

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

In the Matter of:

| | | |
|---|---|----------------------|
| THE APPLICATION OF |) | |
| NEW CINGULAR WIRELESS PCS, LLC, |) | |
| A DELAWARE LIMITED LIABILITY COMPANY, |) | |
| D/B/A AT&T MOBILITY |) | |
| AND UNITI TOWERS LLC, A DELAWARE |) | |
| LIMITED LIABILITY COMPANY |) | |
| FOR ISSUANCE OF A CERTIFICATE OF PUBLIC |) | CASE NO.: 2020-00404 |
| CONVENIENCE AND NECESSITY TO CONSTRUCT |) | |
| A WIRELESS COMMUNICATIONS FACILITY |) | |
| IN THE COMMONWEALTH OF KENTUCKY |) | |
| IN THE COUNTY OF WAYNE |) | |

SITE NAME: STEUBENVILLE RELO

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

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

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

information:

1. The complete names and addresses of the Applicants are: New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility, having an address of Meidinger Tower, 462 S. 4th Street, Suite 2400, Louisville, Kentucky 40202 and Uniti Towers LLC, a Delaware limited liability company having an address of 10802 Executive Center Drive, Benton Building, Suite 300, Little Rock, Arkansas 72211.

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. AT&T Mobility is a limited liability company organized in the State of Delaware on October 20, 1994. Uniti Towers is a limited liability company organized in the State of Delaware on December 2, 2015.

4. Applicants attest that they are in good standing in the state in which they are organized and further state that they are authorized to transact business in Kentucky.

5. The Certificates of Authority filed with the Kentucky Secretary of State for both Applicants are attached as part of **Exhibit A** pursuant to 807 KAR 5:001: Section 14(3).

6. AT&T Mobility operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. Copies of AT&T Mobility's FCC 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.

7. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve AT&T Mobility's services to an area currently not served or not adequately served by AT&T Mobility 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 AT&T Mobility's communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in AT&T Mobility's network design that must be in place to provide adequate coverage to the service area.

8. To address the above-described service needs, Applicants propose to construct a WCF at 152 Arlie Piercy Road, Monticello, KY 42633 (36° 53' 51.27" North latitude, 84° 47' 05.92" 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 Anthony Reynolds pursuant to a deed recorded at Deed Book 303, Page 526 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 265-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of AT&T Mobility's radio electronics equipment and appurtenant equipment. The Applicants' 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**.

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

10. 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 AT&T Mobility's antennas has also been included as part of **Exhibit B**.

11. 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**.

12. 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 AT&T Mobility's antennas on an existing structure. When suitable towers or structures exist, AT&T Mobility attempts to co-locate on existing structures such as communications towers or other structures capable of supporting AT&T Mobility's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

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

14. A copy of the application to the Kentucky Airport Zoning Commission

("KAZC") for the proposed construction is attached as **Exhibit F**.

15. 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.

16. 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.

17. Uniti Towers LLC, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreements or abbreviated agreements recorded with the County Clerk are attached as **Exhibit I**.

18. 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.

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

20. 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.

21. **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**.

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

23. 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**.

24. 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 copy of the newspaper legal notice advertisement is attached as part of **Exhibit M**.

25. The general area where the proposed facility is to be located is rural and heavily wooded.

26. The process that was used by AT&T Mobility's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. AT&T Mobility's radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by AT&T Mobility. 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**.

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

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

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

David A. Pike
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

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,

A handwritten signature in blue ink that reads "David A. Pike". The signature is written in a cursive style and is positioned above a horizontal line.

David A. Pike
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
Attorney for Applicants

LIST OF EXHIBITS

- A - Certificate of Authority & FCC License Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
- D - Competing Utilities, Corporations, or Persons List
- E - FAA
- F - Kentucky Airport Zoning Commission
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice
- M - Copy of Posted Notices and Newspaper Notice Advertisement
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A
CERTIFICATE OF AUTHORITY & FCC LICENSE
DOCUMENTATION

Commonwealth of Kentucky
Alison Lundergan Grimes, Secretary of State

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

Certificate of Authorization

Authentication number: 216299
Visit <https://app.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Alison Lundergan Grimes, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,


NEW CINGULAR WIRELESS PCS, LLC

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

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 28th day of May, 2019, in the 227th year of the Commonwealth.




Alison Lundergan Grimes
Secretary of State
Commonwealth of Kentucky
216299/0481848



COMMONWEALTH OF KENTUCKY
ALISON LUNDERGAN GRIMES, SECRETARY OF STATE

0972004.06 mstratton
ADD
Alison Lundergan Grimes
Kentucky Secretary of State
Received and Filed:
1/3/2017 3:10 PM
Fee Receipt: \$90.00

| | | |
|---|---|-----|
| Division of Business Filings Business Filings PO Box 718 Frankfort, KY 40602 (502) 584-3490 www.sos.ky.gov | Certificate of Authority (Foreign Business Entity) | FBE |
|---|---|-----|

Pursuant to the provisions of KRS 14A and KRS 271B, 273, 274, 275, 362 and 386 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements:

1. The entity is a : profit corporation (KRS 271B). nonprofit corporation (KRS 273). professional service corporation (KRS 274).
 business trust (KRS 386). limited liability company (KRS 275). professional limited liability company (KRS 275).
 limited partnership (KRS 362).

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

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

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

5. The date of organization is 12/2/2015 and the period of duration is _____
(If left blank, the period of duration is considered perpetual.)

6. The mailing address of the entity's principal office is
10802 Executive Center Drive, Benton Building, Suite 300 Little Rock AR 72211
Street Address City State Zip Code

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

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

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

| | | | | |
|----------------------------------|---|----------------------------|--------------------|--------------------------|
| <u>Daniel L. Heard</u> Name | <u>10802 Executive Center Drive, Benton Building, Suite 300</u> Street or P.O. Box | <u>Little Rock</u> City | <u>AR</u> State | <u>72211</u> Zip Code |
| <u>Kenneth Gunderman</u> Name | <u>10802 Executive Center Drive, Benton Building, Suite 300</u> Street or P.O. Box | <u>Little Rock</u> City | <u>AR</u> State | <u>72211</u> Zip Code |
| <u>Mark A. Wallace</u> Name | <u>10802 Executive Center Drive, Benton Building, Suite 300</u> Street or P.O. Box | <u>Little Rock</u> City | <u>AR</u> State | <u>72211</u> Zip Code |

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

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

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

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

13. This application will be effective upon filing, unless a delayed effective date and/or time is provided. The effective date or the delayed effective date cannot be prior to the date the application is filed. The date and/or time is _____
(Delayed effective date and/or time)

[Signature] Keith Harvey, VP - Deputy General Counsel 12/30/2016
Signature of Authorized Representative Printed Name & Title Date

I, C T Corporation System, consent to serve as the registered agent on behalf of the business entity.

[Signature] Tristan Emrich Assistant Secretary 12/30/2016
Signature of Registered Agent Printed Name Title Date

(09/15)

Delaware

Page 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "UNITI TOWERS LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE THIRTIETH DAY OF DECEMBER, A.D. 2016.

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



5896640 8300

SR# 20167345793

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

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

Authentication: 203613650

Date: 12-30-16

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: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

| | |
|---------------------------------------|---------------------------|
| Call Sign KNKN666 | File Number |
| Radio Service CL - Cellular | |
| Market Numer CMA447 | Channel Block A |
| Sub-Market Designator 0 | |

FCC Registration Number (FRN): 0003291192

| |
|---|
| Market Name Kentucky 5 - Barren |
|---|

| Grant Date | Effective Date | Expiration Date | Five Yr Build-Out Date | Print Date |
|------------|----------------|-----------------|------------------------|------------|
| 08-30-2011 | 08-31-2018 | 10-01-2021 | | |

Site Information:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 7 | 37-10-00.0 N | 085-18-37.0 W | 282.5 | 291.4 | 1062332 |

Address: 1210 Cane Valley Road (94238)

City: Columbia County: ADAIR 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) | 180.300 | 151.200 | 132.800 | 140.500 | 155.800 | 172.800 | 186.200 | 183.500 |
| Transmitting ERP (watts) | 250.037 | 98.154 | 10.266 | 2.559 | 0.527 | 0.738 | 12.510 | 102.333 |

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) | 180.300 | 151.200 | 132.800 | 140.500 | 155.800 | 172.800 | 186.200 | 183.500 |
| Transmitting ERP (watts) | 1.408 | 30.262 | 153.476 | 217.337 | 49.025 | 5.207 | 1.772 | 0.660 |

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) | 180.300 | 151.200 | 132.800 | 140.500 | 155.800 | 172.800 | 186.200 | 183.500 |
| Transmitting ERP (watts) | 2.948 | 0.454 | 0.942 | 4.366 | 59.310 | 210.546 | 155.347 | 22.706 |

Conditions:

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 8 | 36-43-12.0 N | 084-28-13.0 W | 409.3 | 91.1 | 1042231 |

Address: 100 Manor Circle (94260)

City: Whitley City County: MCCREARY 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) | 123.400 | 147.100 | 135.800 | 109.800 | 103.700 | 143.600 | 127.300 | 165.300 |
| Transmitting ERP (watts) | 244.175 | 220.925 | 36.790 | 4.400 | 1.072 | 1.113 | 3.637 | 56.485 |

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) | 123.400 | 147.100 | 135.800 | 109.800 | 103.700 | 143.600 | 127.300 | 165.300 |
| Transmitting ERP (watts) | 2.526 | 8.109 | 37.053 | 64.172 | 73.466 | 23.019 | 4.143 | 0.935 |

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) | 123.400 | 147.100 | 135.800 | 109.800 | 103.700 | 143.600 | 127.300 | 165.300 |
| Transmitting ERP (watts) | 13.438 | 3.125 | 0.649 | 0.912 | 15.291 | 122.113 | 297.793 | 117.856 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 17 | 36-56-36.9 N | 086-00-52.2 W | 218.8 | 91.1 | 1063506 |

Address: 638 GRAHAM ROAD (87368)

City: GLASGOW County: BARREN 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) | 76.900 | 78.700 | 69.100 | 74.800 | 91.600 | 116.000 | 101.800 | 89.500 |
| Transmitting ERP (watts) | 138.618 | 59.574 | 7.477 | 1.200 | 0.283 | 0.661 | 10.185 | 66.521 |

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) | 76.900 | 78.700 | 69.100 | 74.800 | 91.600 | 116.000 | 101.800 | 89.500 |
| Transmitting ERP (watts) | 2.142 | 19.146 | 94.547 | 124.562 | 33.322 | 3.559 | 0.817 | 0.257 |

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) | 76.900 | 78.700 | 69.100 | 74.800 | 91.600 | 116.000 | 101.800 | 89.500 |
| Transmitting ERP (watts) | 2.434 | 0.360 | 0.244 | 4.119 | 40.205 | 121.384 | 90.927 | 17.264 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 18 | 36-48-31.1 N | 084-50-43.5 W | 466.6 | 61.0 | 1004214 |

Address: 6565 MORRIS HILL ROAD (87856)
City: MONTICELLO County: WAYNE 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) | 216.900 | 160.100 | 180.400 | 174.000 | 158.000 | 164.800 | 204.700 | 214.300 |
| Transmitting ERP (watts) | 159.083 | 70.430 | 5.874 | 0.769 | 0.334 | 0.371 | 9.558 | 76.538 |

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) | 216.900 | 160.100 | 180.400 | 174.000 | 158.000 | 164.800 | 204.700 | 214.300 |
| Transmitting ERP (watts) | 1.547 | 33.128 | 166.094 | 241.154 | 55.397 | 5.855 | 1.952 | 0.731 |

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) | 216.900 | 160.100 | 180.400 | 174.000 | 158.000 | 164.800 | 204.700 | 214.300 |
| Transmitting ERP (watts) | 1.611 | 0.321 | 0.293 | 4.972 | 42.968 | 145.725 | 111.912 | 13.218 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 19 | 36-53-52.1 N | 084-47-02.5 W | 353.6 | 94.2 | 1238700 |

Address: ROUTE 5, BOX 9516 (87058)
City: Monticello County: WAYNE 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) | 153.300 | 160.500 | 119.100 | 104.500 | 62.300 | 124.200 | 155.000 | 148.700 |
| Transmitting ERP (watts) | 151.264 | 65.591 | 5.815 | 0.740 | 0.328 | 0.344 | 9.075 | 72.988 |

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) | 153.300 | 160.500 | 119.100 | 104.500 | 62.300 | 124.200 | 155.000 | 148.700 |
| Transmitting ERP (watts) | 2.029 | 20.018 | 108.704 | 142.806 | 33.266 | 2.825 | 0.395 | 0.478 |

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) | 153.300 | 160.500 | 119.100 | 104.500 | 62.300 | 124.200 | 155.000 | 148.700 |
| Transmitting ERP (watts) | 1.536 | 0.299 | 0.287 | 4.752 | 41.633 | 135.419 | 106.546 | 12.709 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 20 | 37-05-19.7 N | 084-54-47.3 W | 331.6 | 106.4 | 1232264 |

Address: 1101 PINE TOP ROAD (86918)
City: RUSSELL SPRINGS County: RUSSELL 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) | 118.700 | 77.600 | 105.400 | 136.900 | 148.600 | 127.700 | 120.400 | 134.300 |
| Transmitting ERP (watts) | 106.145 | 47.603 | 4.827 | 0.278 | 0.215 | 0.233 | 6.909 | 51.527 |

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) | 118.700 | 77.600 | 105.400 | 136.900 | 148.600 | 127.700 | 120.400 | 134.300 |
| Transmitting ERP (watts) | 2.313 | 23.146 | 119.606 | 157.272 | 35.853 | 3.353 | 0.454 | 0.536 |

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) | 118.700 | 77.600 | 105.400 | 136.900 | 148.600 | 127.700 | 120.400 | 134.300 |
| Transmitting ERP (watts) | 1.748 | 0.347 | 0.313 | 5.295 | 45.951 | 158.160 | 122.299 | 14.137 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 22 | 36-45-21.5 N | 085-03-35.7 W | 353.6 | 78.6 | 1258266 |

Address: RR BOX 200 STATE ROUTE 90 (97275)
City: Albany County: CLINTON 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 | 140.400 | 108.000 | 36.100 | 88.900 | 81.600 | 132.000 | 170.300 |
| Transmitting ERP (watts) | 61.485 | 218.225 | 164.915 | 26.293 | 2.922 | 0.471 | 0.954 | 4.500 |

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) | 159.200 | 140.400 | 108.000 | 36.100 | 88.900 | 81.600 | 132.000 | 170.300 |
| Transmitting ERP (watts) | 1.000 | 4.591 | 60.220 | 229.906 | 159.544 | 23.590 | 2.912 | 0.466 |

