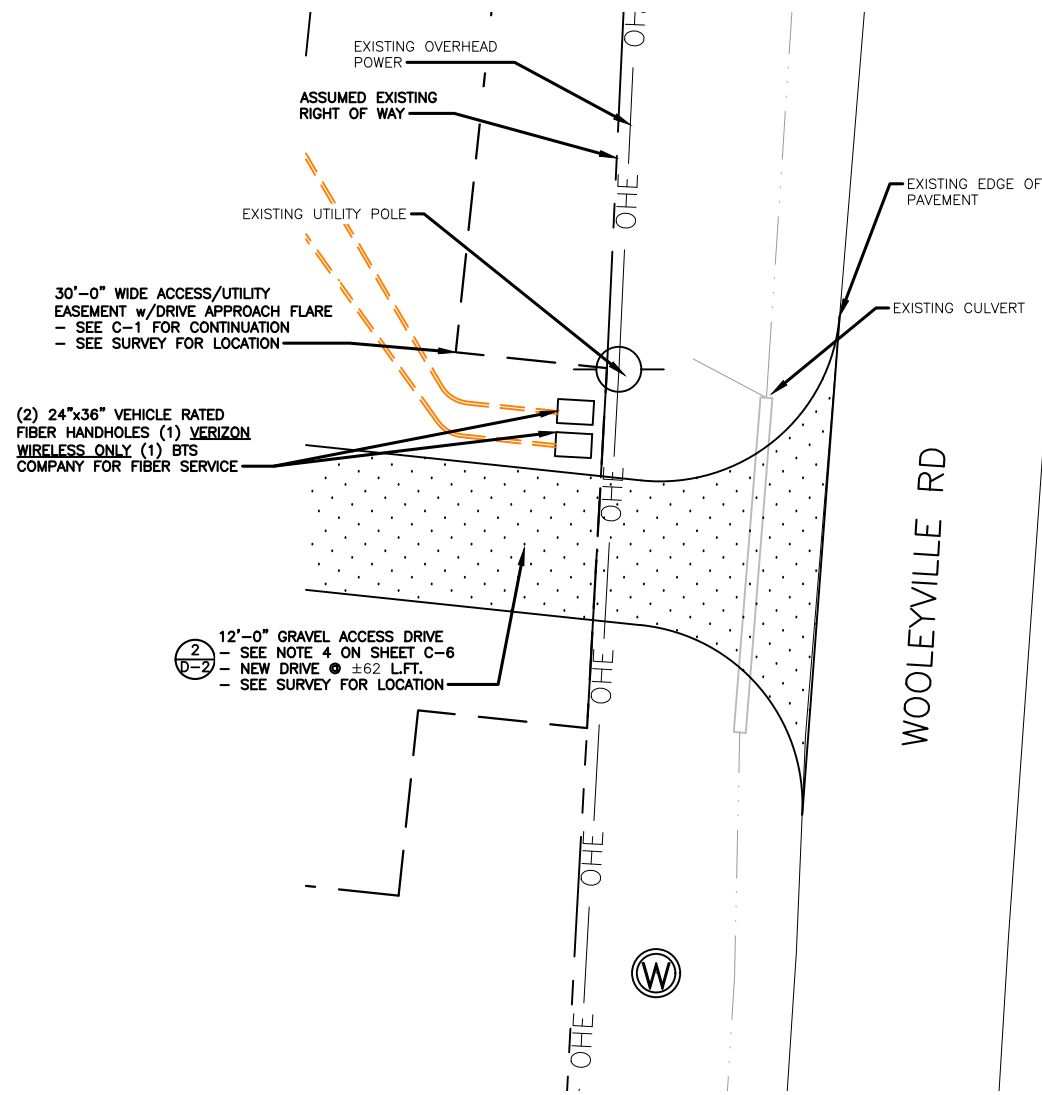
C-7



PARTIAL COMPOUND SECTION 1
D-2
SCALE: N.T.S.



ACCESS DRIVE TYPICAL SECTION 2
D-2
SCALE: N.T.S.



ENLARGED FIBER HAND HOLE PLAN AT R.O.W. 5
D-2
SCALE: 1" = 16'-0"



8601 SIX FORKS ROAD, SUITE 250
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PHONE (919) 984-7644

PLANS PREPARED BY:



500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

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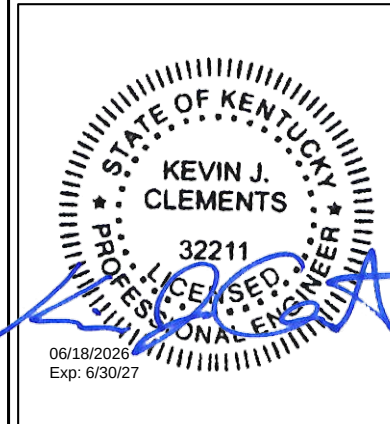
DRAWN BY: CHECKED BY:

GT GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

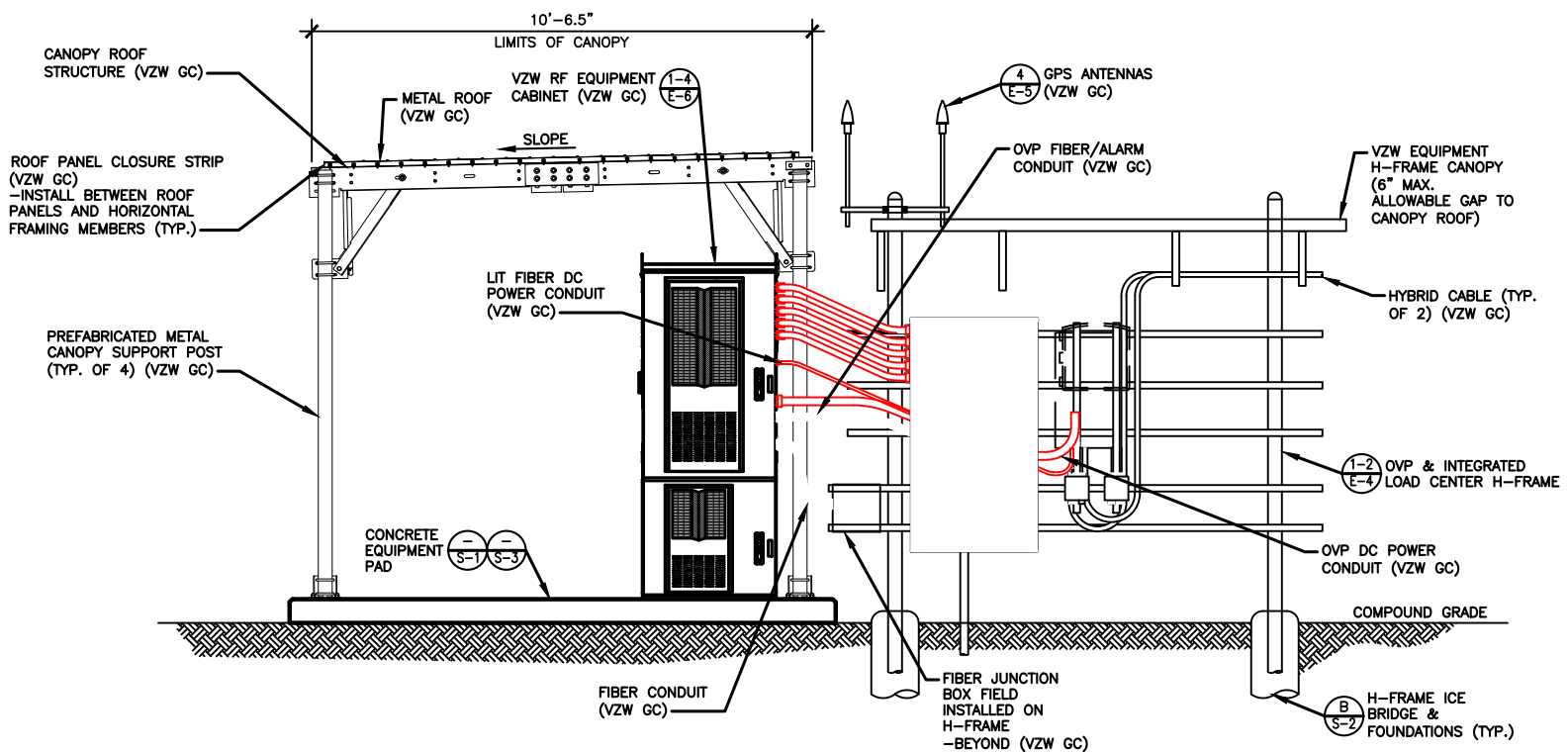
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

SITE DETAILS

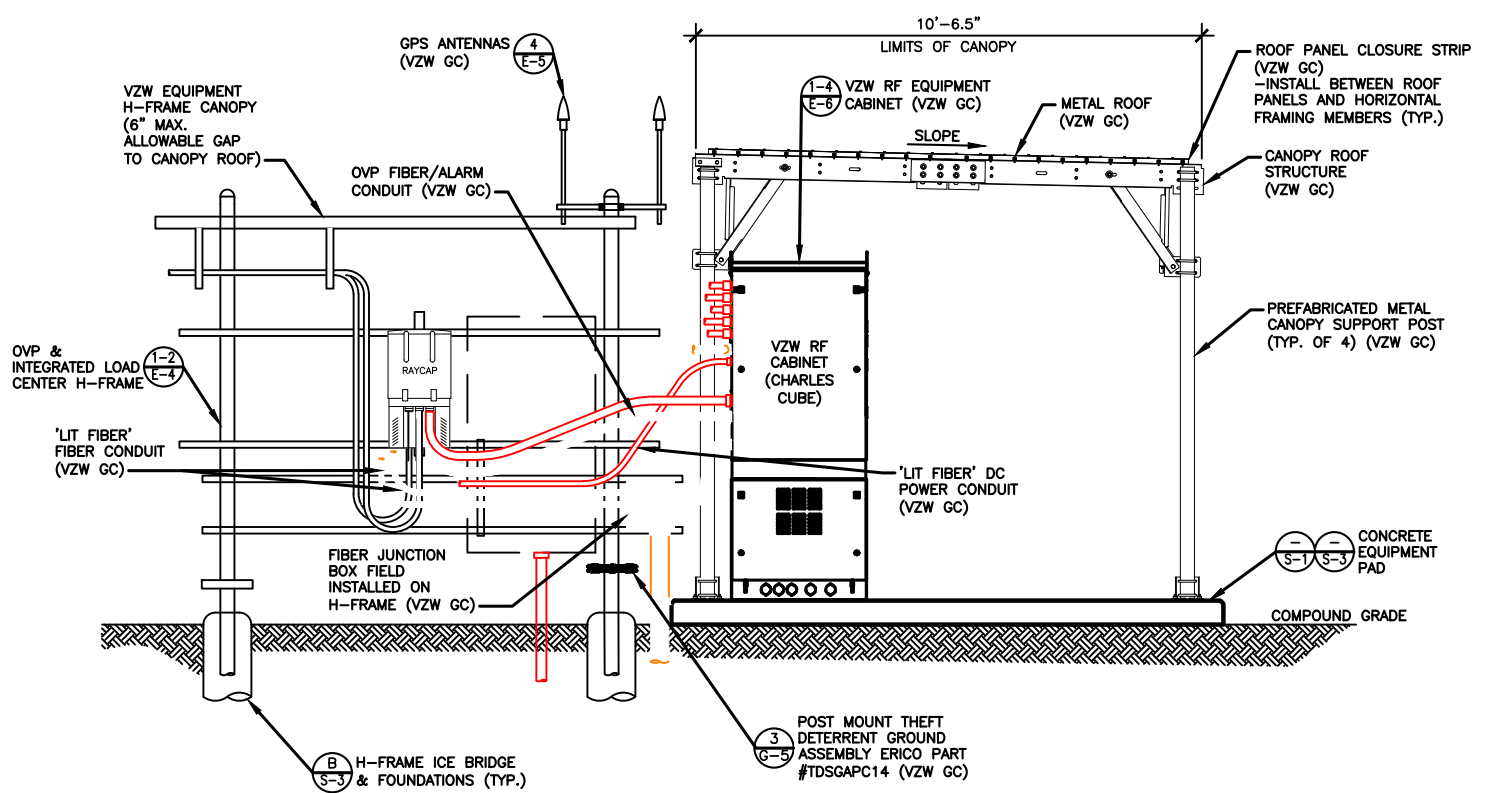
SHEET NUMBER:

D-2



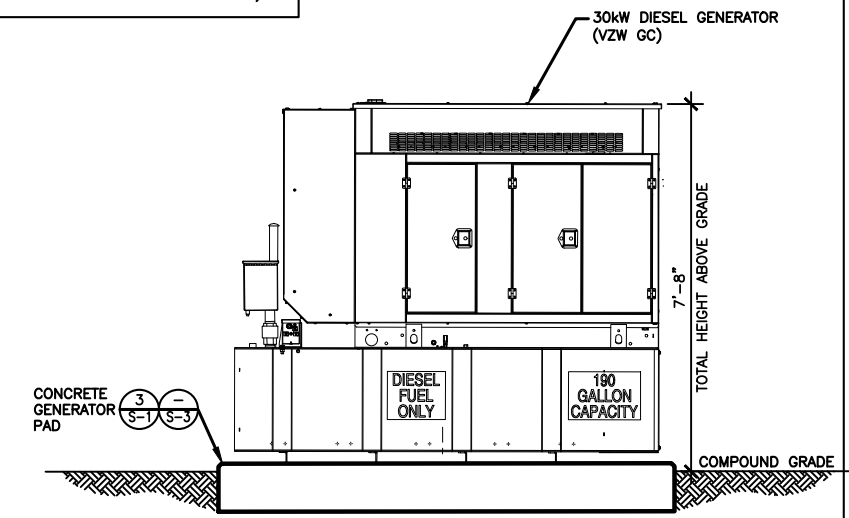
NOTE:
VERIZON WIRELESS 6'-6"x10'-6"
RADIO EQUIPMENT CANOPY
(CANOPY DWGS. SUPPLIED BY
MANUFACTURER) (VZW GC)
-COMMSCOPE P/N 860676982-001

FRONT ELEVATION
SCALE: 1/4" = 1'-0"

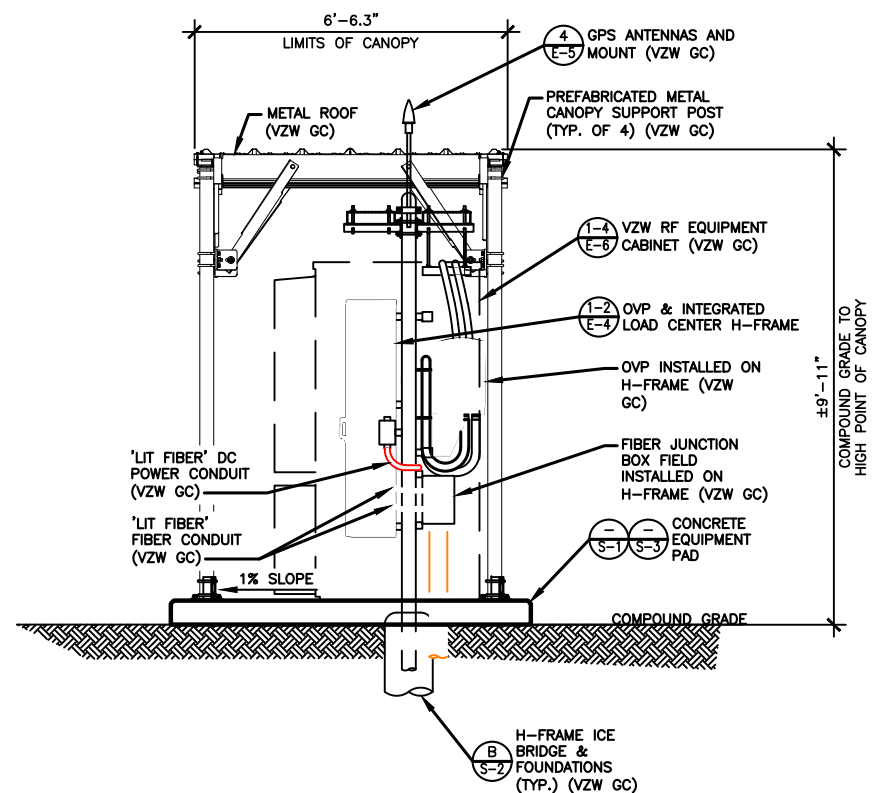


REAR ELEVATION
SCALE: 1/4" = 1'-0"

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



GENERATOR ELEVATION
SCALE: 1/4" = 1'-0"



RIGHT ELEVATION
SCALE: 1/4" = 1'-0"

APC Towers
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INDIANAPOLIS, IN 46240

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DRAWN BY: **GT** CHECKED BY: **GP**

KHA PROJECT NUMBER: **180047007.1.102**

ENGINEER SEAL:

**FOR
REFERENCE
ONLY**

PROJECT INFORMATION:
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:
**EQUIPMENT PAD &
CANOPY ELEVATIONS**

SHEET NUMBER:
D-3

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

C3

DANGER

LEAD ACID BATTERIES

CORROSIVE LIQUIDS (ELECTROLYTE)
ENERGIZED ELECTRICAL CIRCUITS

NO SMOKING

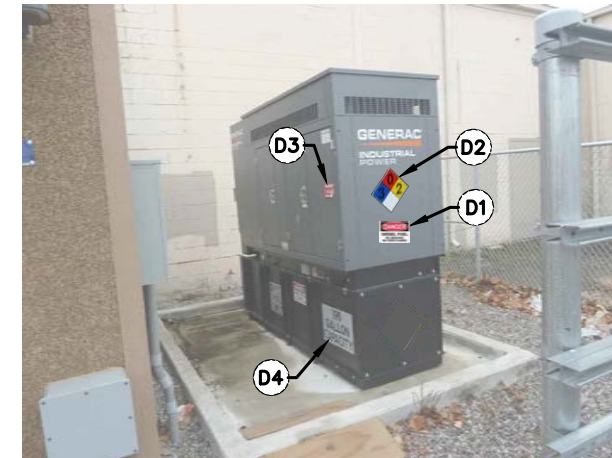
C4

DANGER

NI-CAD BATTERIES

CORROSIVE LIQUIDS (ELECTROLYTE)
ENERGIZED ELECTRICAL CIRCUITS

NO SMOKING



D-4

The figure displays five examples of FCC required labels, each with a circled identifier in the top left corner:

- S1:** A yellow label titled "NOTICE" with the heading "General Radio Frequency (RF) Safety Guidelines". It lists safety instructions such as "Limit all portable antennas have been deactivated, please observe the following:", "Obey all posted signs.", "Assume all antennas are transmitting.", "Do not touch any antennas.", "Do not stand in front of any antennas.", "Do not walk in front of any antennas.", "Do not work with beyond any signs, barriers, or physical markers towards any antennas.", and "Contact customer service or property owner if there are any questions or concerns." It includes the Verizon logo at the bottom.
- E1:** A white label titled "NOTICE" with a radio wave icon. The text reads: "Radio Frequency fields beyond this point may exceed the FCC general public exposure limit. Stay of portable gear or no portable gear is not permitted in this area. Please contact customer service or property owner if there are any questions or concerns." It includes the Verizon logo at the bottom.
- E2:** A yellow label titled "CAUTION" with a radio wave icon. The text reads: "Beyond this point Radio Frequency fields at this site exceed the FCC public exposure limit for human exposure. Stay of portable gear or no portable gear is not permitted in this area. Please contact customer service or property owner if there are any questions or concerns." It includes the Verizon logo at the bottom.
- E3:** A white label titled "WARNING" with a radio wave icon. The text reads: "Beyond this point Radio Frequency fields at this site exceed the FCC public exposure limit for human exposure. Stay of portable gear or no portable gear is not permitted in this area. Please contact customer service or property owner if there are any questions or concerns." It includes the Verizon logo at the bottom.
- B1:** A green label titled "INFORMATION". The text reads: "This is an ACCESS POINT to an area with transmitting antennas." Below this, it says: "Obey all postings and boundaries beyond this point." It includes the Verizon logo at the bottom.

FIGURE 9 – TYPICAL E.M.E. SIGNAGE

NOTE:
ALL GENERATOR CONDUITS SHALL BE INSTALLED AND CAPPED WEATHERTIGHT FOR FUTURE GENERATOR INSTALLATION IF REQUIRED

STRUCTURAL NOTES

1. CANOPY SYSTEM DESIGN LOADINGS:

ROOF SNOW LOAD	70 PSF
DEAD LOADS	ACTUAL MATERIAL WEIGHTS
BASIC WIND SPEED	120 MPH

DESIGN CODES

BUILDINGS AND OTHER STRUCTURES: ASCE 7-10, ASCE 7-16
ANTENNA SUPPORTS, RELATED APPURTENANCES AND TOWERS:
TIA-5053, TIA-222-H AND TIA-222-G

2. BUILDING FOUNDATION SYSTEM:

THE SUBSURFACE REPORT WAS PROVIDED BY TOWER ENGINEERING PROFESSIONALS, INC.

ALL CONTRACTORS SHALL EXERCISE GREAT CARE DURING EXCAVATION. ALL CONTRACTORS SHALL PREDETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.

THE SUBSURFACE REPORT IS NOT TO BE CONSIDERED AS A COMPLETE RECORD OF THE EXISTING CONDITIONS AT THE SITE. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, INCLUDING SUBSURFACE CONDITIONS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER PRIOR TO SITE ENTRY FOR THE PURPOSE OF CONDUCTING SOIL TESTING AND VERIFICATION OF EXISTING CONDITIONS.

FOUNDATION SUBGRADES SHALL BE HAND TRIMMED AND COMPACTED. ALL BACKFILL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

3. CONCRETE WORK:

CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED BY A QUALIFIED CONCRETE TESTING COMPANY. THE GENERAL CONTRACTOR SHALL PROVIDE ONE (1) CYLINDER SAMPLE TAKEN PER TRUCK OR FOUR (4) TOTAL FOR BUILDING FOUNDATION AND THE CONCRETE MUST MEET A 4" SLUMP. THE GENERAL CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF TESTING RESULTS TO VERIZON WIRELESS AND TOWER OWNER CONSTRUCTION MANAGERS. FAILURE TO PROVIDE WRITTEN DOCUMENTATION WILL RESULT IN A DEDUCTION FROM THE CONTRACT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY ADDITIONAL COSTS IN TESTING DUE TO DELAYS BY THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS. USE AIR ENTRAINMENT IN EXTERIOR SLABS.

SPECIFICATIONS - LATEST EDITION OF ACI-318 - BLDG. FOUNDATION
AS ADOPTED BY THE STATE OF MICHIGAN $F'_c = 4000 \text{ PSI} @ 28 \text{ DAYS}$
2"-4" SLUMP

MATERIALS - REINFORCING ASTM A615, GRADE 60
- ANCHOR BOLTS ASTM F1554 A36

REINFORCING COVERS - FOOTINGS
TOP 2"
BOTTOM/SIDES 3"

REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4000 PSI CONCRETE

BAR SIZE	ANCHORAGE	SPLICE (OTHER)	ANCHORAGE (TOP)	SPLICE (TOP)
#4	12"	25"	25"	33"

CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")

4. BURIED CABLE LOCATIONS INFORMATION

CONTACT MISSDIG 811 48 HR. PRIOR TO DIGGING, GRADING, OR DRILLING 1-800-482-7171 OR 811

ADDITIONAL CONCRETE NOTES:

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI*96, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 305, 306 AND 307 UNLESS NOTED OTHERWISE.
- ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-11.
- ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% ($\pm 1\%$) AIR ENTRAINMENT.
- PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.



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

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:

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500 E 96TH STREET
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INDIANAPOLIS, IN 46240

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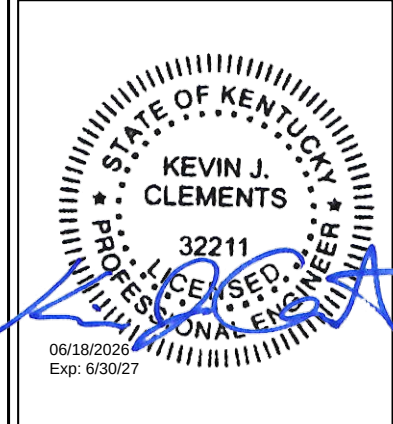
DRAWN BY: CHECKED BY:

GT GP

KHA PROJECT NUMBER:

180047007.1.102

ENGINEER SEAL:



PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

**EQUIPMENT FOUNDATION
DETAILS AND NOTES**

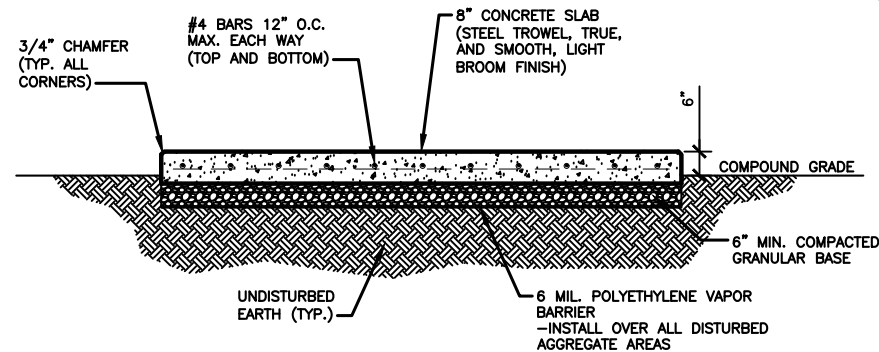
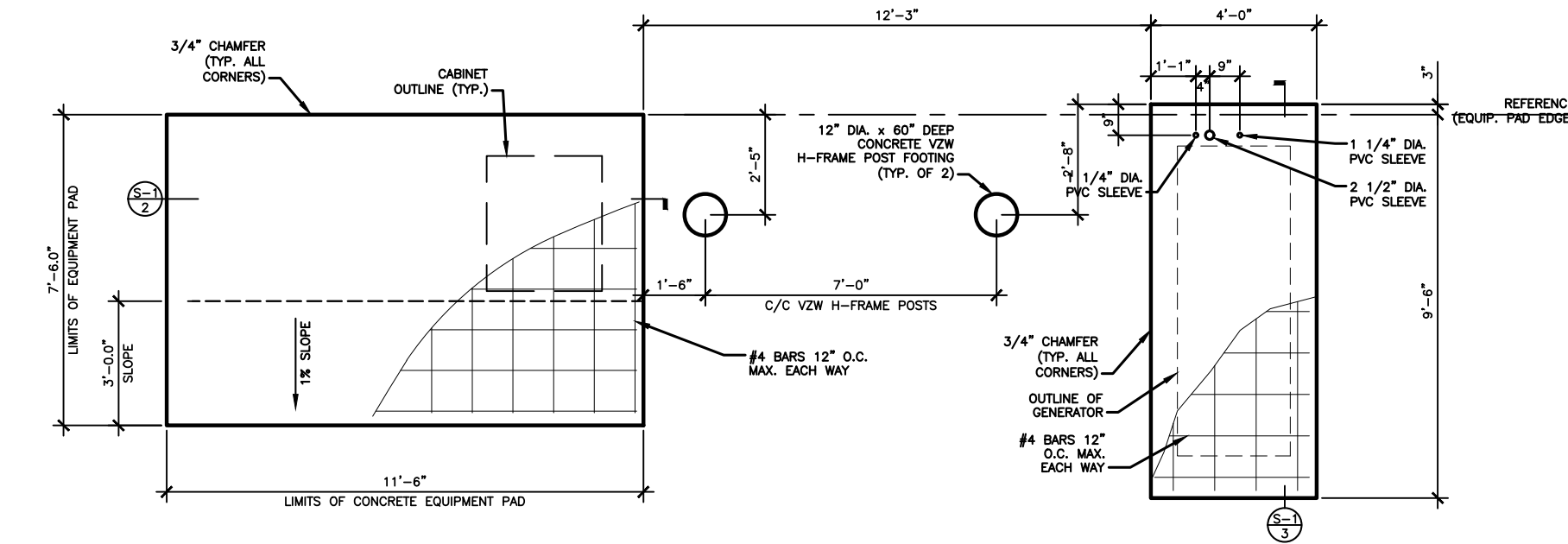
SHEET NUMBER:

S-1

EQUIPMENT AND GENERATOR PAD FOUNDATIONS PLAN

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

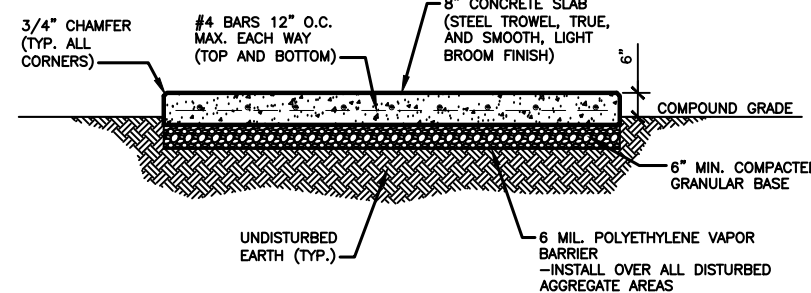
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S-1



EQUIPMENT PAD FOUNDATION SECTION

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

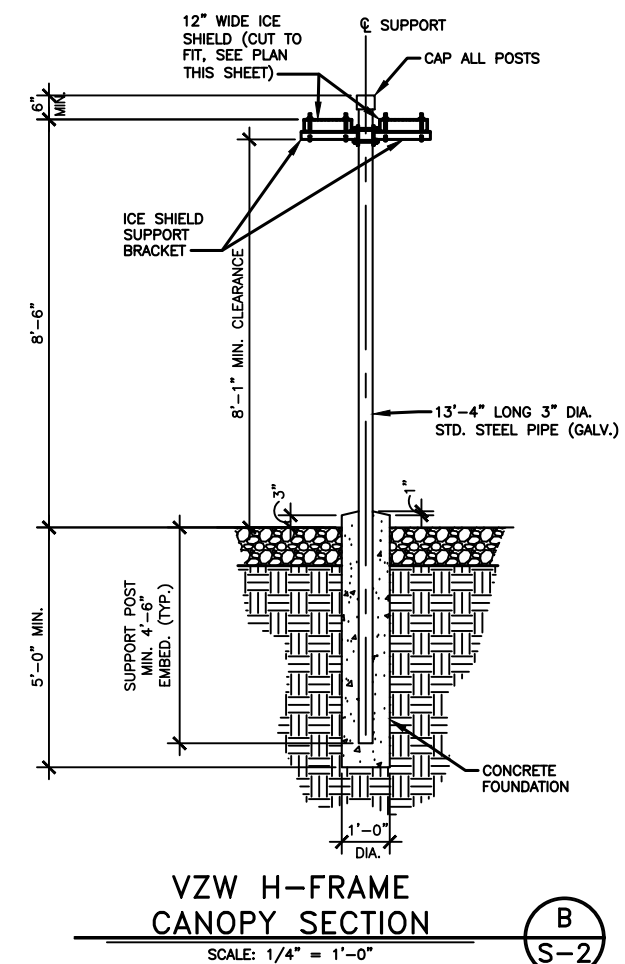
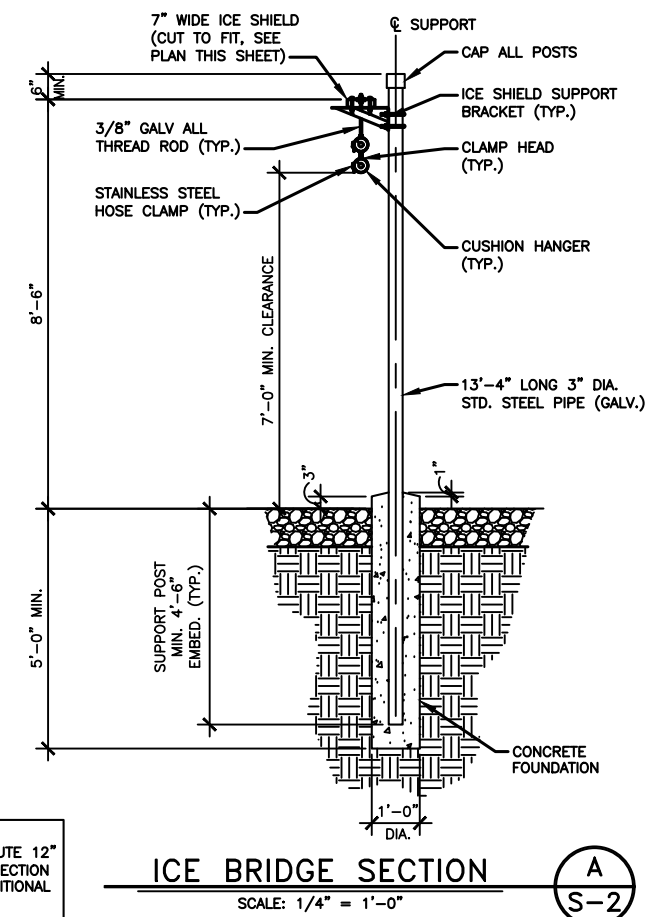
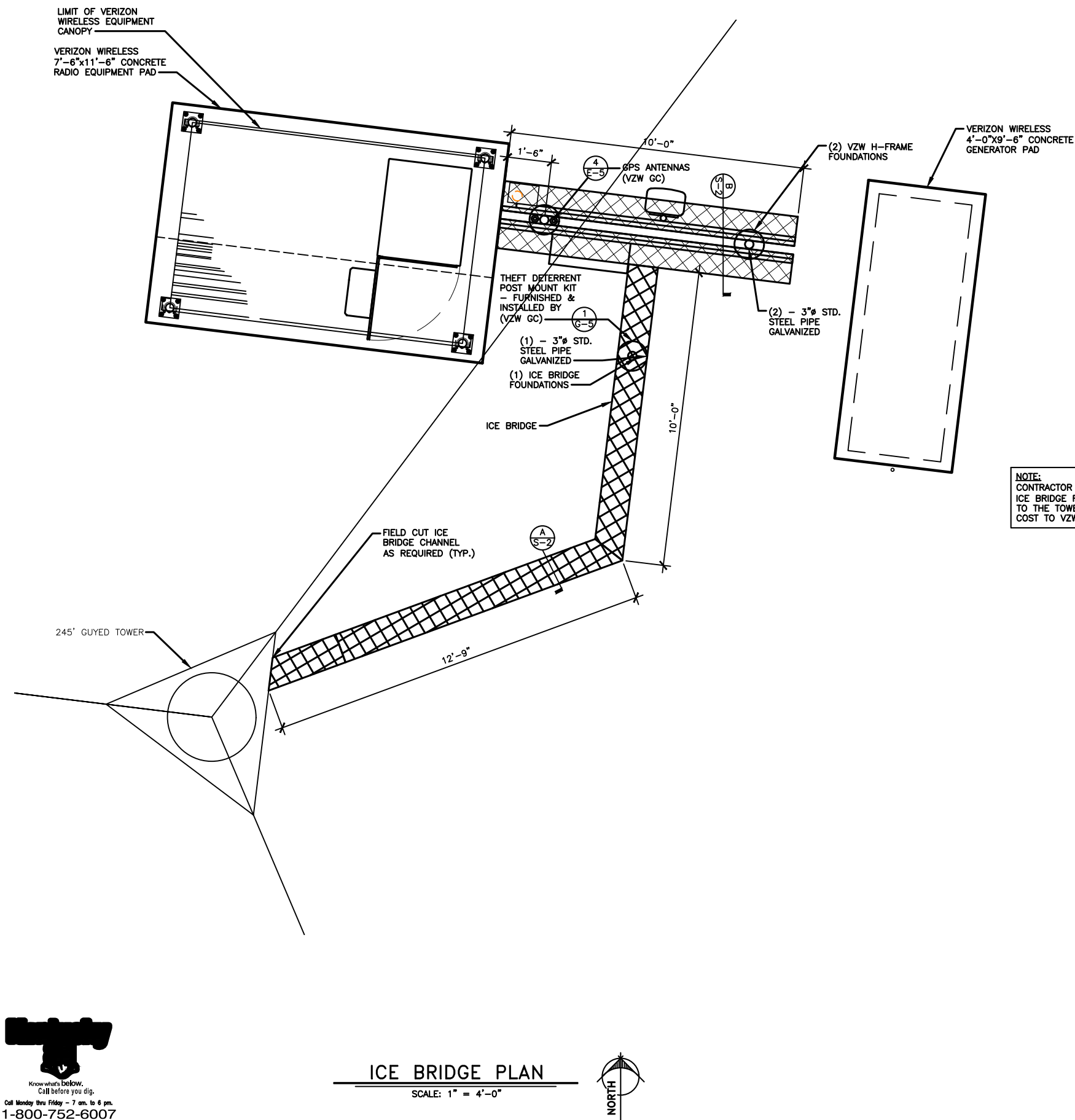
2
S-1