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 | 140.400 | 108.000 | 36.100 | 88.900 | 81.600 | 132.000 | 170.300 |
| Transmitting ERP (watts) | 7.041 | 2.307 | 0.511 | 1.072 | 23.419 | 142.307 | 232.641 | 64.969 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 23 | 36-44-36.2 N | 085-08-34.1 W | 350.5 | 78.0 | 1258265 |

Address: 127 North Cross (Route 6 Box 991) (94257)

City: Albany County: CLINTON 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) | 181.800 | 142.800 | 72.800 | 100.300 | 157.000 | 167.400 | 157.200 | 193.400 |
| Transmitting ERP (watts) | 31.597 | 145.107 | 168.768 | 30.884 | 3.418 | 1.072 | 0.669 | 1.670 |

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) | 181.800 | 142.800 | 72.800 | 100.300 | 157.000 | 167.400 | 157.200 | 193.400 |
| Transmitting ERP (watts) | 1.105 | 1.668 | 14.838 | 36.641 | 44.724 | 30.421 | 5.045 | 2.474 |

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) | 181.800 | 142.800 | 72.800 | 100.300 | 157.000 | 167.400 | 157.200 | 193.400 |
| Transmitting ERP (watts) | 40.424 | 4.384 | 1.518 | 0.529 | 1.123 | 24.617 | 125.244 | 176.237 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 26 | 37-18-17.2 N | 085-55-38.3 W | 285.3 | 99.1 | 1200030 |

Address: 824 I CHILDRESS ROAD (37618)

City: Munfordville County: HART 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) | 137.000 | 120.900 | 185.100 | 176.500 | 166.200 | 156.000 | 134.000 | 170.100 |
| Transmitting ERP (watts) | 87.882 | 116.157 | 30.423 | 3.076 | 0.288 | 0.394 | 1.136 | 15.107 |

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) | 137.000 | 120.900 | 185.100 | 176.500 | 166.200 | 156.000 | 134.000 | 170.100 |
| Transmitting ERP (watts) | 0.236 | 4.016 | 34.037 | 111.204 | 87.767 | 11.936 | 0.954 | 0.231 |

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) | 137.000 | 120.900 | 185.100 | 176.500 | 166.200 | 156.000 | 134.000 | 170.100 |
| Transmitting ERP (watts) | 0.893 | 0.228 | 0.217 | 2.143 | 29.130 | 110.300 | 94.526 | 17.072 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 27 | 36-41-54.0 N | 085-41-07.0 W | 286.5 | 90.2 | 1065560 |

Address: 403 MARTIN SUBDIVISION (87881)

City: TOMPKINSVILLE County: MONROE 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 | 75.300 | 146.800 | 80.100 | 75.200 | 103.200 | 86.800 | 75.200 |
| Transmitting ERP (watts) | 271.841 | 109.386 | 7.417 | 0.800 | 0.553 | 0.537 | 18.630 | 138.505 |

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 | 75.300 | 146.800 | 80.100 | 75.200 | 103.200 | 86.800 | 75.200 |
| Transmitting ERP (watts) | 1.721 | 17.109 | 89.000 | 121.386 | 26.164 | 2.348 | 0.328 | 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) | 69.700 | 75.300 | 146.800 | 80.100 | 75.200 | 103.200 | 86.800 | 75.200 |
| Transmitting ERP (watts) | 1.247 | 0.244 | 0.229 | 4.118 | 34.693 | 116.367 | 90.021 | 10.295 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 28 | 37-21-17.2 N | 085-52-24.7 W | 352.0 | 83.8 | 1220496 |

Address: 2830 Frenchman's Knob Road (94236)

City: Bonnieville County: HART 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) | 193.700 | 191.000 | 195.200 | 238.600 | 217.000 | 184.800 | 226.800 | 216.700 |
| Transmitting ERP (watts) | 184.924 | 99.849 | 11.423 | 0.450 | 0.602 | 0.510 | 8.026 | 87.512 |

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) | 193.700 | 191.000 | 195.200 | 238.600 | 217.000 | 184.800 | 226.800 | 216.700 |
| Transmitting ERP (watts) | 2.115 | 37.767 | 246.087 | 328.098 | 100.148 | 5.709 | 0.676 | 0.788 |

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) | 193.700 | 191.000 | 195.200 | 238.600 | 217.000 | 184.800 | 226.800 | 216.700 |
| Transmitting ERP (watts) | 1.310 | 0.350 | 0.339 | 3.061 | 46.385 | 170.557 | 144.024 | 26.849 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 32 | 37-04-19.5 N | 084-59-59.4 W | 317.0 | 78.0 | 1257488 |

Address: 227 Horn Rd (94247)

City: Russell Springs County: RUSSELL 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) | 149.200 | 77.200 | 79.700 | 105.800 | 146.300 | 99.500 | 80.900 | 89.500 |
| Transmitting ERP (watts) | 221.223 | 212.121 | 177.242 | 71.356 | 77.801 | 28.148 | 33.937 | 155.008 |

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) | 149.200 | 77.200 | 79.700 | 105.800 | 146.300 | 99.500 | 80.900 | 89.500 |
| Transmitting ERP (watts) | 18.208 | 41.435 | 173.839 | 236.936 | 272.788 | 110.954 | 36.898 | 14.156 |

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) | 149.200 | 77.200 | 79.700 | 105.800 | 146.300 | 99.500 | 80.900 | 89.500 |
| Transmitting ERP (watts) | 68.660 | 39.848 | 0.532 | 12.732 | 74.296 | 228.506 | 206.369 | 227.920 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 33 | 36-50-28.6 N | 086-02-47.1 W | 225.9 | 60.7 | |

Address: Austin Tracy Rd (115120)

City: Lucas County: BARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|---------|--------|--------|--------|--------|--------|---------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 91.800 | 79.300 | 63.800 | 43.400 | 95.100 | 66.500 | 80.300 | 112.900 |
| Transmitting ERP (watts) | 79.481 | 128.527 | 48.267 | 34.537 | 0.275 | 16.613 | 58.629 | 118.330 |

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|---------|---------|---------|---------|--------|--------|---------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 91.800 | 79.300 | 63.800 | 43.400 | 95.100 | 66.500 | 80.300 | 112.900 |
| Transmitting ERP (watts) | 16.424 | 105.957 | 212.448 | 227.867 | 141.232 | 41.336 | 29.497 | 11.208 |

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|---------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 91.800 | 79.300 | 63.800 | 43.400 | 95.100 | 66.500 | 80.300 | 112.900 |
| Transmitting ERP (watts) | 3.736 | 0.847 | 2.276 | 7.728 | 35.347 | 59.316 | 65.492 | 20.964 |

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|---------|--------|--------|--------|--------|--------|---------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 91.800 | 79.300 | 63.700 | 43.400 | 95.100 | 66.500 | 80.300 | 112.900 |
| Transmitting ERP (watts) | 80.215 | 129.717 | 48.867 | 34.856 | 0.278 | 16.767 | 59.174 | 119.427 |

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|---------|---------|---------|---------|--------|--------|---------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 91.800 | 79.300 | 63.700 | 43.400 | 95.100 | 66.500 | 80.300 | 112.900 |
| Transmitting ERP (watts) | 16.576 | 106.934 | 215.086 | 229.984 | 142.541 | 41.717 | 29.770 | 11.312 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 33 | 36-50-28.6 N | 086-02-47.1 W | 225.9 | 60.7 | |

Address: Austin Tracy Rd (115120)

City: Lucas County: BARREN State: KY Construction Deadline:

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|---------|
| Antenna Height AAT (meters) | 91.800 | 79.300 | 63.700 | 43.400 | 95.100 | 66.500 | 80.300 | 112.900 |
| Transmitting ERP (watts) | 3.770 | 0.854 | 2.304 | 7.800 | 35.674 | 59.863 | 66.098 | 21.158 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 34 | 36-46-44.5 N | 084-56-33.7 W | 396.2 | 78.0 | 1258267 |

Address: 9096 W. Hwy 90 (94262)

City: Monticello County: WAYNE 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) | 194.500 | 173.000 | 138.200 | 103.300 | 102.200 | 140.500 | 166.900 | 201.300 |
| Transmitting ERP (watts) | 147.841 | 143.877 | 130.052 | 39.637 | 24.482 | 1.946 | 8.038 | 54.683 |

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) | 194.500 | 173.000 | 138.200 | 103.300 | 102.200 | 140.500 | 166.900 | 201.300 |
| Transmitting ERP (watts) | 0.742 | 5.202 | 57.406 | 186.618 | 115.460 | 13.939 | 2.131 | 0.396 |

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) | 194.500 | 173.000 | 138.200 | 103.300 | 102.200 | 140.500 | 166.900 | 201.300 |
| Transmitting ERP (watts) | 27.223 | 19.327 | 10.778 | 15.109 | 86.367 | 155.385 | 168.892 | 88.819 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|---------------------------|-------------------------------|------------------------------------|
| 35 | 36-39-45.3 N | 084-26-36.2 W | 428.2 | 79.9 | 1275397 |

Address: 6135 Hwy 1651 (115765)

City: Pine Knot County: MCCREARY 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) | 132.500 | 143.700 | 119.600 | 95.500 | 88.700 | 114.200 | 161.300 | 166.800 |
| Transmitting ERP (watts) | 69.450 | 261.545 | 232.470 | 44.008 | 2.017 | 0.559 | 0.530 | 4.304 |

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) | 132.500 | 143.700 | 119.600 | 95.500 | 88.700 | 114.200 | 161.300 | 166.800 |
| Transmitting ERP (watts) | 0.210 | 0.184 | 2.662 | 25.143 | 50.189 | 30.009 | 3.791 | 0.206 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 35 | 36-39-45.3 N | 084-26-36.2 W | 428.2 | 79.9 | 1275397 |

Address: 6135 Hwy 1651 (115765)

City: Pine Knot County: MCCREARY 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) | 132.500 | 143.700 | 119.600 | 95.500 | 88.700 | 114.200 | 161.300 | 166.800 |
| Transmitting ERP (watts) | 113.680 | 6.615 | 0.792 | 0.868 | 2.269 | 39.368 | 258.605 | 358.864 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 36 | 36-50-27.1 N | 084-28-44.2 W | 425.5 | 79.6 | 1233359 |

Address: 165 HWY 90 (114139)

City: Parkers Lake County: MCCREARY 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) | 185.500 | 163.600 | 170.800 | 152.900 | 106.200 | 178.000 | 165.700 | 183.000 |
| Transmitting ERP (watts) | 23.185 | 14.817 | 1.670 | 0.153 | 0.104 | 0.150 | 1.655 | 13.513 |

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) | 185.500 | 163.600 | 170.800 | 152.900 | 106.200 | 178.000 | 165.700 | 183.000 |
| Transmitting ERP (watts) | 2.683 | 26.605 | 140.903 | 189.301 | 44.170 | 3.813 | 0.542 | 0.629 |

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) | 185.500 | 163.600 | 170.800 | 152.900 | 106.200 | 178.000 | 165.700 | 183.000 |
| Transmitting ERP (watts) | 2.063 | 0.405 | 0.373 | 6.243 | 54.676 | 179.706 | 144.196 | 16.857 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 37 | 36-41-51.7 N | 085-07-19.1 W | 303.9 | 78.0 | 1273817 |

Address: 399 Daylton Road (112920)

City: Albany County: CLINTON 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 | 53.600 | 30.000 | 64.200 | 100.300 | 112.300 | 94.400 | 76.300 |
| Transmitting ERP (watts) | 255.895 | 112.531 | 6.303 | 1.065 | 0.524 | 0.886 | 15.778 | 134.111 |

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 | 53.600 | 30.000 | 64.200 | 100.300 | 112.300 | 94.400 | 76.300 |
| Transmitting ERP (watts) | 1.151 | 13.278 | 68.092 | 80.326 | 20.259 | 1.984 | 0.205 | 0.284 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 37 | 36-41-51.7 N | 085-07-19.1 W | 303.9 | 78.0 | 1273817 |

Address: 399 Daylton Road (112920)

City: Albany County: CLINTON 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) | 103.500 | 53.600 | 30.000 | 64.200 | 100.300 | 112.300 | 94.400 | 76.300 |
| Transmitting ERP (watts) | 0.327 | 0.106 | 0.101 | 1.174 | 12.741 | 41.443 | 34.130 | 5.644 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 38 | 36-44-13.0 N | 085-42-10.0 W | 309.7 | 91.1 | 1042225 |

Address: 3151 EDMONTON ROAD (94259)

City: TOMPKINSVILLE County: MONROE 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) | 111.100 | 109.700 | 147.100 | 108.800 | 126.000 | 145.900 | 125.000 | 125.900 |
| Transmitting ERP (watts) | 189.524 | 72.806 | 7.444 | 1.950 | 0.393 | 0.557 | 9.583 | 77.626 |

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) | 111.100 | 109.700 | 147.100 | 108.800 | 126.000 | 145.900 | 125.000 | 125.900 |
| Transmitting ERP (watts) | 1.067 | 23.007 | 114.837 | 166.790 | 36.523 | 3.864 | 1.339 | 0.493 |

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) | 111.100 | 109.700 | 147.100 | 108.800 | 126.000 | 145.900 | 125.000 | 125.900 |
| Transmitting ERP (watts) | 2.199 | 0.335 | 0.702 | 3.359 | 45.136 | 159.373 | 117.688 | 16.866 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 39 | 36-38-51.6 N | 085-17-33.1 W | 317.0 | 60.7 | |

Address: 5163 State Park (117828)

City: Cumberland County: CUMBERLAND 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) | 100.500 | 86.500 | 93.600 | 115.600 | 123.000 | 167.100 | 133.100 | 121.800 |
| Transmitting ERP (watts) | 24.683 | 224.514 | 184.090 | 16.413 | 0.520 | 0.462 | 0.466 | 0.469 |

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
|-----------------------------|---------|--------|--------|---------|---------|---------|---------|---------|
| Antenna Height AAT (meters) | 100.500 | 86.500 | 93.600 | 115.600 | 123.000 | 167.100 | 133.100 | 121.800 |
| Transmitting ERP (watts) | 46.321 | 0.611 | 0.527 | 0.529 | 0.541 | 7.711 | 140.237 | 265.546 |

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 40 | 37-11-42.5 N | 085-57-13.0 W | 267.6 | 99.1 | 1224165 |

Address: 1515 FISHER RIDGE ROAD (37620)
City: Horse Cave County: HART 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) | 148.700 | 170.000 | 148.400 | 148.400 | 138.900 | 116.100 | 137.500 | 147.400 |
| Transmitting ERP (watts) | 96.574 | 101.465 | 19.855 | 1.861 | 0.214 | 0.322 | 2.056 | 21.126 |