GENERATOR PAD FOUNDATION SECTION

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

3
S-1



NOTE:
CONTRACTOR MAY SUBSTITUTE 12"
ICE BRIDGE FOR THE 7" SECTION
TO THE TOWER IF NO ADDITIONAL
COST TO VZW



8601 SIX FORKS ROAD, SUITE 250
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PHONE (919) 984-7644

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DRAWN BY: _____ CHECKED BY: _____

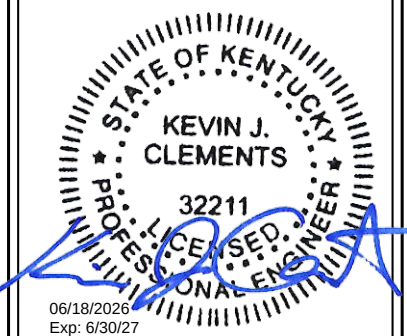
GT

GP

KHA PROJECT NUMBER: _____

180047007.1.102

ENGINEER SEAL: _____



PROJECT INFORMATION: _____

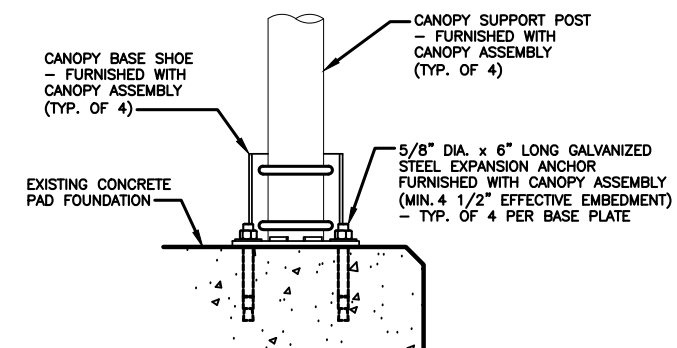
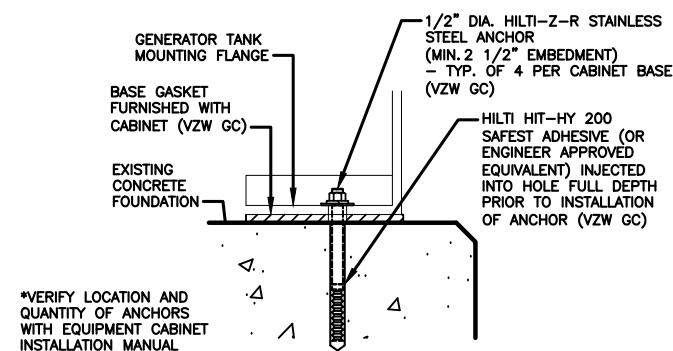
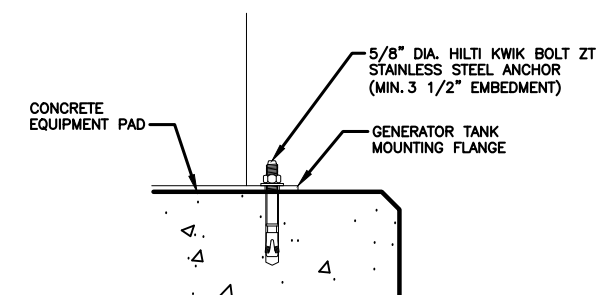
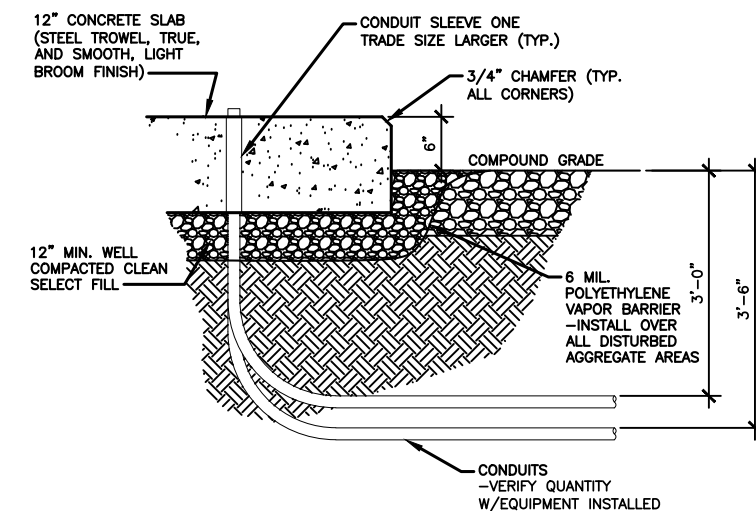
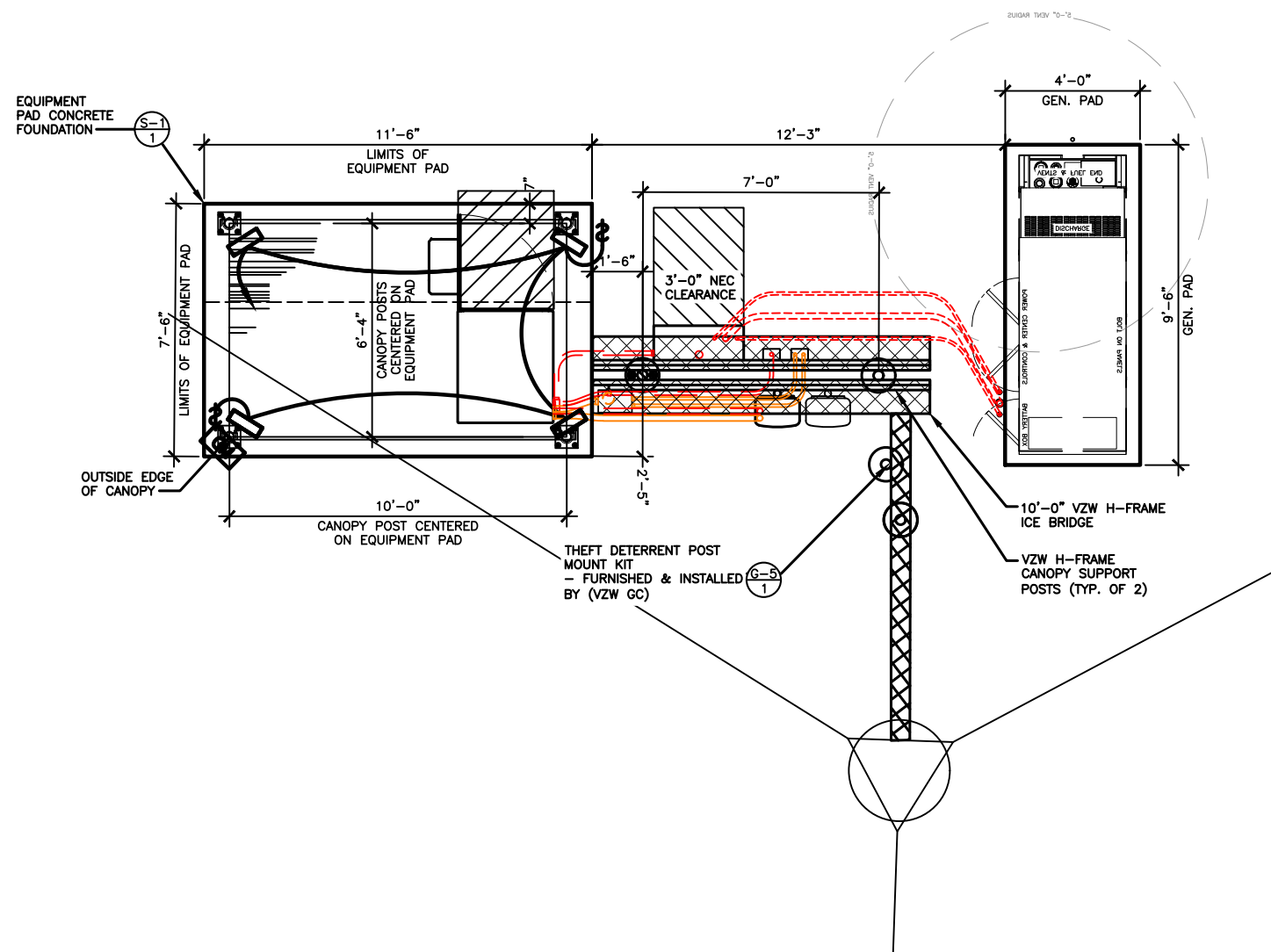
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE: _____

ICE BRIDGE PLAN AND DETAILS

SHEET NUMBER: _____

S-2



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



8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:

Kimley»Horn

500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

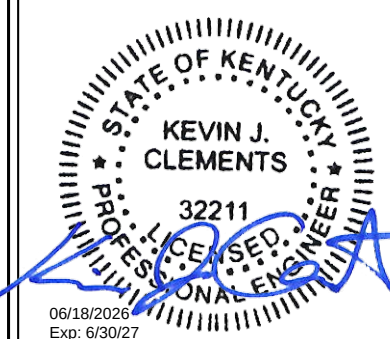
REV: _____ DATE: _____ DESCRIPTION: _____ BY: _____

C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

DRAWN BY: _____		CHECKED BY: _____	
GT		GP	

KHA PROJECT NUMBER: 180047007.1.102

ENGINEER SEAL: _____



PROJECT INFORMATION:

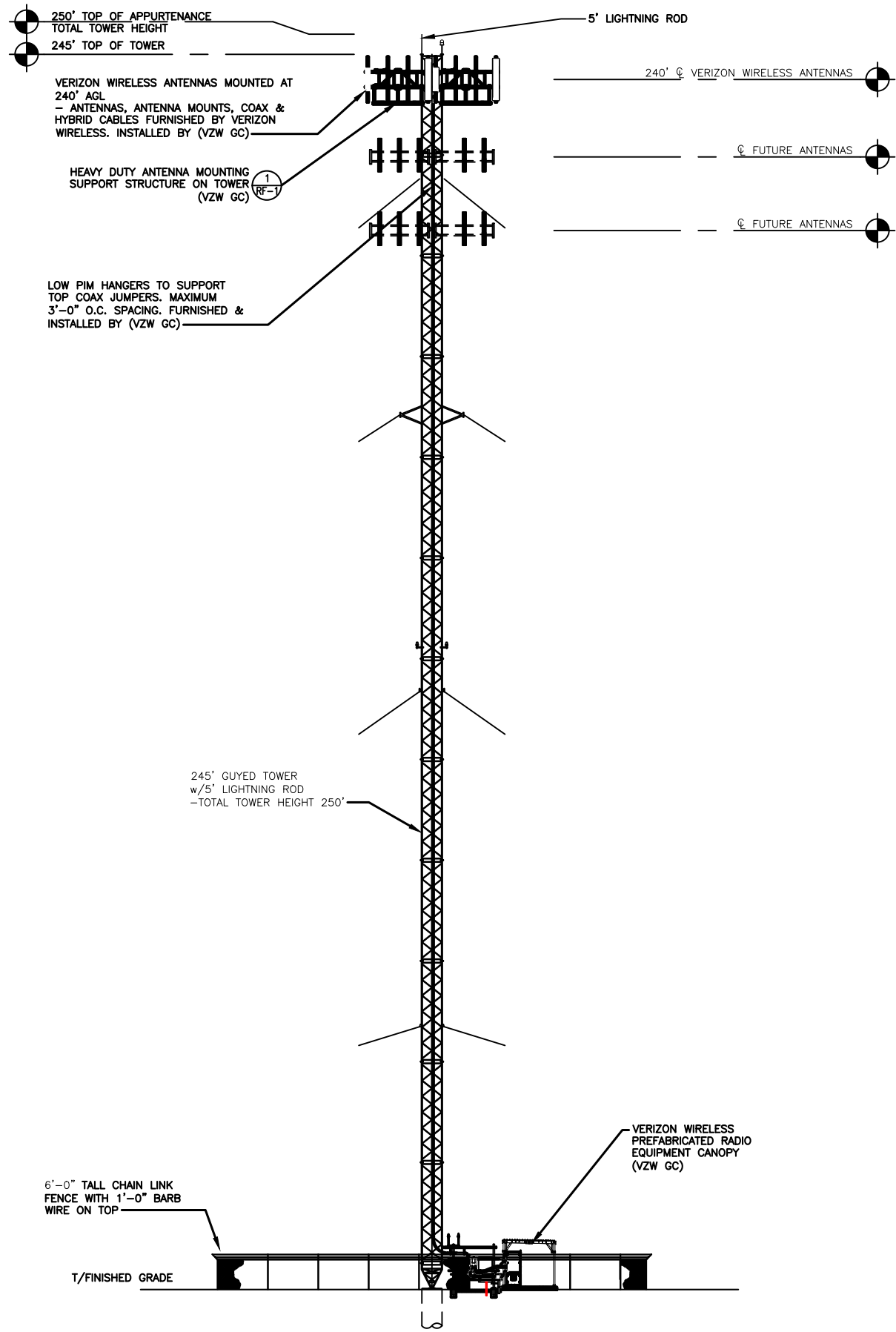
KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE: _____

FOUNDATION PLAN AND DETAILS

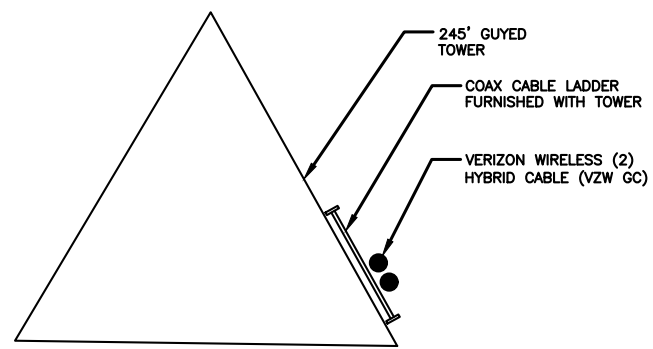
SHEET NUMBER: _____

S-3

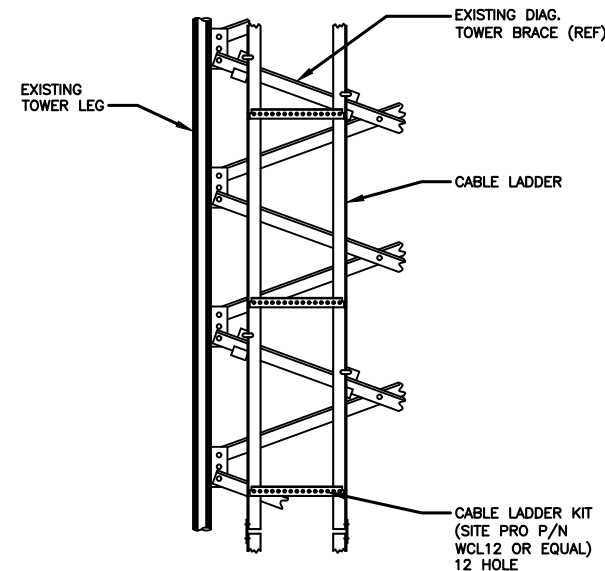


TOWER ELEVATION
SCALE: N.T.S.

- NOTE:
1. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS (VZW GC)
 2. ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE USFWS INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 200' IN HEIGHT.
 3. THE TOWER LIGHTING SYSTEM WILL BE MANUFACTURED BY FLASH TECHNOLOGY AND PROVIDED BY HORVATH COMMUNICATIONS. THE GENERAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, CONDUCTORS, ELECTRICAL PANEL, CIRCUIT BREAKER, HARDWARE AND LABOR TO INSTALL THE ENTIRE OPERATING TOWER OBSTRUCTION LIGHTING SYSTEM.



COAX PLAN
SCALE: N.T.S.



CABLE LADDER ATTACHMENT DETAIL
SCALE: N.T.S.

APC Towers

8601 SIX FORKS ROAD, SUITE 250
RALEIGH, NC 27615
PHONE (919) 984-7644

PLANS PREPARED BY:

Kimley»Horn

500 E 96TH STREET
SUITE 300
INDIANAPOLIS, IN 46240

REV:	DATE:	DESCRIPTION:	BY:
C	06/17/26	ISSUED FOR ZONING	GT
B	04/06/26	ISSUED FOR ZONING	GT
A	02/25/26	ISSUED FOR ZONING	GT

DRAWN BY:	CHECKED BY:
GT	GP
KHA PROJECT NUMBER:	
180047007.1.102	
ENGINEER SEAL:	

STATE OF KENTUCKY
KEVIN J. CLEMENTS
32211
PROFESSIONAL ENGINEER
06/18/2026
Exp: 6/30/27

PROJECT INFORMATION:

KY-4161
5000983628
417 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718
TAYLOR COUNTY

SHEET TITLE:

TOWER ELEVATION

SHEET NUMBER:

TE-1

EXHIBIT C

CONSTRUCTION MANAGER LETTER LIST OF QUALIFIED PROFESSIONALS TOWER AND FOUNDATION DESIGN

December, 11, 2025



Matt Bates
Director and Chief Operating Officer
Telecad Wireless Site Design, LLC
1961 Northpoint Blvd, Suite 130
Hixson, TN 37343
matt.bates@telecadeng.com

RE: CM Services

To Whom It May Concern,

My name is Matt Bates and our firm, Telecad Wireless Site Design, LLC, has been tasked with the "Construction Management" for the project listed above. Telecad was founded in 2001, our P.E is licensed in 50 states. We provide construction management and site design for new build and colocation tower sites in the US.

Telecad has worked with APC Towers for the past several years on multiple projects and we are excited to be on this project and working hand in hand with them and further developing our business relationship.

Please do not hesitate to contact me with any questions that you may have. My contact information can be found below.

Cordially,

Matt Bates
Director and Chief Operating Officer
Telecad Wireless Site Design, LLC
matt.bates@telecadeng.com

CK Acton – List of Qualified Professionals

Kevin J. Clements

Licensed Professional Engineer, License No. 32211

Professional Engineer

Kimley Horn

500 E 96th Street, Suite 300

Indianapolis, IN 46240

Ralph M. Wallem

Licensed Professional Land Surveyor, License No. 2195

Professional Land Surveyor

Benchmark Services, Inc.

318 North Main Street

Huntingburg, IN 47542

Matt Bates

Construction Manager

TeleCAD Wireless Site Design, LLC

1961 Northpoint Blvd, Suite 130

Hixson, TN 37343

Brad R. Milanowski

Licensed Professional Engineer, License No. 25311

Professional Engineer

B+T Group

1717 S Boulder Ave, Suite 300

Tulsa, OK 74119

Raphael Mohamed

Licensed Professional Engineer, License No. 24429

Professional Engineer

Engineered Tower Solutions, PLLC

3227 Wellington Court

Raleigh, NC 27615

CK Acton – List of Qualified Professionals

Tyler Schueller
Geotechnical Engineer I
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Jorge Varela
Senior Geotechnical Engineer
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Steven Belcher
Sr. RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

Diagram of a vertical tower structure with height markers and member labels:

- Height markers (ft): 245.0, 235.0, 225.0, 205.0, 185.0, 182.2, 165.0, 145.0, 125.0, 115.0, 105.0, 85.0, 65.0, 55.0, 45.0, 25.0, 5.0, 0.0.
- Member labels:
 - 9/16 EModulus EHS LC=200.880 ft IT=10%
 - 1/2 EModulus EHS LC=214.568 ft IT=10%
 - 1/2 EModulus EHS LC=224.580 ft IT=10%
 - 3/8 EModulus EHS LC=161.414 ft IT=10%
 - 3/8 EModulus EHS LC=125.915 ft IT=10%
- Base load: 1 K (Axial), 172 K (Torque).

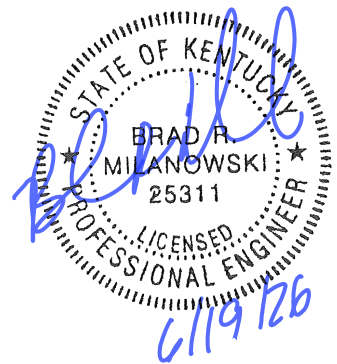


SYMBOL LIST

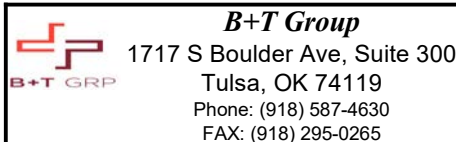
MATERIAL STRENGTH

TOWER DESIGN NOTES

1. Tower is located in Taylor 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.

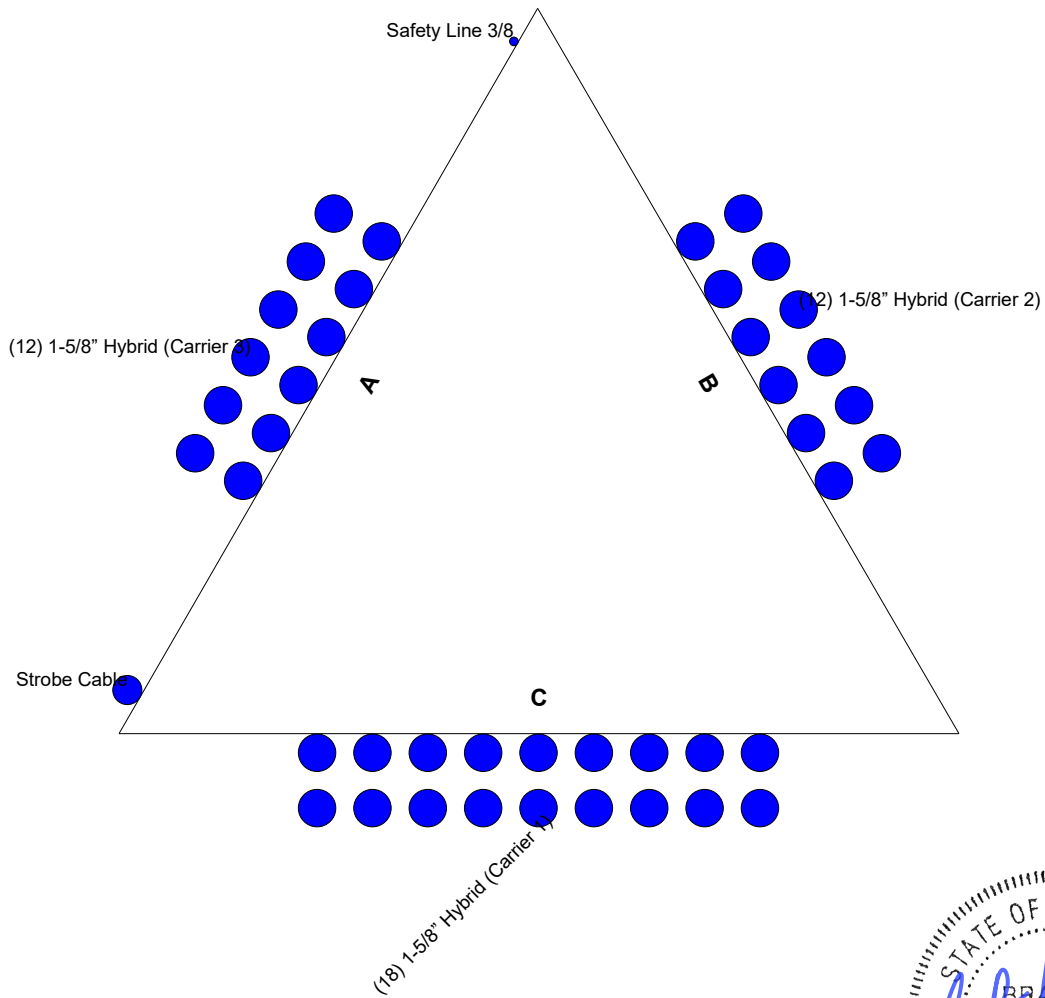


ALL REACTIONS ARE FACTORED



Job: ATS# C516 - CK Acton (Site# KY-4161)			
Project: 245' 36G/37.35266389, -85.24964167			
Client: APC Towers	Drawn by: Coody		App'd:
Code: T1A-222-H	Date: 06/19/26	Scale: NTS	
Path: S:\Projects\Access Technology\Structure105254 CK Acton C316(E)resonance\Tower0626-164r1 24536G CK Acton			Dwg No. E-1

Feed Line Plan



STATE OF KENTUCKY
 BRAD R. MILANOWSKI
 25311
 LICENSED PROFESSIONAL ENGINEER
 6/19/26

ARCOSA
 TELECOM STRUCTURES



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

Job: ATS# C516 - CK Acton (Site# KY-4161)		
Project: 245' 36G/37.35266389, -85.24964167		
Client: APC Towers	Drawn by: Coody	App'd:
Code: TIA-222-H	Date: 06/19/26	Scale: NTS
Path:	Dwg No. E-7	

<i>tnxTower</i> <i>B+T Group</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS# C516 - CK Acton (Site# KY-4161)	Page 1 of 47
	Project 245' 36G/37.35266389, -85.24964167	Date 15:45:17 06/19/26
	Client APC Towers	Designed by Coody

Tower Input Data

The main tower is a 3x guyed tower with an overall height of 245.000 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 3.000 ft at the top and tapered at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Taylor County, Kentucky.

Tower base elevation above sea level: 793.000 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..

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

Safety factor used in guy 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		

tnxTower

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

Job

ATS# C516 - CK Acton (Site# KY-4161)

Page

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Project

245' 36G/37.35266389, -85.24964167

Date

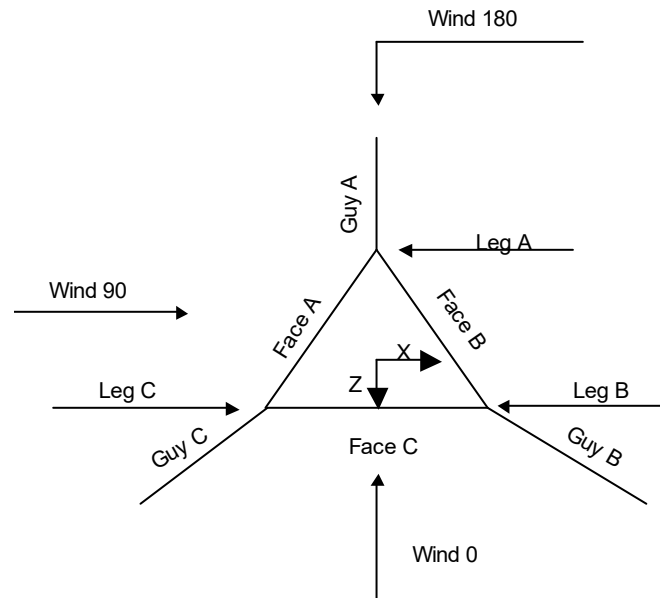
15:45:17 06/19/26

Client

APC Towers

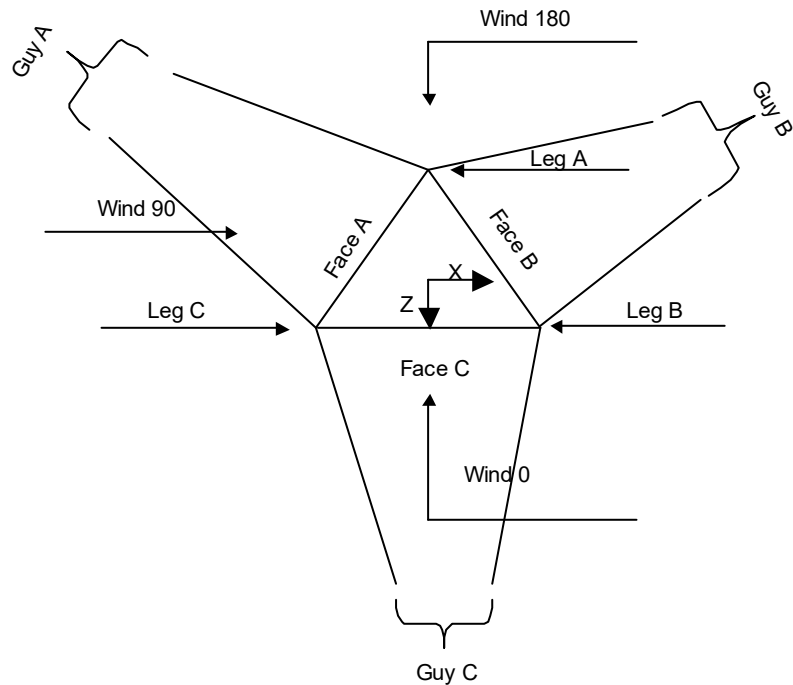
Designed by

Coody



Corner & Starmount Guyed Tower

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS# C516 - CK Acton (Site# KY-4161)	Page 3 of 47
	Project 245' 36G/37.35266389, -85.24964167	Date 15:45:17 06/19/26
	Client APC Towers	Designed by Coody



Face Guyed

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	245.000-225.000			3.000	1	20.000
T2	225.000-205.000			3.000	1	20.000
T3	205.000-185.000			3.000	1	20.000
T4	185.000-165.000			3.000	1	20.000
T5	165.000-145.000			3.000	1	20.000
T6	145.000-125.000			3.000	1	20.000
T7	125.000-105.000			3.000	1	20.000
T8	105.000-85.000			3.000	1	20.000
T9	85.000-65.000			3.000	1	20.000
T10	65.000-45.000			3.000	1	20.000
T11	45.000-25.000			3.000	1	20.000
T12	25.000-5.000			3.000	1	20.000
T13	5.000-0.000			3.000	1	5.000

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C516 - CK Acton (Site# KY-4161)	Page	4 of 47
	Project	245' 36G/37.35266389, -85.24964167	Date	15:45:17 06/19/26
	Client	APC Towers	Designed by	Coody

Tower Section Geometry (cont'd)