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) | 148.700 | 170.000 | 148.400 | 148.400 | 138.900 | 116.100 | 137.500 | 147.400 |
| Transmitting ERP (watts) | 8.514 | 101.153 | 307.468 | 229.726 | 25.253 | 1.925 | 0.630 | 0.630 |

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) | 148.700 | 170.000 | 148.400 | 148.400 | 138.900 | 116.100 | 137.500 | 147.400 |
| Transmitting ERP (watts) | 0.226 | 0.222 | 3.795 | 33.295 | 109.116 | 83.424 | 11.320 | 0.928 |

| Location | Latitude | Longitude | Ground Elevation (meters) | Structure Hgt to Tip (meters) | Antenna Structure Registration No. |
|----------|--------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| 41 | 37-01-03.9 N | 085-54-42.3 W | 254.8 | 68.6 | 1230168 |

Address: 170 Robert Bishop Lane (94244)
City: Glasgow County: BARREN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|---------|---------|--------|--------|--------|---------|--------|--------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 93.000 | 83.300 | 56.400 | 66.300 | 91.100 | 106.300 | 92.700 | 90.500 |
| Transmitting ERP (watts) | 104.518 | 139.218 | 43.033 | 2.862 | 0.290 | 0.325 | 1.008 | 15.797 |

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|--------|--------|---------|---------|---------|--------|--------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 93.000 | 83.300 | 56.400 | 66.300 | 91.100 | 106.300 | 92.700 | 90.500 |
| Transmitting ERP (watts) | 0.395 | 3.203 | 50.041 | 189.424 | 165.261 | 28.863 | 1.290 | 0.398 |

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

| | | | | | | | | |
|-----------------------------|--------|--------|--------|--------|--------|---------|---------|---------|
| Azimuth(from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| Antenna Height AAT (meters) | 93.000 | 83.300 | 56.400 | 66.300 | 91.100 | 106.300 | 92.700 | 90.500 |
| Transmitting ERP (watts) | 11.785 | 0.490 | 0.619 | 0.543 | 8.652 | 98.226 | 207.121 | 111.304 |

Control Points:

Control Pt. No. 1

Address: 124 South Keeneland Drive (Suite 103)

City: RICHMOND County: MADISON State: KY Telephone Number: (859)544-4804

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN666

File Number:

Print Date:

Waivers/Conditions:

NONE

20180308 10:58:00 AM

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

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

FCC Registration Number (FRN): 0003291192

| | | | |
|---|---|--------------------------------------|---------------------------|
| Grant Date 05-27-2015 | Effective Date 03-12-2020 | Expiration Date 06-23-2025 | Print Date |
| Market Number MTA026 | Channel Block A | Sub-Market Designator 19 | |
| Market Name Louisville-Lexington-Evansville | | | |
| 1st Build-out Date 06-23-2000 | 2nd Build-out Date 06-23-2005 | 3rd Build-out Date | 4th Build-out Date |

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOI255

File Number:

Print Date:

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

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

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOI255

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

WPOI255

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

| | |
|--|----------------------------------|
| Call Sign WPOK659 | File Number 0008716070 |
| Radio Service CW - PCS Broadband | |

FCC Registration Number (FRN): 0003291192

| | | | |
|---|---|--------------------------------------|---------------------------------|
| Grant Date 09-12-2019 | Effective Date 09-12-2019 | Expiration Date 09-29-2029 | Print Date 09-13-2019 |
| 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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOK659

File Number: 0008716070

Print Date: 09-13-2019

700 MHz Relicensed Area Information:

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

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

| | |
|--|--------------------|
| Call Sign WPXT205 | File Number |
| Radio Service CW - PCS Broadband | |

FCC Registration Number (FRN): 0003291192

| | | | |
|---|---|--------------------------------------|---------------------------|
| Grant Date 06-02-2015 | Effective Date 08-31-2018 | Expiration Date 06-23-2025 | Print Date |
| Market Number MTA026 | Channel Block A | Sub-Market Designator 8 | |
| Market Name Louisville-Lexington-Evansville | | | |
| 1st Build-out Date 06-23-2000 | 2nd Build-out Date 06-23-2005 | 3rd Build-out Date | 4th Build-out Date |

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPXT205

File Number:

Print Date:

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPXT205

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

| | |
|---|--------------------|
| Call Sign WQGA818 | File Number |
| Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz) | |

FCC Registration Number (FRN): 0003291192

| | | | |
|---|-------------------------------------|--------------------------------------|---------------------------|
| Grant Date 11-29-2006 | Effective Date 08-31-2018 | Expiration Date 11-29-2021 | Print Date |
| Market Number CMA447 | Channel Block A | Sub-Market Designator 0 | |
| Market Name Kentucky 5 - Barren | | | |
| 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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGA818

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

FOR COMMENT

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

| | |
|---|--------------------|
| Call Sign WQGD755 | File Number |
| Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz) | |

FCC Registration Number (FRN): 0003291192

| | | | |
|--|-------------------------------------|--------------------------------------|---------------------------|
| Grant Date 12-18-2006 | Effective Date 08-31-2018 | Expiration Date 12-18-2021 | Print Date |
| Market Number BEA047 | Channel Block C | Sub-Market Designator 9 | |
| 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: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGD755

File Number:

Print Date:

700 MHz Relicensed Area Information:

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

EXHIBIT B

SITE DEVELOPMENT PLAN:

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

FA NUMBER: 15145553 / SITE ID: KYLEX2036

PACE #: MRTNK047953

PROJECT TRACKING #: 10115675

SITE NAME: STEUBENVILLE

152 ARLIE PIERCY ROAD
MONTICELLO, KY 42633
WAYNE COUNTY

PROPOSED 255' SELF-SUPPORT TOWER

ZONING DRAWINGS



A/E DOCUMENT REVIEW STATUS

| TITLE | SIGNATURE | DATE |
|------------------------------|-----------|------|
| UNITI TOWERS PROP: | | |
| UNITI TOWERS CONST. MGR.: | | |
| INTERCONNECT: | | |
| UNITI TOWERS SITE DEV. MGR.: | | |
| PROPERTY OWNER: | | |

| STATUS CODE: | |
|--------------|---|
| 1 | ACCEPTED: WITH OR NO COMMENTS, CONSTRUCTION MAY PROCEED |
| 2 | NOT ACCEPTED: RESOLVE COMMENTS AND RESUBMIT |

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

PROJECT SUMMARY

SITE NAME: STEUBENVILLE
 SITE NUMBER: FA 15145553
 TAX MAP PROPERTY ID: 078-00-00-013.00
 SITE ADDRESS: 152 ARLIE PIERCY ROAD
 MONTICELLO, KY 42633

 JURISDICTION: WAYNE COUNTY

 TOWER OWNER: UNITI TOWERS
 10802 EXECUTIVE CENTER DRIVE
 LITTLE ROCK, AR 72211

NAD83
 LATITUDE: 36.897575° N
 LONGITUDE: 84.784978° W

 APPLICANT: NEW CINGULAR WIRELESS, PCS, LLC, A DELAWARE LIMITED LIABILITY COMPANY
 d/b/a AT&T MOBILITY
 MEIDINGER TOWER
 462 S/ 4th STREET, SUITE 2400
 LOUISVILLE, KY 40202

 CO-APPLICANT: N/A
 OCCUPANCY TYPE: UNMANNED
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

LOCATION MAP



DRAWING INDEX

| SHEET # | SHEET DESCRIPTION |
|---------|----------------------------------|
| T-1 | TITLE SHEET |
| 1-2 | SURVEY |
| C-1 | 500' RADIUS & ADJOINER'S DRAWING |
| C-2 | OVERALL SITE LAYOUT |
| C-3 | ENLARGED COMPOUND LAYOUT |
| C-4 | TOWER ELEVATION |

UNITI TOWERS
STEUBENVILLE
 FA# 15145553
 PACE# MRTNK047953
 PT# 10115675
 152 ARLIE PIERCY ROAD
 MONTICELLO, KY 42633
 WAYNE COUNTY
 PROPOSED 255' SELF-SUPPORT TOWER

PROJECT NO: G0137328.00

CHECKED BY: DLS

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION |
|-----|----------|------|---------------|
| A | 08/14/20 | MAS | CLIENT REVIEW |
| 0 | 08/20/20 | MAS | FINAL |

B&T ENGINEERING, INC.
 E-1403
 Expires 12/31/20



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

TITLE SHEET

SHEET NUMBER:
T-1

DESIGN INFORMATION

A&E FIRM: B+T GROUP
 1717 S. BOULDER,
 SUITE 300
 TULSA, OK 74119
 MIKE A. SPEEDIE, PE
 (918) 587-4630

 SURVEYOR: POINT TO POINT
 100 GOVERNORS TRACE, STE #103
 PEACHTREE CITY, GA 30269
 PH. (678) 565-4440

 TELCO PROVIDER: -
 ELECTRIC PROVIDER: SOUTH KENTUCKY RECC
 PROVIDER: 606-678-4121

DRIVING DIRECTIONS

DEPART WAYNE COUNTY [55 N MAIN ST, MONTICELLO, KY 42633] ON KY-90 BRANCH [KY-92] (SOUTH) 98 YDS.
 TURN RIGHT (WEST) ONTO KY-92 [E HIGHWAY 92] 1.4 MI
 TURN RIGHT (NORTH-EAST) ONTO KY-90 [E HIGHWAY 90] 5.9 MI
 TURN RIGHT (SOUTH-EAST) ONTO OLD KY LOOP NO 4 RD [OLD HWY 90], THEN IMMEDIATELY TURN LEFT (EAST) ONTO
 PIERCY RD [ARLIE PIERLY RD] 0.2 MI
 ARRIVE AT 152 ARLIE PIERLY RD, MONTICELLO, KY 42633

CODE COMPLIANCE

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

| CODE TYPE | CODE |
|-------------------|----------|
| BUILDING/DWELLING | IBC 2015 |
| STRUCTURAL | IBC 2015 |
| MECHANICAL | IMC 2015 |
| ELECTRICAL | NEC 2017 |

PROJECT DESCRIPTION

THE ZONING DRAWINGS INCLUDE:
 • CONSTRUCT (1) NEW 255' SELF-SUPPORT TOWER
 • CONSTRUCT FENCED GRAVEL UTILITY COMPOUND WITH LOCKING ACCESS GATE, 80' x 80' WITHIN 100' x 100' LEASE AREA.
 • INSTALL (1) H-FRAME W/ UTILITY EQUIPMENT.
 • INSTALL NEW POWER & TELCO UTILITY SERVICES.
 • CONSTRUCT 12' WIDE GRAVEL ACCESS ROAD

DO NOT SCALE DRAWINGS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17.
 CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



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



SURVEYOR NOTE

* AREA CONTAINING MAJORITY OF LEASE AREA & 30' INGRESS-EGRESS & UTILITY EASEMENT LOCATED ON SOLID ROCK FORMATION



VICINITY MAP

NOT TO SCALE

GENERAL NOTES

* THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASED PREMISES AND EASEMENTS ONLY. THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF UNITI TOWERS, LLC AND EXCLUSIVELY FOR THE TRANSFERRAL OF THE PROPOSED LEASED PREMISES AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE FEE SIMPLE TRANSFERRAL OF THE PARENT PARCEL NOR ANY PORTION OR PORTIONS THEREOF. BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM TAX MAPS AND DEED DESCRIPTIONS ONLY. NO BOUNDARY SURVEY OF THE PARENT PARCEL WAS PERFORMED.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

THE FIELD DATA UPON WHICH THIS SPECIFIC PURPOSE SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 10,000+ FEET AND AN ANGULAR ERROR OF 5.0" PER ANGLE POINT AND WAS NOT ADJUSTED FOR CLOSURE.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TPS 1200 ROBOTIC & GEOMAX ZENITH 35. (DATE OF LAST FIELD VISIT: 1/29/2020)

THE 1' CONTOURS AND SPOT ELEVATIONS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE ADJUSTED TO NAVD 88 DATUM (COMPUTED USING GEOID18) AND HAVE A VERTICAL ACCURACY OF ± 0.5'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH (NAD 83) KENTUCKY ZONE.

PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X (AREA OF MINIMAL FLOOD HAZARD). COMMUNITY PANEL NO.: 21231C0070C DATED: 09/02/2009

NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC PURPOSE SURVEY.

ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS.

ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT ANY UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY UNDERGROUND UTILITIES.

GPS NOTES

THE FOLLOWING GPS STATISTICS UPON WHICH THIS SURVEY IS BASED HAVE BEEN PRODUCED AT THE 95% CONFIDENCE LEVEL:

POSITIONAL ACCURACY: 0.01 FEET (HORZ) 0.02 FEET (VERT)
 TYPE OF EQUIPMENT: GEOMAX ZENITH35 PRO BASE AND ROVER, DUAL FREQUENCY
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATES OF SURVEY: 1/13/2020
 DATUM / EPOCH: NAD_83(2011)EPOCH:2010.00000
 PUBLISHED / FIXED CONTROL USE: N/A
 GEOID MODEL: 18
 COMBINED GRID FACTOR(S): 1.00000145 CENTERED ON THE GPS BASE POINT AS SHOWN HEREON.
 CONVERGENCE ANGLE: "35'31.17"

SURVEY NOT VALID WITHOUT SHEET 2 OF 2.

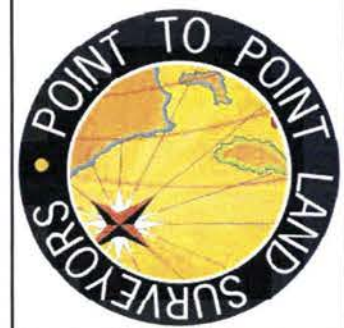


Know what's below. Call before you dig.