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Diagonal Spacing</i>	<i>Bracing Type</i>	<i>Has K Brace End Panels</i>	<i>Has Horizontals</i>	<i>Top Girt Offset</i>	<i>Bottom Girt Offset</i>
	<i>ft</i>	<i>ft</i>				<i>in</i>	<i>in</i>
T1	245.000-225.000	2.404	K Brace Right	No	Yes	4.625	4.625
T2	225.000-205.000	2.404	K Brace Right	No	Yes	4.625	4.625
T3	205.000-185.000	2.404	K Brace Right	No	Yes	4.625	4.625
T4	185.000-165.000	2.404	K Brace Right	No	Yes	4.625	4.625
T5	165.000-145.000	2.404	K Brace Right	No	Yes	4.625	4.625
T6	145.000-125.000	2.404	K Brace Right	No	Yes	4.625	4.625
T7	125.000-105.000	2.404	K Brace Right	No	Yes	4.625	4.625
T8	105.000-85.000	2.404	K Brace Right	No	Yes	4.625	4.625
T9	85.000-65.000	2.404	K Brace Right	No	Yes	4.625	4.625
T10	65.000-45.000	2.404	K Brace Right	No	Yes	4.625	4.625
T11	45.000-25.000	2.404	K Brace Right	No	Yes	4.625	4.625
T12	25.000-5.000	2.404	K Brace Right	No	Yes	4.625	4.625
T13	5.000-0.000	2.115	K Brace Right	No	Yes	4.625	4.625

Tower Section Geometry (cont'd)

<i>Tower Elevation</i>	<i>Leg Type</i>	<i>Leg Size</i>	<i>Leg Grade</i>	<i>Diagonal Type</i>	<i>Diagonal Size</i>	<i>Diagonal Grade</i>
<i>ft</i>						
T1	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
245.000-225.000						
T2	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
225.000-205.000						
T3	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
205.000-185.000						
T4	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
185.000-165.000						
T5	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
165.000-145.000						
T6	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
145.000-125.000						
T7	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
125.000-105.000						
T8	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
105.000-85.000						
T9	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
85.000-65.000						
T10	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
65.000-45.000						
T11	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
45.000-25.000						
T12	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
25.000-5.000						
T13	Solid Round	2 1/4	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
5.000-0.000						

Tower Section Geometry (cont'd)

<i>tnxTower</i> <i>B+T Group</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C516 - CK Acton (Site# KY-4161)	Page	5 of 47
	Project	245' 36G/37.35266389, -85.24964167	Date	15:45:17 06/19/26
	Client	APC Towers	Designed by	Coody

<i>Tower Elevation ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T1 245.000-225.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T2 225.000-205.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T3 205.000-185.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T4 185.000-165.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T5 165.000-145.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T6 145.000-125.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T7 125.000-105.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T8 105.000-85.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T9 85.000-65.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T10 65.000-45.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T11 45.000-25.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T12 25.000-5.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T13 5.000-0.000	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T1 245.000-225.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T2 225.000-205.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T3 205.000-185.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T4 185.000-165.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T5 165.000-145.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T6 145.000-125.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T7 125.000-105.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T8 105.000-85.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T9 85.000-65.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T10 65.000-45.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T11 45.000-25.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T12 25.000-5.000	None	Flat Bar		A36	Solid Round	3/4	A529-50

<i>tnxTower</i> <i>B+T Group</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C516 - CK Acton (Site# KY-4161)	Page	6 of 47
	Project	245' 36G/37.35266389, -85.24964167	Date	15:45:17 06/19/26
	Client	APC Towers	Designed by	Coody

<i>Tower Elevation</i> <i>ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T13 5.000-0.000	None	Flat Bar		(36 ksi) A36 (36 ksi)	Solid Round	3/4	(50 ksi) A529-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation</i> <i>ft</i>	<i>Gusset Area (per face)</i> <i>ft²</i>	<i>Gusset Thickness</i> <i>in</i>	<i>Gusset Grade</i>	<i>Adjust. Factor A_f</i>	<i>Adjust. Factor A_r</i>	<i>Weight Mult.</i>	<i>Double Angle Stitch Bolt Spacing Diagonals in</i>	<i>Double Angle Stitch Bolt Spacing Horizontals in</i>	<i>Double Angle Stitch Bolt Spacing Redundants in</i>
T1 245.000-225.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T2 225.000-205.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T3 205.000-185.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T4 185.000-165.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T5 165.000-145.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T6 145.000-125.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T7 125.000-105.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T8 105.000-85.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T9 85.000-65.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T10 65.000-45.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T11 45.000-25.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T12 25.000-5.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
T13 5.000-0.000	0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000

Tower Section Geometry (cont'd)

K Factors¹

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Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	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
ft										
T1 245.000-225.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 225.000-205.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 205.000-185.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 185.000-165.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T5 165.000-145.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T6 145.000-125.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T7 125.000-105.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T8 105.000-85.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T9 85.000-65.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T10 65.000-45.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T11 45.000-25.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T12 25.000-5.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T13 5.000-0.000	No	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

¹Note: 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		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
T1 245.000-225.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T2 225.000-205.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T3 205.000-185.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75

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Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T4 185.000-165.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T5 165.000-145.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T6 145.000-125.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T7 125.000-105.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T8 105.000-85.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T9 85.000-65.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T10 65.000-45.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T11 45.000-25.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T12 25.000-5.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T13 5.000-0.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	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	Net Width Deduct in	U	Net Width Deduct in	U
T1 245.000-225.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	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 225.000-205.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	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 205.000-185.000	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75	0.75 (1)	0.000	0.75 (1)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T4 185.000-165.0 00	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)
	0.000	0.75 (1)	0.000	0.75 (1)	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)
T5 165.000-145.0 00	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (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)
T6 145.000-125.0 00	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (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)
T7 125.000-105.0 00	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (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)
T8 105.000-85.00 0	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (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)
T9 85.000-65.000	0.000	0.75 (4)	0.000	0.75 (4)						0.000	0.75 (4)	0.000	0.75 (4)
	0.000	0.75 (1)	0.000	0.75 (1)	0.000	0.75	0.000	0.75	0.000	0.75 (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)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical	Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	Net Width Deduct in	U	Net Width Deduct in	U
T10 65.000-45.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	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 (3)	0.000	0.75 (3)								0.000	0.75 (3)
T11 45.000-25.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	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 (3)	0.000	0.75 (3)								0.000	0.75 (3)
T12 25.000-5.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	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 (3)	0.000	0.75 (3)								0.000	0.75 (3)
T13 5.000-0.000	0.000	0.75 (4)	0.000	0.75 (4)	0.000	0.75	0.000	0.75	0.000	0.75		0.000	0.75 (4)
	0.000	0.75 (1)	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 (3)	0.000	0.75 (3)								0.000	0.75 (3)
	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 (4)	0.000	0.75 (4)								0.000	0.75 (4)

Tower Section Geometry (cont'd)

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182.211	EHS	A	1/2	2.690	10%	21000.000	0.517	214.385	115.000	0.000	0.000	100%
		B	EModulus	2.690	10%	21000.000	0.517	214.385	115.000	0.000	0.000	100%
		C	1/2	2.690	10%	21000.000	0.517	214.385	115.000	0.000	0.000	100%
			EModulus 1/2									
235	EHS	A	9/16	3.500	10%	21000.000	0.671	260.666	115.000	0.000	0.000	100%
		B	EModulus	3.500	10%	21000.000	0.671	260.666	115.000	0.000	0.000	100%
		C	9/16	3.500	10%	21000.000	0.671	260.666	115.000	0.000	0.000	100%
			EModulus 9/16									
			EModulus									

Guy Data(cont'd)

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
55	Corner						
115	Corner						
182.211	Torque Arm	6.000	0.000	Channel	A529-50 (50 ksi)	Channel	C12x20.7
235	Torque Arm	6.000	0.000	Channel	A529-50 (50 ksi)	Channel	C12x20.7

Guy Data (cont'd)

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap	Pull-Off Grade	Pull-Off Type	Pull-Off Size
55.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
115.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
182.211	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
235.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8

Guy Data (cont'd)

Guy Elevation ft	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
55	0.034	0.034	0.034		1.397	1.397	1.397	
					2.0 sec/pulse	2.0 sec/pulse	2.0 sec/pulse	
115	0.044	0.044	0.044		2.284	2.284	2.284	
					2.6 sec/pulse	2.6 sec/pulse	2.6 sec/pulse	

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Guy Elevation	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
182.211	0.111	0.111	0.111		4.345	4.345	4.345	
					3.6 sec/pulse	3.6 sec/pulse	3.6 sec/pulse	
235	0.175	0.175	0.175		6.376	6.376	6.376	
					4.4 sec/pulse	4.4 sec/pulse	4.4 sec/pulse	

Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
55	No	No			0.8	0.8	1	1
115	No	No			0.8	0.8	1	1
182.211	No	No	1	1	0.8	0.8	1	1
235	No	No	1	1	0.8	0.8	1	1

Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
55	0.625 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
115	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
182.211	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1
235	0.000 A325N	0	0.000	0.75	0.625 A325N	0	0.000	1	0.625 A325N	0	0.000	1

Guy Pressures

Guy Elevation ft	Guy Location	z ft	q _z ksf	q _z Ice ksf	Ice Thickness in
55	A	27.500	0.022	0.002	1.473
	B	27.500	0.022	0.002	1.473
	C	27.500	0.022	0.002	1.473
115	A	57.500	0.026	0.002	1.586
	B	57.500	0.026	0.002	1.586
	C	57.500	0.026	0.002	1.586
182.211	A	91.105	0.029	0.002	1.660
	B	91.105	0.029	0.002	1.660
	C	91.105	0.029	0.002	1.660
235	A	117.500	0.031	0.002	1.703
	B	117.500	0.031	0.002	1.703
	C	117.500	0.031	0.002	1.703

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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" Hybrid (Carrier 1) **	C	No	No	Ar (CaAa)	240.000 - 10.000	0.000	0	18	9	0.750	1.625		0.001
1-5/8" Hybrid (Carrier 2) **	B	No	No	Ar (CaAa)	225.000 - 10.000	0.000	0	12	6	0.750	1.625		0.001
1-5/8" Hybrid (Carrier 3) **	A	No	No	Ar (CaAa)	210.000 - 10.000	0.000	0	12	6	0.750	1.625		0.001
Safety Line 3/8	A	No	No	Ar (CaAa)	245.000 - 10.000	0.000	0.45	1	1	0.375	0.375		0.000
Strobe Cable **	A	No	No	Ar (CaAa)	245.000 - 10.000	0.000	-0.45	1	1	1.250	1.250		0.001

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} 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} In Face ft ²	C _{AA} Out Face ft ²	Weight K
T1	245.000-225.000	A	0.000	0.000	3.250	0.000	0.018
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	43.875	0.000	0.281
T2	225.000-205.000	A	0.000	0.000	13.000	0.000	0.081
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T3	205.000-185.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T4	185.000-165.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T5	165.000-145.000	A	0.000	0.000	42.250	0.000	0.268
		B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
T6	145.000-125.000	A	0.000	0.000	42.250	0.000	0.268

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	Project	Date
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	APC Towers	Coody

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight K</i>
			<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	
T7	125.000-105.000	B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
T8	105.000-85.000	B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
T9	85.000-65.000	B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
T10	65.000-45.000	B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
T11	45.000-25.000	B	0.000	0.000	39.000	0.000	0.250
		C	0.000	0.000	58.500	0.000	0.374
		A	0.000	0.000	42.250	0.000	0.268
T12	25.000-5.000	B	0.000	0.000	29.250	0.000	0.187
		C	0.000	0.000	43.875	0.000	0.281
		A	0.000	0.000	31.688	0.000	0.201
T13	5.000-0.000	B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000
		A	0.000	0.000	0.000	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face or Leg</i>	<i>Ice Thickness in</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight K</i>
				<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	
T1	245.000-225.000	A	1.825	0.000	0.000	17.853	0.000	0.254
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	47.724	0.000	1.112
T2	225.000-205.000	A	1.809	0.000	0.000	29.434	0.000	0.506
		B		0.000	0.000	46.843	0.000	1.024
		C		0.000	0.000	63.531	0.000	1.475
T3	205.000-185.000	A	1.792	0.000	0.000	64.310	0.000	1.265
		B		0.000	0.000	46.727	0.000	1.018
		C		0.000	0.000	63.420	0.000	1.467
T4	185.000-165.000	A	1.772	0.000	0.000	64.028	0.000	1.254
		B		0.000	0.000	46.599	0.000	1.012
		C		0.000	0.000	63.300	0.000	1.458
T5	165.000-145.000	A	1.751	0.000	0.000	63.716	0.000	1.242
		B		0.000	0.000	46.459	0.000	1.004
		C		0.000	0.000	63.166	0.000	1.448
T6	145.000-125.000	A	1.727	0.000	0.000	63.366	0.000	1.229
		B		0.000	0.000	46.300	0.000	0.996
		C		0.000	0.000	63.015	0.000	1.437
T7	125.000-105.000	A	1.699	0.000	0.000	62.965	0.000	1.213
		B		0.000	0.000	46.119	0.000	0.986
		C		0.000	0.000	62.844	0.000	1.424
T8	105.000-85.000	A	1.667	0.000	0.000	62.496	0.000	1.196
		B		0.000	0.000	45.907	0.000	0.975
		C		0.000	0.000	62.643	0.000	1.410
T9	85.000-65.000	A	1.628	0.000	0.000	61.928	0.000	1.175
		B		0.000	0.000	45.651	0.000	0.962
		C		0.000	0.000	62.400	0.000	1.392
T10	65.000-45.000	A	1.579	0.000	0.000	61.203	0.000	1.148
		B		0.000	0.000	45.324	0.000	0.945

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
T11	45.000-25.000	C	1.509	0.000	0.000	62.090	0.000	1.370
		A		0.000	0.000	60.187	0.000	1.111
		B		0.000	0.000	44.867	0.000	0.922
T12	25.000-5.000	C	1.386	0.000	0.000	61.656	0.000	1.339
		A		0.000	0.000	43.803	0.000	0.786
		B		0.000	0.000	33.048	0.000	0.661
T13	5.000-0.000	C	1.159	0.000	0.000	45.671	0.000	0.963
		A		0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	245.000-225.000	-0.628	2.516	-0.926	0.644
T2	225.000-205.000	0.830	-1.149	0.093	-0.611
T3	205.000-185.000	-0.400	-2.262	-0.742	-1.305
T4	185.000-165.000	-0.386	-2.188	-0.701	-1.237
T5	165.000-145.000	-0.404	-2.294	-0.759	-1.353
T6	145.000-125.000	-0.404	-2.294	-0.760	-1.367
T7	125.000-105.000	-0.391	-2.217	-0.721	-1.305
T8	105.000-85.000	-0.404	-2.294	-0.764	-1.400
T9	85.000-65.000	-0.404	-2.294	-0.765	-1.421
T10	65.000-45.000	-0.391	-2.217	-0.729	-1.375
T11	45.000-25.000	-0.404	-2.294	-0.768	-1.487
T12	25.000-5.000	-0.377	-2.110	-0.678	-1.360
T13	5.000-0.000	0.000	0.000	0.000	0.000

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" Hybrid	225.00 - 240.00	0.6000	0.4119
T1	7	Safety Line 3/8	225.00 - 245.00	0.6000	0.4119
T1	8	Strobe Cable	225.00 - 245.00	0.6000	0.4119
T2	1	1-5/8" Hybrid	205.00 - 225.00	0.6000	0.4415
T2	3	1-5/8" Hybrid	205.00 - 225.00	0.6000	0.4415
T2	5	1-5/8" Hybrid	205.00 - 210.00	0.6000	0.4415
T2	7	Safety Line 3/8	205.00 - 225.00	0.6000	0.4415
T2	8	Strobe Cable	205.00 - 225.00	0.6000	0.4415
T3	1	1-5/8" Hybrid	185.00 -	0.6000	0.4451

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T3	3	1-5/8" Hybrid	205.00 185.00 - 205.00	0.6000	0.4451
T3	5	1-5/8" Hybrid	185.00 - 205.00	0.6000	0.4451
T3	7	Safety Line 3/8	185.00 - 205.00	0.6000	0.4451
T3	8	Strobe Cable	185.00 - 205.00	0.6000	0.4451
T4	1	1-5/8" Hybrid	165.00 - 185.00	0.6000	0.4229
T4	3	1-5/8" Hybrid	165.00 - 185.00	0.6000	0.4229
T4	5	1-5/8" Hybrid	165.00 - 185.00	0.6000	0.4229
T4	7	Safety Line 3/8	165.00 - 185.00	0.6000	0.4229
T4	8	Strobe Cable	165.00 - 185.00	0.6000	0.4229
T5	1	1-5/8" Hybrid	145.00 - 165.00	0.6000	0.4622
T5	3	1-5/8" Hybrid	145.00 - 165.00	0.6000	0.4622
T5	5	1-5/8" Hybrid	145.00 - 165.00	0.6000	0.4622
T5	7	Safety Line 3/8	145.00 - 165.00	0.6000	0.4622
T5	8	Strobe Cable	145.00 - 165.00	0.6000	0.4622
T6	1	1-5/8" Hybrid	125.00 - 145.00	0.6000	0.4671
T6	3	1-5/8" Hybrid	125.00 - 145.00	0.6000	0.4671
T6	5	1-5/8" Hybrid	125.00 - 145.00	0.6000	0.4671
T6	7	Safety Line 3/8	125.00 - 145.00	0.6000	0.4671
T6	8	Strobe Cable	125.00 - 145.00	0.6000	0.4671
T7	1	1-5/8" Hybrid	105.00 - 125.00	0.6000	0.4471
T7	3	1-5/8" Hybrid	105.00 - 125.00	0.6000	0.4471
T7	5	1-5/8" Hybrid	105.00 - 125.00	0.6000	0.4471
T7	7	Safety Line 3/8	105.00 - 125.00	0.6000	0.4471
T7	8	Strobe Cable	105.00 - 125.00	0.6000	0.4471
T8	1	1-5/8" Hybrid	85.00 - 105.00	0.6000	0.4793
T8	3	1-5/8" Hybrid	85.00 - 105.00	0.6000	0.4793
T8	5	1-5/8" Hybrid	85.00 - 105.00	0.6000	0.4793
T8	7	Safety Line 3/8	85.00 - 105.00	0.6000	0.4793
T8	8	Strobe Cable	85.00 - 105.00	0.6000	0.4793
T9	1	1-5/8" Hybrid	65.00 - 85.00	0.6000	0.4874
T9	3	1-5/8" Hybrid	65.00 - 85.00	0.6000	0.4874
T9	5	1-5/8" Hybrid	65.00 - 85.00	0.6000	0.4874
T9	7	Safety Line 3/8	65.00 - 85.00	0.6000	0.4874
T9	8	Strobe Cable	65.00 - 85.00	0.6000	0.4874
T10	1	1-5/8" Hybrid	45.00 - 65.00	0.6000	0.4727
T10	3	1-5/8" Hybrid	45.00 - 65.00	0.6000	0.4727
T10	5	1-5/8" Hybrid	45.00 - 65.00	0.6000	0.4727

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T10	7	Safety Line 3/8	45.00 - 65.00	0.6000	0.4727
T10	8	Strobe Cable	45.00 - 65.00	0.6000	0.4727
T11	1	1-5/8" Hybrid	25.00 - 45.00	0.6000	0.5122
T11	3	1-5/8" Hybrid	25.00 - 45.00	0.6000	0.5122
T11	5	1-5/8" Hybrid	25.00 - 45.00	0.6000	0.5122
T11	7	Safety Line 3/8	25.00 - 45.00	0.6000	0.5122
T11	8	Strobe Cable	25.00 - 45.00	0.6000	0.5122
T12	1	1-5/8" Hybrid	10.00 - 25.00	0.6000	0.5380
T12	3	1-5/8" Hybrid	10.00 - 25.00	0.6000	0.5380
T12	5	1-5/8" Hybrid	10.00 - 25.00	0.6000	0.5380
T12	7	Safety Line 3/8	10.00 - 25.00	0.6000	0.5380
T12	8	Strobe Cable	10.00 - 25.00	0.6000	0.5380

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horiz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		$C_A A_A$ Front ft ²	$C_A A_A$ Side ft ²	Weight K
5' Lightning Rod	C	From Leg	0.000 0.000 3.000	0.000	245.000	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 1.000	0.000	245.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.700 3.100 3.500 4.300	2.700 3.100 3.500 4.300	0.050 0.070 0.090 0.130
**									
Sector1(CaAa=14000 Sq.in)No Ice (Carrier 1)	A	From Leg	4.000 0.000 0.000	0.000	240.000	No Ice 1/2" Ice 1" Ice 2" Ice	97.222 121.527 145.832 194.442	65.138 81.423 97.708 130.278	0.700 1.400 2.100 3.500
Sector2(CaAa=14000 Sq.in)No Ice (Carrier 1)	B	From Leg	4.000 0.000 0.000	0.000	240.000	No Ice 1/2" Ice 1" Ice 2" Ice	97.222 121.527 145.832 194.442	65.138 81.423 97.708 130.278	0.700 1.400 2.100 3.500
Sector3(CaAa=14000 Sq.in)No Ice (Carrier 1)	C	From Leg	4.000 0.000 0.000	0.000	240.000	No Ice 1/2" Ice 1" Ice 2" Ice	97.222 121.527 145.832 194.442	65.138 81.423 97.708 130.278	0.700 1.400 2.100 3.500
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	A	From Leg	4.000 0.000 0.000	0.000	225.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	B	From Leg	4.000 0.000 0.000	0.000	225.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	C	From Leg	4.000 0.000 0.000	0.000	225.000	No Ice 1/2" Ice 1" Ice	69.444 86.805 104.166	46.527 58.159 69.791	0.700 1.400 2.100

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
**						2" Ice	138.888	93.055	3.500
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	A	From Leg	4.000 0.000 0.000	0.000	210.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	B	From Leg	4.000 0.000 0.000	0.000	210.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	C	From Leg	4.000 0.000 0.000	0.000	210.000	No Ice 1/2" Ice 1" Ice 2" Ice	69.444 86.805 104.166 138.888	46.527 58.159 69.791 93.055	0.700 1.400 2.100 3.500
**									

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy

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Comb. No.	Description
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

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	245 - 225	Leg	Max Tension	9	9.287	-0.052	0.024
			Max. Compression	3	-41.406	0.131	-0.232
			Max. Mx	5	-16.236	-0.445	-0.017
			Max. My	2	-34.189	0.004	0.431
			Max. Vy	5	2.161	-0.164	0.025
			Max. Vx	3	-2.126	-0.060	0.156
		Diagonal	Max Tension	5	7.320	0.000	0.000
			Max. Compression	11	-7.328	0.000	0.000
			Max. Mx	20	-0.806	0.014	0.000
			Max. My	5	-0.878	0.000	-0.000
			Max. Vy	20	-0.014	0.000	0.000
			Max. Vx	5	0.000	0.000	0.000
		Horizontal	Max Tension	3	2.530	0.000	0.000
			Max. Compression	9	-2.559	0.000	0.000
			Max. Mx	21	0.058	0.008	0.000
			Max. My	11	0.246	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Top Girt	Max Tension	9	0.079	0.000	0.000
			Max. Compression	3	-0.081	0.000	0.000
			Max. Mx	15	0.007	0.008	0.000
			Max. My	5	-0.041	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	5	-0.000	0.000	0.000
		Bottom Girt	Max Tension	8	1.968	0.000	0.000
			Max. Compression	2	-1.732	0.000	0.000
			Max. Mx	15	0.193	0.008	0.000
			Max. My	5	-1.394	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	5	-0.000	0.000	0.000
		Guy A	Bottom Tension	9	18.986		
			Top Tension	9	19.139		
			Top Cable Vert	9	17.243		
			Top Cable Norm	9	8.303		
			Top Cable Tan	9	0.097		
			Bot Cable Vert	9	-16.947		
		Guy B	Bot Cable Norm	9	8.554		
			Bot Cable Tan	9	0.265		
			Bottom Tension	13	18.772		
			Top Tension	13	18.925		
			Top Cable Vert	13	17.053		
			Top Cable Norm	13	8.207		
			Top Cable Tan	13	0.092		
			Bot Cable Vert	13	-16.757		
			Bot Cable Norm	13	8.458		
			Bot Cable Tan	13	0.260		

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T2	225 - 205	Guy C	Bottom Tension	3	18.960		
			Top Tension	3	19.113		
			Top Cable Vert	3	17.220		
			Top Cable Norm	3	8.292		
			Top Cable Tan	3	0.097		
			Bot Cable Vert	3	-16.924		
			Bot Cable Norm	3	8.542		
			Bot Cable Tan	3	0.264		
		Top Guy Pull-Off	Max Tension	3	6.444	0.000	0.000
			Max. Compression	9	-6.460	0.000	0.000
			Max. Mx	15	-0.865	0.026	0.000
			Max. My	5	3.657	0.000	0.000
			Max. Vy	15	-0.035	0.000	0.000
			Max. Vx	5	-0.000	0.000	0.000
		Torque Arm Top	Max Tension	9	9.234	0.000	0.000
			Max. Compression	9	-4.495	0.000	0.000
			Max. Mx	9	0.406	-52.384	-0.000
			Max. My	5	-1.453	-24.907	0.000
			Max. Vy	9	17.499	-52.384	-0.000
			Max. Vx	5	0.000	-24.907	0.000
			Max Tension	2	3.261	-0.045	-0.255
			Max. Compression	3	-43.584	0.094	0.070
			Max. Mx	5	-7.313	1.147	-0.334
			Max. My	9	-11.836	-0.320	1.167
		Diagonal	Max. Vy	11	-2.915	0.021	-0.065
			Max. Vx	3	-2.958	0.367	-1.089
			Max Tension	7	8.590	0.000	0.000
			Max. Compression	13	-8.871	0.000	0.000
			Max. Mx	20	1.192	0.014	0.000
			Max. My	11	0.805	0.000	0.000
			Max. Vy	20	-0.014	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
		Horizontal	Max Tension	3	1.748	0.000	0.000
			Max. Compression	9	-1.544	0.000	0.000
			Max. Mx	15	0.201	0.008	0.000
			Max. My	11	-0.952	0.000	0.000
			Max. Vy	15	-0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.640	0.000	0.000
			Max. Compression	9	-0.575	0.000	0.000
			Max. Mx	15	0.043	0.008	0.000
			Max. My	5	-0.494	0.000	0.000
		Bottom Girt	Max. Vy	15	-0.011	0.000	0.000
			Max. Vx	5	-0.000	0.000	0.000
			Max Tension	13	3.051	0.000	0.000
			Max. Compression	7	-3.014	0.000	0.000
			Max. Mx	21	0.241	0.008	0.000
			Max. My	5	3.031	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	5	-0.000	0.000	0.000
		Leg	Max Tension	8	20.364	0.084	1.063
			Max. Compression	2	-67.166	-0.103	0.029
			Max. Mx	5	-50.903	1.384	-0.392
			Max. My	9	-58.639	-0.410	1.428
			Max. Vy	5	3.584	0.003	-0.081
			Max. Vx	9	3.589	0.070	0.045
		Diagonal	Max Tension	3	10.112	0.000	0.000
			Max. Compression	13	-10.394	0.000	0.000
			Max. Mx	22	0.981	0.013	0.000
			Max. My	5	-0.102	0.000	-0.000
			Max. Vy	22	0.014	0.000	0.000

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T4	185 - 165	Horizontal	Max. Vx	5	0.000	0.000	0.000
			Max Tension	9	1.214	0.000	0.000
			Max. Compression	3	-0.914	0.000	0.000
			Max. Mx	14	0.151	0.008	0.000
			Max. My	11	0.908	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	3.150	0.000	0.000
			Max. Compression	13	-2.964	0.000	0.000
			Max. Mx	21	-0.122	0.008	0.000
			Max. My	5	-2.940	0.000	0.000
			Max. Vy	21	-0.011	0.000	0.000
		Bottom Girt	Max. Vx	5	-0.000	0.000	0.000
			Max Tension	9	3.941	0.000	0.000
			Max. Compression	3	-3.102	0.000	0.000
			Max. Mx	14	0.064	0.008	0.000
			Max. My	5	3.854	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Leg	Max. Vx	5	-0.000	0.000	0.000
			Max Tension	8	24.615	-0.151	-1.106
			Max. Compression	2	-74.138	-0.225	0.090
			Max. Mx	11	10.456	1.396	-0.295
			Max. My	3	11.100	-0.492	1.390
			Max. Vy	5	3.585	-1.379	0.237
		Diagonal	Max. Vx	9	3.600	0.545	-1.342
			Max Tension	13	10.250	0.000	0.000
			Max. Compression	3	-10.485	0.000	0.000
			Max. Mx	22	1.445	0.013	0.000
			Max. My	5	-1.106	0.000	-0.000
			Max. Vy	22	-0.014	0.000	0.000
		Horizontal	Max. Vx	5	0.000	0.000	0.000
			Max Tension	9	1.195	0.000	0.000
			Max. Compression	3	-1.148	0.000	0.000
			Max. Mx	14	0.226	0.008	0.000
			Max. My	11	0.704	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	3	3.199	0.000	0.000
			Max. Compression	9	-3.874	0.000	0.000
			Max. Mx	14	0.065	0.008	0.000
			Max. My	11	3.150	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Bottom Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	1.369	0.000	0.000
			Max. Compression	7	-1.165	0.000	0.000
			Max. Mx	14	0.131	0.008	0.000
			Max. My	5	-0.141	0.000	0.000
			Max. Vy	14	-0.011	0.000	0.000
		Guy A	Max. Vx	5	-0.000	0.000	0.000
			Bottom Tension	9	14.105		
			Top Tension	9	14.197		
			Top Cable Vert	9	12.072		
			Top Cable Norm	9	7.471		
			Top Cable Tan	9	0.050		
		Guy B	Bot Cable Vert	9	-11.871		
			Bot Cable Norm	9	7.615		
			Bot Cable Tan	9	0.173		
			Bottom Tension	13	14.012		
			Top Tension	13	14.104		
			Top Cable Vert	13	11.994		
			Top Cable Norm	13	7.421		

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T5	165 - 145	Guy C	Top Cable Tan	13	0.048		
			Bot Cable Vert	13	-11.793		
			Bot Cable Norm	13	7.565		
			Bot Cable Tan	13	0.171		
			Bottom Tension	3	14.112		
			Top Tension	3	14.204		
			Top Cable Vert	3	12.073		
			Top Cable Norm	3	7.482		
			Top Cable Tan	3	0.051		
			Bot Cable Vert	3	-11.870		
		Top Guy Pull-Off	Bot Cable Norm	3	7.630		
			Bot Cable Tan	3	0.162		
			Max Tension	9	6.760	0.000	0.000
			Max. Compression	3	-6.499	0.000	0.000
			Max. Mx	21	1.050	0.026	0.000
		Torque Arm Top	Max. My	11	3.985	0.000	0.000
			Max. Vy	21	-0.034	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	3	8.390	0.000	0.000
			Max. Compression	3	-4.074	0.000	0.000
		Leg	Max. Mx	9	-4.050	-37.740	0.000
			Max. My	11	-1.380	-17.706	-0.000
			Max. Vy	9	12.617	-37.740	0.000
			Max. Vx	11	-0.000	-17.706	-0.000
			Max Tension	1	0.000	0.000	0.000
		Diagonal	Max. Compression	10	-59.854	-0.139	0.250
			Max. Mx	11	-28.417	-0.441	-0.033
			Max. My	7	-30.372	0.234	0.484
			Max. Vy	5	-1.011	-0.131	-0.020
			Max. Vx	13	1.154	0.054	0.128
		Horizontal	Max Tension	13	2.305	0.000	0.000
			Max. Compression	7	-2.543	0.000	0.000
			Max. Mx	22	-0.326	0.010	0.000
			Max. My	11	1.142	0.000	0.000
			Max. Vy	22	0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.552	0.000	0.000
			Max. Compression	13	-0.200	0.000	0.000
			Max. Mx	19	0.231	0.008	0.000
			Max. My	11	0.049	0.000	0.000
		Bottom Girt	Max. Vy	19	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	1.252	0.000	0.000
			Max. Compression	13	-1.134	0.000	0.000
			Max. Mx	23	-0.012	0.008	0.000
T6	145 - 125	Leg	Max. My	5	0.258	0.000	0.000
			Max. Vy	23	0.011	0.000	0.000
			Max. Vx	5	-0.000	0.000	0.000
			Max Tension	13	0.692	0.000	0.000
			Max. Compression	7	-0.483	0.000	0.000
		Diagonal	Max. Mx	19	0.129	0.008	0.000
			Max. My	11	-0.070	0.000	0.000
			Max. Vy	19	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
		Leg	Max. Compression	10	-55.947	0.081	0.112
			Max. Mx	13	-46.884	-0.353	-0.181
			Max. My	9	-46.448	0.018	0.383
			Max. Vy	5	0.612	0.047	-0.110
			Max. Vx	9	0.733	0.071	0.100
		Diagonal	Max Tension	7	1.726	0.000	0.000

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T7	125 - 105	Horizontal	Max. Compression	13	-2.330	0.000	0.000
			Max. Mx	22	-0.108	0.010	0.000
			Max. My	11	0.397	0.000	0.000
			Max. Vy	22	0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	0.464	0.000	0.000
			Max. Compression	7	-0.059	0.000	0.000
			Max. Mx	19	0.238	0.008	0.000
			Max. My	11	0.177	0.000	0.000
			Max. Vy	19	-0.011	0.000	0.000
		Top Girt	Max. Vx	11	-0.000	0.000	0.000
			Max Tension	7	0.566	0.000	0.000
			Max. Compression	13	-0.452	0.000	0.000
			Max. Mx	19	0.049	0.008	0.000
			Max. My	11	0.271	0.000	0.000
		Bottom Girt	Max. Vy	19	-0.011	0.000	0.000
			Max. Vx	11	-0.000	0.000	0.000
			Max Tension	13	0.834	0.000	0.000
			Max. Compression	7	-0.588	0.000	0.000
			Max. Mx	14	0.113	0.008	0.000
		Leg	Max. My	13	0.834	0.000	-0.000
			Max. Vy	14	-0.011	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	10	-60.429	-0.106	-0.185
		Diagonal	Max. Mx	5	-33.963	-0.398	-0.050
			Max. My	2	-40.139	0.039	0.403
			Max. Vy	5	-0.717	-0.398	-0.050
			Max. Vx	9	0.753	0.120	-0.190
			Max Tension	13	2.046	0.000	0.000
		Horizontal	Max. Compression	13	-2.475	0.000	0.000
			Max. Mx	26	0.192	0.010	0.000
			Max. My	13	-1.757	0.000	0.000
			Max. Vy	26	-0.010	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Top Girt	Max Tension	7	0.487	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	25	0.249	0.008	0.000
			Max. My	13	0.141	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	7	0.798	0.000	0.000
			Max. Compression	13	-0.714	0.000	0.000
			Max. Mx	14	0.064	0.008	0.000
			Max. My	13	-0.714	0.000	-0.000
		Guy A	Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	13	0.915	0.000	0.000
			Max. Compression	7	-0.680	0.000	0.000
			Max. Mx	25	0.073	0.008	0.000
			Max. My	13	-0.252	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Bottom Tension	9	7.408		
			Top Tension	9	7.438		
			Top Cable Vert	9	5.313		
			Top Cable Norm	9	5.206		
			Top Cable Tan	9	0.012		
			Bot Cable Vert	9	-5.223		
			Bot Cable Norm	9	5.253		
			Bot Cable Tan	9	0.065		

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	Project	Date
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	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T8	105 - 85	Guy B	Bottom Tension	13	7.420		
			Top Tension	13	7.451		
			Top Cable Vert	13	5.322		
			Top Cable Norm	13	5.215		
			Top Cable Tan	13	0.011		
			Bot Cable Vert	13	-5.231		
			Bot Cable Norm	13	5.262		
			Bot Cable Tan	13	0.065		
		Guy C	Bottom Tension	3	7.419		
			Top Tension	3	7.450		
			Top Cable Vert	3	5.321		
			Top Cable Norm	3	5.214		
			Top Cable Tan	3	0.012		
			Bot Cable Vert	3	-5.231		
			Bot Cable Norm	3	5.261		
			Bot Cable Tan	3	0.065		
		Top Guy Pull-Off	Max Tension	7	2.756	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	25	1.117	0.025	0.000
			Max. My	13	2.604	0.000	-0.000
			Max. Vy	25	-0.033	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	10	-54.845	-0.124	0.248
		Leg	Max. Mx	11	-33.951	-0.358	-0.018
			Max. My	7	-35.774	0.175	0.354
			Max. Vy	5	-0.732	-0.122	-0.012
			Max. Vx	13	0.739	0.055	0.114
		Diagonal	Max Tension	2	1.292	0.000	0.000
			Max. Compression	2	-1.524	0.000	0.000
			Max. Mx	16	-0.257	0.010	0.000
			Max. My	13	-0.583	0.000	0.000
			Max. Vy	16	0.010	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Horizontal	Max Tension	7	0.466	0.000	0.000
			Max. Compression	13	-0.079	0.000	0.000
			Max. Mx	14	0.212	0.008	0.000
			Max. My	13	0.308	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	7	0.780	0.000	0.000
			Max. Compression	13	-0.663	0.000	0.000
			Max. Mx	25	0.112	0.008	0.000
			Max. My	13	0.378	0.000	-0.000
			Max. Vy	25	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Bottom Girt	Max Tension	5	0.286	0.000	0.000
			Max. Compression	11	-0.093	0.000	0.000
			Max. Mx	14	0.126	0.008	0.000
			Max. My	13	0.219	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
T9	85 - 65	Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	2	-53.888	-0.152	0.007
			Max. Mx	13	-48.071	-0.295	-0.225
			Max. My	8	-34.058	0.027	0.374
			Max. Vy	5	0.593	0.058	-0.116
			Max. Vx	8	0.760	0.053	0.082
		Diagonal	Max Tension	3	1.383	0.000	0.000
			Max. Compression	9	-1.993	0.000	0.000
			Max. Mx	26	-0.054	0.009	0.000

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	Project	Date
	245' 36G/37.35266389, -85.24964167	15:45:17 06/19/26
	Client	Designed by
	APC Towers	Coody

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T10	65 - 45	Horizontal	Max. My	13	0.550	0.000	0.000
			Max. Vy	26	0.010	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	8	0.464	0.000	0.000
			Max. Compression	2	-0.036	0.000	0.000
		Top Girt	Max. Mx	14	0.236	0.007	0.000
			Max. My	13	0.449	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	3	0.230	0.000	0.000
		Bottom Girt	Max. Compression	5	-0.115	0.000	0.000
			Max. Mx	14	0.068	0.007	0.000
			Max. My	13	-0.095	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Leg	Max Tension	2	0.758	0.000	0.000
			Max. Compression	8	-0.595	0.000	0.000
			Max. Mx	14	0.128	0.007	0.000
			Max. My	13	0.676	0.000	-0.000
			Max. Vy	14	0.010	0.000	0.000
		Diagonal	Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	2	-60.415	0.232	-0.006
			Max. Mx	6	-43.256	-0.379	-0.163
			Max. My	2	-44.676	0.042	0.423
		Horizontal	Max. Vy	11	0.648	0.320	-0.123
			Max. Vx	8	0.773	0.076	-0.216
			Max Tension	9	1.664	0.000	0.000
			Max. Compression	7	-2.261	0.000	0.000
			Max. Mx	26	0.168	0.009	0.000
		Top Girt	Max. My	13	0.505	0.000	0.000
			Max. Vy	26	0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	7	0.500	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
		Bottom Girt	Max. Mx	14	0.250	0.007	0.000
			Max. My	13	0.044	0.000	-0.000
			Max. Vy	14	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	8	0.815	0.000	0.000
		Guy A	Max. Compression	2	-0.628	0.000	0.000
			Max. Mx	14	0.070	0.007	0.000
			Max. My	13	-0.538	0.000	-0.000
			Max. Vy	14	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Guy B	Bottom Tension	8	5.909		
			Top Tension	8	5.924		
			Top Cable Vert	8	2.602		
			Top Cable Norm	8	5.322		
			Top Cable Tan	8	0.000		
		Guy C	Bot Cable Vert	8	-2.552		
			Bot Cable Norm	8	5.330		
			Bot Cable Tan	8	0.000		
			Bottom Tension	13	5.906		
			Top Tension	13	5.921		

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T11	45 - 25	Guy C	Top Cable Vert	13	2.602		
			Top Cable Norm	13	5.319		
			Top Cable Tan	13	0.001		
			Bot Cable Vert	13	-2.549		
			Bot Cable Norm	13	5.328		
			Bot Cable Tan	13	0.030		
			Bottom Tension	3	5.877		
			Top Tension	3	5.892		
			Top Cable Vert	3	2.589		
			Top Cable Norm	3	5.292		
		Top Guy Pull-Off	Top Cable Tan	3	0.002		
			Bot Cable Vert	3	-2.536		
			Bot Cable Norm	3	5.302		
			Bot Cable Tan	3	0.030		
			Max Tension	7	2.832	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	1.579	0.024	0.000
			Max. My	13	2.690	0.000	-0.000
			Max. Vy	14	0.032	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	21	-56.470	-0.177	0.001
			Max. Mx	11	-39.350	-0.315	-0.001
			Max. My	2	-45.850	0.058	-0.348
			Max. Vy	11	0.659	0.070	-0.109
			Max. Vx	2	0.765	0.071	0.137
		Diagonal	Max Tension	7	1.678	0.000	0.000
			Max. Compression	13	-1.932	0.000	0.000
			Max. Mx	16	-0.348	0.009	0.000
			Max. My	13	-0.734	0.000	0.000
			Max. Vy	16	0.009	0.000	0.000
		Horizontal	Max. Vx	13	-0.000	0.000	0.000
			Max Tension	13	0.435	0.000	0.000
			Max. Compression	2	-0.052	0.000	0.000
			Max. Mx	23	0.264	0.007	0.000
			Max. My	13	0.435	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	2	0.769	0.000	0.000
			Max. Compression	8	-0.585	0.000	0.000
			Max. Mx	14	0.062	0.007	0.000
			Max. My	13	0.692	0.000	-0.000
			Max. Vy	14	-0.009	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	7	0.375	0.000	0.000
			Max. Compression	13	-0.151	0.000	0.000
			Max. Mx	23	0.163	0.007	0.000
			Max. My	13	-0.151	0.000	-0.000
			Max. Vy	23	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	16	-57.435	-2.723	1.633
			Max. Mx	24	-57.377	2.772	1.538
			Max. My	21	-57.385	-0.059	-3.171
			Max. Vy	18	8.297	-2.720	1.634
			Max. Vx	21	9.551	-0.059	-3.171
		Diagonal	Max Tension	13	0.741	0.000	0.000
			Max. Compression	7	-1.192	0.000	0.000
			Max. Mx	16	-0.081	0.008	0.000
			Max. My	15	-0.235	0.000	0.000
			Max. Vy	16	0.008	0.000	0.000

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T13	5 - 0	Horizontal	Max. Vx	15	-0.000	0.000	0.000
			Max Tension	21	0.311	0.000	0.000
			Max. Compression	13	-0.145	0.000	0.000
			Max. Mx	23	-0.011	0.006	0.000
			Max. My	13	0.302	0.000	-0.000
			Max. Vy	23	0.008	0.000	0.000
		Top Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	13	0.291	0.000	0.000
			Max. Compression	7	-0.146	0.000	0.000
			Max. Mx	23	0.050	0.006	0.000
			Max. My	13	0.291	0.000	-0.000
			Max. Vy	23	0.008	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	22	5.704	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	23	5.668	0.006	0.000
			Max. My	13	4.412	0.000	-0.000
			Max. Vy	23	0.008	0.000	0.000
		Leg	Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	22	-60.716	0.167	0.362
			Max. Mx	16	-57.348	3.174	-0.050
			Max. My	13	-44.228	-0.038	-1.017
			Max. Vy	19	10.084	-0.944	-0.025
		Diagonal	Max. Vx	7	-2.351	-0.332	0.861
			Max Tension	7	0.522	0.000	0.000
			Max. Compression	22	-7.776	0.000	0.000
			Max. Mx	15	-0.496	0.005	0.000
			Max. My	13	-1.232	0.000	0.000
			Max. Vy	15	-0.007	0.000	0.000
		Horizontal	Max. Vx	13	-0.000	0.000	0.000
			Max Tension	13	0.525	0.000	0.000
			Max. Compression	7	-0.150	0.000	0.000
			Max. Mx	23	0.230	0.001	0.000
			Max. My	13	0.480	0.000	-0.000
			Max. Vy	23	-0.003	0.000	0.000
		Top Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	15	6.551	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	23	6.527	0.004	0.000
			Max. My	13	5.294	0.000	-0.000
			Max. Vy	23	-0.006	0.000	0.000
		Bottom Girt	Max. Vx	13	0.000	0.000	0.000
			Max Tension	7	2.018	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	1.927	0.000	0.000
			Max. Vy	14	-0.001	0.000	0.000

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Mast	Max. Vert	15	172.198	-0.007	-0.064
	Max. H _x	6	142.689	0.637	0.374
	Max. H _z	10	143.550	-0.647	0.376
	Max. M _x	1	0.000	-0.001	0.005

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Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Guy C @ 115 ft Elev 0 ft Azimuth 240 deg	Max. M _z	1	0.000	-0.001	0.005
	Max. Torsion	13	0.626	0.061	-0.660
	Min. Vert	1	66.481	-0.001	0.005
	Min. H _x	10	143.550	-0.647	0.376
	Min. H _z	2	149.863	0.001	-1.030
	Min. M _x	1	0.000	-0.001	0.005
	Min. M _z	1	0.000	-0.001	0.005
	Min. Torsion	7	-0.943	0.602	0.285
	Max. Vert	35	-1.645	-1.154	0.667
	Max. H _x	10	-1.749	-0.483	0.279
	Max. H _z	3	-64.795	-36.382	22.136
	Min. Vert	3	-64.795	-36.382	22.136
	Min. H _x	3	-64.795	-36.382	22.136
	Min. H _z	9	-2.264	-0.991	0.189
	Max. Vert	31	-1.727	1.193	0.689
Guy B @ 115 ft Elev 0 ft Azimuth 120 deg	Max. H _x	13	-64.294	36.166	21.993
	Max. H _z	13	-64.294	36.166	21.993
	Min. Vert	13	-64.294	36.166	21.993
	Min. H _x	6	-1.761	0.489	0.282
	Min. H _z	7	-2.279	0.998	0.193
	Max. Vert	27	-1.106	-0.000	-0.899
Guy A @ 115 ft Elev 0 ft Azimuth 0 deg	Max. H _x	10	-53.771	1.303	-34.594
	Max. H _z	2	-1.688	-0.000	-0.515
	Min. Vert	9	-64.833	0.978	-42.584
	Min. H _x	6	-53.337	-1.290	-34.379
	Min. H _z	9	-64.833	0.978	-42.584

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	66.481	0.001	-0.005	0.000	0.000	0.077
1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy	149.863	-0.001	1.030	0.000	0.000	0.029
1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy	134.925	0.059	0.667	0.000	0.000	0.677
1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy	103.858	0.109	-0.061	0.000	0.000	0.307
1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy	128.876	-0.366	-0.306	0.000	0.000	-0.105
1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy	142.689	-0.637	-0.374	0.000	0.000	0.470
1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy	134.249	-0.602	-0.285	0.000	0.000	0.943
1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy	106.436	0.002	0.085	0.000	0.000	0.284
1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy	134.982	0.613	-0.290	0.000	0.000	-0.365
1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy	143.550	0.647	-0.376	0.000	0.000	0.016

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	APC Towers	Coody

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy	128.879	0.369	-0.304	0.000	0.000	0.402
1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy	103.514	-0.110	-0.060	0.000	0.000	-0.246
1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy	134.195	-0.061	0.660	0.000	0.000	-0.626
1.2 Dead+1.0 Ice+1.0 Temp+Guy	170.930	0.008	-0.011	0.000	0.000	0.193
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.198	0.007	0.064	0.000	0.000	0.152
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.032	-0.025	0.045	0.000	0.000	0.144
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy	171.867	-0.040	0.018	0.000	0.000	0.177
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy	171.994	-0.044	-0.007	0.000	0.000	0.215
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.163	-0.043	-0.041	0.000	0.000	0.220
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.052	-0.022	-0.066	0.000	0.000	0.218
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy	171.932	0.008	-0.075	0.000	0.000	0.237
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.064	0.039	-0.066	0.000	0.000	0.245
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.178	0.060	-0.040	0.000	0.000	0.212
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.004	0.060	-0.007	0.000	0.000	0.174
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy	171.867	0.055	0.019	0.000	0.000	0.169
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy	172.026	0.040	0.045	0.000	0.000	0.171
Dead+Wind 0 deg - Service+Guy	67.955	0.001	-0.179	0.000	0.000	0.023
Dead+Wind 30 deg - Service+Guy	68.665	0.076	-0.134	0.000	0.000	0.265
Dead+Wind 60 deg - Service+Guy	68.359	0.125	-0.076	0.000	0.000	0.130
Dead+Wind 90 deg - Service+Guy	68.256	0.144	-0.003	0.000	0.000	-0.023
Dead+Wind 120 deg - Service+Guy	67.454	0.145	0.078	0.000	0.000	0.181
Dead+Wind 150 deg - Service+Guy	68.612	0.076	0.126	0.000	0.000	0.358
Dead+Wind 180 deg - Service+Guy	68.524	0.001	0.150	0.000	0.000	0.131
Dead+Wind 210 deg - Service+Guy	68.677	-0.073	0.126	0.000	0.000	-0.110
Dead+Wind 240 deg - Service+Guy	67.501	-0.143	0.079	0.000	0.000	0.026
Dead+Wind 270 deg - Service+Guy	68.258	-0.142	-0.002	0.000	0.000	0.178
Dead+Wind 300 deg - Service+Guy	68.337	-0.123	-0.076	0.000	0.000	-0.027
Dead+Wind 330 deg - Service+Guy	68.594	-0.075	-0.135	0.000	0.000	-0.203

Solution Summary

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	Project	245' 36G/37.35266389, -85.24964167	Date	15:45:17 06/19/26
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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-28.820	0.000	0.000	28.820	0.000	0.001%
2	0.000	-34.275	-38.142	0.000	34.275	38.136	0.011%
3	18.658	-34.194	-32.317	-18.658	34.194	32.312	0.011%
4	30.747	-34.114	-17.752	-30.747	34.114	17.749	0.005%
5	34.496	-34.194	0.000	-34.491	34.194	0.003	0.011%
6	30.590	-34.275	17.661	-30.585	34.275	-17.658	0.011%
7	18.540	-34.194	32.112	-18.535	34.194	-32.110	0.011%
8	0.000	-34.114	38.087	0.000	34.114	-38.084	0.006%
9	-18.658	-34.194	32.317	18.654	34.194	-32.314	0.011%
10	-30.794	-34.275	17.779	30.789	34.275	-17.776	0.011%
11	-34.496	-34.194	0.000	34.491	34.194	0.003	0.011%
12	-30.542	-34.114	-17.634	30.543	34.114	17.631	0.006%
13	-18.540	-34.194	-32.112	18.540	34.194	32.107	0.011%
14	0.000	-120.205	0.000	-0.000	120.205	-0.002	0.002%
15	-0.000	-120.258	-7.089	0.000	120.258	7.088	0.001%
16	3.518	-120.205	-6.094	-3.518	120.205	6.093	0.001%
17	5.997	-120.152	-3.463	-5.996	120.152	3.462	0.001%
18	6.862	-120.205	0.000	-6.861	120.205	0.000	0.001%
19	5.988	-120.258	3.457	-5.987	120.258	-3.457	0.001%
20	3.511	-120.205	6.081	-3.510	120.205	-6.081	0.001%
21	0.000	-120.152	7.086	-0.000	120.152	-7.084	0.001%
22	-3.518	-120.205	6.094	3.517	120.205	-6.093	0.001%
23	-6.000	-120.258	3.464	5.999	120.258	-3.464	0.001%
24	-6.862	-120.205	0.000	6.861	120.205	0.000	0.001%
25	-5.985	-120.152	-3.456	5.984	120.152	3.455	0.001%
26	-3.511	-120.205	-6.081	3.511	120.205	6.080	0.001%
27	0.000	-28.847	-12.455	0.000	28.847	12.453	0.003%
28	6.092	-28.820	-10.552	-6.093	28.820	10.551	0.005%
29	10.040	-28.794	-5.796	-10.038	28.794	5.795	0.007%
30	11.264	-28.820	0.000	-11.263	28.820	0.001	0.004%
31	9.988	-28.847	5.767	-9.988	28.847	-5.766	0.003%
32	6.054	-28.820	10.486	-6.053	28.820	-10.485	0.004%
33	0.000	-28.794	12.437	-0.000	28.794	-12.435	0.004%
34	-6.092	-28.820	10.552	6.091	28.820	-10.552	0.005%
35	-10.055	-28.847	5.805	10.054	28.847	-5.805	0.003%
36	-11.264	-28.820	0.000	11.263	28.820	0.001	0.004%
37	-9.973	-28.794	-5.758	9.971	28.794	5.757	0.007%
38	-6.054	-28.820	-10.486	6.054	28.820	10.484	0.004%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	8	0.00000001	0.00003693
2	Yes	28	0.00009447	0.00013643
3	Yes	27	0.00009883	0.00012969
4	Yes	18	0.00011950	0.00012363
5	Yes	26	0.00010599	0.00012692
6	Yes	27	0.00009143	0.00012259
7	Yes	27	0.00009928	0.00012977
8	Yes	17	0.00006227	0.00010069
9	Yes	27	0.00009830	0.00012894
10	Yes	27	0.00008885	0.00011946
11	Yes	26	0.00010627	0.00012734
12	Yes	18	0.00013748	0.00013982

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13	Yes	27	0.00009979	0.00013040
14	Yes	11	0.00015000	0.00006954
15	Yes	22	0.00000001	0.00002238
16	Yes	21	0.00000001	0.00002257
17	Yes	18	0.00000001	0.00003663
18	Yes	20	0.00000001	0.00002446
19	Yes	21	0.00000001	0.00002466
20	Yes	20	0.00000001	0.00002944
21	Yes	18	0.00000001	0.00003610
22	Yes	20	0.00000001	0.00003015
23	Yes	21	0.00000001	0.00002509
24	Yes	20	0.00000001	0.00002488
25	Yes	18	0.00000001	0.00003708
26	Yes	21	0.00000001	0.00002269
27	Yes	17	0.00000001	0.00003879
28	Yes	16	0.00000001	0.00005826
29	Yes	12	0.00000001	0.00007175
30	Yes	15	0.00000001	0.00004217
31	Yes	14	0.00000001	0.00003069
32	Yes	16	0.00000001	0.00005335
33	Yes	13	0.00000001	0.00004985
34	Yes	16	0.00000001	0.00005740
35	Yes	14	0.00000001	0.00003773
36	Yes	15	0.00000001	0.00004266
37	Yes	12	0.00000001	0.00007142
38	Yes	16	0.00000001	0.00005461

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	245 - 225	6.743	34	0.148	0.475
T2	225 - 205	6.158	34	0.165	0.450
T3	205 - 185	5.319	34	0.231	0.365
T4	185 - 165	4.300	28	0.199	0.237
T5	165 - 145	3.672	33	0.129	0.171
T6	145 - 125	3.225	33	0.114	0.101
T7	125 - 105	2.761	33	0.110	0.111
T8	105 - 85	2.362	27	0.093	0.171
T9	85 - 65	1.992	27	0.107	0.211
T10	65 - 45	1.519	27	0.116	0.232
T11	45 - 25	1.067	27	0.101	0.236
T12	25 - 5	0.638	27	0.112	0.225
T13	5 - 0	0.132	27	0.125	0.210

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
245.000	5' Lightning Rod	34	6.743	0.148	0.475	63231
240.000	Sector1(CaAa=14000 Sq.in)No Ice	34	6.608	0.148	0.471	63231
235.000	Guy	34	6.469	0.149	0.467	31615
225.000	Sector1(CaAa=10000 Sq.in)No Ice	34	6.158	0.165	0.450	16383
210.000	Sector1(CaAa=10000 Sq.in)No Ice	34	5.559	0.220	0.393	14139

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Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
182.211	Guy	28	4.184	0.189	0.224	8536
115.000	Guy	33	2.547	0.100	0.146	61448
55.000	Guy	27	1.286	0.108	0.243	63113

Maximum Tower Deflections - Design Wind

Section No.	Elevation	Horz. Deflection	Gov. Load Comb.	Tilt	Twist
	ft	in		°	°
T1	245 - 225	51.251	2	1.367	1.565
T2	225 - 205	45.877	2	1.424	1.493
T3	205 - 185	39.699	2	1.626	1.229
T4	185 - 165	33.052	2	1.484	0.826
T5	165 - 145	27.758	2	1.194	0.613
T6	145 - 125	23.320	2	1.037	0.377
T7	125 - 105	19.194	2	0.934	0.336
T8	105 - 85	15.574	2	0.810	0.435
T9	85 - 65	12.307	2	0.779	0.553
T10	65 - 45	9.049	2	0.748	0.610
T11	45 - 25	6.130	2	0.653	0.620
T12	25 - 5	3.485	2	0.648	0.584
T13	5 - 0	0.708	2	0.674	0.523

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
245.000	5' Lightning Rod	2	51.251	1.367	1.565	20022
240.000	Sector1(CaAa=14000 Sq.in)No Ice	2	49.945	1.367	1.556	20022
235.000	Guy	2	48.624	1.373	1.543	10011
225.000	Sector1(CaAa=10000 Sq.in)No Ice	2	45.877	1.424	1.493	5217
210.000	Sector1(CaAa=10000 Sq.in)No Ice	2	41.335	1.592	1.317	4651
182.211	Guy	2	32.219	1.443	0.785	2544
115.000	Guy	2	17.318	0.867	0.366	7158
55.000	Guy	2	7.537	0.718	0.639	10976

Bolt Design Data

Section No.	Elevation	Component Type	Bolt Grade	Bolt Size	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
	ft			in						
T2	225	Leg	A325N	0.750	3	4.691	30.101	0.156	✓	Bolt Tension
T3	205	Leg	A325N	0.750	3	3.657	30.101	0.121	✓	Bolt Tension
T4	185	Leg	A325N	0.750	3	7.463	30.101	0.248	✓	Bolt Tension

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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
T5	165	Leg	A325N	0.750	3	6.650	30.101	0.221 ✓	1	Bolt Tension
T6	145	Leg	A325N	0.750	3	5.846	30.101	0.194 ✓	1	Bolt Tension
T7	125	Leg	A325N	0.750	3	6.217	30.101	0.207 ✓	1	Bolt Tension
T8	105	Leg	A325N	0.750	3	6.094	30.101	0.202 ✓	1	Bolt Tension
T9	85	Leg	A325N	0.750	3	5.456	30.101	0.181 ✓	1	Bolt Tension
T10	65	Leg	A325N	0.750	3	5.988	30.101	0.199 ✓	1	Bolt Tension
T11	45	Leg	A325N	0.750	3	6.002	30.101	0.199 ✓	1	Bolt Tension
T12	25	Leg	A325N	0.750	3	6.275	30.101	0.208 ✓	1	Bolt Tension
T13	5	Leg	A325N	0.750	3	6.373	30.101	0.212 ✓	1	Bolt Tension

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T1	235.000 (A) (705)	9/16 EModulus EHS	3.500	35.000	18.955	21.000	1.000	1.108 ✓
	235.000 (A) (706)	9/16 EModulus EHS	3.500	35.000	19.139	21.000	1.000	1.097 ✓
	235.000 (B) (701)	9/16 EModulus EHS	3.500	35.000	18.378	21.000	1.000	1.143 ✓
	235.000 (B) (702)	9/16 EModulus EHS	3.500	35.000	18.925	21.000	1.000	1.110 ✓
	235.000 (C) (694)	9/16 EModulus EHS	3.500	35.000	19.113	21.000	1.000	1.099 ✓
	235.000 (C) (695)	9/16 EModulus EHS	3.500	35.000	18.506	21.000	1.000	1.135 ✓
T4	182.211 (A) (690)	1/2 EModulus EHS	2.690	26.900	14.197	16.140	1.000	1.137 ✓
	182.211 (A) (691)	1/2 EModulus EHS	2.690	26.900	14.167	16.140	1.000	1.139 ✓
	182.211 (B) (686)	1/2 EModulus EHS	2.690	26.900	14.104	16.140	1.000	1.144 ✓
	182.211 (B) (687)	1/2 EModulus EHS	2.690	26.900	14.033	16.140	1.000	1.150 ✓
	182.211 (C) (679)	1/2 EModulus EHS	2.690	26.900	14.204	16.140	1.000	1.136 ✓
	182.211 (C) (680)	1/2 EModulus EHS	2.690	26.900	14.164	16.140	1.000	1.140 ✓

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Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T7	115.000 (A) (678)	EHS 3/8 EModulus	1.540	15.400	7.438	9.240	1.000	1.242 ✓
	115.000 (B) (677)	EHS 3/8 EModulus	1.540	15.400	7.451	9.240	1.000	1.240 ✓
	115.000 (C) (673)	EHS 3/8 EModulus	1.540	15.400	7.450	9.240	1.000	1.240 ✓
T10	55.000 (A) (672)	EHS 3/8 EModulus	1.540	15.400	5.924	9.240	1.000	1.560 ✓
	55.000 (B) (671)	EHS 3/8 EModulus	1.540	15.400	5.921	9.240	1.000	1.560 ✓
	55.000 (C) (667)	EHS 3/8 EModulus	1.540	15.400	5.892	9.240	1.000	1.568 ✓

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	245 - 225	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-39.645	78.769	0.503 ¹ ✓
T2	225 - 205	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-43.584	78.769	0.553 ¹ ✓
T3	205 - 185	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-62.622	78.769	0.795 ¹ ✓
T4	185 - 165	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-74.138	78.769	0.941 ¹ ✓
T5	165 - 145	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-58.930	78.769	0.748 ¹ ✓
T6	145 - 125	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-55.181	78.769	0.701 ¹ ✓
T7	125 - 105	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-60.428	78.769	0.767 ¹ ✓
T8	105 - 85	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-53.988	78.769	0.685 ¹ ✓
T9	85 - 65	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-52.861	78.769	0.671 ¹ ✓
T10	65 - 45	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-60.415	78.769	0.767 ¹ ✓
T11	45 - 25	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-56.118	78.769	0.712 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T12	25 - 5	1 3/4	20.000	2.404	65.9 K=1.00	2.405	-57.319	78.769	0.728 ¹ ✓
T13	5 - 0	2 1/4	5.292	2.238	47.7 K=1.00	3.976	-60.715	151.458	0.401 ¹ ✓

¹ P_u / φP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	1	3.844	3.657	122.9 K=0.70	0.785	-7.328	11.750	0.624 ¹ ✓
T2	225 - 205	1	3.844	3.657	122.9 K=0.70	0.785	-8.871	11.750	0.755 ¹ ✓
T3	205 - 185	1	3.844	3.657	122.9 K=0.70	0.785	-10.394	11.750	0.885 ¹ ✓
T4	185 - 165	1	3.844	3.657	122.9 K=0.70	0.785	-10.485	11.750	0.892 ¹ ✓
T5	165 - 145	.75	3.844	3.657	163.8 K=0.70	0.442	-2.543	3.718	0.684 ¹ ✓
T6	145 - 125	.75	3.844	3.657	163.8 K=0.70	0.442	-2.330	3.718	0.627 ¹ ✓
T7	125 - 105	.75	3.844	3.657	163.8 K=0.70	0.442	-2.475	3.718	0.666 ¹ ✓
T8	105 - 85	.75	3.844	3.657	163.8 K=0.70	0.442	-1.524	3.718	0.410 ¹ ✓
T9	85 - 65	.75	3.844	3.657	163.8 K=0.70	0.442	-1.993	3.718	0.536 ¹ ✓
T10	65 - 45	.75	3.844	3.657	163.8 K=0.70	0.442	-2.261	3.718	0.608 ¹ ✓
T11	45 - 25	.75	3.844	3.657	163.8 K=0.70	0.442	-1.932	3.718	0.520 ¹ ✓
T12	25 - 5	.75	3.844	3.657	163.8 K=0.70	0.442	-1.192	3.718	0.321 ¹ ✓
T13	5 - 0	1	2.314	1.852	89.9 K=1.01	0.785	-7.776	19.578	0.397 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	127.9	0.442	-2.559	6.104	0.419 ¹

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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=0.70				
T2	225 - 205	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.544	6.104	0.253 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.240	6.104	0.203 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.369	6.104	0.224 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.105	6.104	0.181 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.033	6.104	0.169 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.116	6.104	0.183 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.013	6.104	0.166 ¹ ✓
T9	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.995	6.104	0.163 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.115	6.104	0.183 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.043	6.104	0.171 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.060	6.104	0.174 ¹ ✓
T13	5 - 0	3/4	1.500	1.313	89.0 K=1.06	0.442	-1.097	11.134	0.098 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.764	6.104	0.125 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.805	6.104	0.132 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-2.964	6.104	0.486 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-3.874	6.104	0.635 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.134	6.104	0.186 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.033	6.104	0.169 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.116	6.104	0.183 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.013	6.104	0.166 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T9	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.995	6.104	0.163 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.115	6.104	0.183 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.043	6.104	0.171 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.060	6.104	0.174 ¹ ✓
T13	5 - 0	3/4	2.769	2.581	115.6 K=0.70	0.442	-1.097	7.463	0.147 ¹ ✓

¹ P_u / φP_n controls

Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.732	6.104	0.284 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	127.9 K=0.70	0.442	-3.014	6.104	0.494 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-3.102	6.104	0.508 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.369	6.104	0.224 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.105	6.104	0.181 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.033	6.104	0.169 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.116	6.104	0.183 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.013	6.104	0.166 ¹ ✓
T9	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.995	6.104	0.163 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.115	6.104	0.183 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.043	6.104	0.171 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.060	6.104	0.174 ¹ ✓
T13	5 - 0	3/4	0.231	0.044	3.1 K=1.10	0.442	-1.097	19.867	0.055 ¹ ✓

¹ P_u / φP_n controls

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Top Guy Pull-Off 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	245 - 225	4x5/8	3.000	2.854	151.9 K=0.80	2.500	-6.460	24.488	0.264 ¹ ✓
T4	185 - 165	4x5/8	3.000	2.854	151.9 K=0.80	2.500	-6.499	24.488	0.265 ¹ ✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

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	245 - 225 (696)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.494	237.937	0.019
T1	245 - 225 (697)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.489	237.937	0.019
T1	245 - 225 (703)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.288	237.937	0.018
T1	245 - 225 (704)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.288	237.937	0.018
T1	245 - 225 (707)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.431	237.937	0.019
T1	245 - 225 (708)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.438	237.937	0.019
T4	185 - 165 (681)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.074	237.937	0.017
T4	185 - 165 (682)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.051	237.937	0.017
T4	185 - 165 (688)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.729	237.937	0.016
T4	185 - 165 (689)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-3.750	237.937	0.016
T4	185 - 165 (692)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.000	237.937	0.017
T4	185 - 165 (693)	C12x20.7	3.000	2.927	44.0 K=1.00	6.090	-4.016	237.937	0.017