STATE of KENTUCKY
 G. DARRELL TAYLOR
 4179
 LICENSED PROFESSIONAL LAND SURVEYOR

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |

* SPECIFIC PURPOSE SURVEY PREPARED BY:
POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



STUEBENVILLE

SITE NO. KYLEX2036

WAYNE COUNTY, KENTUCKY

DRAWN BY: BDM

CHECKED BY: JKL

APPROVED: D. MILLER

DATE: FEBRUARY 04, 2020

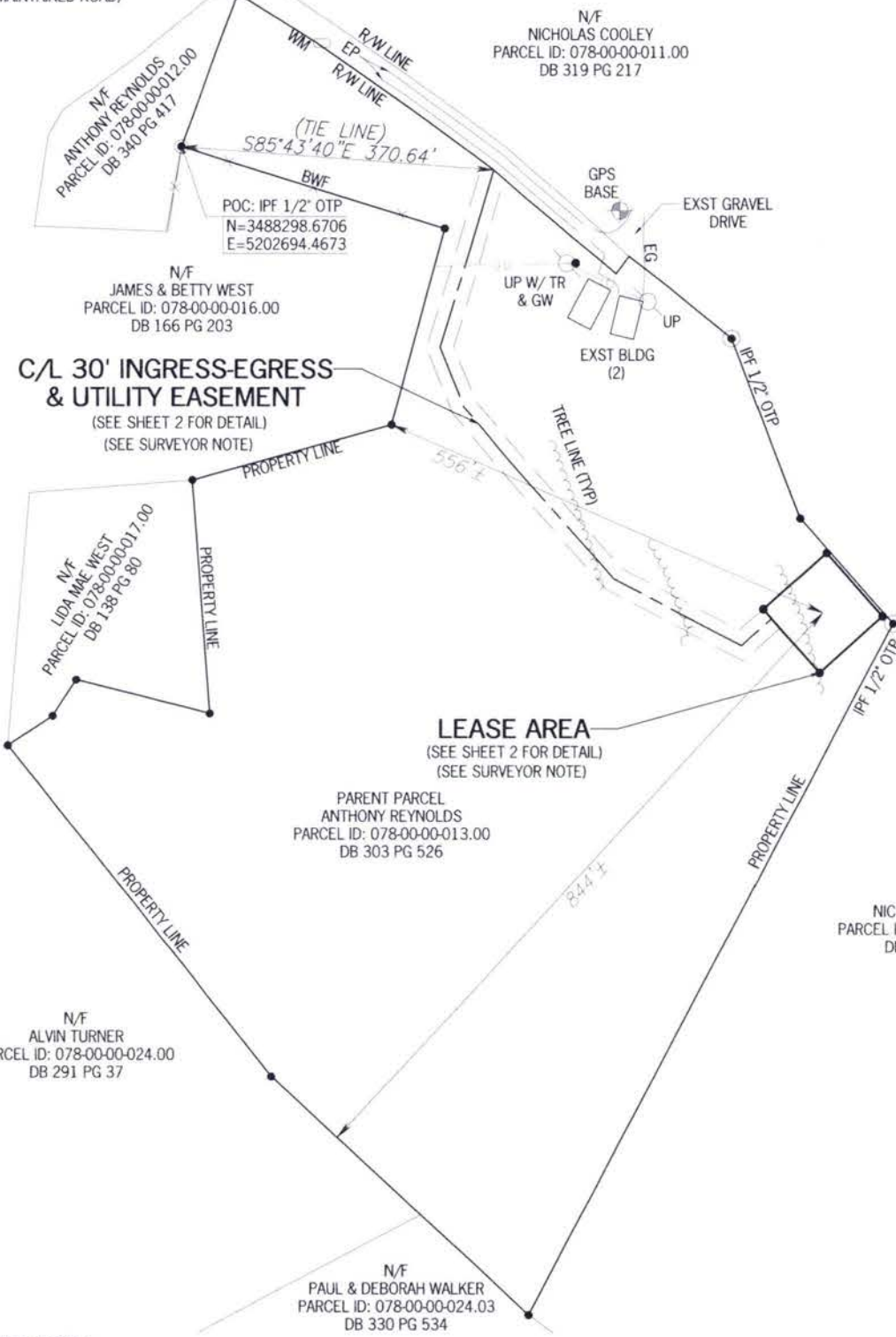
P2P JOB #: 200034KY

SHEET:

1

OF 2

CO. ROAD 1570
 (A.K.A ARLIE PIERCY ROAD)
 (COUNTY MAINTAINED ROAD)



PARENT PARCEL

OWNER: ANTHONY REYNOLDS
 SITE ADDRESS: 150 ARLIE PIERCY ROAD, MONTICELLO, KY 42633
 PARCEL ID: 078-00-00-013.00
 AREA: 17.38 ACRES (PER TAX ASSESSOR)
 ZONED: NO ZONING IN UNINCORPORATED WAYNE COUNTY
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: DEED BOOK 303 PAGE 526

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ISSUE DATE OF JANUARY 16, 2020, BEING REPORT OF TITLE NO. 30677457, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

2. EASEMENT RESERVED IN DEED SET FORTH IN INSTRUMENT RECORDED ON DECEMBER 2, 1991 IN DEED BOOK 10, PAGE 488. (THIS ITEM MAY AFFECT THE PARENT PARCEL BUT ITS DESCRIPTION IS TOO VAGUE TO BE PLOTTED)

3. EASEMENT GRANT FOR WATER LINE IN FAVOR OF CITY OF MONTICELLO, KENTUCKY, ITS SUCCESSORS AND ASSIGNS SET FORTH IN INSTRUMENT RECORDED ON DECEMBER 11, 1986 IN DEED BOOK 198, PAGE 92. (THIS ITEM MAY AFFECT THE PARENT PARCEL BUT ITS DESCRIPTION IS TOO VAGUE TO BE PLOTTED)

4. MORTGAGE FROM ANTHONY REYNOLDS, GRANTOR(S), IN FAVOR OF MORTGAGE ELECTRONIC REGISTRATION SYSTEMS, INC., ACTING SOLELY AS A NOMINEE FOR DITECH FINANCIAL LLC, DATED MAY 1, 2019, AND RECORDED N/A IN DEED BOOK 423, PAGE 268, IN THE ORIGINAL AMOUNT OF \$112,500.00 (THIS ITEM DESCRIBED THE PARENT PARCEL)

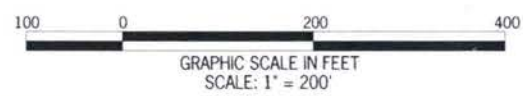
LEGEND

- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- IPS IRON PIN SET
- IPF IRON PIN FOUND
- CMF CONCRETE MONUMENT FOUND
- UP UTILITY POLE
- LP LIGHT POLE
- EXST EXISTING
- BLDG BUILDING
- OTF OPEN TOP PIPE
- INV INVERT
- TYP TYPICAL
- EP EDGE OF PAVEMENT
- EG EDGE OF GRAVEL
- BC BACK OF CURB
- BWF BARS WIRE FENCE
- R/W RIGHT-OF-WAY
- OJ OVERHEAD UTILITY
- UE UNDERGROUND UTILITY
- CMP CORRUGATED METAL PIPE
- YMB TEMPORARY BENCHMARK
- PVC POLYVINYL CHLORIDE PIPE
- GW GUY WIRE ANCHOR
- TR TRANSFORMER
- JB JUNCTION BOX
- SWCB SINGLE WING CATCH BASIN
- DWCB DOUBLE WING CATCH BASIN
- CLF CHAIN LINK FENCE
- WV WATER VALVE
- WM WATER METER
- CS SEWER CLEAN-OUT
- GV GAS VALVE
- N/F NOW OR FORMERLY
- IB ICE BRIDGE
- IBP ICE BRIDGE POLE

SURVEYOR'S CERTIFICATE

I, G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN URBAN SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 201 KAR 18.150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

G. DARRELL TAYLOR, PLS 4179
 02/04/2020
 DATE



LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN WAYNE COUNTY, KENTUCKY AND BEING PART OF THE LANDS OF ANTHONY REYNOLDS AS RECORDED IN DEED BOOK 303, PAGE 526, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH OPEN TYPE PIPE FOUND MARKING A COMMON PARCEL LINE OF SAID REYNOLDS LANDS, SAID PIPE HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3488298.6706 E: 5202694.4673; THENCE, LEAVING SAID PARCEL LINE AND RUNNING ALONG A TIE LINE, SOUTH 85°43'40" EAST, 370.64 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF COUNTY ROAD 1570 (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER WAYNE COUNTY TRANSPORTATION DEPARTMENT); THENCE, LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, SOUTH 16°33'55" WEST, 217.98 FEET TO A POINT; THENCE, SOUTH 21°34'45" EAST, 75.44 FEET TO A POINT; THENCE, SOUTH 40°16'55" EAST, 77.71 FEET TO A POINT; THENCE, SOUTH 41°45'37" EAST, 191.76 FEET TO A POINT; THENCE, SOUTH 62°29'26" EAST, 170.19 FEET TO A POINT; THENCE, NORTH 48°22'28" EAST, 47.48 TO A POINT ON THE LEASE AREA, SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3487742.5758 E: 5203394.0672; THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 41°37'32" WEST, 15.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, NORTH 48°22'28" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 41°37'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 48°22'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 41°37'32" WEST, 100.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARING BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

SAID TRACT CONTAINS 0.2296 ACRES (10,000 SQUARE FEET), MORE OR LESS.

30' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 30-FOOT INGRESS-EGRESS AND UTILITY EASEMENT (LYING 15-FEET EACH SIDE OF CENTERLINE) LYING AND BEING IN WAYNE COUNTY, KENTUCKY AND BEING PART OF THE LANDS OF ANTHONY REYNOLDS AS RECORDED IN DEED BOOK 303, PAGE 526, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH OPEN TYPE PIPE FOUND MARKING A COMMON PARCEL LINE OF SAID REYNOLDS LANDS, SAID PIPE HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3488298.6706 E: 5202694.4673; THENCE, LEAVING SAID PARCEL LINE AND RUNNING ALONG A TIE LINE, SOUTH 85°43'40" EAST, 370.64 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF COUNTY ROAD 1570 (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER WAYNE COUNTY TRANSPORTATION DEPARTMENT), AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, SOUTH 16°33'55" WEST, 217.98 FEET TO A POINT; THENCE, SOUTH 21°34'45" EAST, 75.44 FEET TO A POINT; THENCE, SOUTH 40°16'55" EAST, 77.71 FEET TO A POINT; THENCE, SOUTH 41°45'37" EAST, 191.76 FEET TO A POINT; THENCE, SOUTH 62°29'26" EAST, 170.19 FEET TO A POINT; THENCE, NORTH 48°22'28" EAST, 47.48 ENDING AT A POINT ON THE LEASE AREA, SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3487742.5758 E: 5203394.0672.

BEARING BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

PARENT PARCEL

(PER REPORT OF TITLE NO. 30677457)

PROPERTY LOCATED IN WAYNE COUNTY, KENTUCKY

THE FOLLOWING DESCRIBED REAL ESTATE SITUATED IN WAYNE COUNTY, KENTUCKY, BEING DESCRIBED AS FOLLOWS, TO WIT:

TRACT ONE:

BEGINNING ON AN IRON PIN IN THE DODSON HEIRS LINE AND RUNNING S 52 DEG. 36' 45" E 260.74' TO AN IRON PIN, THENCE, S 50 DEG. 02' 00" E 102.92' TO AN IRON PIN, THENCE, S 21 DEG. 18' 02" E 228.21' TO AN OAK, THENCE, S 40 DEG. 50' 55" E 164.01' TO AN IRON PIN AND CEDAR, THENCE, S 29 DEG. 02' 42" W 923.00' TO A CEDAR, THENCE, N 36 DEG. 31' 43" W 512.20' TO A CEDAR, THENCE, N 38 DEG. 26' 13" W 499.68' TO A HICKORY, THENCE, N 57 DEG. 0' 10" E 63.60' TO A CEDAR, THENCE, N 33 DEG. 31' 17" E 50.85' TO A POST, THENCE, S 75 DEG. 42' 34" E 163.47' TO A CEDAR, THENCE, S 75 DEG. 42' 34" E 163.47' TO A CEDAR, THENCE, N 04 DEG. 17' 16" W 276.05' TO A STEEL POST, THENCE, N 74 DEG. 49' 19" E 245.47' TO A CEDAR, THENCE, N 15 DEG. 15' 08" E 239.56' TO A CEDAR, THENCE, N 29 DEG. 56' 06" E 108.43' TO THE BEGINNING, CONTAINING 16.08 ACRES AS SURVEYED BY WAYNE ENG. ASSOC., INC.

THERE IS RESERVED FROM THE ABOVE DESCRIBED TRACT A 16' WIDE RIGHT OF WAY AS SHOWN IN TRACT NO. 3 OF DEED RECORDED IN COMMISSIONERS DEED BOOK 10, PAGE 488 IN THE WAYNE COUNTY CLERK'S OFFICE.

TRACT TWO:

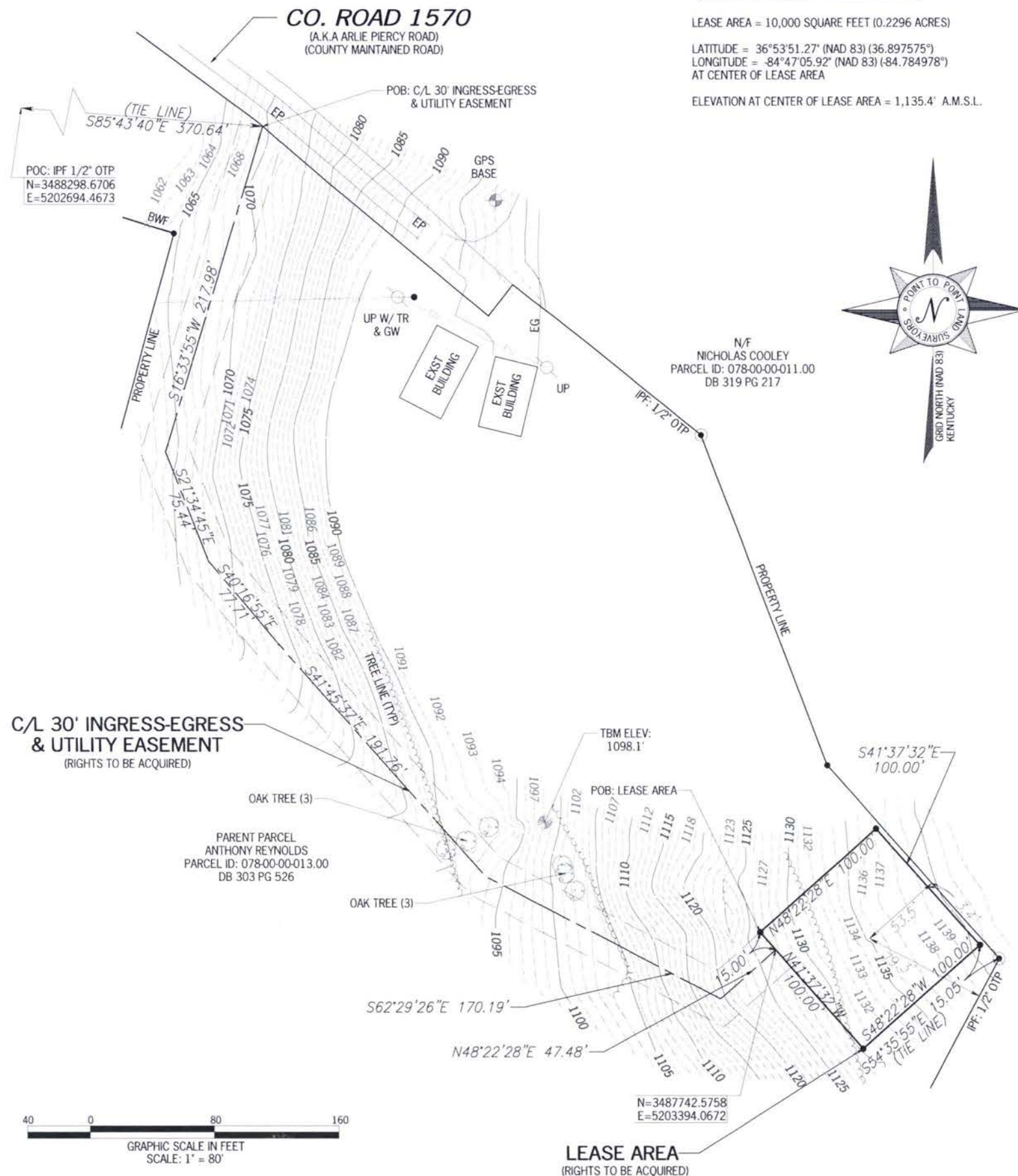
BEGINNING AT AN IRON PIN AT THE RIGHT-OF-WAY OF KY. 90 AND RUNNING WITH THE DODSON HEIRS LINE S 52° 36' 45" E 358.60' TO AN IRON PIN, THENCE, S 29° 56' 06" W 108.43' TO AN IRON PIN, THENCE, N 72° 42' 06" W 326.32' TO AN IRON PIN, THENCE, N20° 36' 47" E 229.36' TO THE BEGINNING, CONTAINING 1.30 ACRES AS SURVEYED BY JAMES A. WEST, WAYNE ENG. ASSOC., INC., LS#2088 ON MARCH 10, 1992.