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	245 - 225 (696)	C12x20.7	-51.998	94.709	0.549	0.000	9.731	0.000
T1	245 - 225 (697)	C12x20.7	-51.992	94.709	0.549	-0.000	9.731	0.000
T1	245 - 225 (703)	C12x20.7	-50.333	94.709	0.531	-0.000	9.731	0.000
T1	245 - 225 (704)	C12x20.7	-50.269	94.709	0.531	0.000	9.731	0.000
T1	245 - 225 (707)	C12x20.7	-51.394	94.709	0.543	0.000	9.731	0.000
T1	245 - 225 (708)	C12x20.7	-51.575	94.709	0.545	-0.000	9.731	0.000

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Section No.	Elevation	Size	M_{ux}	ϕM_{ux}	Ratio	M_{uy}	ϕM_{uy}	Ratio
	ft		kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{ux}}$	kip-ft	kip-ft	$\frac{M_{uy}}{\phi M_{uy}}$
T4	185 - 165 (681)	C12x20.7	-37.731	94.709	0.398	-0.000	9.731	0.000
T4	185 - 165 (682)	C12x20.7	-37.740	94.709	0.398	0.000	9.731	0.000
T4	185 - 165 (688)	C12x20.7	-35.464	94.709	0.374	0.000	9.731	0.000
T4	185 - 165 (689)	C12x20.7	-35.466	94.709	0.374	-0.000	9.731	0.000
T4	185 - 165 (692)	C12x20.7	-37.330	94.709	0.394	0.000	9.731	0.000
T4	185 - 165 (693)	C12x20.7	-37.313	94.709	0.394	-0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation	Size	Ratio	Ratio	Ratio	Comb.	Allow.	Criteria
	ft		$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{ux}}$	$\frac{M_{uy}}{\phi M_{uy}}$	Stress Ratio	Stress Ratio	
T1	245 - 225 (696)	C12x20.7	0.019	0.549	0.000	0.558	1.000	✓
T1	245 - 225 (697)	C12x20.7	0.019	0.549	0.000	0.558	1.000	✓
T1	245 - 225 (703)	C12x20.7	0.018	0.531	0.000	0.540	1.000	✓
T1	245 - 225 (704)	C12x20.7	0.018	0.531	0.000	0.540	1.000	✓
T1	245 - 225 (707)	C12x20.7	0.019	0.543	0.000	0.552	1.000	✓
T1	245 - 225 (708)	C12x20.7	0.019	0.545	0.000	0.554	1.000	✓
T4	185 - 165 (681)	C12x20.7	0.017	0.398	0.000	0.407	1.000	✓
T4	185 - 165 (682)	C12x20.7	0.017	0.398	0.000	0.407	1.000	✓
T4	185 - 165 (688)	C12x20.7	0.016	0.374	0.000	0.382	1.000	✓
T4	185 - 165 (689)	C12x20.7	0.016	0.374	0.000	0.382	1.000	✓
T4	185 - 165 (692)	C12x20.7	0.017	0.394	0.000	0.403	1.000	✓
T4	185 - 165 (693)	C12x20.7	0.017	0.394	0.000	0.402	1.000	✓

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio
	ft		ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T1	245 - 225	1 3/4	20.000	2.404	65.9	2.405	9.287	108.238	0.086 ¹ ✓

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Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T2	225 - 205	1 3/4	20.000	0.385	10.6	2.405	3.261	108.238	0.030 ¹
T3	205 - 185	1 3/4	20.000	0.385	10.6	2.405	20.364	108.238	0.188 ¹
T4	185 - 165	1 3/4	20.000	2.404	65.9	2.405	24.615	108.238	0.227 ¹

¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Tension)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T1	245 - 225	1	3.844	3.657	175.6	0.785	7.320	35.343	0.207 ¹
T2	225 - 205	1	3.844	3.657	175.6	0.785	8.590	35.343	0.243 ¹
T3	205 - 185	1	3.844	3.657	175.6	0.785	10.112	35.343	0.286 ¹
T4	185 - 165	1	3.844	3.657	175.6	0.785	10.250	35.343	0.290 ¹
T5	165 - 145	.75	3.844	3.657	234.1	0.442	2.305	19.880	0.116 ¹
T6	145 - 125	.75	3.844	3.657	234.1	0.442	1.726	19.880	0.087 ¹
T7	125 - 105	.75	3.844	3.657	234.1	0.442	2.046	19.880	0.103 ¹
T8	105 - 85	.75	3.844	3.657	234.1	0.442	1.292	19.880	0.065 ¹
T9	85 - 65	.75	3.844	3.657	234.1	0.442	1.383	19.880	0.070 ¹
T10	65 - 45	.75	3.844	3.657	234.1	0.442	1.664	19.880	0.084 ¹
T11	45 - 25	.75	3.844	3.657	234.1	0.442	1.678	19.880	0.084 ¹
T12	25 - 5	.75	3.844	3.657	234.1	0.442	0.741	19.880	0.037 ¹
T13	5 - 0	1	3.027	2.565	123.1	0.785	0.522	35.343	0.015 ¹

¹ $P_u / \phi P_n$ controls

Horizontal Design Data (Tension)

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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	245 - 225	3/4	3.000	2.854	182.7	0.442	2.530	19.880	0.127 ¹
T2	225 - 205	3/4	3.000	2.854	182.7	0.442	1.748	19.880	0.088 ¹
T3	205 - 185	3/4	3.000	2.854	182.7	0.442	1.240	19.880	0.062 ¹
T4	185 - 165	3/4	3.000	2.854	182.7	0.442	1.369	19.880	0.069 ¹
T5	165 - 145	3/4	3.000	2.854	182.7	0.442	1.105	19.880	0.056 ¹
T6	145 - 125	3/4	3.000	2.854	182.7	0.442	1.033	19.880	0.052 ¹
T7	125 - 105	3/4	3.000	2.854	182.7	0.442	1.116	19.880	0.056 ¹
T8	105 - 85	3/4	3.000	2.854	182.7	0.442	1.013	19.880	0.051 ¹
T9	85 - 65	3/4	3.000	2.854	182.7	0.442	0.995	19.880	0.050 ¹
T10	65 - 45	3/4	3.000	2.854	182.7	0.442	1.115	19.880	0.056 ¹
T11	45 - 25	3/4	3.000	2.854	182.7	0.442	1.043	19.880	0.052 ¹
T12	25 - 5	3/4	3.000	2.854	182.7	0.442	1.060	19.880	0.053 ¹
T13	5 - 0	3/4	1.500	1.313	84.0	0.442	1.097	19.880	0.055 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	245 - 225	3/4	3.000	2.854	182.7	0.442	0.764	19.880	0.038 ¹
T2	225 - 205	3/4	3.000	2.854	182.7	0.442	0.805	19.880	0.040 ¹
T3	205 - 185	3/4	3.000	2.854	182.7	0.442	3.150	19.880	0.158 ¹
T4	185 - 165	3/4	3.000	2.854	182.7	0.442	3.199	19.880	0.161 ¹
T5	165 - 145	3/4	3.000	2.854	182.7	0.442	1.252	19.880	0.063 ¹
T6	145 - 125	3/4	3.000	2.854	182.7	0.442	1.033	19.880	0.052 ¹
T7	125 - 105	3/4	3.000	2.854	182.7	0.442	1.116	19.880	0.056 ¹
T8	105 - 85	3/4	3.000	2.854	182.7	0.442	1.013	19.880	0.051 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T9	85 - 65	3/4	3.000	2.854	182.7	0.442	0.995	19.880	0.050 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	182.7	0.442	1.115	19.880	0.056 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	182.7	0.442	1.043	19.880	0.052 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	182.7	0.442	1.060	19.880	0.053 ¹ ✓
T13	5 - 0	3/4	2.769	2.581	165.2	0.442	6.551	19.880	0.330 ¹ ✓

¹ P_u / φP_n controls

Bottom 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	245 - 225	3/4	3.000	2.854	182.7	0.442	1.968	19.880	0.099 ¹ ✓
T2	225 - 205	3/4	3.000	2.854	182.7	0.442	3.051	19.880	0.153 ¹ ✓
T3	205 - 185	3/4	3.000	2.854	182.7	0.442	3.941	19.880	0.198 ¹ ✓
T4	185 - 165	3/4	3.000	2.854	182.7	0.442	1.369	19.880	0.069 ¹ ✓
T5	165 - 145	3/4	3.000	2.854	182.7	0.442	1.105	19.880	0.056 ¹ ✓
T6	145 - 125	3/4	3.000	2.854	182.7	0.442	1.033	19.880	0.052 ¹ ✓
T7	125 - 105	3/4	3.000	2.854	182.7	0.442	1.116	19.880	0.056 ¹ ✓
T8	105 - 85	3/4	3.000	2.854	182.7	0.442	1.013	19.880	0.051 ¹ ✓
T9	85 - 65	3/4	3.000	2.854	182.7	0.442	0.995	19.880	0.050 ¹ ✓
T10	65 - 45	3/4	3.000	2.854	182.7	0.442	1.115	19.880	0.056 ¹ ✓
T11	45 - 25	3/4	3.000	2.854	182.7	0.442	1.043	19.880	0.052 ¹ ✓
T12	25 - 5	3/4	3.000	2.854	182.7	0.442	5.704	19.880	0.287 ¹ ✓
T13	5 - 0	3/4	0.231	0.044	2.8	0.442	2.018	19.880	0.102 ¹ ✓

¹ P_u / φP_n controls

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Top Guy Pull-Off 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	245 - 225	4x5/8	3.000	2.854	189.8	2.500	6.444	112.500	0.057 ¹
T4	185 - 165	4x5/8	3.000	2.854	189.8	2.500	6.760	112.500	0.060 ¹
T7	125 - 105	4x5/8	3.000	2.854	189.8	2.500	2.756	112.500	0.024 ¹
T10	65 - 45	4x5/8	3.000	2.854	189.8	2.500	2.832	112.500	0.025 ¹

¹ P_u / φP_n controls

Torque-Arm Top Design Data

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	245 - 225 (696)	C12x20.7	3.000	2.927	44.0	4.568	0.394	222.666	0.002
T1	245 - 225 (697)	C12x20.7	3.000	2.927	44.0	4.568	0.534	222.666	0.002
T1	245 - 225 (703)	C12x20.7	3.000	2.927	44.0	4.568	0.399	222.666	0.002
T1	245 - 225 (704)	C12x20.7	3.000	2.927	44.0	4.568	0.408	222.666	0.002
T1	245 - 225 (707)	C12x20.7	3.000	2.927	44.0	4.568	0.534	222.666	0.002
T1	245 - 225 (708)	C12x20.7	3.000	2.927	44.0	4.568	0.406	222.666	0.002
T4	185 - 165 (681)	C12x20.7	3.000	2.927	44.0	4.568	0.315	222.666	0.001
T4	185 - 165 (682)	C12x20.7	3.000	2.927	44.0	4.568	0.200	222.666	0.001
T4	185 - 165 (688)	C12x20.7	3.000	2.927	44.0	4.568	0.237	222.666	0.001
T4	185 - 165 (689)	C12x20.7	3.000	2.927	44.0	4.568	0.158	222.666	0.001
T4	185 - 165 (692)	C12x20.7	3.000	2.927	44.0	4.568	0.353	222.666	0.002
T4	185 - 165 (693)	C12x20.7	3.000	2.927	44.0	4.568	0.196	222.666	0.001

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
T1	245 - 225 (696)	C12x20.7	-51.773	94.709	0.547	0.000	9.731	0.000
T1	245 - 225 (697)	C12x20.7	-50.650	94.709	0.535	-0.000	9.731	0.000
T1	245 - 225 (703)	C12x20.7	-51.778	94.709	0.547	-0.000	9.731	0.000
T1	245 - 225 (704)	C12x20.7	-52.190	94.709	0.551	0.000	9.731	0.000
T1	245 - 225 (707)	C12x20.7	-50.534	94.709	0.534	0.000	9.731	0.000
T1	245 - 225 (708)	C12x20.7	-52.384	94.709	0.553	-0.000	9.731	0.000
T4	185 - 165 (681)	C12x20.7	-35.349	94.709	0.373	-0.000	9.731	0.000
T4	185 - 165 (682)	C12x20.7	-37.243	94.709	0.393	0.000	9.731	0.000
T4	185 - 165 (688)	C12x20.7	-37.658	94.709	0.398	0.000	9.731	0.000
T4	185 - 165 (689)	C12x20.7	-37.221	94.709	0.393	-0.000	9.731	0.000
T4	185 - 165 (692)	C12x20.7	-35.386	94.709	0.374	0.000	9.731	0.000
T4	185 - 165 (693)	C12x20.7	-37.631	94.709	0.397	-0.000	9.731	0.000

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C516 - CK Acton (Site# KY-4161)	Page 45 of 47
	Project	245' 36G/37.35266389, -85.24964167	Date 15:45:17 06/19/26
	Client	APC Towers	Designed by Coody

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M_{uy} kip-ft	ϕM_{ry} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
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Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{rx}	Ratio M_{uy} ϕM_{ry}	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	245 - 225 (696)	C12x20.7	0.002	0.547	0.000	0.548 ✓	1.000	✓
T1	245 - 225 (697)	C12x20.7	0.002	0.535	0.000	0.536 ✓	1.000	✓
T1	245 - 225 (703)	C12x20.7	0.002	0.547	0.000	0.548 ✓	1.000	✓
T1	245 - 225 (704)	C12x20.7	0.002	0.551	0.000	0.552 ✓	1.000	✓
T1	245 - 225 (707)	C12x20.7	0.002	0.534	0.000	0.535 ✓	1.000	✓
T1	245 - 225 (708)	C12x20.7	0.002	0.553	0.000	0.554 ✓	1.000	✓
T4	185 - 165 (681)	C12x20.7	0.001	0.373	0.000	0.374 ✓	1.000	✓
T4	185 - 165 (682)	C12x20.7	0.001	0.393	0.000	0.394 ✓	1.000	✓
T4	185 - 165 (688)	C12x20.7	0.001	0.398	0.000	0.398 ✓	1.000	✓
T4	185 - 165 (689)	C12x20.7	0.001	0.393	0.000	0.393 ✓	1.000	✓
T4	185 - 165 (692)	C12x20.7	0.002	0.374	0.000	0.374 ✓	1.000	✓
T4	185 - 165 (693)	C12x20.7	0.001	0.397	0.000	0.398 ✓	1.000	✓

Section Capacity Table

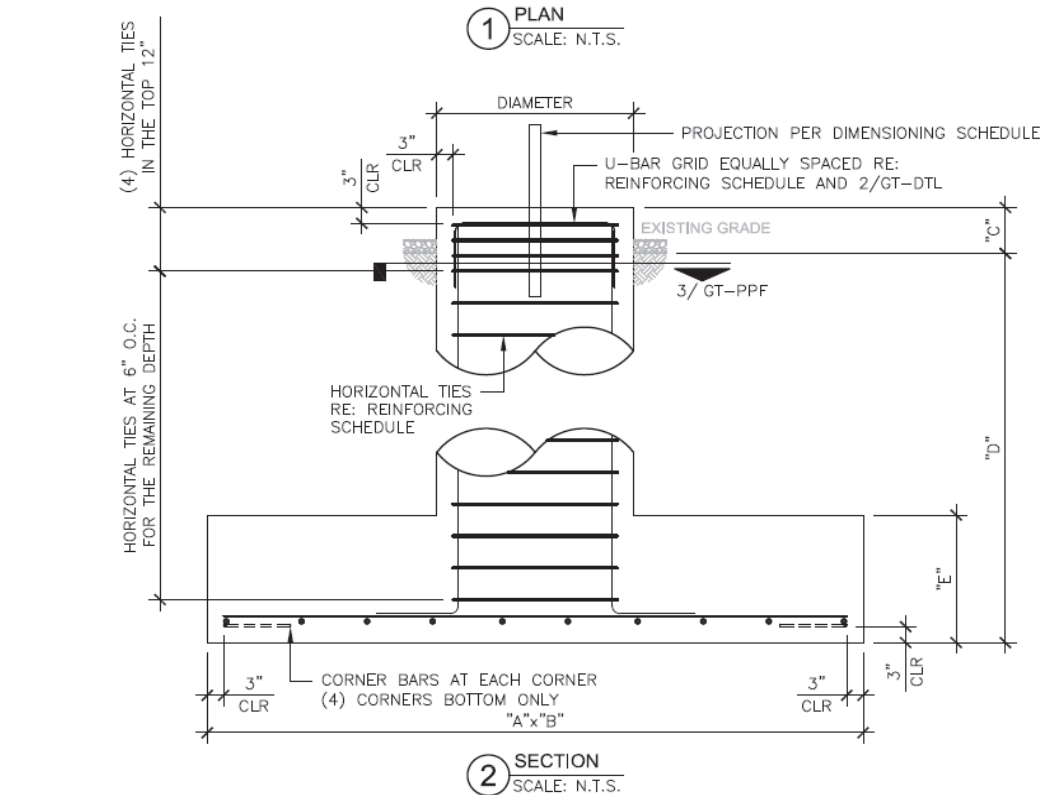
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	245 - 225	Leg	1 3/4	3	-39.645	78.769	50.3	Pass
T2	225 - 205	Leg	1 3/4	55	-43.584	78.769	55.3	Pass
T3	205 - 185	Leg	1 3/4	111	-62.622	78.769	79.5	Pass
T4	185 - 165	Leg	1 3/4	165	-74.138	78.769	94.1	Pass
T5	165 - 145	Leg	1 3/4	217	-58.930	78.769	74.8	Pass
T6	145 - 125	Leg	1 3/4	271	-55.181	78.769	70.1	Pass
T7	125 - 105	Leg	1 3/4	325	-60.428	78.769	76.7	Pass
T8	105 - 85	Leg	1 3/4	379	-53.988	78.769	68.5	Pass
T9	85 - 65	Leg	1 3/4	433	-52.861	78.769	67.1	Pass
T10	65 - 45	Leg	1 3/4	489	-60.415	78.769	76.7	Pass
T11	45 - 25	Leg	1 3/4	541	-56.118	78.769	71.2	Pass
T12	25 - 5	Leg	1 3/4	595	-57.319	78.769	72.8	Pass
T13	5 - 0	Leg	2 1/4	651	-60.715	151.458	40.1	Pass
T1	245 - 225	Diagonal	1	40	-7.328	11.750	62.4	Pass

tnxTower B+T Group 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C516 - CK Acton (Site# KY-4161)	Page	46 of 47
	Project	245' 36G/37.35266389, -85.24964167	Date	15:45:17 06/19/26
	Client	APC Towers	Designed by	Coody

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	σP_{allow} K	% Capacity	Pass Fail
T2	225 - 205	Diagonal	1	65	-8.871	11.750	75.5	Pass
T3	205 - 185	Diagonal	1	119	-10.394	11.750	88.5	Pass
T4	185 - 165	Diagonal	1	216	-10.485	11.750	89.2	Pass
T5	165 - 145	Diagonal	.75	270	-2.543	3.718	68.4	Pass
T6	145 - 125	Diagonal	.75	281	-2.330	3.718	62.7	Pass
T7	125 - 105	Diagonal	.75	359	-2.475	3.718	66.6	Pass
T8	105 - 85	Diagonal	.75	431	-1.524	3.718	41.0	Pass
T9	85 - 65	Diagonal	.75	444	-1.993	3.718	53.6	Pass
T10	65 - 45	Diagonal	.75	497	-2.261	3.718	60.8	Pass
T11	45 - 25	Diagonal	.75	593	-1.932	3.718	52.0	Pass
T12	25 - 5	Diagonal	.75	606	-1.192	3.718	32.1	Pass
T13	5 - 0	Diagonal	1	660	-7.776	19.578	39.7	Pass
T1	245 - 225	Horizontal	3/4	45	-2.559	6.104	41.9	Pass
T2	225 - 205	Horizontal	3/4	75	-1.544	6.104	25.3	Pass
T3	205 - 185	Horizontal	3/4	128	-1.240	6.104	20.3	Pass
T4	185 - 165	Horizontal	3/4	176	-1.369	6.104	22.4	Pass
T5	165 - 145	Horizontal	3/4	235	-1.105	6.104	18.1	Pass
T6	145 - 125	Horizontal	3/4	289	-1.033	6.104	16.9	Pass
T7	125 - 105	Horizontal	3/4	343	-1.116	6.104	18.3	Pass
T8	105 - 85	Horizontal	3/4	391	-1.013	6.104	16.6	Pass
T9	85 - 65	Horizontal	3/4	446	-0.995	6.104	16.3	Pass
T10	65 - 45	Horizontal	3/4	500	-1.115	6.104	18.3	Pass
T11	45 - 25	Horizontal	3/4	554	-1.043	6.104	17.1	Pass
T12	25 - 5	Horizontal	3/4	607	-1.060	6.104	17.4	Pass
T13	5 - 0	Horizontal	3/4	662	-1.097	11.134	9.8	Pass
T1	245 - 225	Top Girt	3/4	6	-0.764	6.104	12.5	Pass
T2	225 - 205	Top Girt	3/4	58	-0.805	6.104	13.2	Pass
T3	205 - 185	Top Girt	3/4	113	-2.964	6.104	48.6	Pass
T4	185 - 165	Top Girt	3/4	168	-3.874	6.104	63.5	Pass
T5	165 - 145	Top Girt	3/4	220	-1.134	6.104	18.6	Pass
T6	145 - 125	Top Girt	3/4	274	-1.033	6.104	16.9	Pass
T7	125 - 105	Top Girt	3/4	328	-1.116	6.104	18.3	Pass
T8	105 - 85	Top Girt	3/4	382	-1.013	6.104	16.6	Pass
T9	85 - 65	Top Girt	3/4	437	-0.995	6.104	16.3	Pass
T10	65 - 45	Top Girt	3/4	491	-1.115	6.104	18.3	Pass
T11	45 - 25	Top Girt	3/4	545	-1.043	6.104	17.1	Pass
T12	25 - 5	Top Girt	3/4	598	-1.060	6.104	17.4	Pass
T13	5 - 0	Top Girt	3/4	652	6.551	19.880	33.0	Pass
T1	245 - 225	Bottom Girt	3/4	8	-1.732	6.104	28.4	Pass
T2	225 - 205	Bottom Girt	3/4	62	-3.014	6.104	49.4	Pass
T3	205 - 185	Bottom Girt	3/4	117	-3.102	6.104	50.8	Pass
T4	185 - 165	Bottom Girt	3/4	170	-1.369	6.104	22.4	Pass
T5	165 - 145	Bottom Girt	3/4	223	-1.105	6.104	18.1	Pass
T6	145 - 125	Bottom Girt	3/4	277	-1.033	6.104	16.9	Pass
T7	125 - 105	Bottom Girt	3/4	331	-1.116	6.104	18.3	Pass
T8	105 - 85	Bottom Girt	3/4	385	-1.013	6.104	16.6	Pass
T9	85 - 65	Bottom Girt	3/4	440	-0.995	6.104	16.3	Pass
T10	65 - 45	Bottom Girt	3/4	494	-1.115	6.104	18.3	Pass
T11	45 - 25	Bottom Girt	3/4	548	-1.043	6.104	17.1	Pass
T12	25 - 5	Bottom Girt	3/4	603	5.704	19.880	28.7	Pass
T13	5 - 0	Bottom Girt	3/4	657	2.018	19.880	10.2	Pass
T1	245 - 225	Guy A@235	9/16 EModulus	706	19.139	21.000	91.1	Pass
T4	185 - 165	Guy A@182.211	1/2 EModulus	690	14.197	16.140	88.0	Pass
T7	125 - 105	Guy A@115	3/8 EModulus	678	7.438	9.240	80.5	Pass
T10	65 - 45	Guy A@55	3/8 EModulus	672	5.924	9.240	64.1	Pass
T1	245 - 225	Guy B@235	9/16 EModulus	702	18.925	21.000	90.1	Pass
T4	185 - 165	Guy B@182.211	1/2 EModulus	686	14.104	16.140	87.4	Pass
T7	125 - 105	Guy B@115	3/8 EModulus	677	7.451	9.240	80.6	Pass
T10	65 - 45	Guy B@55	3/8 EModulus	671	5.921	9.240	64.1	Pass
T1	245 - 225	Guy C@235	9/16 EModulus	694	19.113	21.000	91.0	Pass
T4	185 - 165	Guy C@182.211	1/2 EModulus	679	14.204	16.140	88.0	Pass

<i>tnxTower</i> <i>B+T Group</i> 1717 S Boulder Ave, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS# C516 - CK Acton (Site# KY-4161)	Page	47 of 47
	Project	245' 36G/37.35266389, -85.24964167	Date	15:45:17 06/19/26
	Client	APC Towers	Designed by	Coody

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T7	125 - 105	Guy C@115	3/8 EModulus	673	7.450	9.240	80.6	Pass
T10	65 - 45	Guy C@55	3/8 EModulus	667	5.892	9.240	63.8	Pass
T1	245 - 225	Top Guy	4x5/8	699	-6.460	24.488	26.4	Pass
		Pull-Off@235						
T4	185 - 165	Top Guy	4x5/8	683	-6.499	24.488	26.5	Pass
		Pull-Off@182.211						
T7	125 - 105	Top Guy	4x5/8	676	2.756	112.500	2.4	Pass
		Pull-Off@115						
T10	65 - 45	Top Guy	4x5/8	670	2.832	112.500	2.5	Pass
		Pull-Off@55						
T1	245 - 225	Torque Arm	C12x20.7	696	-4.494	237.937	55.8	Pass
		Top@235						
T4	185 - 165	Torque Arm	C12x20.7	682	-4.051	237.937	40.7	Pass
		Top@182.211						
						Summary		
						Leg (T4)	94.1	Pass
						Diagonal (T4)	89.2	Pass
						Horizontal (T1)	41.9	Pass
						Top Girt (T4)	63.5	Pass
						Bottom Girt (T3)	50.8	Pass
						Guy A (T1)	91.1	Pass
						Guy B (T1)	90.1	Pass
						Guy C (T1)	91.0	Pass
						Top Guy	26.5	Pass
						Pull-Off (T4)		
						Torque Arm Top (T1)	55.8	Pass
						Bolt Checks	24.8	Pass
						RATING =	94.1	Pass



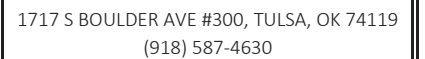
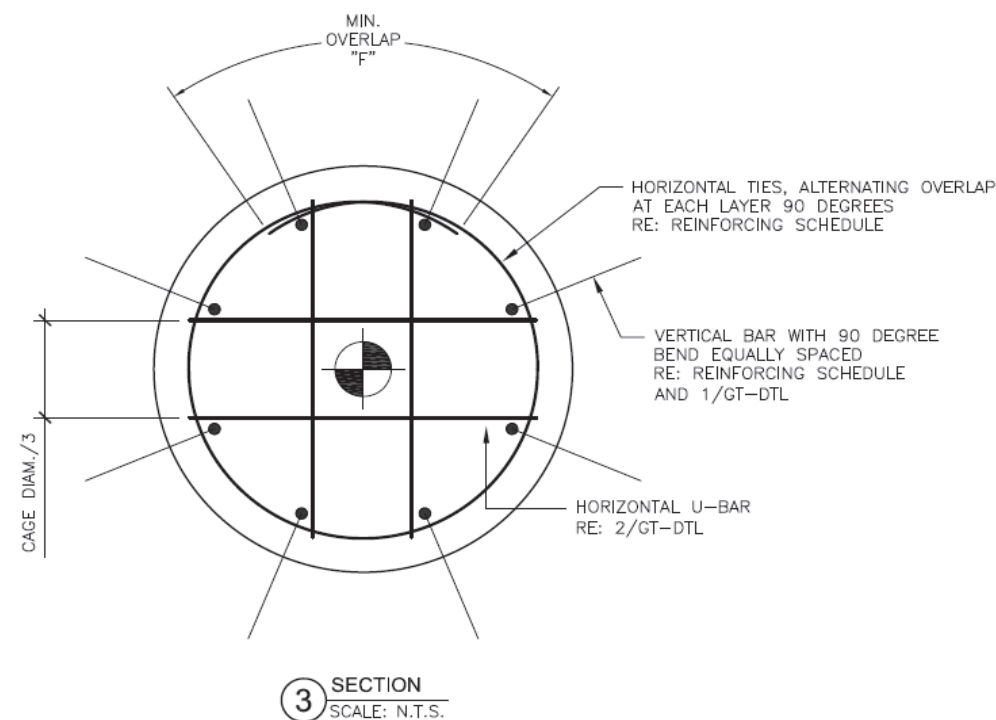
- NOTES:**
1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
 2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND THE 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: 26146119
DATE: APRIL 17, 2026
 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: 2.73
 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 FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	6' 0"
B	6' 0"
C	0' 6"
D	5' 0"
E	1' 6"
MIN. OVERLAP "F"	2' 3"
DIAMETER	2' 6"
CENTER PIN PROJ.	REF TO MFG

REINFORCING SCHEDULE	SIZE	TOTAL QT
VERTICAL BARS	# 6	9
HORIZONTAL TIES	# 4	12
U-BAR HORIZONTAL (PEDESTAL)	# 4	4
BOTTOM HORIZONTAL BARS	# 6	14
CORNER BARS	# 4	4

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	172	KIPS
HORIZONTAL	1	KIPS



ISSUED FOR:

REV	DATE	DESCRIPTION
0	06/30/26	ISSUED FOR CONSTRUCTION

COA: 4011

EXPIRES: 12/31/2026



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

PROJECT INFORMATION:

PROJECT NO: 26-003543
SITE NAME: CK ACTON
SITE NO: KY-4161
CLIENT NAME: APC Towers

DRAWN BY: ANGELA ASHWOOD
CHECKED BY: BS

SHEET TITLE:

PIER AND PAD FOUNDATION

SHEET NUMBER:

GT-PPF

REVISION:

0



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



8601 Six Forks Rd Raleigh, NC 27615

ISSUED FOR:

REV	DATE	DESCRIPTION
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COA: 4011

EXPIRES: 12/31/2026



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DOCUMENT

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PROJECT NO: 26-003543
SITE NAME: CK ACTON
SITE NO: KY-4161
CLIENT NAME: APC Towers

DRAWN BY: ANGELA ASHWOOD
CHECKED BY: BS

SHEET TITLE:

ANCHOR BLOCK FOUNDATION

SHEET NUMBER:

GT-ABF

REVISION:

0

NOTES:

- REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
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- 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: 26146119
DATE: APRIL 17, 2026
- 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.
- CONCRETE VOLUME PER ANCHOR IN CUBIC YARDS: 2.81
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
- ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C94 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
- VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
- ANCHOR SHAFT: BY TOWER MANUFACTURER

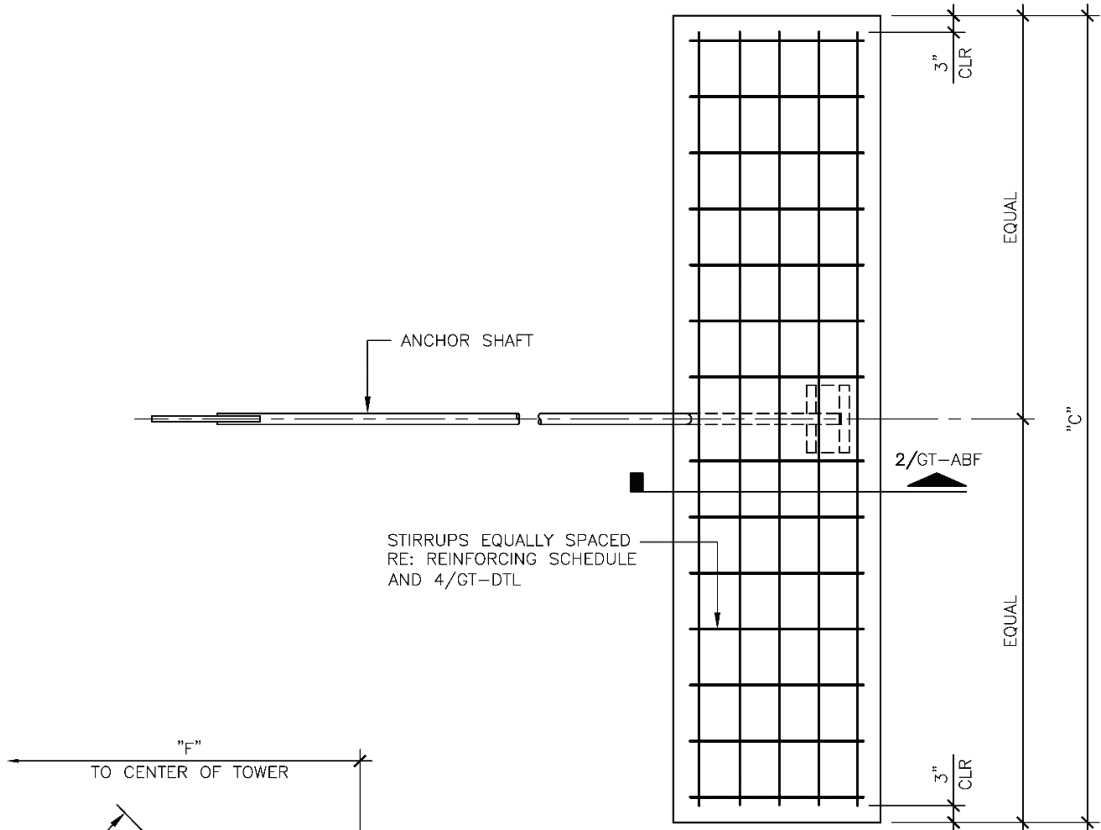
STIPULATION FOR REUSE:

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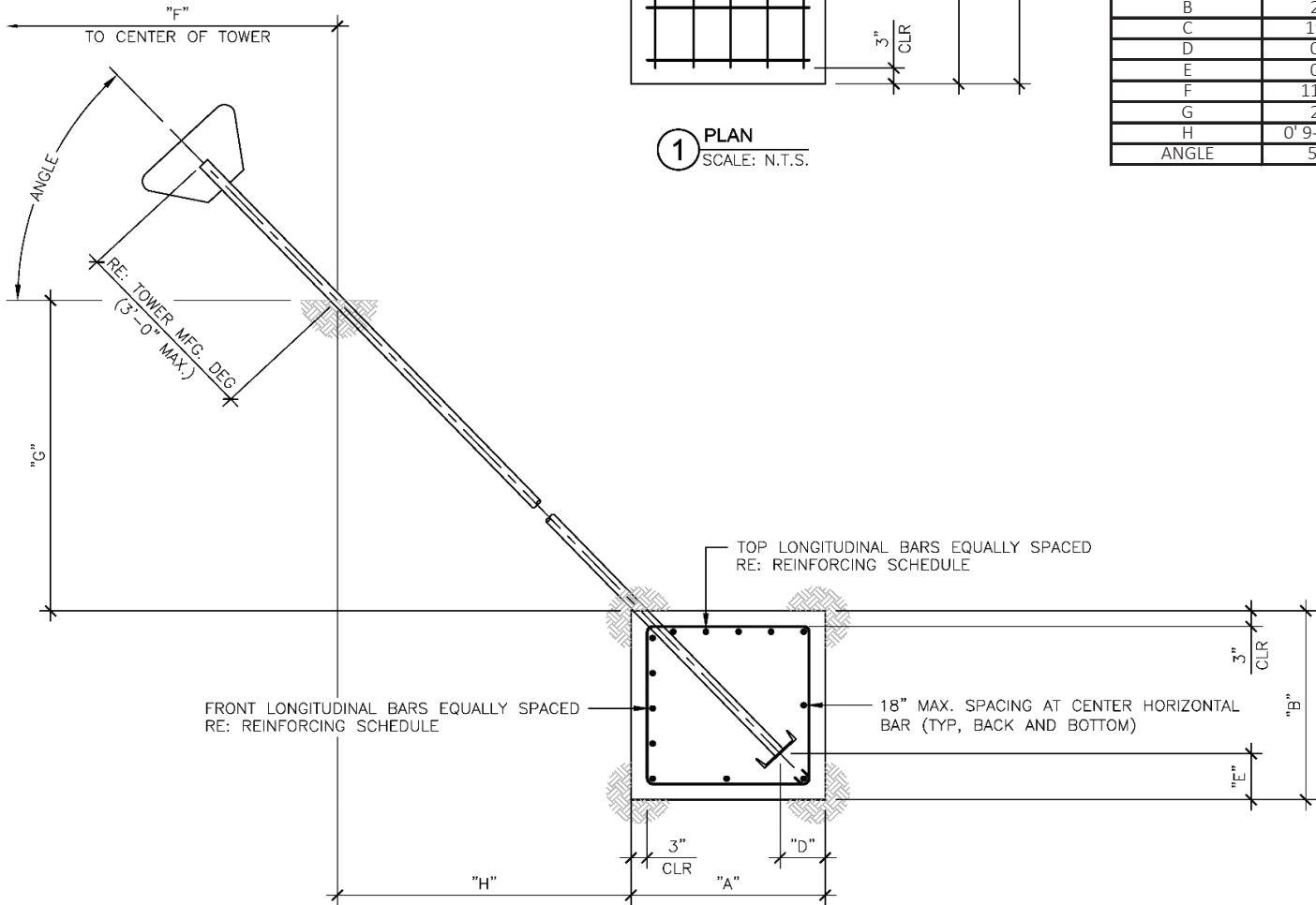
DIMENSIONING SCHEDULE	
A	2' 0"
B	2' 0"
C	19' 0"
D	0' 6"
E	0' 6"
F	115' 0"
G	2' 0"
H	0' 9-13/16"
ANGLE	56.5°

REINFORCING SCHEDULE	SIZE	TOTAL QTY 3 ANCHORS
STIRRUPS	# 4	69
LONGITUDINAL BARS TOP	# 6	15
LONGITUDINAL BARS FRONT	# 6	12
LONGITUDINAL BARS BACK	# 6	3
LONGITUDINAL BARS BOTTOM	# 6	6

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	65	KIPS
HORIZONTAL	43	KIPS



1 PLAN
SCALE: N.T.S.



2 SECTION
SCALE: N.T.S.



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



8601 Six Forks Rd Raleigh, NC 27615

ISSUED FOR:

REV	DATE	DESCRIPTION
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COA: 4011

EXPIRES: 12/31/2026



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PROJECT INFORMATION:

PROJECT NO: 26-003543
SITE NAME: CK ACTON
SITE NO: KY-4161
CLIENT NAME: APC Towers

DRAWN BY: ANGELA ASHWOOD
CHECKED BY: BS

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

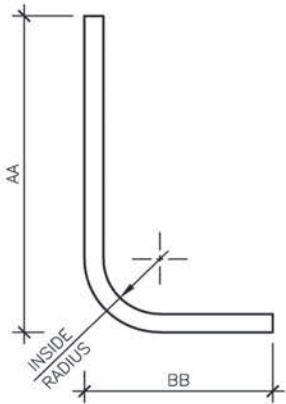
DTL

REVISION:

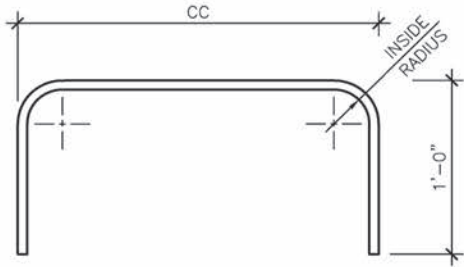
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DIMENSIONING SCHEDULE	
AA*	4' 10-1/2"
BB	1' 0"
CC*	1' 10-5/8"
DD	3' 0"
EE*	1' 6"
FF*	1' 6"
GG	0' 3"

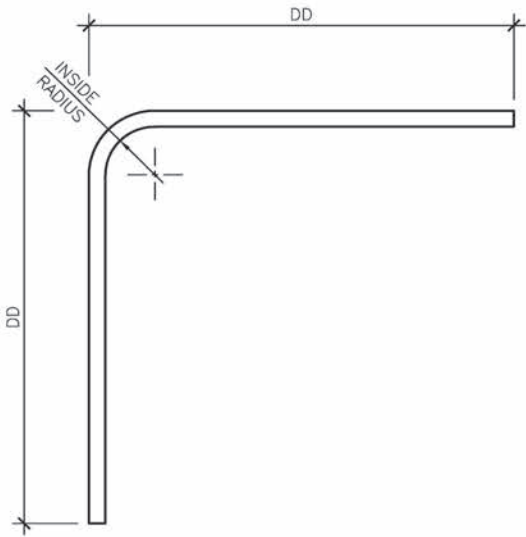
*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION



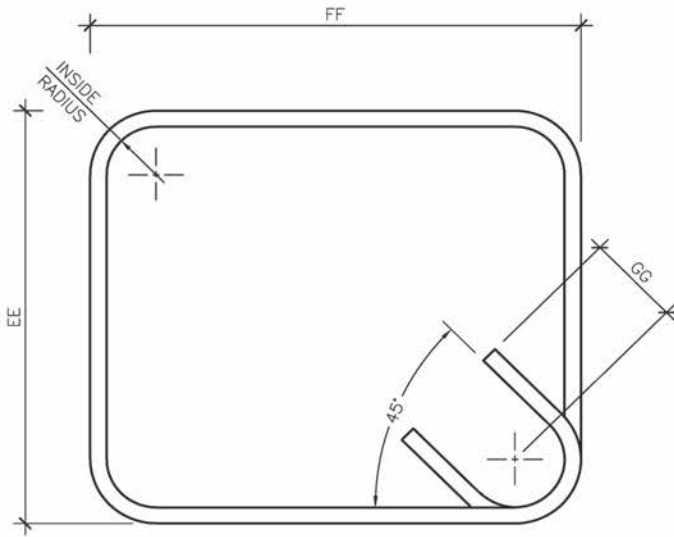
1 L-BAR
SCALE: N.T.S.



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



3 CORNER BAR
SCALE: N.T.S.



4 STIRRUP
SCALE: N.T.S.

Pier and Pad Foundation

Project #:	26-003543
Site Name:	CK Acton
Site #:	KY-4161

TIA-222 Revision:	H
Tower Type:	Guyed

Top & Bot. Pad Rein. Different?:	☐
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp} :	172	kips
Base Shear, V_{u_comp} :	1	kips
Moment, M_u :	0	ft-kips
Tower Height, H :	245	ft
BP Dist. Above Fdn, bp_{dist} :	0	in
Bolt Circle / Bearing Plate Width, BC :	12	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, $dpier$:	2.5	ft
Ext. Above Grade, E :	0.5	ft
Pier Rebar Size, Sc :	6	
Pier Rebar Quantity, mc :	9	
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 :	5	ft
Pad Width, W_1 :	6	ft
Pad Thickness, T :	1.5	ft
Pad Rebar Size (Bottom dir. 2), Sp_2 :	6	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	7	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	4	ksi
Dry Concrete Density, δ_c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	110	pcf
Ultimate Net Bearing, Q_{net} :	11.000	ksf
Cohesion, C_u :		ksf
Friction Angle, ϕ :	38	degrees
SPT Blow Count, N_{blows} :	50	
Base Friction, μ :	0.35	
Neglected Depth, N :	1.67	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, gw :	N/A	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
Lateral (Sliding) (kips)	45.34	1.00	2.2%	Pass
Bearing Pressure (ksf)	6.93	5.76	83.1%	Pass
Overturning (kip*ft)	67.10	5.50	8.2%	Pass
Pier Flexure (Comp.) (kip*ft)	341.63	4.00	1.2%	Pass
Pier Compression (kip)	3124.31	175.53	5.6%	Pass
Pad Flexure (kip*ft)	187.08	45.35	24.2%	Pass
Pad Shear - 1-way (kips)	94.77	17.64	18.6%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.043	22.5%	Pass
Flexural 2-way (Comp) (kip*ft)	374.15	2.40	0.6%	Pass

Structural Rating:	24.2%
Soil Rating:	83.1%

<--Toggle between Gross and Net

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

Project #: 26-003543
 Site Name: CK Acton
 Site #: KY-4161
 Location: B-2

TIA-222 Revision: H

Design Reactions		
Shear, S:	43.00	kips
Uplift, Ua:	65.00	kips
Resultant Force, Rf:	77.94	kips
Tower Height, H:	245.00	ft
Guy Anchor Radius, R:	115.00	ft
Resultant Angle to Horizontal, θ:	56.5	deg

Guy Anchor Properties		
Depth to Bottom of Deadman, Da:	4	ft
Anchor Width, Wa:	2	ft
Anchor Thickness, Ta:	2	ft
Anchor Length, La:	19	ft
Concrete Volume, Vc:	25.0	yd ³
Toe Width, toe:		ft
Guyed Anchor Top Rebar Size, Sat:	6	
No. of Bars in Top of Block:	5	
Guyed Anchor Front Rebar Size, Saf:	6	
No. of Bars in Front of Block:	4	
Stirrup Size:	4	

Material Properties		
Rebar Grade, Fy:	60	ksi
Concrete Strength, F'c:	4	ksi
Wt. Avg. Concrete Density, δx:	0.150	kcf
Clear Cover, cc:	3	in

Design Checks				
	Capacity	Demand	Rating	Check
<i>Lateral Capacity (kips):</i>	47.59	43.00	90.3%	Pass
<i>Uplift Capacity (kips):</i>	113.96	65.00	57.0%	Pass
<i>Lateral Flexural Capacity (ft*kips):</i>	154.27	102.13	66.2%	Pass
<i>Uplift Flexural Capacity (ft*kips):</i>	191.23	154.38	80.7%	Pass

Anchor Shaft Rating:	N/A
Structural Rating:	80.7%
Soil Rating:	90.3%

Neglect Depth, Neg:	1.666666667	ft
Groundwater Level, gw:	N/A	ft

Soil Properties:		No. of Soil Layers:				
Layer	φ, deg	cu, ksf	δ, pcf	d, ft	Ultimate fs (ksf)	N (blows/ft)
1	29		105	2.00	0.200	
2	38		130	3.00	0.200	
3	38		130	4.00	0.500	

*key: φ = Internal Angle of Friction
 cu = Cohesion / Undrained Shear Strength
 δ = Buoyant Soil Unit Weight
 d = Depth to Bottom of Layer
 Ultimate fs = Geotechnical Report-provided skin friction / adhesion
 N = SPT Blow Count

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

Search

	Utility ID	Utility Name	Utility Type	Class	City	State
View	4002000	1GLOBAL Operations (US) Inc.	Cellular	D	Durham	NC
View	4115150	ACN Communication Services, LLC dba Flash Wireless dba Flash Mobile	Cellular	D	Charlotte	NC
View	4115750	Affiniti Ventures, Inc.	Cellular	D	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	B	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	Jupiter	FL
View	4115050	Aquarius Silver LLC	Cellular	D	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4116450	Atomic Mobile, Inc.	Cellular	D	Spring Lake	NJ
View	4113100	BARK TECHNOLOGIES, INC.	Cellular	D	Kaysville	UT
View	4108600	BCN Telecom, Inc.	Cellular	D	Boca Raton	FL
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	Richfield	MN
View	4116500	Best Networks, Inc dba Pronto Mobile	Cellular	D	Lewes	DE
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	B	Kennett Square	PA
View	4112000	Boost SubscriberCo, L.L.C.	Cellular	A	Littleton	CO
View	4116800	Brick Phone, Inc.	Cellular	C	Brooklyn	NY
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular	D	New York	NY
View	4116700	Carrier Pigeon, LLC	Cellular	C	Kennett Square	PA
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	4116350	Compax MVNO Venture, Inc.	Cellular	D	Hillsboro	OR
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	4116850	Culture Wireless Group, Inc.	Cellular	C	Atlanta	GA
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4116950	Diez Mobile US, Inc.	Cellular	C	Cambridge	MA

View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	D	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	4112400	Excess Telecom Inc.	Cellular	D	Las Vegas	NV
View	4116100	Fierce Data Solutions, LLC	Cellular	D	Las Vegas	NV
View	4116050	Flex Mobile, Inc.	Cellular	D	Las Vegas	NV
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Reston	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	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	4116650	INSTABRIDGE, INC.	Cellular	C	Chigaco	IL
View	4117000	Instructional Telecommunications Foundation, Inc. dba Mission Telecom	Cellular	C	Englewood	CO
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	4116900	Kind Wireless LLC	Cellular	C	Kennett Square	PA
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	D	Sunny Isles Beach	FL
View	4111400	Locus Telecommunications, LLC	Cellular	B	Teaneck	NJ
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4112500	Marconi Wireless Holdings, LLC	Cellular	C	West Palm Beach	FL
View	4114800	Mediacom Wireless LLC	Cellular	D	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	A	Costa Mesa	CA
View	4115100	Mobile 13, Inc	Cellular	D	South Jordan	UT
View	4114950	Moxee Technologies LLC dba COLLEGIATE MOBILE	Cellular	D	Sparks	NV
View	4114100	MVNO Connect LLC	Cellular	D	Bellevue	WA
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	San Francisco	CA
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4116750	OXIO Corpation	Cellular	C	New York	NY
View	4109050	Patriot Mobile LLC	Cellular	A	Grapevine	TX
View	4116150	Peak Data Solutions, LLC	Cellular	D	Camden	DE
View	4115600	PHREELI COMPANY	Cellular	D	Lewes	DE
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	4115650	PLUG MOBILE LLC	Cellular	D	Olivette	MO
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4107700	Puretalk Holdings, Inc.	Cellular	C	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL

View	4116600	Qikfox Cybersecurity Systems, Inc.	Cellular	C	San Mateo	CA
View	4115900	RABONA CORPORATION	Cellular	D	New York	NY
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4116000	Ringer Mobile, LLC	Cellular	D	Peachtree Corners	GA
View	4116400	Rizz Wireless LLC	Cellular	D	San Francisco	CA
View	4114200	Roccstar Wireless LLC	Cellular	D	Bedford	TX
View	4114700	Rocket Mobile LLC	Cellular	D	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	D	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	B	Fremont	NE
View	4116550	Smartless Mobile, LLC	Cellular	D	Culver City	CA
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	D	Key Bixcayne	FL
View	4115950	Switch Mobile, LLC	Cellular	D	Layton	UT
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	Houston	TX
View	4115850	TELCO Communications LLC dba TELCO CELLULAR	Cellular	D	Oceanside	NY
View	4116200	Telco Papa Ltd	Cellular	D	Palo Alto	CA
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	D	Bartlett	TN
View	4103300	Touchtone Communications, Inc.	Cellular	D	Cedar Knolls	NJ
View	4115350	TREK CELLULAR, LLC	Cellular	D	Stevensville	MD
View	4112250	TROOMI WIRELESS, Inc.	Cellular	B	Orem	UT
View	4114600	TruConnect Communications, Inc.	Cellular	D	Los Angeles	CA
View	4112600	Tube Incorporated dba Reach Mobile	Cellular	D	Atlanta	GA
View	4112750	Unity Wireless, Inc.	Cellular	D	Pembroke Pines	FL
View	4116300	US Mobile, Inc.	Cellular	A	New York	NY
View	4115800	USA Mobile LLC	Cellular	D	Laguna Beach	CA
View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	D	Costa Mesa	CA
View	10630	Verizon Americas LLC dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4104200	Verizon Value, Inc.	Cellular	D	Miami	FL
View	4110800	Visible Service LLC	Cellular	C	Basking Ridge	NJ
View	4115700	Viva-US Communications, Inc.	Cellular	D	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	4115250	WHOOP MOBILE INC.	Cellular	D	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	San Antonio	TX
View	4110950	Wing Tel Inc.	Cellular	C	New York	NY
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4116250	Yonder Media Mobile Inc. dba Yo Mobile	Cellular	D	Bronx	NY
View	4112150	Zefcom, LLC	Cellular	D	Wichita Falls	TX

EXHIBIT E

**FEDERAL AVIATION ADMINISTRATION
DOCUMENTATION**



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

Aeronautical Study No.
2026-ASO-4778-OE

Issued Date: 05/28/2026

APC TOWERS
JONATHAN GREENE
8601 Six Forks Rd
Suite 250
Raleigh, NC 27615

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower KY-4161 CK Acton
County, State: Taylor, Kentucky

Collected Point(s):

Label	Latitude	Longitude	SE	DET AGL	AMSL
pt-1	37-21-09.59N	85-14-58.71W	793 Ft	250 Ft	1043 Ft

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

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

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

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

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

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

See attachment for additional condition(s) or information.

This determination expires on 11/28/2027 unless:

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

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

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

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

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

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

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

If we can be of further assistance, please contact our office at 1-817-222-5924, or amber.a-CTR.davis@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2026-ASO-4778-OE.

Signature Control No: 695544414-706616517

Amber Davis
Technician

(DNE)

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

cc: FCC

Additional information for ASN 2026-ASO-4778-OE

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

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

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

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

Frequency Data for ASN 2026-ASO-4778-OE

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

Verified Map for ASN 2026-ASO-4778-OE



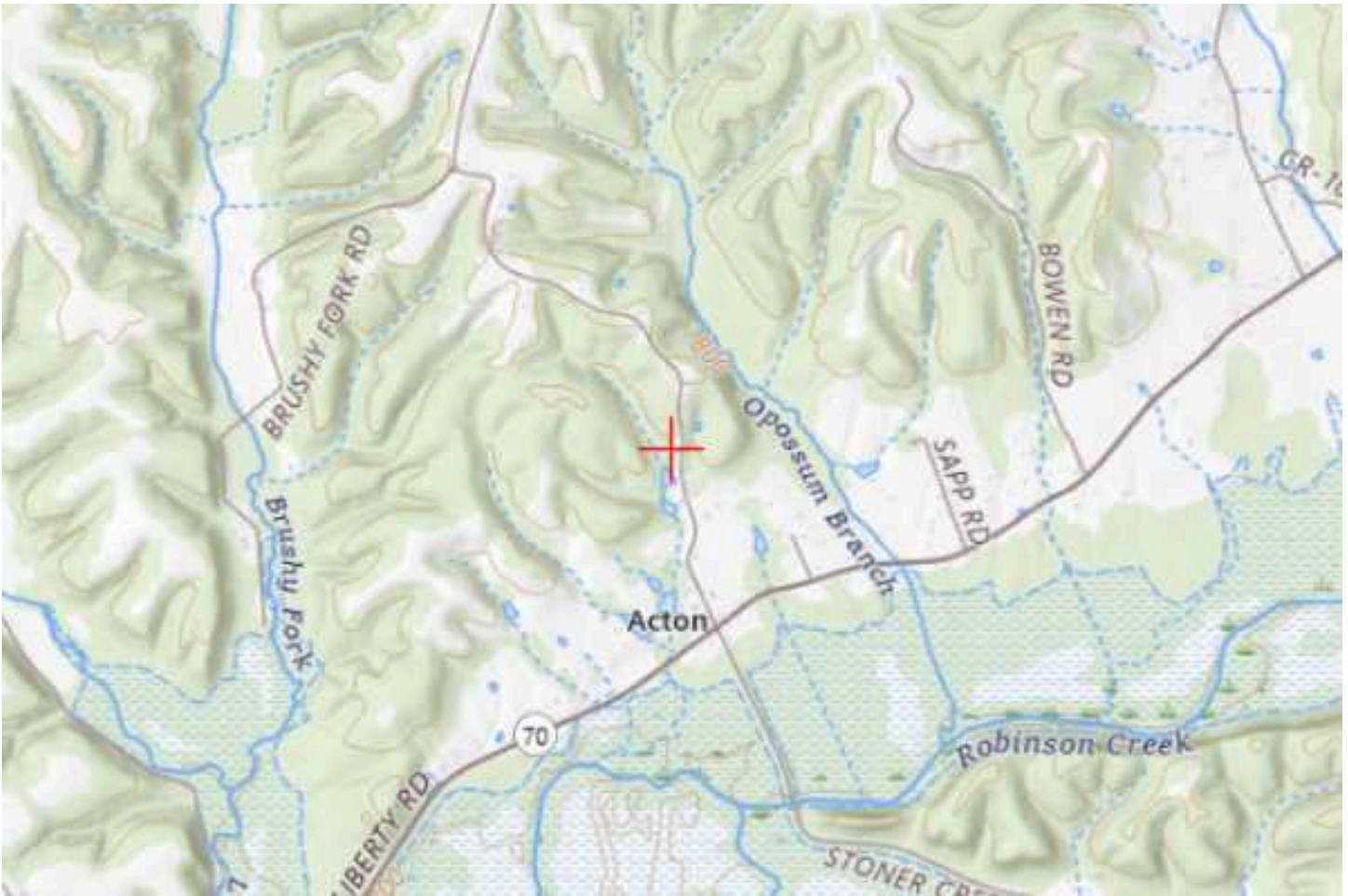


EXHIBIT F

**KENTUCKY AIRPORT ZONING COMMISSION
DOCUMENTATION**



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

Department of Aviation, 90 Airport Road
Frankfort, KY 40601
www.transportation.ky.gov
502-564-0151

JIM GRAY
Secretary

APPROVAL OF APPLICATION

Tuesday, June 30, 2026

APC Towers
8601 Six Forks Road, Suite 250
Raleigh, NC 27615

AS-2026-020-AAS **Taylor County Airport**
APPLICANTS NAME: APC Towers
NEAREST CITY: Campbellsville, KY
LATITUDE/LONGITUDE: 37°21'9.59" N, 85°14'58.71" W
HEIGHT (In Feet): 250' AGL/1,043' AMSL
CONSTRUCTION PROPOSED: Communications Tower

NOTES: The tower is located approx 2.61 nm E of AAS and penetrates no protected air surfaces.

FAA DETERMINATION: 2026-ASO-4778-OE. No Hazard to Air Navigation. Marked & lighted IAW FAA AC 70/7460-1 M C1; med-dual system-Chapters 4,8(M-Dual) &15.

This letter is to notify you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

An email of this letter was also sent to your representative, Jack Luckadoo, at jluckadoo@apctowers.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Administrator
Department of Aviation
502-564-0151 office
AirportZoning@ky.gov



EXHIBIT G
GEOTECHNICAL REPORT

GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

April 17, 2026

**PROPOSED GUYED TOWER
EV CK ACTON
(US-KY-4161)**

**Wooleyville Road
Campbellsville, KY 42718**

37.35266284, -85.24964136

Prepared for:

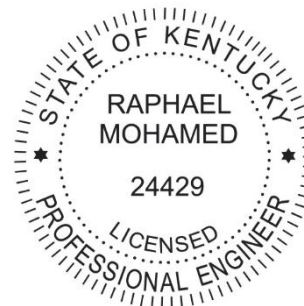


Prepared by:



A handwritten signature in black ink that reads "Tyler Schueller".

Tyler Schueller
Geotechnical Engineer I



Raphael Mohamed, P.E.
Registered KY 24429

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 245-foot guyed tower with 5-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: 37.35266284 Longitude: -85.24964136
Site Condition	The proposed tower will be installed at Wooleyville Road in Campbellsville, Kentucky
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Taylor County, KY is 20 inches (1.7 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	April 14 th , 2026
Number of Borings	1
Location	B-1: Latitude: 37.35266284 Longitude: -85.24964136 B-2: Latitude: 37.35270055 Longitude: -85.25006881 B-3: Latitude: 37.35293950 Longitude: -85.24938672 B-4: Latitude: 37.35234846 Longitude: -85.24946855
Equipment Used	Mobile B-51
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
ASTM G187	Standard Test Method for Measurement of Soil Resistivity Using the Two-Electrode Soil Box Method

Subsurface Profile

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

Material Encountered	Description	Consistency / Density
SAND	Brown, moist clayey sand	Loose
PWR	Partially Weathered Rock sampled as clayey sand with rock fragments	--
SHALE	Slightly weathered and moderately fractured shale	--

1. Refer to boring logs for stratification details

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	SC	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.

Shallow Refusal and Excavation Considerations

Shallow refusal was encountered at select locations at depths of less than approximately 2 feet below ground surface. For the purposes of this report, refusal is defined as the inability to advance conventional excavation or drilling equipment due to very dense, cemented, or indurated materials, partially weathered rock, caliche, or other hard subsurface materials.

The depth to refusal may vary laterally across the site and between exploration locations. The presence of shallow refusal at one location does not necessarily indicate uniform conditions across the entire site.

Excavation Conditions

Where shallow refusal is encountered, excavation may not be feasible using conventional earthmoving or drilling equipment. Excavation in these areas may require the use of heavier or specialized equipment, including but not limited to:

- Track-mounted excavators equipped with rock buckets, rippers, or hydraulic hammers;
- Pre-ripping of rippable rock or cemented materials using appropriate ripping equipment;
- Specialized drilling tools such as rock augers, core barrels, or down-the-hole hammers for drilled shaft or pier installations.

Materials encountered at shallow depths may be rippable depending on their degree of cementation or weathering; however, excavation difficulty and construction effort should be anticipated to increase relative to typical soil conditions.

Blasting

If the refusal materials are determined to be non-rippable using conventional mechanical methods, controlled blasting may be required to achieve the required foundation excavation depth. Any blasting operations shall be performed by a licensed blasting contractor and shall comply with all applicable federal, state, and local regulations.

Prior to blasting, the contractor shall evaluate potential impacts to adjacent structures, utilities, and existing improvements and shall implement appropriate safety, monitoring, and vibration control measures as required by the authority having jurisdiction.

Foundation Construction Considerations

The presence of shallow refusal may affect foundation embedment depth, foundation type selection, and construction methods. If refusal is encountered above the planned foundation bearing elevation, design modifications may be required. Such modifications may include, but are not limited to, adjustments to foundation depth or geometry, the use of alternative foundation systems, or bearing partially or fully on rock, as appropriate.

Any significant variations from the subsurface conditions described herein should be brought to the attention of the Geotechnical Engineer for review prior to proceeding with construction to confirm that the foundation design and construction approach remain appropriate.

Construction Observation

We recommend that the Geotechnical Engineer or their designated representative be notified when shallow refusal is encountered during construction. Observation of excavation conditions will allow verification of material type, assessment of excavation feasibility, and confirmation that foundation elements are founded on materials consistent with the design assumptions.

Earthwork Construction Considerations

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

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

Foundations Recommendations

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

Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 2.0	PWR	130	38	--
	2.0 – 3.0	PWR	130	38	--
	3.0 – 8.0	SHALE	145	45	--
	8.0 – 13.0	SHALE	145	--	10,000
B-2	0.0 – 2.0	SC	105	29	--
	2.0 – 4.0	PWR	130	38	--
B-3	0.0 – 2.5	PWR	130	38	--
B-4	0.0 – 2.0	SC	105	29	--
	2.0 – 3.8	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 guyed towers, we recommend that either a caisson (drilled shaft) or a pad/pier be used to support the new tower.

Modulus of Subgrade Reaction

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

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

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

Where:

q_a = Allowable Bearing Capacity (ksf)

SF = Safety Factor

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

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

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

Caisson (Drilled Shaft)

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

Caisson (Drilled Shaft) Parameters

Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	Ultimate Skin Friction ¹ (ksf)		Lateral Modulus (pci)	E ₅₀ (in/in)
		Compressive	Uplift		
0.0 – 2.0	--	--	--	--	--
2.0 – 3.0	--	0.2	0.2	225	--
3.0 – 8.0	--	0.5	0.5	225	--
8.0 – 13.0	40	5.0	5.0	2,000	0.001

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

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

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

fluid and the in-place concrete at all times. Additionally, concrete should be consolidated using vibration methods over the entire length and width of the caissons and the consolidation should be performed only after these fluids are removed and to the extent possible.

Pad & Pier / Single Mat Foundation

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

Net Ultimate Bearing Capacity and Sliding Friction Factor

Depth² (ft)	Net Ultimate Bearing Capacity¹ (psf)	Sliding Friction Factor¹
0.0 – 2.0	--	--
2.0 – 8.0	11,000	0.35
8.0 – 12.0	28,500	0.60

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 Pressure¹ (psf)¹
B-1	0.0 – 2.0	0 – 800
	2.0 – 4.0	800 – 1,600
	4.0 – 8.0	1,600 – 4,800
	8.0 – 12.0	4,800 – 8,000
	12.0 – 20.0	8,000 – 14,400

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

Anchor Blocks

Concrete gravity blocks achieve resistance against the applied loads through the weight of the concrete in the blocks, the weight of the soil above the blocks, skin friction between the block and surrounding soil, and passive pressures developed in the soil. For these calculations we recommend the following values be used:

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure (psf)	Sliding Friction Factor
B-2 (Anchor)	0.0 – 2.0	0 – 600	0.35
	2.0 – 4.0	600 – 1,400	
B-3 (Anchor)	0.0 – 2.5	0 - 800	0.35
B-4 (Anchor)	0.0 – 2.0	0 – 600	0.35
	2.0 – 4.8	600 – 1,400	

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	$S_{ds} = 0.24g$ $S_{d1} = 0.16g$
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.	

Soil Resistivity

Laboratory soil resistivity test were conducted according to procedures designated in ASTM G187 and test results are presented in the following table. Soil resistivity values will vary with temperature and moisture content changes and may be different at other times.

Soil Resistivity Testing Results

Boring	Sample Depth (ft)	Resistivity (Ohm-cm)
B-1	0.0 – 2.0	110,000

LIMITATIONS OF REPORT

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

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

APPENDIX A
LOCATION INFORMATION

SITE LOCATION PLAN
EV CK ACTON (US-KY-4161)
Job Number: 26146119



BORING LOCATION PLAN
EV CK ACTON (US-KY-4161)
Job Number: 26146119



SITE PHOTO
EV CK ACTON (US-KY-4161)
Job Number: 26146119



APPENDIX B
SOIL TEST BORING



BORING NUMBER B-1

PAGE 1 OF 1

CLIENT	APC Towers	PROJECT NAME	EV CK ACTON (US-KY-4161)
PROJECT NUMBER	26146119	PROJECT LOCATION	Wooleyville Rd, Campbellsville, KY 42718
DATE	4/14/2026	COORDINATES	37.35266284, -85.24964136
DRILLING METHOD	Hollow Stem Auger (HSA) and Rock Coring	GROUND WATER LEVELS:	
DRILLING EQUIPMENT	Mobile B-51	AT TIME OF DRILLING	--- Not Encountered
LOGGED BY	T. Schueller	AT END OF DRILLING	--- Not Encountered
NOTES		0hrs AFTER DRILLING	--- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0.0					
		PARTIALLY WEATHERED ROCK (PWR) , Sampled as Clayey Sand with Rock Fragments.	SS 1		50/5"
2.5			SS 2		50/3"
		SHALE , Slightly Weathered and Moderately Fractured.			
5.0			RC 3	100 (51)	
7.5					
10.0			RC 4	100 (80)	
12.5					
Bottom of borehole at 13.0 feet.					

ETS - BORING W/ROCK CORING 2 - ETS DATABASE JUN30.GDT - 4/17/26 12:11 - R:\2026\146119 EV CK ACTON\GE08084 GEOTECHREPORT\EV CK ACTON.GPJ



CLIENT APC Towers

PROJECT NAME EV CK ACTON (US-KY-4161)

PROJECT NUMBER 26146119

PROJECT LOCATION Wooleyville Rd, Campbellsville, KY 42718

DATE 4/14/2026

COORDINATES 37.35270055, -85.25006881

DRILLING METHOD Hollow Stem Auger (HSA)

GROUND WATER LEVELS:

DRILLING EQUIPMENT Mobile B-51

AT TIME OF DRILLING --- Not Encountered

LOGGED BY T. Schueller

AT END OF DRILLING --- Not Encountered

NOTES

0hrs AFTER DRILLING --- Not Encountered

ETS - BORING W/ROCK CORING 2 - ETS DATABASE JUN30.GDT - 4/17/26 12:11 - R:\2026\146119_EV CK ACTON\GE8084_GEO TECH\REPORT\EV CK ACTON.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0.0					
		<u>CLAYEY SAND (SC)</u> , brown, moist, loose.	SS 1		4-4-5 (9)
2.5		<u>PARTIALLY WEATHERED ROCK (PWR)</u> , , Sampled as Clayey Sand with Rock Fragments.	SS 2		27-50/3"

Auger Refusal at 4.0 feet.

CLIENT APC TowersPROJECT NAME EV CK ACTON (US-KY-4161)PROJECT NUMBER 26146119PROJECT LOCATION Wooleyville Rd, Campbellsville, KY 42718DATE 4/14/2026COORDINATES 37.3529395, -85.24938672DRILLING METHOD Hollow Stem Auger (HSA)

GROUND WATER LEVELS:

DRILLING EQUIPMENT Mobile B-51AT TIME OF DRILLING --- Not EncounteredLOGGED BY T. SchuellerAT END OF DRILLING --- Not Encountered

NOTES _____

0hrs AFTER DRILLING --- Not Encountered

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0.0					
		<u>PARTIALLY WEATHERED ROCK (PWR)</u> , Sampled as Clayey Sand with Rock Fragments.	SS 1		10-50/3"
2.5					

Auger Refusal at 2.5 feet.



BORING NUMBER B-4

PAGE 1 OF 1

CLIENT	APC Towers	PROJECT NAME	EV CK ACTON (US-KY-4161)
PROJECT NUMBER	26146119	PROJECT LOCATION	Wooleyville Rd, Campbellsville, KY 42718
DATE	4/14/2026	COORDINATES	37.35234846, -85.24946855
DRILLING METHOD	Hollow Stem Auger (HSA)	GROUND WATER LEVELS:	
DRILLING EQUIPMENT	Mobile B-51	AT TIME OF DRILLING	--- Not Encountered
LOGGED BY	T. Schueller	AT END OF DRILLING	--- Not Encountered
NOTES		0hrs AFTER DRILLING	--- Not Encountered

ETS - BORING W/ROCK CORING 2 - ETS DATABASE JUN30.GDT - 4/17/26 12:11 - R:\2026\146119_EV CK ACTON\GE8084_GEO TECH\REPORT\EV CK ACTON.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0.0					
		<u>CLAYEY SAND (SC)</u> , brown, moist, loose.	SS 1		2-2-4 (6)
2.5		<u>PARTIALLY WEATHERED ROCK (PWR)</u> , , Sampled as Clayey Sand with Rock Fragments.	SS 2		7-50/4"

Auger Refusal at 3.8 feet.

EXHIBIT H

DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at 203 N Court St., Campbellsville, KY 42712, travel southwest on E 1st St. towards N Columbia Ave. for approximately 260 feet,
2. Turn left onto N Columbia Ave. and travel approximately 0.1 miles.
3. Turn left onto Commercial St. and travel approximately 0.1 miles.
4. Turn right onto S Central Ave. and continue for 0.9 miles.
5. Continue onto KY-70 E / Elkhorn Road and travel approximately 5.6 miles.
6. Turn left onto State Hwy 2784 / Wooleyville Rd. and travel approximately 0.4 miles.
7. Site is on the left at 417 Wooleyville Road, Campbellsville, KY 42718.
8. The site coordinates are
 - a. North 37 deg 21 min 09.59 sec
 - b. West 85 deg 14 min 58.71 sec



Prepared by:
Jacob Proctor
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 GROUND LEASE AGREEMENT

THIS OPTION AND GROUND LEASE AGREEMENT ("**Agreement**") is made and entered into as of the latter signature date hereto (the "**Effective Date**"), by and between TRISTA CORBIN MOSS, MARRIED, AND THOMAS BLAKE CORBIN, MARRIED, with a mailing address of 416 Gaddis Ridge Road, Elkhorn, KY 40033 ("**Lessor**"), and APC TOWERS IV, LLC, a Delaware limited liability company, with a mailing address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 ("**Lessee**").

RECITALS

WHEREAS, Lessor is the owner of that certain parcel of land located at 417 Wooleyville Road, Campbellsville, Taylor County, KY 42718, as more specifically described on **Exhibit A** hereto (the "**Property**"); and

WHEREAS, Lessor desires to grant to Lessee, and Lessee desires to obtain from Lessor an option to lease from Lessor a portion of the Property comprised of approximately 10,000 square feet of ground space (the "**Premises**"), together with an access easement for ingress and egress and the installation and maintenance of utilities (the easements collectively referred to as the "**Easements**") both being approximately located as shown on **Exhibit B** (the Premises and the Easements are collectively referred to herein as the "**Site**"), for the purpose of establishing and maintaining a communications facility for Lessee's use and that of its subtenants, licensees and customers.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee agree as follows.

1. Option to Lease.

- (a) In consideration of the payment of [REDACTED] by Lessee to Lessor, Lessor hereby grants to Lessee an exclusive and irrevocable option to lease the Premises and use the Easements on the terms and conditions set forth herein below (the "**Option**"). The Option has a term of twelve (12) months, commencing on the Effective Date and ending as of midnight on the date before the first anniversary of such date (the "**Option Period**"). Lessee has the right to extend the Option for two (2) additional terms of twelve (12) months each (each an "**Extended Option Period**"). The Option will automatically be extended for each Extended Option Period unless Lessee provides Lessor with written notice of Lessee's intent not to extend the Option at least ninety (90) days prior to the expiration of the Option Period or the first Extended Option Period, as applicable. Lessee will pay Lessor an additional payment of [REDACTED] within thirty (30) days of the commencement of each Extended Option Period.
- (b) During the Option Period, the Extended Option Periods and the Term, Lessor agrees to cooperate with Lessee in obtaining, at Lessee's expense but for no additional consideration payable to Lessor, all licenses and permits or authorizations required for Lessee's use of the Site from all applicable government and/or regulatory entities (the "**Government Approvals**"). Lessor hereby irrevocably appoints Lessee or Lessee's agent as Lessor's agent to file applications on behalf of Lessor with federal, state and local governmental authorities which applications relate to Lessee's use of the Site, including but not limited to land use and zoning applications. During the Option Period, Extended Option Periods and the Term, Lessor agrees

to cooperate with Lessee, at no cost to Lessor but for no additional consideration payable to Lessor, to obtain a title report, zoning approvals and variances, conditional-use permits and perform surveys, soils tests, perform RF engineering studies and other engineering procedures or environmental investigations on, under and over the Property, necessary to determine whether Lessee's use of the Site will be compatible with the Lessee's engineering specifications, intended use, system design, operations and Government Approvals. During the Option Period, Extended Option Periods and the Term, Lessor agrees to provide Lessee, at no cost to Lessor but for no additional consideration payable to Lessor, with any documents, materials or other instruments required or requested for Lessee to secure a title policy for the Site, which may include, among others, and each as applicable, the following: (i) a certified copy of the formation documents of Lessor and all amendments thereto from the state in which Lessor is organized; (ii) a certificate of good standing for the Lessor issued by the state where the Lessor is organized, not dated later than five (5) business days from the date requested by Lessee; (iii) a true and complete copy of the names of any shareholders, members or partners of the Lessor; (iv) true and complete copy of any operating agreement, partnership agreement, bylaws or similar document and all amendments thereto together certified as accurate and complete by an officer, director, partner, member or manager of Lessor; (v) a copy of the authorizing resolutions or consent of Lessor's governing body authorizing Lessor to enter into, comply with and perform under this Agreement; and (vi) such other documents that may be reasonably required or requested. Lessor's provision of the foregoing documents, materials or other instruments required for Lessee to secure a title policy for the Site shall be a prerequisite for the payment of any Rent or other monetary amounts payable by Lessee under this Agreement, and notwithstanding anything to the contrary herein and in addition to Lessee's rights and remedies otherwise provided in this Agreement, Lessee shall have no obligation to make any rental or other payments to Lessor until such items have been supplied to Lessee to the reasonable satisfaction of Lessee and Lessee's title insurer.

- (c) During the Option Period and any Extended Option Period, Lessee may exercise the Option by written notice to Lessor.

2. Premises. Subject to the terms and conditions of this Agreement, upon Lessee's exercise of the Option Lessor hereby leases to Lessee and Lessee hereby leases from Lessor the Premises together with the use of the Easements for the construction, modification, operation and maintenance of the Telecommunications Facilities (as defined in Section 7(a)).

3. Permitted Use. The Site may be used by Lessee for the construction, modification, operation, maintenance, repair, replacement and removal of the Telecommunications Facilities (the "**Permitted Use**"). Lessor may not commit any action or omission that would adversely affect the status of the Site with respect to the Permitted Use.

4. Term. The initial term of this Agreement ("**Initial Term**") is five (5) years, beginning on the date Lessee exercises the Option ("**Commencement Date**"), and expiring at midnight on the day prior to the fifth (5th) anniversary of the Commencement Date. Lessee has the right to extend the term of Agreement for nine (9) additional five (5) year terms (each a "**Renewal Term**"). Each Renewal Term will be on the same terms and conditions set forth in this Agreement. This Agreement will automatically renew for each successive Renewal Term unless Lessee notifies Lessor in writing of Lessee's intention not to renew the Term at least thirty (30) days prior to the expiration of the then current Term. The Initial Term and Renewal Terms are collectively referred to herein as the "**Term**".

- 5. Rent.** Lessee shall pay Lessor an initial monthly rent of [REDACTED] ("**Rent**"). The Rent is due and payable in advance on the first day of each month during

the Term commencing as of the Rent Commencement Date. The "**Rent Commencement Date**" is the earlier of (i) the date of issuance of a certificate of completion (or comparable certificate) from the applicable governmental authority for the Telecommunications Facilities or (ii) ninety (90) days from the Commencement Date. Rent will be prorated for any partial months, including the months in which the Rent Commencement Date and the expiration or termination of the Term occur. As a condition precedent to Lessee's obligation to remit any payments provided for under this Agreement, Lessor (as well as any successor to Lessor's interest in this Agreement or to such payments) agrees to provide Lessee with a completed IRS Form W-9 upon execution of this Agreement and at such other times as may be reasonably requested by Lessee, including any change in Lessor's name or address. If Lessee elects to remit payments payable under this Agreement by electronic funds transfer, Lessor agrees to provide to Lessee bank routing information for such purpose upon request of Lessee.

The Rent will increase on the first day of each Renewal Term by an amount equal to [REDACTED] of the Rent in effect immediately prior to the increase.

6. Interference. Lessor may not use, nor may Lessor permit its tenants, licensees, employees, invitees or agents to use any portion of the Property in any way that interferes with Lessee's Permitted Use of the Site. Such interference will be a material breach of this Agreement by Lessor and Lessor shall have the responsibility to terminate the interference immediately upon written notice from Lessee. Anything to the contrary in this Agreement notwithstanding, the cure periods provided for in Section 10 will not be applicable to failure by Lessor to fulfill its obligations under this Section 6. If any interference does not cease or is not rectified as soon as possible, but in no event longer than twenty-four (24) hours after Lessee's written notice to Lessor, Lessor acknowledges that the continuing interference will cause irreparable injury to Lessee, as well as Lessee's sublessees and licensees, and Lessee has the right, in addition to any other rights that it may have at law or in equity, to bring action to enjoin such interference or to terminate this Lease immediately upon notice to Lessor. Lessor represents and warrants that it has not sold, leased, licensed or otherwise granted rights in the Property that in any way interfere or could reasonably be likely to interfere with Lessee's rights to use Site for the Permitted Use.

7. Construction of Improvements.

- (a) Lessee may, from time to time during the Term, at its expense, construct, install, operate, maintain, replace, add to, upgrade and remove its (as well as its subtenants, licensees and customers) radio transmitting and receiving antennae, communications equipment, related cables, wires, conduits, air conditioning equipment and other appurtenances, as well as a tower(s) and building(s) or cabinets to house such equipment (collectively, the "**Telecommunications Facilities**"). Although the Telecommunications Facilities may become fixtures under applicable law, they will remain solely the property of Lessee and Lessee's subtenants, licensees and customers, and Lessee (and its subtenants, licensees and customers) has the right to remove any or all of them from time to time during the Term and the obligation to remove all of them at the expiration or earlier termination of the Term and repair the Premises to its original condition (including, without limitation, the express removal from the Premises of any and all Telecommunication Facilities to three (3) feet below grade), with normal wear and tear and casualty loss accepted. At the time of removal of the Telecommunications Facilities, Lessee shall, at its sole cost and expense, repair any damage to the Property and restore the Property to the same condition that existed prior to the installation of the Telecommunications Facilities (with the exception of normal wear and tear, casualty damage and the acts of third parties not associated with Lessee) within one hundred twenty (120) days. If the tower to be constructed by Lessee on the Premises is a guyed tower, Lessor also grants Lessee easements in, over, across and through

the Property or any other real property owned by Lessor as may be necessary to Tenant during the Initial Term and any Renewal Terms of this Agreement for the installation and maintenance and removal of and reasonable access to guy wires and guy wire anchors, which may be located outside of the Site.

- (b) The Telecommunications Facilities shall be initially configured as generally set forth in Exhibit C, subject to change by Lessee consistent with Section 7(a).
- (c) Lessee is solely responsible for operations, maintenance, repair and insuring of the equipment owned, constructed and installed by Lessee on the Premises.
- (d) Lessor hereby grants Lessee a non-exclusive, unimpaired landscape easement which includes the right to install vegetation and screening around the exterior of the perimeter of the Premises as necessary to meet the applicable landscaping and buffering requirements of applicable land use laws, rules and regulations, if and when such placement should ever be required (the "*Landscape Easement*").
- (e) Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities.

8. Access. During the Term, ingress and egress to the Premises is hereby granted by Lessor to Lessee and its subtenants, licensees and customers, and each of such party's agents, contractors and subcontractors, 24 hours a day, 365 days per year basis. This ingress and egress shall include the nonexclusive right to and from the Premises, over and across the Property and an access way from nearby public streets and driveways and parking rights for personnel and equipment. Lessee also has a nonexclusive right of way over and across the Property as necessary for the installation, running, servicing and maintenance of electrical power and other utilities necessary to serve the Telecommunications Facilities.

9. Utilities.

- (a) Lessee has the right to install utilities (including without limitation communications services and power) at Lessee's expense, and to improve the present utilities, if any, on the Premises. Lessee shall, wherever practical, install separate meters for utilities used on the Premises.
- (b) Lessee may utilize the Easements for ingress, egress, and access to the Premises as may be required for the construction, installation and maintenance by the appropriate utility companies for the purpose of servicing the Telecommunications Facilities. In addition to Lessee and its sublessees and licensees, Lessee may grant the right to utilize the Easements to any utility servicing the Site. Lessor agrees to execute, at no cost to Lessee a utility easement between Lessor and any such utility provider, if reasonably necessary.

10. Default. Any breach of a material term hereof that is not cured within thirty (30) days from receipt of written notice from the non-breaching party shall constitute a "*Default*"; provided, however, that if efforts to cure such breach are commenced within said 30-day period and thereafter diligently prosecuted to completion, such period shall be extended for a period of time not to exceed six (6) months. The foregoing notwithstanding, any monetary breach not cured within fifteen (15) days from receipt of written notice thereof from the other party shall constitute a Default by the breaching party.

11. Termination.

- (a) In addition to other termination rights contained in this Agreement, this Agreement may be terminated upon written notice from the non-breaching party to the breaching party upon a Default and as otherwise provided in this section.
- (b) Lessee may terminate this Agreement upon written notice to Lessor if Lessee determines, in Lessee's sole discretion, that the results of any studies, reports, and/or applications for Governmental Approvals contemplated under Section 1(b) of this Agreement are unacceptable.
- (c) Lessee may terminate this Agreement upon thirty (30) days prior written notice to Lessor, if (i) Lessee determines that the Premises are technologically unsuitable, in Lessee's reasonable opinion, for the operation of the Telecommunications Facilities, including but not limited to unacceptable radio signal interference and any addition, alteration or new construction on, adjacent to or in the vicinity of the Premises or the Property that blocks, either partially or totally, transmission or receiving paths used by any of the Telecommunications Facilities; (ii) any Governmental Approval that Lessee reasonably deems necessary or convenient for the construction, operation, maintenance, reconstruction, modification, addition to or removal of the Telecommunications Facilities is not, in Lessee's sole discretion, reasonably obtainable or maintainable in the future; (iii) Lessee determines, in Lessee's commercially reasonable judgment, that the Premises cease to be economically viable as a telecommunications site; or (iv) Hazardous Substances (as defined in Section 14) are or become present on the Property in violation of Environmental Laws (as defined in Section 14).

12. Condemnation. If all or any part of the Premises or any portion of the Easements, or any roadway to the Premises is taken by eminent domain or other action by any governmental or quasi-governmental body having the legal right to take said lands, and if said taking in the sole discretion of Lessee renders the Premises unsuitable for its intended purpose, then at Lessee's option, Lessee may terminate this Agreement as of the date the title vests in the condemning authority. Lessor and Lessee will share in the condemnation proceeds in proportion to the values of their respective interests in the Site (which for Lessee includes, where applicable, the value of the Telecommunication Facilities, moving expenses, prepaid rent and business dislocation expenses). If Lessee does not terminate this Agreement as provided in this section, this Agreement shall remain in effect, but the Rent shall be reduced by the amount that bears the same proportion to the Rent immediately prior to the partial taking which was applicable to the Premises immediately prior to such taking and thereafter the "Premises" will be deemed to be the remaining portion of the initial Premises.

13. Indemnification.

- (a) Lessor, its heirs, grantees, successors, and assigns shall indemnify and defend Lessee from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the acts or omissions of Lessor, or Lessor's principals, employees, invitees, agents or independent contractors. Lessee, its grantees, successors, and assigns shall indemnify and defend Lessor from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the negligent acts or omissions of Lessee, or Lessee's employees, agents or independent contractors.

- (b) If either party is entitled to indemnification and defense ("**Indemnified Party**") from the other party ("**Indemnifying Party**") pursuant to this Agreement, the Indemnified Party shall notify the Indemnifying Party promptly, in writing, of any claims by any person for which the Indemnified Party alleges that the Indemnifying Party is responsible hereunder and tender the defense of such claim to the Indemnifying Party. The Indemnified Party shall fully cooperate with the defense or settlement of such claim. The Indemnifying Party shall not be liable under this Agreement for settlements by the Indemnified Party of any claim unless the Indemnifying Party has approved the settlement in advance (such approval not to be unreasonably withheld, conditioned or delayed) or unless the defense of the claim has been tendered to the Indemnifying Party, in writing, and the Indemnifying Party has failed promptly to undertake the defense. This Section 13 shall survive the termination or expiration of this Agreement.

14. Hazardous Substances. Lessor represents and warrants to Lessee that Lessor: (i) is not presently engaged in, (ii) does not presently have actual knowledge of, (iii) has not at any time in the past engaged in, and (iv) has no actual knowledge that any third person or entity has engaged in or permitted any operations or activities upon, or any use or occupancy of, the Premises, or any portion of the Property, for the purpose of, or in any way involving the handling, manufacturing, treatment, storage, use, transportation, spillage, leakage, dumping, discharge or disposal (whether legal or illegal), accidental or intentional, of any hazardous substances, materials or wastes ("**Hazardous Substances**") regulated under any local, state, or federal law pertaining to the environment, public health or safety or the handling, manufacturing, treatment storage, use, transportation, spillage, leakage, dumping, discharge or disposal of Hazardous Substances ("**Environmental Laws**"). Lessor indemnifies and defends Lessee from and against any and all claims of liability under any Environmental Laws for Hazardous Substances which were handled, manufactured, treated, stored, used, transported, spilled, leaked, dumped, discharged, disposed of or otherwise introduced into the Property, except for claims arising in whole or in any part out of Lessee's use or occupancy of the Premises. The indemnity obligations contained in this Section 14 shall survive the termination or expiration of this Agreement.

15. Insurance. Lessee will carry during the term of the Agreement the following insurance with customary coverage and exclusions: (i) bodily injury: [REDACTED] for injury to any one person and [REDACTED] for all injuries sustained by more than one person in any one occurrence; and (ii) property damage: full replacement costs of Lessee's property. Lessee agrees to furnish Lessor with certificates of insurance certifying that Lessee has in force and effect the above-specified insurance. Lessee shall have Lessor named as additional insured on all policies obtained or maintained by Lessee pursuant to this Section 15, except for workers' compensation policies. Lessor and Lessee mutually covenant and agree that each party, in connection with insurance policies required to be furnished in accordance with the terms of this Agreement, or in connection with insurance policies which they obtain insuring such insurable interest as Lessor or Lessee may have in its own properties, whether personal or real, shall expressly waive any right of subrogation on the part of the insurer against the Lessor or Lessee as the same may be applicable, which right to the extent not prohibited or violative of any such policy is hereby expressly waived. Lessor and Lessee each agree to seek recovery based solely on insurance policies as set forth above, provided such policies are in effect, and each mutually waive all right of recovery against each other, their agents, or employees for any loss, damage or injury of any nature whatsoever to property or person except to the extent either party is required by this Agreement to carry insurance.

16. Taxes. Lessee shall pay any personal property taxes assessed on or attributable to the Telecommunications Facilities. Lessor shall pay when due all real property taxes and all other fees and assessments attributable to the Property, Premises and Easements. Lessee will pay to Lessor within thirty (30) days from Lessor's request, any increase in Lessor's real property taxes which are directly and solely attributable to any improvements to the Site made by Lessee. If Lessor fails to pay when due any taxes affecting the Property or the Site, Lessee shall have the right, but not the obligation, to pay such taxes and

(i) deduct the full amount of the taxes paid by Lessee on Lessor's behalf from future installments of Rent, or (ii) collect such taxes by any lawful means.

17. Quiet Enjoyment, Title and Authority.

- (a) During the Term, Lessee may peaceably and quietly hold and enjoy the Premises, free from disturbance from any person claiming by, through or under Lessor, subject only to those matters of title of record as of the Effective Date.
- (b) Lessor covenants and warrants to Lessee that: (i) Lessor has full right, power and authority to execute this Agreement; (ii) Lessor has good and unencumbered title to the Property, free and clear of any liens or mortgages, except those disclosed to Lessee and of record as of the Effective Date, that will not interfere with Lessee's rights to or use of the Premises; (iii) the execution and performance of this Agreement will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Lessor.
- (c) Lessor agrees that, during the Option Period, Extended Option Period and the Term, Lessee will have the exclusive right to lease the Property or any portion thereof from the Lessor for the operation of antennae and telecommunications facilities providing transmission and receiving facilities for wireless providers and users, and that Lessor will not grant a lease, sublease, or other license or right to use any portion of the Property, or any other adjacent property owned by Lessor, to any other party for operation of antenna and/or telecommunications facilities.

18. Notices.

- (a) All notices hereunder must be in writing and shall be deemed validly given if sent by hand delivery, a reputable national overnight courier service (such as FedEx or United Parcel Service), or by certified mail, postage prepaid, return receipt requested, to the address shown below (or to any other address that the party to be notified may designate from time to time by written notice to the other party).

If to Lessee to: APC Towers IV, LLC
8601 Six Forks Road, Suite 250
Raleigh, NC 27615
Attention: Daniel C. Agresta III, President & CEO
Ref. Site ID: KY-4161

Telephone: (919) 324-1922 *(included for information purposes only and not for notices)*
Fax: (919) 890-0788 *(included for information purposes only; not for notices)*

If to Lessor to: Trista Moss and Thomas Corbin
416 Gaddis Ridge Road
Elkhorn, KY 40033
Ref. Site ID: KY-4161

Telephone: _____ *(included for information purposes only and not for notices)*
Email: _____ *(included for information purposes only; not for notices)*

- (b) If there is a change in ownership of the Property and Lessor's agreement is assigned to another party, then within ten (10) days of such transfer, Lessor or its successor will send copies of the documents listed below in this subsection (b) to Lessee. Until Lessee receives all such

documents, Lessee shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement.

- i. Old deed to Property
- ii. New deed to Property
- iii. Bill of Sale or Transfer
- iv. Current Tax Bill
- v. New IRS Form W-9
- vi. Full contact (information purposes only and not for notices) for new Lessor including phone number(s)

19. Estoppel, Non-Disturbance and Attornment.

- (a) Lessor will, from time to time, upon not less than ten (10) days prior written notice from Lessee, execute and deliver to Lessee a written estoppel certificate certifying that as of the date of the certification: (i) this Agreement is a valid enforceable agreement, presently in full force and effect; (ii) whether Lessor has any knowledge of any default or breach by Lessee under any of the terms, conditions, or covenants of this Agreement; (iii) the Term (its commencement and termination dates) and the term of any option or renewal periods granted to the Lessee to extend the Term; (iv) the amount of the then-current Rent payable under the Agreement; (v) attached to the certification is a true and correct copy of the Agreement and all amendments thereto, (vi) and such other facts as Lessee or its prospective mortgagee or purchaser may request.
- (b) Lessor shall obtain for Lessee from the holder of any mortgage and deed of trust now or hereafter encumbering the Property a subordination and non-disturbance agreement, providing that so long as Lessee is not in default under this Agreement, its rights as Lessee hereunder shall not be terminated and its access to and possession of the Premises shall not be disturbed by the mortgagee or trustee, or by any proceedings on the debt which any such mortgage or deed of trust secures, and that any sale at foreclosure shall be subject to this Agreement.

20. Assignment. This Agreement is freely assignable by Lessee to any other party upon written notice to Lessor, without the necessity of obtaining Lessor's consent. Upon an assignment, Lessee shall be relieved of all liabilities and obligations arising under this Agreement subsequent to the date of such assignment. Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities. Additionally, Lessee may mortgage or grant a security interest in this Agreement and the Telecommunications Facilities and may assign this Agreement and the Telecommunications Facilities to any such mortgagees or holders of security interests including their successors and assigns (hereinafter collectively referred to as "**Secured Parties**"). If requested by Lessee, Lessor shall execute such consent to such financing as may reasonably be required by Secured Parties. In addition, if requested by Lessee, Lessor agrees to notify Lessee and Lessee's Secured Parties simultaneously of any default by Lessee and to give Secured Parties the same right to cure any default as Lessee. If a termination, disaffirmance or rejection of this Agreement by Lessee pursuant to any laws (including any bankruptcy or insolvency laws) occurs, or if Lessor shall terminate this Agreement for any reason, Lessor will give to Secured Parties prompt notice thereof and Secured Parties shall have the right to enter upon the Premises during a 30-day period commencing upon Secured Parties' receipt of such notice for the purpose of removing any Telecommunications Facilities. Lessor acknowledges that Secured Parties are third-party beneficiaries of this Agreement.

21. Limited Right of First Refusal. Notwithstanding anything to the contrary contained herein, this paragraph shall not apply to any fee simple sale of the Property from Lessor to any prospective purchaser that is not a Third-Party Competitor or to Lessee. A Third-Party Competitor as included in this Section is

defined as a party that competes, owns, markets or distributes products within the telecommunications industry and is not an affiliate, licensee, or distributor of Lessee. If Lessor receives an offer or desires to offer to: (i) sell or convey any interest (including, but not limited to, leaseholds or easements) in any real property of which the Leased Premises is a part to a Third Party Competitor or (ii) assign all or any portion of Lessor's interest in the Lease to a Third Party Competitor (any such offer, the "Offer"), Lessee shall have the right of first refusal to purchase the real property or other interest being offered by Lessor in connection with the Offer on the same terms and conditions. If Lessee elects, in its sole and absolute discretion, to exercise its right of first refusal as provided herein, Lessee must provide Lessor with notice of its election not later than forty-five (45) days after Lessee receives written notice from Lessor of the Offer. If Lessee elects not to exercise Lessee's right of first refusal with respect to an Offer as provided herein, Lessor may complete the transaction contemplated in the Offer with the Third-Party Competitor on the stated terms and price but with the express condition that such sale is made subject to the terms of the Lease, as modified by an amendment. Lessor hereby acknowledges and agrees that any sale or conveyance by Lessor in violation of this Section is and shall be deemed to be null and void and of no force and effect. The terms, provisions, and conditions of this Section shall survive the execution and delivery of an amendment.

22. Further Assurances. Each party shall take all such further actions and execute all such further documents and instruments as the parties may at any time reasonably determine to be necessary or desirable to carry out and consummate the transactions contemplated by this Agreement.

23. Waiver of Lessor's Lien. Lessor hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Telecommunications Facilities or any portion thereof, regardless of whether or not same is deemed real or personal property under applicable laws.

24. Waiver of Damages. Neither Lessor nor Lessee shall be responsible or liable to the other party for any loss or damage arising from any claim to the extent attributable to any acts of vandalism or for any structural or power failures or destruction or damage to the Telecommunications Facilities except to the extent caused by the negligence or willful misconduct of such party.

25. Miscellaneous.

- (a) This Agreement shall extend to and bind the heirs, executors, administrators, successors and assigns of the parties hereto.
- (b) This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the state or commonwealth in which the Site is located, without regard to its conflicts of laws principles.
- (c) For purposes of providing constructive notice hereof and if required by applicable law, Lessor and Lessee hereby agree to execute the i) Memorandum of Option (see form attached hereto as **Exhibit D-1**), and ii) Memorandum of Ground Lease Agreement (see form attached hereto as **Exhibit D-2**); and Lessee shall have the same recorded in the land records of the county and state in which the Premises is located. The cost of any such recording is to be paid for solely by the Lessee.
- (d) Any sale or other conveyance by the Lessor of all or part of the Site shall be under and subject to this Agreement and Lessee's rights hereunder.
- (e) It is hereby mutually agreed and understood that this Agreement contains all agreements, promises and understandings between the Lessor and the Lessee and that no verbal or oral agreements, promises, or understandings shall or will be binding upon either the Lessor or

Lessee in any dispute, controversy or proceeding at law, or any addition to, variation, or modification of this Agreement shall be void and ineffective unless in writing signed by the parties hereto.

- (f) If either Lessor or Lessee is represented by a real estate broker in this transaction, that party is fully responsible for any fees due such broker and will hold the other party harmless from any claims for commission by such broker.
- (g) This Agreement may be executed in two or more counterparts, all of which are considered one and the same agreement and become effective when one or more counterparts have been signed by each of the parties, it being understood that all parties need not sign the same counterpart.
- (h) The parties agree that a scanned or electronically reproduced copy or image of this Agreement will be deemed an original and may be introduced or submitted in any action or proceeding as competent evidence of the execution, terms and existence hereof notwithstanding the failure or inability to produce or tender an original, executed counterpart of this Agreement and without the requirement that the unavailability of such original, executed counterpart of this Agreement first be proven.
- (i) In the event of any dispute arising hereunder or a default by Lessor or Lessee, and if litigation is commenced, the prevailing party shall be entitled to recover from the other party all costs and expenses incurred in connection with such litigation, including, but not limited to, reasonable attorneys' fees and costs.

26. Confidentiality. Lessor shall not disclose to any third party the Rent payable by Lessee under this Agreement and shall treat such information as confidential, except that Lessor may disclose such information to prospective buyers, prospective or existing lenders, Lessor's affiliates and attorneys, or as may be required by law or as may be necessary for the enforcement of Lessor's rights under this Agreement. Lessor acknowledges that the disclosure of such information to any other parties may cause Lessee irreparable harm, and in the event of such disclosure, as an additional remedy, Lessee shall have the right to terminate this Agreement upon giving thirty (30) days written notice thereof to Lessor.

(Signature Pages Follow)

IN WITNESS WHEREOF, the parties hereto have executed this OPTION AND GROUND LEASE AGREEMENT as of the dates written below.