AND BEING THE SAME PROPERTY CONVEYED TO ANTHONY REYNOLDS FROM ARLIE PIERCY AND SHARON PIERCY BY DEED OF CONVEYANCE DATED APRIL 23, 2004 AND RECORDED APRIL 28, 2004 IN DEED BOOK 303, PAGE 526.

TAX PARCEL NO. 078-00-00-013.00

LEGEND

- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- IPS IRON PIN SET
- IPF IRON PIN FOUND
- CMF CONCRETE MONUMENT FOUND
- UP UTILITY POLE
- LP LIGHT POLE
- EXST EXISTING
- BLDG BUILDING
- OTP OPEN TOP PIPE
- INV INVERT
- TYP TYPICAL
- EP EDGE OF PAVEMENT
- EG EDGE OF GRAVEL
- BC BACK OF CURB
- BWF BARB WIRE FENCE
- R/W RIGHT-OF-WAY
- OU OVERHEAD UTILITY
- UE UNDERGROUND UTILITY
- CMF CORRUGATED METAL PIPE
- YMB TEMPORARY BENCHMARK
- PVC POLYVINYL CHLORIDE PIPE
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- WM WATER METER
- CO SEWER CLEAN-OUT
- GV GAS VALVE
- N/F NOW OR FORMERLY
- IB ICE BRIDGE
- IBP ICE BRIDGE POLE



SITE INFORMATION

LEASE AREA = 10,000 SQUARE FEET (0.2296 ACRES)

LATITUDE = 36°53'51.27" (NAD 83) (36.897575°)
LONGITUDE = -84°47'05.92" (NAD 83) (-84.784978°)
AT CENTER OF LEASE AREA

ELEVATION AT CENTER OF LEASE AREA = 1,135.4' A.M.S.L.

STATE of KENTUCKY
G. DARRELL TAYLOR
4179
LICENSED PROFESSIONAL LAND SURVEYOR

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |

SPECIFIC PURPOSE SURVEY PREPARED BY:
POINT TO POINT LAND SURVEYORS
100 Governors Trace, Ste. 103
Peachtree City, GA 30269
(p) 678.565.4440 (f) 678.565.4497
(w) pointtosurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



STUEBENVILLE

SITE NO. KYLEX2036

WAYNE COUNTY, KENTUCKY

DRAWN BY: BDM

CHECKED BY: JKL

APPROVED: D. MILLER

DATE: FEBRUARY 04, 2020

P2P JOB #: 200034KY

SHEET:

2

OF 2

SURVEY NOT VALID WITHOUT SHEET 1 OF 2

Facebook (Point To Point) P2P Current Jobs/2020/03/03/034KY/2036 Stuebenville, Tenn. KY000034KY.dwg



| # | OWNER | ADDRESS | PID | REF |
|---|-----------------------|---|------------------|---------------|
| 1 | ANTHONY REYNOLDS | 150 ARLIE PIERCY RD MONTICELLO, KY 42633 | 078-00 00 013.00 | DB 303 PG 526 |
| 2 | PAUL & DEBORAH WALKER | 221 WINCHESTER RD MONTICELLO, KY 42633 | 078-00 00 024.03 | DB 330 PG 534 |
| 3 | ALVIN TURNER | 238 HARRIS RD MONTICELLO, KY 42633 | 078-00 00 024.00 | DB 291 PG 37 |
| 4 | LIDA MAE WEST | NO ADDRESS NOTED ON PVA INFO | 078-00 00 017.00 | DB 138 PG 80 |
| 5 | BETTY WEST, ET ALL | 1160 OLD HWY 90 MONTICELLO, KY 42633 | 078-00 00 016.00 | DB 166 PG 203 |
| 6 | ANTHONY REYNOLDS | 150 ARLIE PIERCY RD MONTICELLO, KY 42633 | 078-00 00 012.00 | DB 340 PG 417 |
| 7 | NICHOLAS COOLEY | 54 HWY 1275 S MONTICELLO, KY 42633 | 078-00 00 011.00 | DB 319 PG 217 |
| 8 | FRED & TED BERRY | 1174 REDWOOD DR LEXINGTON, KY 40511 | 078-00 00 019.00 | DB 301 PG 338 |

NOTE:
PVA INFORMATION WAS OBTAINED ON 7/24/2020 FROM THE OFFICIAL RECORDS
OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.



UNITI TOWERS
STEBENVILLE
FA# 15145553
PAGE# MRTNK047953
PT# 10115675
152 ARLIE PIERCY ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 255' SELF-SUPPORT TOWER

PROJECT NO: G0137328.00
CHECKED BY: DLS

| ISSUED FOR: | | | |
|-------------|----------|------|---------------|
| REV | DATE | DRWN | DESCRIPTION |
| A | 08/14/20 | MAS | CLIENT REVIEW |
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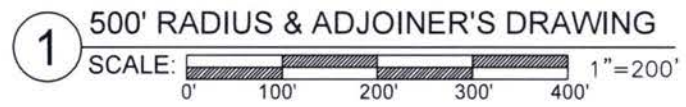
B&T ENGINEERING, INC.
E-1403
Expires 12/31/20



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

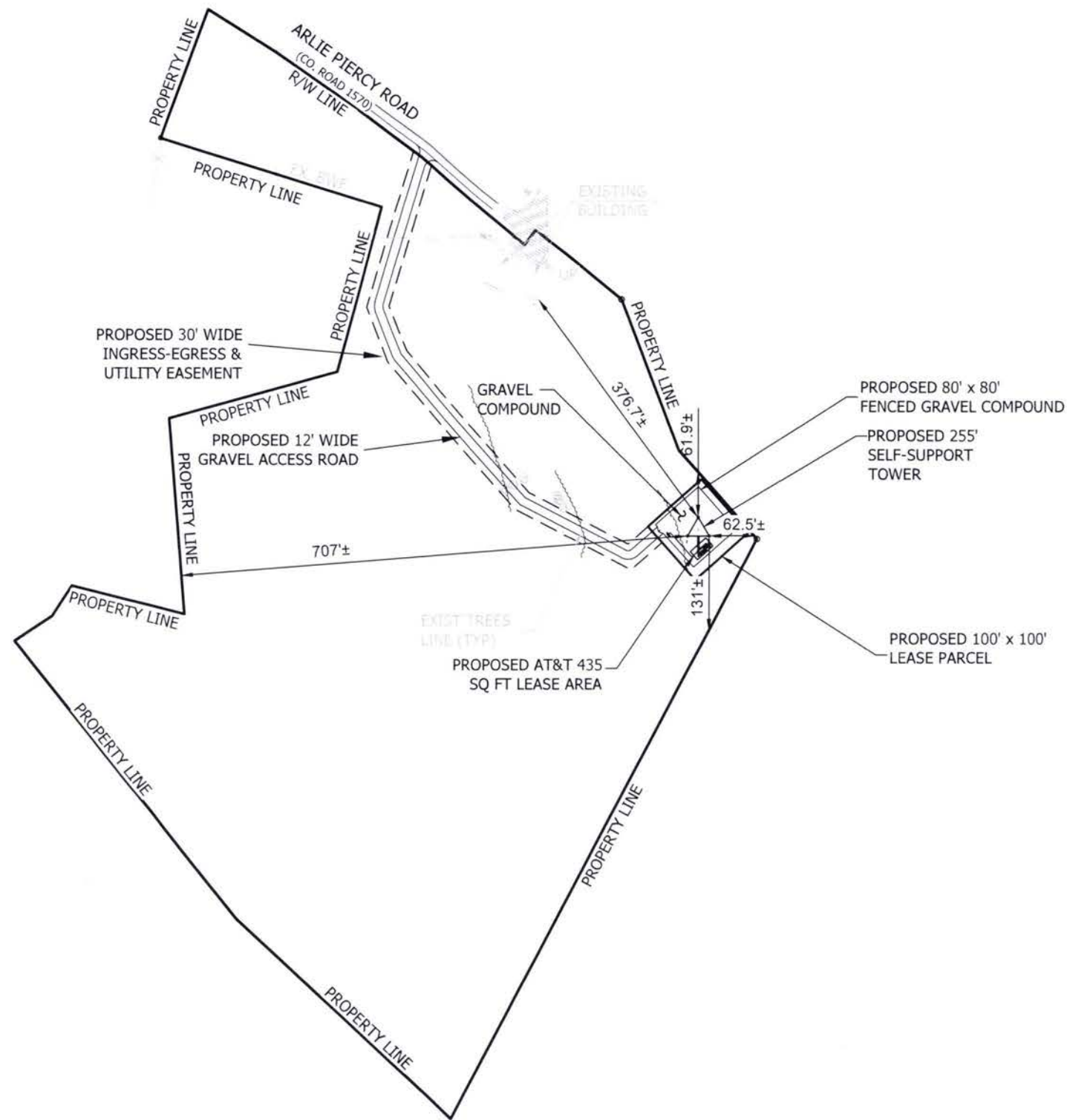
500' RADIUS &
ADJOINER'S
DRAWING

SHEET NUMBER:
C-1



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





NOTES:

1. TOWER LATITUDE, LONGITUDE & ELEVATION MEET FAA"1-A" ACCURACY REQUIREMENTS.

2. CENTER OF TOWER:

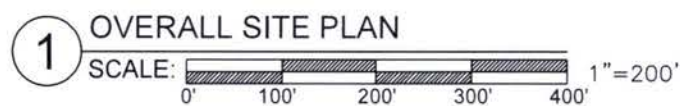
LATITUDE: NORTH 36°53'51.27" (36.897575) NAD 83
 LONGITUDE: WEST -84°47'05.92" (-84.784978) NAD 83
 GROUND ELEVATION @ 1135.4' A.M.S.L.

3. THE APPROXIMATE PERPENDICULAR DISTANCES FROM THE OUTER EDGE OF THE PROPOSED TOWER TO PARENT TRACT NEAREST PROPERTY LINE ARE AS FOLLOWS:

NORTH: 61'±
 SOUTH: 131'±
 EAST: 62'±
 WEST: 707'±

BAT NOTE:

MUST DO TREE CLEARING BETWEEN OCTOBER 15th AND MARCH 31st, DUE TO BAT TREES ON PROPERTY



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



UNITI TOWERS
STEBENVILLE
 FA# 15145553
 PACE# MIRTINK047953
 PT# 10115675
 152 ARLIE PIERCY ROAD
 MONTICELLO, KY 42633
 WAYNE COUNTY
 PROPOSED 255' SELF-SUPPORT TOWER

PROJECT NO: G0137328.00

CHECKED BY: DLS

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION |
|-----|----------|------|---------------|
| A | 08/14/20 | MAS | CLIENT REVIEW |
| 0 | 08/20/20 | MAS | FINAL |

B&T ENGINEERING, INC.
 E-1403
 Expires 12/31/20



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OVERALL SITE LAYOUT

SHEET NUMBER:
C-2



UNITI TOWERS
STEBENVILLE
 FA# 15145553
 PACE# MRTNK047953
 PT# 10115675
 152 ARLIE PIERCY ROAD
 MONTICELLO, KY 42633
 WAYNE COUNTY
 PROPOSED 255' SELF-SUPPORT TOWER

PROJECT NO: G0137328.00
 CHECKED BY: DLS

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION |
|-----|----------|------|---------------|
| A | 08/14/20 | MAS | CLIENT REVIEW |
| 0 | 08/20/20 | MAS | FINAL |

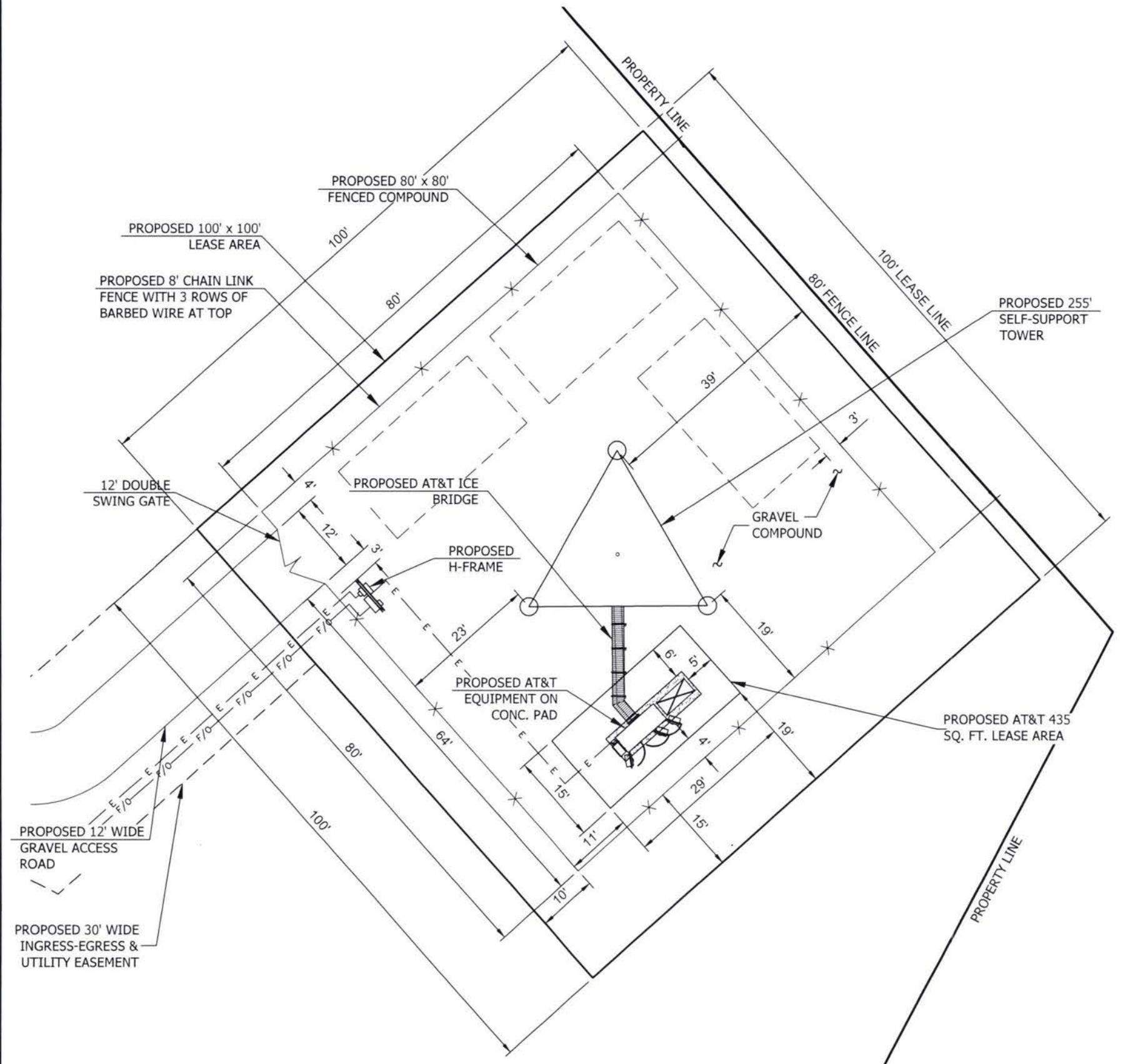
B&T ENGINEERING, INC.
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ENLARGED COMPOUND LAYOUT

SHEET NUMBER:
C-3



1 ENLARGED COMPOUND LAYOUT
 SCALE: 1" = 30'

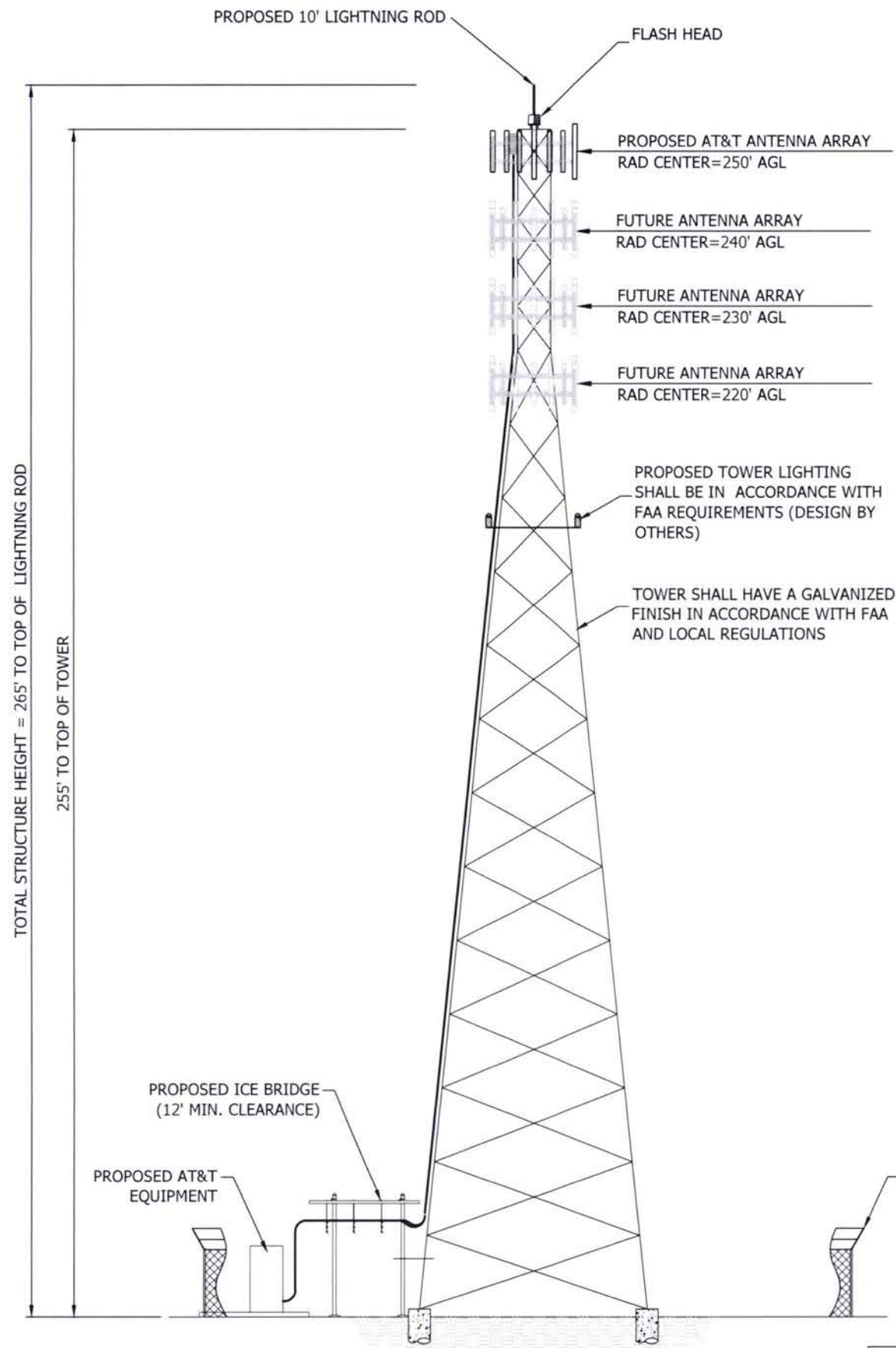


BAT NOTE:
 MUST DO TREE CLEARING BETWEEN OCTOBER 15th AND MARCH 31st, DUE TO BAT TREES ON PROPERTY



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





STRUCTURAL ANALYSIS NOTES:

1. ANTENNA PLACEMENT WAS DETERMINED WITHOUT VERIFICATION OF STRUCTURAL ANALYSIS.
2. REFER TO STRUCTURAL ANALYSIS OR STRUCTURAL LETTER FOR APPROVAL OF ADDITIONAL NEW APPURTENANCES.

NOTES: CONTRACTOR TO REFER TO THE STRUCTURAL DESIGN REPORT PREPARED BY UNITI TOWERS PRIOR TO CONSTRUCTION.

1 PROPOSED TOWER ELEVATION
SCALE: N.T.S.



UNITI TOWERS
STEUBENVILLE
 FA# 15145553
 PACE# MRTNK047953
 PT# 10115675
 152 ARLIE PIERCY ROAD
 MONTICELLO, KY 42633
 WAYNE COUNTY
 PROPOSED 255' SELF-SUPPORT TOWER

PROJECT NO: G0137328.00
 CHECKED BY: DLS

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION |
|-----|----------|------|---------------|
| A | 08/14/20 | MAS | CLIENT REVIEW |
| 0 | 08/20/20 | MAS | FINAL |

B&T ENGINEERING, INC.
 E-1403
 Expires 12/31/20



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TOWER ELEVATION

SHEET NUMBER:
C-4

EXHIBIT C
TOWER AND FOUNDATION DESIGN



Uniti Group Corporate Headquarters
10802 Executive Center Drive
Benton Building, Ste. 300
Little Rock, AR 72211
501.850.0820 | uniti.com

July 20, 2020

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

RE: Site Name – Steubenville Relo
Proposed Cell Tower
36.8975750 North Latitude, 84.7849780 West Longitude

Dear Commissioners:

The Construction Manager for the proposed new communications facility will be Jeremy Culpepper. His contact information is (985) 707-6175 or Jeremy.Culpepper@uniti.com. Jeremy has been in the industry completing civil construction and constructing towers since 1998. He has worked at Uniti Towers LLC since 2018 completing project and construction management on new site build projects.

Thank you,

Jeremy Culpepper Digitally signed by Jeremy Culpepper
Date: 2020.07.20 10:56:33 -05'00'

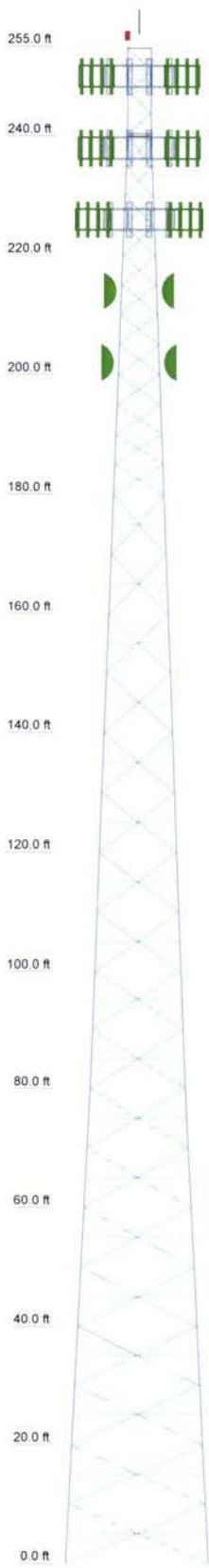
Jeremy Culpepper
Construction Manager – Tennessee/Kentucky Market
Uniti Towers LLC
(985) 707-6175

Uniti Fiber Division Headquarters
107 St. Francis Street, Ste. 1800
Mobile, AL 36602
251.662.1170 | unitifiber.com

New Orleans | Birmingham | Jackson | St. Petersburg | Dallas | Monroe

Uniti Towers Division Headquarters
10801 Executive Center Drive, Shannon Bldg., Ste. 100
Little Rock, AR 72211
501.850.0820 | unititowers.com
Domestic | International

| | | | | | | | | | | | | | |
|------------------|------------|-----------|-----------|------|-------------------|-----------|-------------------|----------|----------|-----------|------------------|------------------|------------------|
| Section | T1 | T2 | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | T12 | T13 |
| Legs | SR 1 1/2 | SR 2 1/4 | SR 2 3/4 | SR 3 | SR 3 1/4 | SR 3 1/2 | SR 3 3/4 | SR 3 3/4 | SR 4 | SR 4 | SR 4 1/4 | SR 4 1/4 | SR 4 1/4 |
| Leg Grade | | | | | | | A572-50 | | | | | | |
| Diagonals | SR 1 1/8 | | L2x2x3/16 | | L2 1/2x2 1/2x3/16 | L3x3x3/16 | L3x3x1/4 | L3x3x1/4 | L3x3x1/4 | L3x3x3/16 | L3 1/2x3 1/2x1/4 | L3 1/2x3 1/2x1/4 | L3 1/2x3 1/2x1/4 |
| Diagonal Grade | | | | | | | A36 | | | | | | |
| Top Girts | SR 1 1/8 | L2x2x3/16 | | | | | N.A. | | | | | | |
| Bottom Girts | SR 1 | | | | | | N.A. | | | | | | |
| Horizontals | SR 1 | | | | | | L2 1/2x2 1/2x3/16 | | | | | | |
| Sec. Horizontals | SR 1 | | | | | | N.A. | | | | | | |
| Face Width (ft) | 4 | 5.5 | 7 | 8.5 | 10 | 11.5 | 13 | 14.5 | 16 | 18 | 20 | 22 | 24 |
| # Panels @ (ft) | 4 @ 3.5625 | 1.3 | 1.8 | 2.1 | 2.5 | 3.0 | 3.4 | 3.8 | 4.2 | 4.4 | 5.5 | 8.1 | 44.4 |
| Weight (K) | 0.7 | | | | | | | | | | | | |



DESIGNED APPURTENANCE LOADING

| TYPE | ELEVATION | TYPE | ELEVATION |
|--------------------------|-----------|------------|-----------|
| Beacon | 255 | 6 FT DISH | 214 |
| Lightning Rod 5/8x8' | 255 | 6 FT DISH | 214 |
| Carrier #1 40,000 sq in. | 250 | Dish Mount | 202 |
| Carrier #2 30,000 sq in. | 238 | Dish Mount | 202 |
| Carrier #3 30,000 sq in. | 226 | 6 FT DISH | 202 |
| Dish Mount | 214 | 6 FT DISH | 202 |
| Dish Mount | 214 | | |

MATERIAL STRENGTH

| GRADE | Fy | Fu | GRADE | Fy | Fu |
|---------|--------|--------|-------|--------|--------|
| A572-50 | 50 ksi | 65 ksi | A36 | 36 ksi | 58 ksi |

TOWER DESIGN NOTES

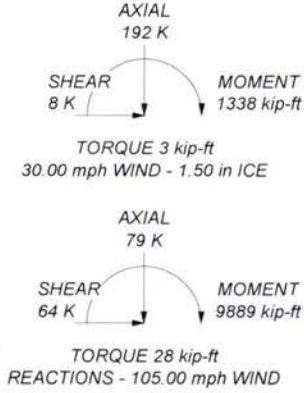
1. Tower is located in Wayne County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 105.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30.00 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 98.2%

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 502 K
SHEAR: 41 K

UPLIFT: -440 K
SHEAR: 36 K



| | | | |
|---|--|----------------|-------------|
| World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job: 255' WSST Tower / Run Q200951 | | |
| | Project Stebenville - Site ID KYLEX2036 | | |
| | Client: Uniti Towers | Drawn by: WBH | App'd: |
| | Code: TIA-222-H | Date: 12/03/20 | Scale: NTS |
| | Path: | | Dwg No. E-1 |

| | | |
|--|--|----------------------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job 255' WSST Tower / Run Q200951 | Page 1 of 25 |
| | Project Steubenville - Site ID KYLEX2036 | Date 12:22:18 12/03/20 |
| | Client Uniti Towers | Designed by WBH |

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 255.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 4.00 ft at the top and 24.00 ft at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Wayne County, Kentucky.