LESSOR:

TRISTA CORBIN MOSS

By (sign): Trista Corbin Moss
Name (print): Trista Corbin Moss
Date: 12/5/2025

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF Kentucky
COUNTY OF Taylor

On the 5th day of December in the year 2025 before me, the undersigned, personally appeared Trista Corbin Moss, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she/he executed the same in her/his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Jennifer Godsey
KY061469, Notary Public

My Commission Expires: Oct 31, 2026



LESSOR:

TRISTA CORBIN MOSS' SPOUSE

By (sign): Ryan B. Moss
Name (print): Ryan B. Moss
Date: 12-16-2025

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF Kentucky
COUNTY OF Taylor

On the 16th day of December in the year 2025 before me, the undersigned, personally appeared Ryan B Moss, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she/he executed the same in her/his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Jennifer Godsey
KYNP61469, Notary Public
My Commission Expires: Oct 31, 2024

LESSOR:

THOMAS BLAKE CORBIN

By (sign): Thomas B Corbin

Name (print): Thomas B. Corbin

Date: 12/5/2025

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF Kentucky

COUNTY OF Taylor

On the 5th day of December in the year 2025 before me, the undersigned, personally appeared Thomas B. Corbin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she/he executed the same in her/his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Jennifer Godsey
KY NP 61469, Notary Public

My Commission Expires: Oct. 31, 2026

LESSOR:

THOMAS BLAKE CORBIN'S SPOUSE

By (sign): Jamie L. Corbin
Name (print): Jamie L. Corbin
Date: 12-15-25

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSOR ACKNOWLEDGMENT

STATE OF Kentucky
COUNTY OF Taylor

On the 15th day of December in the year 2025 before me, the undersigned, personally appeared Jamie L. Corbin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she/he executed the same in her/his capacity, and that by her/his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Jennifer Godsey
KYNP61469, Notary Public

My Commission Expires: Oct. 31, 2026



LESSEE:

APC TOWERS IV, LLC,
a Delaware limited liability company

By: [Signature]

Name: Daniel C. Agresta III

Title: President & CEO

Date: 1/5/2026

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

LESSEE ACKNOWLEDGMENT

STATE OF NORTH CAROLINA

COUNTY OF WAKE

On the 5th day of January 2026 in the year 2026 before me, the undersigned, personally appeared Daniel C. Agresta III, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

[SEAL]

Talicia C. Neal

Talicia C. Neal, Notary Public

My Commission Expires: April 12, 2028.



EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY

Legal description of the Property to be provided on new Exhibit A prior to exercise of Option per Paragraph 1(c). Initials by Lessor and Lessee at the bottom of the new Exhibit A will constitute approval.

Situate in Taylor County, State of Kentucky:

Beginning at a stone in Lee Kilby's line at the foot of Mt. Zion Hill on the County Road Leading from Acton to Mt. Zion in the southeast corner of the first tract in the deed set out below conveyed to Daniel White by Nora Lee Dickerson, et vir., thence N 37 W with Lee Kilby's line 8 chains 32 links to a sugar tree corner to Kilby and Daniel White; thence a division line with Daniel White N 76 E 6 chains to the said Road; thence with the western boundary of said road S 12 W 8t chains 14 links to the beginning.

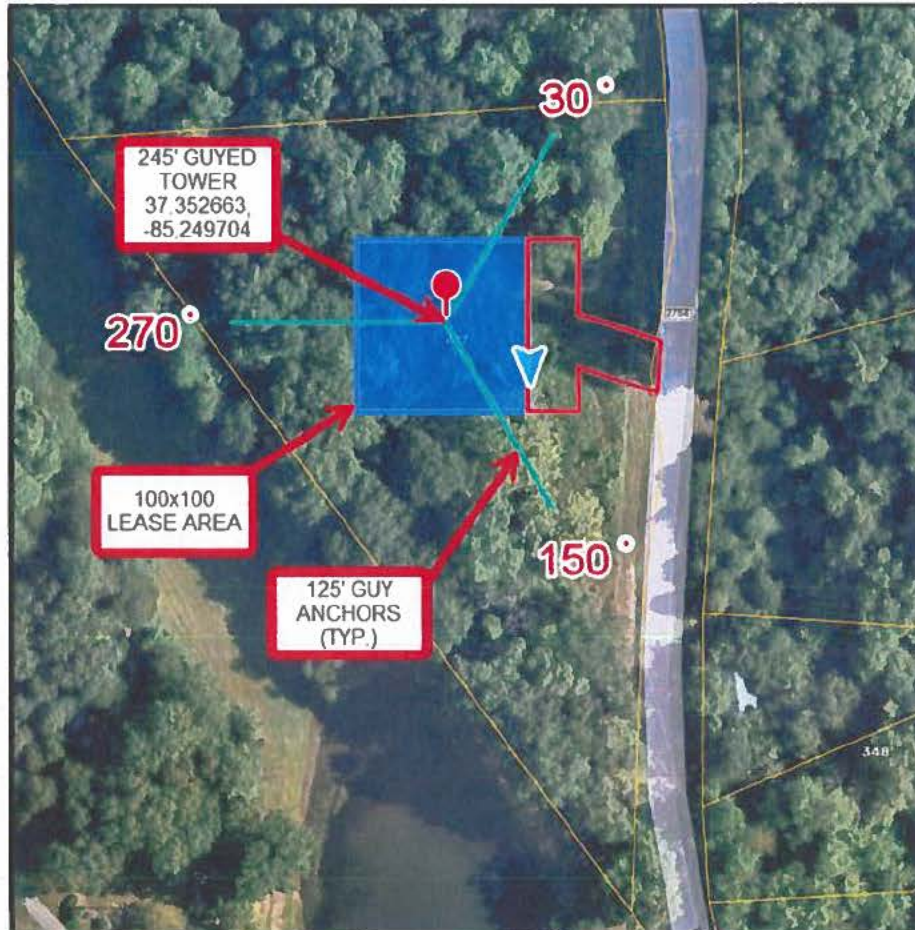
Tax ID: 2940

Being The Same Property Conveyed To Trista Corbin Moss, married, and Thomas Blake Corbin, Married, Grantee, from Thomas Allen Corbin And Cynthia Corbin, Husband And Wife, For And During Their Joint Lives With Remainder In Fee Simple To The Survivor Of Them, Grantors, By Deed Recorded 10/28/2025, as Book 356, Page 443 of the Taylor County records.

EXHIBIT B

DESCRIPTION OF PREMISES

Legal description of the Premises and Easements may be provided on a new Exhibit B prior to exercise of Option per Paragraph 1(c). Initials by Lessor and Lessee at the bottom of the new Exhibit B will constitute approval thereof.



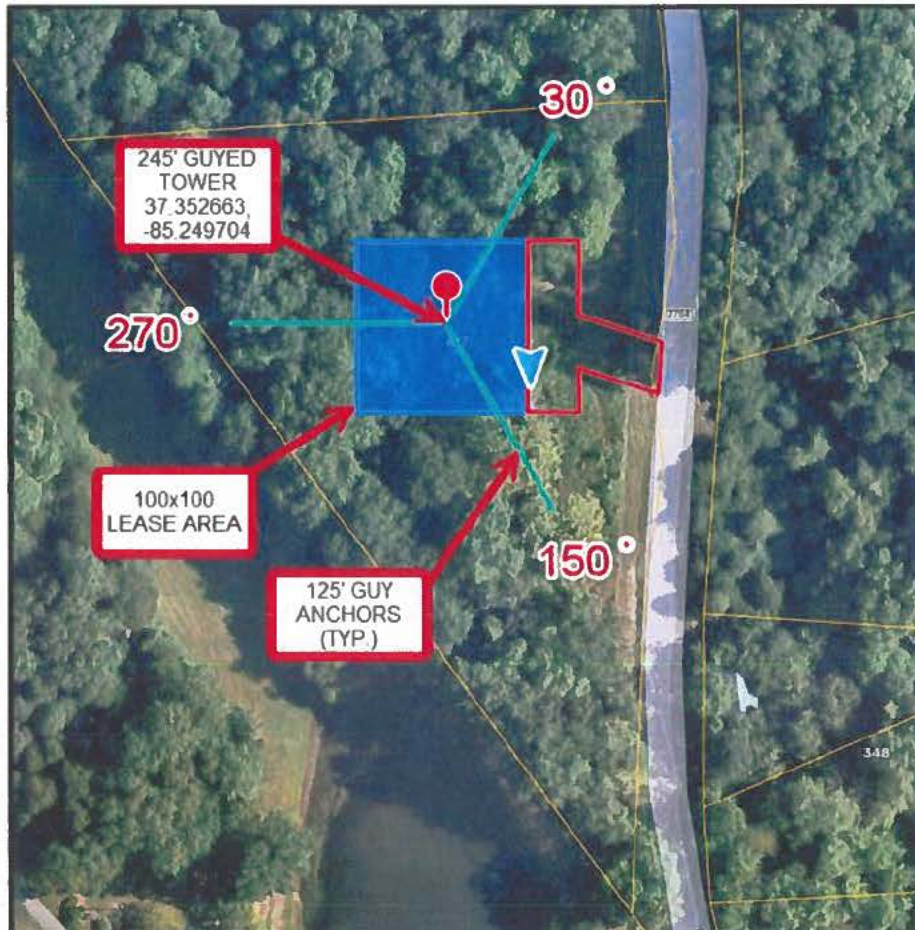
Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

EXHIBIT C

SITE PLAN

To be verified by survey prior to Exercise of Option per Paragraph 1(c).



Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.

EXHIBIT J

**NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE**

CK Acton – Notice List

58-026

LAWLER AARON B & EILEEN E
538 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718

58-027-01

WARREN MARK & JACOB
810 GIDGET TRAIL
CAMPBELLSVILLE KY 42718

58-030

CORBIN DONNA & THOMAS A
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

58-031

PERKINS STEVEN SCOTT & BILLI JO
64 BLACK RD
CAMPBELLSVILLE KY 42718

58-032

MOSS TRISTA C &
CORBIN THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

65-023

GILPIN LESLIE DEAN & PEGGY SUE
264 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

65-024

MALONE TERRESA
C/O TIFFANY R MILBY
211 VINEYARD RD
ELIZABETHTOWN KY 42701

Taylor County, KY PVA

Parcel Summary

Map Number 58-026
Account Number 175420 (PID: 432698 PTID: 175420)
Location Address 538 WOOLEYVILLE RD
Tax District 01 County and County School
Homestead No
2025 Tax Rate 0.9685
Property Class FARM
Description HOUSE & 70 ACRE FARM (MULTIPLE TRACTS)
Acres 70
Deed Information 341/370

[View Map](#)
For more information regarding the Flood Zone in Taylor County (CLICK HERE)



P

Owner Information

Current Owner
LAWLER AARON B & EILEEN E
538 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			70.00	SECONDARY	GRAVEL	TYPICAL	AVERAGE	\$210,000

Residential Improvement Information

Building	1	Heat	
Residential Type	SINGLE FAMILY	AC	
Year Built	0	Total Rooms	0
Foundation		Value	\$31,500
Basement		Living Sqft	906
Exterior	ALUMINUM/VINYL	Basement Sqft	0
Bedrooms	0	Garage Sqft	0
Full Bath	0	Porch Sqft	210
Half Bath	0	Patio/Deck Sqft	114
Roof Cover	COMPOSITION SHINGLES	Basement Finish	
Roof Type	GABLE	Structure	1 STORY
Residential Condition	FAIR	Garage	NONE
Fireplaces	0	Pool	

Certified Value Information

	2025	2024	2023
Homestead	N	N	N
FRM_FCV	\$250,000	\$250,000	\$250,000
FRM_TXV	\$49,250	\$49,250	\$49,250
FRM_RES	\$31,500	\$31,500	\$31,500
FRM_AC	\$70	\$70	\$70
FIRE_AC	\$61	\$61	\$61
PREV_ASST	\$32,950	\$32,950	\$32,950

Working Value Information

Values subject to change until certified

	2026
Homestead	N
FRM_FCV	\$250,000
FRM_TXV	\$49,250
FRM_RES	\$31,500
FRM_AC	\$70
FIRE_AC	\$61
PREV_ASST	\$32,950

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
12/22/2022	\$250,000	341	370	DUDGEON LEONA JANE	Multiple Properties

Photos



Recent Sales In Area

Sale date range:

From:

06/17/20

To:

06/17/20

Search Sales by Neighborhood

Search Sales by Subdivision

Distance:

1500

Units:

Feet

▼

Search Sales by Distance

No data available for the following modules: Commercial Improvement Information, Mobile Home Information, Sketches.

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Taylor County, KY PVA

Parcel Summary

Map Number 58-027-01
Account Number 174753 (PID: 432086 PTID: 174753)
Location Address WOOLEYVILLE RD
Tax District 01 County and County School
Homestead No
2025 Tax Rate 0.9685
Property Class RESIDENTIAL
Description 6.63 ACRE TRACT & BLDGS
Acres 6.63
Deed Information 263/805

[View Map](#)
[For more information regarding the Flood Zone in Taylor County \(CLICK HERE\)](#)



P

Owner Information

Current Owner
WARREN MARK & JACOB
810 GIDGET TRAIL
CAMPBELLSVILLE KY 42718

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			6.63			TYPICAL	AVERAGE	\$18,000

Certified Value Information

	2025	2024	2023
Homestead	N	N	N
RES	\$21,000	\$21,000	\$21,000
PREV_ASST	\$12,000	\$12,000	\$12,000

Working Value Information

Values subject to change until certified

	2026
Homestead	N
RES	\$27,000
PREV_ASST	\$21,000

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
01/03/2007				MARVIN WARREN (BROTHER)	Close Relative Sales

Photos



Recent Sales In Area

Sale date range:

From:

06/17/20

To:

06/17/20

Search Sales by Neighborhood

Search Sales by Subdivision

Distance:

1500

Units:

Feet



Search Sales by Distance

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Taylor County, KY PVA

Parcel Summary

Map Number 58-030
Account Number 180982 (PID: 437760 PTID: 180982)
Location Address 317 WOOLEYVILLE RD
Tax District 01 County and County School
Homestead Yes
2025 Tax Rate 0.9685
Property Class FARM
Description HOUSE & 37.44 ACRE FARM
Acres 37.44
Deed Information 220/557

[View Map](#)
For more information regarding the Flood Zone in Taylor County (CLICK HERE)



P

Owner Information

Current Owner
CORBIN DONNA & THOMAS A
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			37.44	SECONDARY	UNIMPROVED	TYPICAL	AVERAGE	\$142,000

Residential Improvement Information

Building	1	Heat	HEAT PUMP
Residential Type	SINGLE FAMILY	AC	CENTRAL
Year Built	2001	Total Rooms	0
Foundation	POURED CONCRETE	Value	\$204,000
Basement	WALKOUT	Living Sqft	1,885
Exterior	BRICK VENEER	Basement Sqft	1,044
Bedrooms	0	Garage Sqft	638
Full Bath	0	Porch Sqft	180
Half Bath	0	Patio/Deck Sqft	216
Roof Cover	COMPOSITION SHINGLES	Basement Finish	
Roof Type	GABLE	Structure	1.5 STORY
Residential Condition	NEW	Garage	ATTCHD2
Fireplaces	0	Pool	

Certified Value Information

	2025	2024	2023
Homestead	N	N	N
FRM_FCV	\$253,000	\$253,000	\$253,000
FRM_TXV	\$177,250	\$177,250	\$177,250
FRM_RES	\$165,000	\$165,000	\$165,000
FRM_AC	\$29	\$29	\$29
FIRE_AC	\$17	\$17	\$17
PREV_ASST	\$154,250	\$154,250	\$154,250

Working Value Information

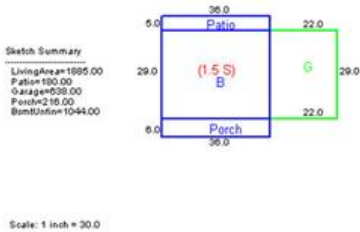
Values subject to change until certified

	2026
Homestead	FR
FRM_FCV	\$349,000
FRM_TXV	\$216,250
FRM_RES	\$204,000
FRM_AC	\$29
FIRE_AC	\$17
PREV_ASST	\$177,250

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
04/01/2000				WISE JOHN	Close Relative Sales
06/01/1981				RAY COX & G W PENN	
				WISE JOHN W	Close Relative Sales

Photos



Recent Sales In Area

Sale date range:

From:

To:

06/17/2021

06/17/2021

Search Sales by Neighborhood

Search Sales by Subdivision

Distance:

Units:

1500

Feet

Search Sales by Distance

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Contact Us



Taylor County, KY PVA

Parcel Summary

Map Number 58-031
Account Number 169674 (PID: 427410 PTID: 169674)
Location Address WOOLEYVILLE RD
Tax District 01 County and County School
Homestead No
2025 Tax Rate 0.9685
Property Class RESIDENTIAL
Description .6 ACRE LOT ON MT ZION RD
Acres 0.6
Deed Information 342/610

[View Map](#)

[For more information regarding the Flood Zone in Taylor County \(CLICK HERE\)](#)

Owner Information

Current Owner
PERKINS STEVEN SCOTT & BILLI JO
64 BLACK RD
CAMPBELLSVILLE KY 42718

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			0.60	SECONDARY	UNIMPROVED	TYPICAL	AVERAGE	\$6,000

Certified Value Information

	2025	2024	2023
Homestead	N	N	N
RES	\$3,000	\$3,000	\$3,000

Working Value Information

Values subject to change until certified

	2026
Homestead	N
RES	\$6,000
PREV_ASST	\$3,000

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
04/03/2023	\$11,000	342	610	PERKINS MITCHELL L & EMMA	Close Relative Sales

Recent Sales In Area

Sale date range:

From:

06/17/21

To:

06/17/21

Search Sales by Neighborhood

Search Sales by Subdivision

Distance:

1500

Units:

Feet



Search Sales by Distance

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Taylor County, KY PVA

Parcel Summary

Map Number 58-032
Account Number 177523 (PID: 434631 PTID: 177523)
Location Address 417 WOOLEYVILLE RD
Tax District 01 County and County School
Homestead No
2025 Tax Rate 0.9685
Property Class RESIDENTIAL
Description 1 ACRE
Acres 1
Deed Information 356/443

[View Map](#)
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Owner Information

Current Owner
MOSS TRISTA C &
CORBIN THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			1.00	SECONDARY	GRAVEL	TYPICAL	AVERAGE	\$12,000

Certified Value Information

	2025	2024	2023
Homestead	N	N	N
RES	\$6,000	\$6,000	\$6,000
PREV_ASST	\$12,000	\$12,000	\$12,000

Working Value Information

Values subject to change until certified

	2026
Homestead	N
RES	\$12,000
PREV_ASST	\$6,000

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
10/20/2025		356	443	CORBIN THOMAS ALLEN & DONNA ANN	Transfer Tax Not Paid
01/22/2014	\$6,000	296	521	PENDLETON DENISE	Expansion Sale

Recent Sales In Area

Sale date range:

From: 06/17/2021

To: 06/17/2021

Search Sales by Neighborhood

Search Sales by Subdivision

Distance: 1500

Units: Feet

Search Sales by Distance

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Taylor County, KY PVA

Parcel Summary

Map Number 65-023
Account Number 171293 (PID: 428909 PTID: 171293)
Location Address 264 WOOLEYVILLE RD
Tax District 01 County and County School
Homestead No
2025 Tax Rate 0.9685
Property Class RESIDENTIAL
Description MOBILE HOME & 4 ACRES
Acres 4
Deed Information 290/324

[View Map](#)
For more information regarding the Flood Zone in Taylor County (CLICK HERE)



P

Owner Information

Current Owner
GILPIN LESLIE DEAN & PEGGY SUE
264 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			4.00	2 LANE	GRAVEL	TYPICAL	FAIR	\$15,500

Mobile Home Information

Manufacturer	Model	Year Built	Exterior	Sqft	Width (ft)	Length (ft)	Pool	Value
FLEETWOOD		980	SOLID MASONRY	1,216	16	76	NO	48000

Certified Value Information

	2025	2024	2023
Homestead	N	N	N
RES	\$37,000	\$37,000	\$37,000
PREV_ASST	\$10,500	\$10,500	\$10,500

Working Value Information

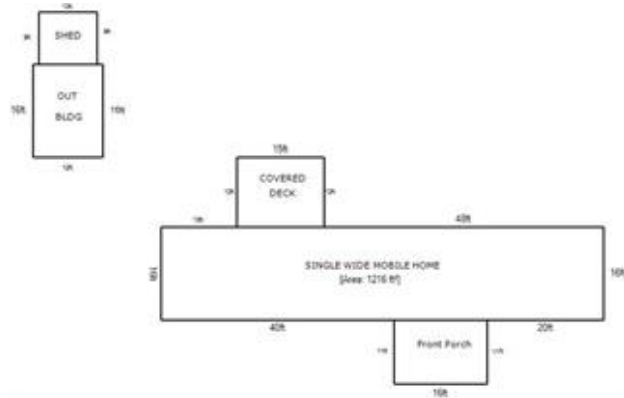
Values subject to change until certified

	2026
Homestead	N
RES	\$66,000
PREV_ASST	\$37,000

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
12/04/2003	\$10,500	290	324	HERRON DEWEY EST	Arms Length Transaction

Photos



Recent Sales In Area

Sale date range:

From:

06/17/21

To:

06/17/21

Search Sales by Neighborhood

Search Sales by Subdivision

Distance:

1500

Units:

Feet



Search Sales by Distance

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

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Contact Us

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Taylor County, KY PVA

Parcel Summary

Map Number 65-024
Account Number 181385 (PID: 438128 PTID: 181385)
Location Address 282 WOOLEYVILLE RD
Tax District 01 County and County School
Homestead No
2025 Tax Rate 0.9685
Property Class RESIDENTIAL
Description HOUSE & 0.30 ACRE LOT
Acres 0.3
Deed Information 164/574

[View Map](#)
For more information regarding the Flood Zone in Taylor County (CLICK HERE)



P

Owner Information

Current Owner
MALONE TERRESA
C/O TIFFANY R MILBY
211 VINEYARD RD
ELIZABETHTOWN KY 42701

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
			0.30	SECONDARY	GRAVEL	TYPICAL	AVERAGE	\$5,000

Residential Improvement Information

Building	1	Heat	ELECTRIC
Residential Type	SINGLE FAMILY	AC	WALL UNIT
Year Built	0	Total Rooms	0
Foundation	CONCRETE BLOCK	Value	\$72,500
Basement	NONE	Living Sqft	1,351
Exterior	BRICK VENEER	Basement Sqft	0
Bedrooms	3	Garage Sqft	0
Full Bath	1	Porch Sqft	70
Half Bath	0	Patio/Deck Sqft	180
Roof Cover	COMPOSITION SHINGLES	Basement Finish	
Roof Type	HIP	Structure	1 STORY
Residential Condition	GOOD	Garage	NONE
Fireplaces	1	Pool	

Certified Value Information

	2025	2024	2023
Homestead	RR	RR	RR
RES	\$70,500	\$70,500	\$70,500
PREV_ASST	\$56,000	\$56,000	\$56,000

Working Value Information

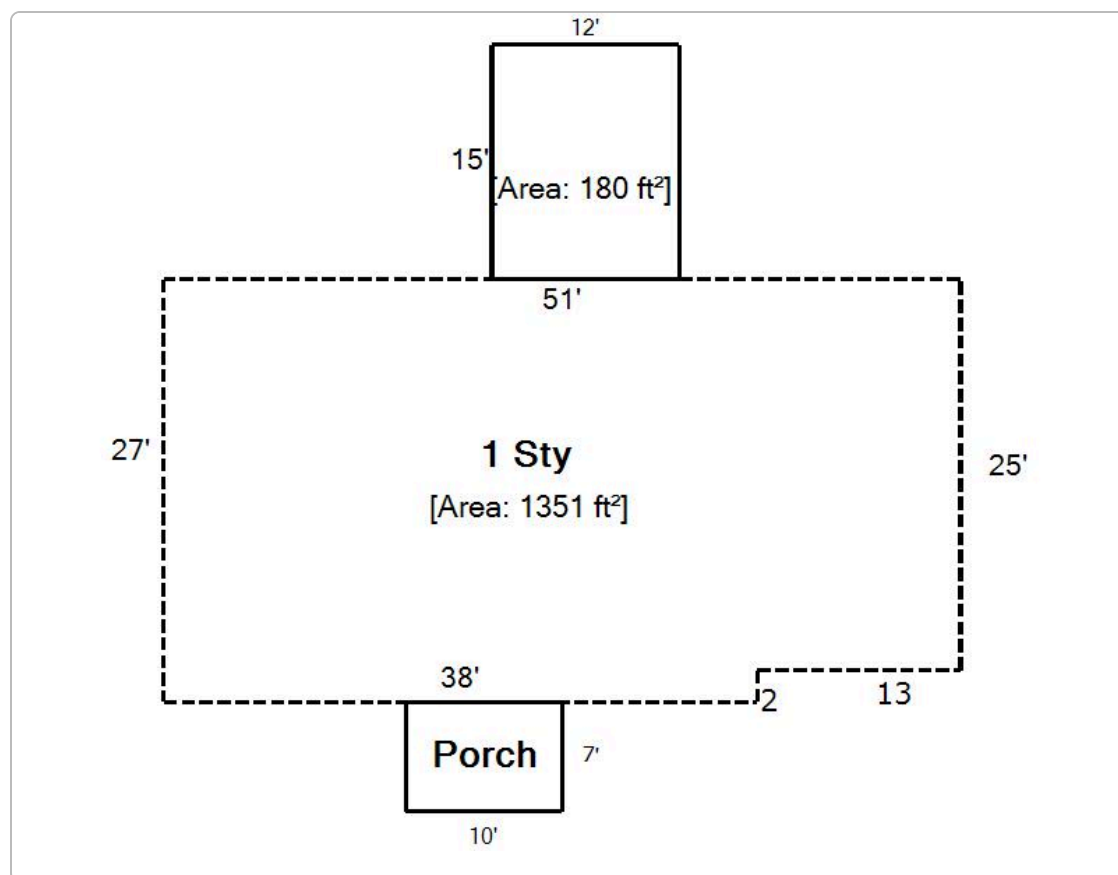
Values subject to change until certified

	2026
Homestead	N
RES	\$78,000
PREV_ASST	\$70,500

Photos



Sketches



Recent Sales In Area

Sale date range:

From:

06/17/20

To:

06/17/20

Search Sales by Neighborhood

Search Sales by Subdivision

Distance:

1500

Units:

Feet



Search Sales by Distance

No data available for the following modules: Commercial Improvement Information, Mobile Home Information, Sales Information.

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Domestic Mail Only

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Certified Mail Fee

\$

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

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

Postage

MALONE TERRESA
C/O TIFFANY R MILBY
211 VINEYARD RD
ELIZABETHTOWN KY 42701

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

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Certified Mail Fee

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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

GILPIN LESLIE DEAN & PEGGY SUE
264 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

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

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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

PERKINS STEVEN SCOTT & BILLI JO
64 BLACK RD
CAMPBELLSVILLE KY 42718

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

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Certified Mail Fee

\$

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

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

Postage

MOSS TRISTA C &
CORBIN THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

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

9589 0710 5270 2595 4514 93

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Domestic Mail Only

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

Certified Mail Fee

\$

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

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

Postage

WARREN MARK & JACOB
810 GIDGET TRAIL
CAMPBELLSVILLE KY 42718

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

9589 0710 5270 2595 4515 09

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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Certified Mail Fee

\$

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

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

Postage

CORBIN DONNA & THOMAS A
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718

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

9589 0710 5270 2595 4514 86

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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Certified Mail Fee

\$

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

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

Postage

LAWLER AARON B & EILEEN E
538 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718



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:

MALONE TERRESA
C/O TIFFANY R MILBY
211 VINEYARD RD
ELIZABETHTOWN KY 42701



9590 9402 7926 2305 8640 17

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 30

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*
☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

GILPIN LESLIE DEAN & PEGGY SUE
264 WOOLEYVILLE RD
CAMPBELLVILLE KY 42718



9590 9402 7926 2305 8640 24

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 47

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*
☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6-26

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

3. Service Type

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

MOSS TRISTA C &
CORBIN THOMAS BLAKE
317 WOOLEYVILLE RD
CAMPBELLVILLE KY 42718



9590 9402 7926 2305 8640 00

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 23

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*
☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6-26

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

3. Service Type

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

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

CORBIN DONNA & THOMAS A
317 WOOLEYVILLE RD
CAMPBELLSVILLE KY 42718



9590 9402 7926 2305 8649 87

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 09

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

- ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6/22/26

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

3. Service Type

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

Domestic Return Receipt

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:

WARREN MARK & JACOB
810 GIDGET TRAIL
CAMPBELLSVILLE KY 42718



9590 9402 7926 2305 8649 70

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4514 93

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

- ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6/22/26

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

3. Service Type

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

Domestic Return Receipt

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.

LAWLER ARON B & EILEEN E
538 WOOLEYVILLE RD
CAMPBELLSVILLE, KY 42718



9590 9402 7926 2305 8649 63

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4514 86

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

- ☐ Agent
☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6/23/26

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

3. Service Type

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

Domestic Return Receipt

ALERT: IMPACTS FROM THE WORLD SOCCER TOURNAMENT HELD IN MAJOR CITIES THROUGHOUT THE U.S. FROM JUNE 11TH THROUGH JULY 19TH, 2026 MAY DELAY FINAL DELIVERY OF YOUR MAIL AND PACKAGES. [READ MORE](#)

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FAQs >

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Tracking Number:

Remove X

9589071052702595451516

Copy Add to Informed Delivery

Latest Update

Your item was delivered to an individual at the address at 3:04 pm on June 20, 2026 in CAMPBELLSVILLE, KY 42718.

Delivered

Delivered, Left with Individual
CAMPBELLSVILLE, KY 42718
June 20, 2026 3:04 PM

[See All Tracking History](#)

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USPS Tracking Plus®

[What Do USPS Tracking Statuses Mean?](#)

- Text & Email Updates
- USPS Tracking Plus®
- Product Information

See Less

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs

EXHIBIT K

COPY OF PROPERTY OWNER NOTIFICATION



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Notice of Proposed Construction of Wireless Communications Facility

Dear Landowner:

APC Towers IV, LLC and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 417 Wooleyville Road, Campbellsville, KY 42718 (37° 21' 09.59" North latitude, 85° 14' 58.71" West longitude). The proposed facility will include a 245-foot-tall tower with a 5-foot-tall lightning arrestor attached at the top for a total height of 250 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 2026-00166 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us toll free at (800) 516-4293 if you have any comments or questions about this proposal. The Applicants' site name is CK Acton.

Sincerely,
Robert W. Grant
Attorney for Applicant

enclosures



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



EXHIBIT L

**COPY OF COUNTY JUDGE/EXECUTIVE NOTICE &
PROOF OF NOTICE**



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Barry Smith
County Judge Executive
203 North Court Street, Suite 4
Campbellsville, KY 42718

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2026-00166

Dear Judge/Executive:

APC Towers IV, LLC and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 417 Wooleyville Road, Campbellsville, KY 42718 (37° 21' 09.59" North latitude, 85° 14' 58.71" West longitude). The proposed facility will include a 245-foot-tall tower with a 5-foot-tall lightning arrestor attached at the top for a total height of 250 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 2026-00166 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us at (800) 516-4293 with any comments or questions you may have. The Applicants' site name is CK Acton.

Sincerely,
Robert W. Grant
Attorney for Applicants

Enclosures



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



9589 0710 5270 2595 4515 54

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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 \$

Postmark
Here

JUN 17 2026

Postage

Barry Smith
 County Judge Executive
 203 North Court Street, Suite 4
 Campbellsville, KY 42718

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Barry Smith
 County Judge Executive
 203 North Court Street, Suite 4
 Campbellsville, KY 42718



9590 9402 7926 2305 8640 31

2. Article Number (Transfer from service label)

9589 0710 5270 2595 4515 54

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x *Gulindars*

- ☒ Agent
☐ Addressee

B. Received by (Printed Name)

Julie Dennis

C. Date of Delivery

6/22/26

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

3. Service Type

- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®

- ☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

EXHIBIT M

**COPY OF POSTED NOTICES &
NEWSPAPER NOTICE ADVERTISEMENT TEAR SHEET**

SITE NAME: CK Acton
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.

APC Towers IV, LLC and Celco Partnership d/b/a Verizon Wireless, propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00166 in your correspondence.

APC Towers IV, LLC and Celco Partnership d/b/a Verizon Wireless, propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2026-00166 in your correspondence.

0100 ANNOUNCEMENTS

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Inflation is at 40 year highs, interest rates are way up. Credit Cards, Medical Bills, Car Loans. Do you have \$10K or more in debt? Call NATIONAL DEBT RELIEF and find out how to pay off your debt for less than what you owe! FREE quotes. Call 1-844-292-5602

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0100 ANNOUNCEMENTS

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ACA reg. Caninevaccines Hypoallergenic. Shots. Wormed. Health guaranteed. Text or call and leave msg 812-539-1506

Massage and Mini Poodle Puppies. Family dog. From great bloodlines and raised by a family in a beautiful home. Located 10 miles from Dallas, located 10 miles from Evansville IN. In or call 812-299-1600 for photo or to schedule a meeting with these puppies. \$650

Mauchly: Yorkshire Terrier \$300, Shih Tzu \$400 and up. Toy Poodles \$300, Chihuahuas \$200. Please Call (812)732-4645

No leaving our FREE shoe package and \$1600 Off for limited time! Financing available. Call Safe Sleep 1-866-302-4539

Shugging with a doctor? You can now get \$15,000 in debt help you be debt free in as little as 24-48 months. Pay nothing until you're done. Call Now: 1-877-857-0258

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0400 FARM

FARM FRESH PRODUCE

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AVAILABLE SOON TOMATOES.

NO SUNDAY SALES.

Harvey Miller 1076 Upton Road Upton, KY 42784

0500 MERCHANTS

2021 Alpha Walls 34 1/2" (Travel Trailer)

EXHIBIT N

COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

CK ACTON
SEARCH AREA

Acton

Liberty Rd

1798

37.3422991, -85.2487991

RADIUS:
0.75 MILES

5883 ft