Tower base elevation above sea level: 1144.00 ft.

Basic wind speed of 105.00 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: I.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.50 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 30.00 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60.00 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

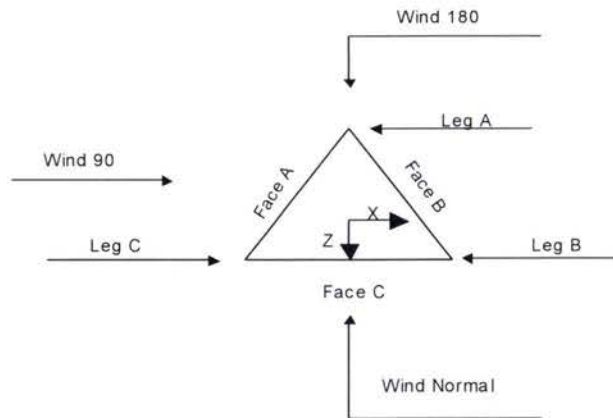
Stress ratio used in tower member design is 1.

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

Options

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In Member Capacity Leg Bolts Are At Top Of Section √ Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) √ SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r Retention Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA √ SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque √ Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <li style="text-align: center;">Poles Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|--|

| | | |
|--|--|----------------------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job 255' WSST Tower / Run Q200951 | Page 2 of 25 |
| | Project Steubenville - Site ID KYLEX2036 | Date 12:22:18 12/03/20 |
| | Client Uniti Towers | Designed by WBH |



Triangular Tower

Tower Section Geometry

| Tower Section | Tower Elevation | Assembly Database | Description | Section Width | Number of Sections | Section Length |
|---------------|-----------------|-------------------|-------------|---------------|--------------------|----------------|
| | <i>ft</i> | | | <i>ft</i> | | <i>ft</i> |
| T1 | 255.00-240.00 | | | 4.00 | 1 | 15.00 |
| T2 | 240.00-220.00 | | | 4.00 | 1 | 20.00 |
| T3 | 220.00-200.00 | | | 5.50 | 1 | 20.00 |
| T4 | 200.00-180.00 | | | 7.00 | 1 | 20.00 |
| T5 | 180.00-160.00 | | | 8.50 | 1 | 20.00 |
| T6 | 160.00-140.00 | | | 10.00 | 1 | 20.00 |
| T7 | 140.00-120.00 | | | 11.50 | 1 | 20.00 |
| T8 | 120.00-100.00 | | | 13.00 | 1 | 20.00 |
| T9 | 100.00-80.00 | | | 14.50 | 1 | 20.00 |
| T10 | 80.00-60.00 | | | 16.00 | 1 | 20.00 |
| T11 | 60.00-40.00 | | | 18.00 | 1 | 20.00 |
| T12 | 40.00-20.00 | | | 20.00 | 1 | 20.00 |
| T13 | 20.00-0.00 | | | 22.00 | 1 | 20.00 |

Tower Section Geometry (cont'd)

| Tower Section | Tower Elevation | Diagonal Spacing | Bracing Type | Has K Brace End Panels | Has Horizontals | Top Girt Offset | Bottom Girt Offset |
|---------------|-----------------|------------------|--------------|------------------------|-----------------|-----------------|--------------------|
| | <i>ft</i> | <i>ft</i> | | | | <i>in</i> | <i>in</i> |
| T1 | 255.00-240.00 | 3.56 | K Brace Left | No | Yes+Steps | 4.50 | 4.50 |
| T2 | 240.00-220.00 | 5.00 | X Brace | No | No | 0.00 | 0.00 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 3 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Tower Section | Tower Elevation | Diagonal Spacing | Bracing Type | Has K Brace End Panels | Has Horizontals | Top Girt Offset | Bottom Girt Offset |
|---------------|-----------------|------------------|--------------|------------------------|-----------------|-----------------|--------------------|
| | ft | ft | | | | in | in |
| T3 | 220.00-200.00 | 5.00 | X Brace | No | No | 0.00 | 0.00 |
| T4 | 200.00-180.00 | 5.00 | X Brace | No | No | 0.00 | 0.00 |
| T5 | 180.00-160.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T6 | 160.00-140.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T7 | 140.00-120.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T8 | 120.00-100.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T9 | 100.00-80.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T10 | 80.00-60.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T11 | 60.00-40.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T12 | 40.00-20.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |
| T13 | 20.00-0.00 | 5.00 | Double K | No | Yes | 0.00 | 0.00 |

Tower Section Geometry (cont'd)

| Tower Elevation | Leg Type | Leg Size | Leg Grade | Diagonal Type | Diagonal Size | Diagonal Grade |
|------------------|-------------|----------|------------------|---------------|-------------------|----------------|
| ft | | | | | | |
| T1 255.00-240.00 | Solid Round | 1 1/2 | A572-50 (50 ksi) | Solid Round | 1 1/8 | A36 (36 ksi) |
| T2 240.00-220.00 | Solid Round | 2 1/4 | A572-50 (50 ksi) | Equal Angle | L2x2x3/16 | A36 (36 ksi) |
| T3 220.00-200.00 | Solid Round | 2 3/4 | A572-50 (50 ksi) | Equal Angle | L2x2x3/16 | A36 (36 ksi) |
| T4 200.00-180.00 | Solid Round | 3 | A572-50 (50 ksi) | Equal Angle | L2x2x3/16 | A36 (36 ksi) |
| T5 180.00-160.00 | Solid Round | 3 1/4 | A572-50 (50 ksi) | Equal Angle | L2 1/2x2 1/2x3/16 | A36 (36 ksi) |
| T6 160.00-140.00 | Solid Round | 3 1/2 | A572-50 (50 ksi) | Equal Angle | L3x3x3/16 | A36 (36 ksi) |
| T7 140.00-120.00 | Solid Round | 3 3/4 | A572-50 (50 ksi) | Equal Angle | L3x3x3/16 | A36 (36 ksi) |
| T8 120.00-100.00 | Solid Round | 3 3/4 | A572-50 (50 ksi) | Equal Angle | L3x3x1/4 | A36 (36 ksi) |
| T9 100.00-80.00 | Solid Round | 4 | A572-50 (50 ksi) | Equal Angle | L3x3x1/4 | A36 (36 ksi) |
| T10 80.00-60.00 | Solid Round | 4 | A572-50 (50 ksi) | Equal Angle | L3x3x1/4 | A36 (36 ksi) |
| T11 60.00-40.00 | Solid Round | 4 1/4 | A572-50 (50 ksi) | Equal Angle | L3 1/2x3 1/2x1/4 | A36 (36 ksi) |
| T12 40.00-20.00 | Solid Round | 4 1/4 | A572-50 (50 ksi) | Equal Angle | L3 1/2x3 1/2x1/4 | A36 (36 ksi) |
| T13 20.00-0.00 | Solid Round | 4 1/4 | A572-50 (50 ksi) | Equal Angle | L4x4x1/4 | A36 (36 ksi) |

Tower Section Geometry (cont'd)

| Tower Elevation | Top Girt Type | Top Girt Size | Top Girt Grade | Bottom Girt Type | Bottom Girt Size | Bottom Girt Grade |
|------------------|---------------|---------------|----------------|------------------|------------------|-------------------|
| ft | | | | | | |
| T1 255.00-240.00 | Solid Round | 1 1/8 | A36 (36 ksi) | Solid Round | 1 | A36 (36 ksi) |
| T2 240.00-220.00 | Equal Angle | L2x2x3/16 | A36 | Equal Angle | | A36 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 4 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Tower Elevation ft | Top Girt Type | Top Girt Size | Top Girt Grade | Bottom Girt Type | Bottom Girt Size | Bottom Girt Grade |
|-----------------------|---------------|---------------|----------------|------------------|------------------|-------------------|
| | | | (36 ksi) | | | (36 ksi) |

Tower Section Geometry (cont'd)

| Tower Elevation ft | No. of Mid Girts | Mid Girt Type | Mid Girt Size | Mid Girt Grade | Horizontal Type | Horizontal Size | Horizontal Grade |
|-----------------------|------------------|---------------|---------------|-----------------|-----------------|-------------------|------------------|
| T1 255.00-240.00 | None | Single Angle | | A36 (36 ksi) | Solid Round | 1 | A36 (36 ksi) |
| T5 180.00-160.00 | None | Single Angle | | A36 (36 ksi) | Equal Angle | L2x2x3/16 | A36 (36 ksi) |
| T6 160.00-140.00 | None | Single Angle | | A36 (36 ksi) | Equal Angle | L2x2x3/16 | A36 (36 ksi) |
| T7 140.00-120.00 | None | Single Angle | | A36 (36 ksi) | Equal Angle | L2 1/2x2 1/2x3/16 | A36 (36 ksi) |
| T8 120.00-100.00 | None | Single Angle | | A36 (36 ksi) | Equal Angle | L2 1/2x2 1/2x3/16 | A36 (36 ksi) |
| T9 100.00-80.00 | None | Single Angle | | A36 (36 ksi) | Equal Angle | L2 1/2x2 1/2x3/16 | A36 (36 ksi) |
| T10 80.00-60.00 | None | Double Angle | | A36 (36 ksi) | Equal Angle | L3x3x3/16 | A36 (36 ksi) |
| T11 60.00-40.00 | None | Double Angle | | A36 (36 ksi) | Equal Angle | L3x3x1/4 | A36 (36 ksi) |
| T12 40.00-20.00 | None | Double Angle | | A36 (36 ksi) | Equal Angle | L3x3x1/4 | A36 (36 ksi) |
| T13 20.00-0.00 | None | Double Angle | | A36 (36 ksi) | Equal Angle | L3 1/2x3 1/2x1/4 | A36 (36 ksi) |

Tower Section Geometry (cont'd)

| Tower Elevation ft | Secondary Horizontal Type | Secondary Horizontal Size | Secondary Horizontal Grade | Inner Bracing Type | Inner Bracing Size | Inner Bracing Grade |
|-----------------------|---------------------------|---------------------------|----------------------------|--------------------|--------------------|---------------------|
| T1 255.00-240.00 | Solid Round | 1 | A36 (36 ksi) | Solid Round | | A36 (36 ksi) |

Tower Section Geometry (cont'd)

| Tower Elevation ft | Gusset Area (per face) ft ² | Gusset Thickness in | Gusset Grade | Adjust. Factor A _f | Adjust. Factor A _r | Weight Mult. | Double Angle Stitch Bolt Spacing Diagonals in | Double Angle Stitch Bolt Spacing Horizontals in | Double Angle Stitch Bolt Spacing Redundants in |
|-----------------------|--|------------------------|-----------------|----------------------------------|----------------------------------|--------------|---|---|--|
| T1 255.00-240.00 | 0.00 | 0.00 | A36 (36 ksi) | 1 | 1 | 1.07 | 0.00 | 0.00 | 36.00 |

| | | |
|--|--|----------------------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job 255' WSST Tower / Run Q200951 | Page 6 of 25 |
| | Project Steubenville - Site ID KYLEX2036 | Date 12:22:18 12/03/20 |
| | Client Uniti Towers | Designed by WBH |

| Tower Elevation ft | Calc K Single Angles | Calc K Solid Rounds | Legs | K Factors ¹ | | | | | | | | |
|-----------------------|----------------------|---------------------|------|------------------------|---------------|--------------|--------|--------|-------------|-------------|---|---|
| | | | | X Brace Diags | K Brace Diags | Single Diags | Girts | Horiz. | Sec. Horiz. | Inner Brace | | |
| | | | | X Y | X Y | X Y | X Y | X Y | X Y | X Y | | |
| T12 40.00-20.00 | Yes | Yes | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T13 20.00-0.00 | Yes | Yes | 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 255.00-240.00 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 1 | 0.00 | 1 |
| T2 240.00-220.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T3 220.00-200.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T4 200.00-180.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T5 180.00-160.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T6 160.00-140.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T7 140.00-120.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T8 120.00-100.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T9 100.00-80.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T10 80.00-60.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T11 60.00-40.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T12 40.00-20.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |
| T13 20.00-0.00 | 0.00 | 1 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 | 0.00 | 0.75 |

Tower Section Geometry (cont'd)

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 7 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Tower Elevation ft | Leg Connection Type | Leg | | Diagonal | | Top Girt | | Bottom Girt | | Mid Girt | | Long Horizontal | | Short Horizontal | |
|-----------------------|---------------------|----------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|------------------|-----|
| | | Bolt Size in | No. | Bolt Size in | No. | Bolt Size in | No. | Bolt Size in | No. | Bolt Size in | No. | Bolt Size in | No. | Bolt Size in | No. |
| T1 255.00-240.00 | Flange | 0.75 A325X | 4 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 |
| T2 240.00-220.00 | Flange | 0.75 A325X | 4 | 0.63 A325X | 1 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 |
| T3 220.00-200.00 | Flange | 1.00 A325X | 4 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 |
| T4 200.00-180.00 | Flange | 1.00 A325X | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 |
| T5 180.00-160.00 | Flange | 1.00 A325X | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.63 A325X | 1 | 0.63 A325X | 0 |
| T6 160.00-140.00 | Flange | 1.00 A325X | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.63 A325X | 1 | 0.75 A325X | 0 |
| T7 140.00-120.00 | Flange | 1.25 A325X > 1 | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.63 A325X | 1 | 0.75 A325X | 0 |
| T8 120.00-100.00 | Flange | 1.25 A325X > 1 | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.63 A325X | 1 | 0.88 A325X | 0 |
| T9 100.00-80.00 | Flange | 1.25 A325X > 1 | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.63 A325X | 1 | 0.88 A325X | 0 |
| T10 80.00-60.00 | Flange | 1.25 A325X > 1 | 6 | 0.63 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.63 A325X | 1 | 0.75 A325X | 0 |
| T11 60.00-40.00 | Flange | 1.25 A325X > 1 | 6 | 0.75 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.75 A325X | 1 | 0.75 A325X | 0 |
| T12 40.00-20.00 | Flange | 1.25 A325X > 1 | 6 | 0.75 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.75 A325X | 1 | 0.75 A325X | 0 |
| T13 20.00-0.00 | Flange | 1.25 F1554-105 | 6 | 0.75 A325X | 1 | 0.00 A325X | 0 | 0.00 A325X | 0 | 0.63 A325X | 0 | 0.75 A325X | 1 | 0.75 A325X | 0 |

Feed Line/Linear Appurtenances - Entered As Round Or Flat

| Description | Face or Leg | Allow Shield | Exclude From Torque Calculation | Component Type | Placement ft | Face Offset in | Lateral Offset (Frac FW) | # | # Per Row | Clear Spacing in | Width or Diameter in | Perimeter in | Weight plf |
|------------------|-------------|--------------|---------------------------------|----------------|-----------------|-------------------|-----------------------------|----|-----------|---------------------|-------------------------|-----------------|---------------|
| LDF7-50A(1-5/8") | A | No | No | Ar (CaAa) | 5.00 - 250.00 | 0.00 | 0.25 | 9 | 5 | 0.50 | 1.98 | | 0.82 |
| 1 1/2 FIBER | A | No | No | Ar (CaAa) | 5.00 - 250.00 | 0.00 | 0.25 | 6 | 3 | 0.50 | 1.59 | | 0.94 |
| ***** | | | | | | | | | | | | | |
| LDF7-50A(1-5/8") | B | No | No | Ar (CaAa) | 214.00 - 238.00 | 0.00 | 0 | 9 | 5 | 0.50 | 1.98 | | 0.82 |
| LDF7-50A(1-5/8") | B | No | No | Ar (CaAa) | 5.00 - 214.00 | 0.00 | 0 | 11 | 6 | 0.50 | 1.98 | | 0.82 |
| 1 1/2 FIBER | B | No | No | Ar (CaAa) | 5.00 - 238.00 | 0.00 | 0 | 6 | 3 | 0.50 | 1.59 | | 0.94 |
| ***** | | | | | | | | | | | | | |
| LDF7-50A(1-5/8") | C | No | No | Ar (CaAa) | 202.00 - 226.00 | 0.00 | 0 | 9 | 5 | 0.50 | 1.98 | | 0.82 |
| LDF7-50A(1-5/8") | C | No | No | Ar (CaAa) | 5.00 - | 0.00 | 0 | 11 | 6 | 0.50 | 1.98 | | 0.82 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 8 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| 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 plf |
|---------------------------|-------------|--------------|---------------------------------|----------------|-------------------------|----------------|--------------------------|---|-----------|------------------|----------------------|--------------|------------|
| 5/8") 1 1/2 FIBER | C | No | No | Ar (CaAa) | 202.00 5.00 - 226.00 | 0.00 | 0 | 6 | 3 | 0.50 | 1.59 | | 0.94 |
| ***** W/G LADDER RAIL* | A | No | No | Af (CaAa) | 5.00 - 250.00 | 0.00 | 0.25 | 2 | 2 | 36.00 | 0.25 | | 2.50 |
| W/G LADDER RAIL* | B | No | No | Af (CaAa) | 5.00 - 238.00 | 0.00 | 0 | 2 | 2 | 36.00 | 0.25 | | 2.50 |
| W/G LADDER RAIL* | C | No | No | Af (CaAa) | 5.00 - 226.00 | 0.00 | 0 | 2 | 2 | 36.00 | 0.25 | | 2.50 |
| CL | A | No | No | Af (CaAa) | 5.00 - 255.00 | 0.00 | -0.25 | 1 | 1 | 0.50 | 1.00 | | 4.55 |
| Safety Line 3/8 | A | No | No | Ar (CaAa) | 5.00 - 255.00 | -0.25 | -0.25 | 1 | 1 | 0.50 | 0.38 | | 0.22 |

Feed Line/Linear Appurtenances Section Areas

| Tower Section | Tower Elevation ft | Face | A_R ft ² | A_F ft ² | $C_v A_1$ In Face ft ² | $C_v A_1$ Out Face ft ² | Weight K |
|---------------|--------------------|------|--------------------------|--------------------------|---|--|-------------|
| T1 | 255.00-240.00 | A | 0.000 | 0.000 | 31.256 | 0.000 | 0.25 |
| | | B | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| T2 | 240.00-220.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 50.748 | 0.000 | 0.32 |
| | | C | 0.000 | 0.000 | 16.916 | 0.000 | 0.11 |
| T3 | 220.00-200.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 61.931 | 0.000 | 0.38 |
| | | C | 0.000 | 0.000 | 57.179 | 0.000 | 0.36 |
| T4 | 200.00-180.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T5 | 180.00-160.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T6 | 160.00-140.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T7 | 140.00-120.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T8 | 120.00-100.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T9 | 100.00-80.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T10 | 80.00-60.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T11 | 60.00-40.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| inxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 9 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Tower Section | Tower Elevation ft | Face | A_R ft ² | A_F ft ² | C_{iA_1} In Face ft ² | C_{oA_1} Out Face ft ² | Weight K |
|---------------|-----------------------|------|--------------------------|--------------------------|--|---|-------------|
| T12 | 40.00-20.00 | A | 0.000 | 0.000 | 60.470 | 0.000 | 0.46 |
| | | B | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| | | C | 0.000 | 0.000 | 64.307 | 0.000 | 0.39 |
| T13 | 20.00-0.00 | A | 0.000 | 0.000 | 45.352 | 0.000 | 0.34 |
| | | B | 0.000 | 0.000 | 48.230 | 0.000 | 0.29 |
| | | C | 0.000 | 0.000 | 48.230 | 0.000 | 0.29 |

Feed Line/Linear Appurtenances Section Areas - With Ice

| Tower Section | Tower Elevation ft | Face or Leg | Ice Thickness in | A_R ft ² | A_F ft ² | C_{iA_1} In Face ft ² | C_{oA_1} Out Face ft ² | Weight K |
|---------------|-----------------------|-------------|---------------------|--------------------------|--------------------------|--|---|-------------|
| T1 | 255.00-240.00 | A | 1.835 | 0.000 | 0.000 | 59.154 | 0.000 | 1.21 |
| | | B | | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| | | C | | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| T2 | 240.00-220.00 | A | 1.821 | 0.000 | 0.000 | 108.528 | 0.000 | 2.21 |
| | | B | | 0.000 | 0.000 | 80.886 | 0.000 | 1.65 |
| | | C | | 0.000 | 0.000 | 26.962 | 0.000 | 0.55 |
| T3 | 220.00-200.00 | A | 1.805 | 0.000 | 0.000 | 108.037 | 0.000 | 2.19 |
| | | B | | 0.000 | 0.000 | 93.423 | 0.000 | 1.91 |
| | | C | | 0.000 | 0.000 | 90.073 | 0.000 | 1.83 |
| T4 | 200.00-180.00 | A | 1.787 | 0.000 | 0.000 | 107.502 | 0.000 | 2.17 |
| | | B | | 0.000 | 0.000 | 94.709 | 0.000 | 1.94 |
| | | C | | 0.000 | 0.000 | 94.709 | 0.000 | 1.94 |
| T5 | 180.00-160.00 | A | 1.767 | 0.000 | 0.000 | 106.914 | 0.000 | 2.15 |
| | | B | | 0.000 | 0.000 | 94.281 | 0.000 | 1.92 |
| | | C | | 0.000 | 0.000 | 94.281 | 0.000 | 1.92 |
| T6 | 160.00-140.00 | A | 1.745 | 0.000 | 0.000 | 106.260 | 0.000 | 2.12 |
| | | B | | 0.000 | 0.000 | 93.806 | 0.000 | 1.90 |
| | | C | | 0.000 | 0.000 | 93.806 | 0.000 | 1.90 |
| T7 | 140.00-120.00 | A | 1.720 | 0.000 | 0.000 | 105.522 | 0.000 | 2.09 |
| | | B | | 0.000 | 0.000 | 93.270 | 0.000 | 1.88 |
| | | C | | 0.000 | 0.000 | 93.270 | 0.000 | 1.88 |
| T8 | 120.00-100.00 | A | 1.692 | 0.000 | 0.000 | 104.675 | 0.000 | 2.06 |
| | | B | | 0.000 | 0.000 | 92.654 | 0.000 | 1.85 |
| | | C | | 0.000 | 0.000 | 92.654 | 0.000 | 1.85 |
| T9 | 100.00-80.00 | A | 1.658 | 0.000 | 0.000 | 103.675 | 0.000 | 2.02 |
| | | B | | 0.000 | 0.000 | 91.928 | 0.000 | 1.82 |
| | | C | | 0.000 | 0.000 | 91.928 | 0.000 | 1.82 |
| T10 | 80.00-60.00 | A | 1.617 | 0.000 | 0.000 | 102.451 | 0.000 | 1.98 |
| | | B | | 0.000 | 0.000 | 91.039 | 0.000 | 1.79 |
| | | C | | 0.000 | 0.000 | 91.039 | 0.000 | 1.79 |
| T11 | 60.00-40.00 | A | 1.564 | 0.000 | 0.000 | 100.860 | 0.000 | 1.92 |
| | | B | | 0.000 | 0.000 | 89.884 | 0.000 | 1.74 |
| | | C | | 0.000 | 0.000 | 89.884 | 0.000 | 1.74 |
| T12 | 40.00-20.00 | A | 1.486 | 0.000 | 0.000 | 98.546 | 0.000 | 1.84 |
| | | B | | 0.000 | 0.000 | 88.204 | 0.000 | 1.67 |
| | | C | | 0.000 | 0.000 | 88.204 | 0.000 | 1.67 |
| T13 | 20.00-0.00 | A | 1.331 | 0.000 | 0.000 | 70.466 | 0.000 | 1.27 |
| | | B | | 0.000 | 0.000 | 63.654 | 0.000 | 1.16 |
| | | C | | 0.000 | 0.000 | 63.654 | 0.000 | 1.16 |

Feed Line Center of Pressure

| | | |
|--|--|----------------------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job 255' WSST Tower / Run Q200951 | Page 10 of 25 |
| | Project Steubenville - Site ID KYLEX2036 | Date 12:22:18 12/03/20 |
| | Client Uniti Towers | Designed by WBH |

| Section | Elevation | CP _X | CP _Z | CP _X | CP _Z |
|---------|---------------|-----------------|-----------------|-----------------|-----------------|
| | | in | in | Ice in | Ice in |
| T1 | 255.00-240.00 | -4.31 | -8.06 | -4.20 | -5.04 |
| T2 | 240.00-220.00 | 0.53 | -7.42 | -0.20 | -6.16 |
| T3 | 220.00-200.00 | 0.94 | -6.31 | 0.18 | -4.54 |
| T4 | 200.00-180.00 | 1.12 | -7.39 | 0.25 | -5.39 |
| T5 | 180.00-160.00 | 1.25 | -8.27 | 0.29 | -6.20 |
| T6 | 160.00-140.00 | 1.33 | -8.81 | 0.33 | -6.82 |
| T7 | 140.00-120.00 | 1.42 | -9.43 | 0.37 | -7.43 |
| T8 | 120.00-100.00 | 1.53 | -10.17 | 0.41 | -8.06 |
| T9 | 100.00-80.00 | 1.62 | -10.78 | 0.45 | -8.63 |
| T10 | 80.00-60.00 | 1.70 | -11.30 | 0.50 | -9.19 |
| T11 | 60.00-40.00 | 1.71 | -11.45 | 0.55 | -9.62 |
| T12 | 40.00-20.00 | 1.80 | -12.06 | 0.62 | -10.23 |
| T13 | 20.00-0.00 | 1.41 | -9.57 | 0.58 | -8.61 |

Shielding Factor Ka

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|------------------|-------------------------|-----------------------|--------------------|
| T1 | 1 | LDF7-50A(1-5/8") | 240.00 - 250.00 | 0.6000 | 0.5667 |
| T1 | 2 | 1 1/2 FIBER | 240.00 - 250.00 | 0.6000 | 0.5667 |
| T1 | 12 | W/G LADDER RAIL* | 240.00 - 250.00 | 0.6000 | 0.5667 |
| T1 | 15 | CL | 240.00 - 255.00 | 0.6000 | 0.5667 |
| T1 | 16 | Safety Line 3/8 | 240.00 - 255.00 | 0.6000 | 0.5667 |
| T2 | 1 | LDF7-50A(1-5/8") | 220.00 - 240.00 | 0.6000 | 0.5574 |
| T2 | 2 | 1 1/2 FIBER | 220.00 - 240.00 | 0.6000 | 0.5574 |
| T2 | 4 | LDF7-50A(1-5/8") | 220.00 - 238.00 | 0.6000 | 0.5574 |
| T2 | 6 | 1 1/2 FIBER | 220.00 - 238.00 | 0.6000 | 0.5574 |
| T2 | 8 | LDF7-50A(1-5/8") | 220.00 - 226.00 | 0.6000 | 0.5574 |
| T2 | 10 | 1 1/2 FIBER | 220.00 - 226.00 | 0.6000 | 0.5574 |
| T2 | 12 | W/G LADDER RAIL* | 220.00 - 240.00 | 0.6000 | 0.5574 |
| T2 | 13 | W/G LADDER RAIL* | 220.00 - 238.00 | 0.6000 | 0.5574 |
| T2 | 14 | W/G LADDER RAIL* | 220.00 - 226.00 | 0.6000 | 0.5574 |
| T2 | 15 | CL | 220.00 - 240.00 | 0.6000 | 0.5574 |
| T2 | 16 | Safety Line 3/8 | 220.00 - 240.00 | 0.6000 | 0.5574 |
| T3 | 1 | LDF7-50A(1-5/8") | 200.00 - 220.00 | 0.6000 | 0.6000 |
| T3 | 2 | 1 1/2 FIBER | 200.00 - 220.00 | 0.6000 | 0.6000 |
| T3 | 4 | LDF7-50A(1-5/8") | 214.00 - | 0.6000 | 0.6000 |

| | | |
|--|--|----------------------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job 255' WSST Tower / Run Q200951 | Page 11 of 25 |
| | Project Steubenville - Site ID KYLEX2036 | Date 12:22:18 12/03/20 |
| | Client Uniti Towers | Designed by WBH |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|------------------|-------------------------|-----------------------|--------------------|
| | | | 220.00 | | |
| T3 | 5 | LDF7-50A(1-5/8") | 200.00 - | 0.6000 | 0.6000 |
| | | | 214.00 | | |
| T3 | 6 | 1 1/2 FIBER | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 8 | LDF7-50A(1-5/8") | 202.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 9 | LDF7-50A(1-5/8") | 200.00 - | 0.6000 | 0.6000 |
| | | | 202.00 | | |
| T3 | 10 | 1 1/2 FIBER | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 12 | W/G LADDER RAIL* | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 13 | W/G LADDER RAIL* | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 14 | W/G LADDER RAIL* | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 15 | CL | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T3 | 16 | Safety Line 3/8 | 200.00 - | 0.6000 | 0.6000 |
| | | | 220.00 | | |
| T4 | 1 | LDF7-50A(1-5/8") | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 2 | 1 1/2 FIBER | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 5 | LDF7-50A(1-5/8") | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 6 | 1 1/2 FIBER | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 9 | LDF7-50A(1-5/8") | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 10 | 1 1/2 FIBER | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 12 | W/G LADDER RAIL* | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 13 | W/G LADDER RAIL* | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 14 | W/G LADDER RAIL* | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 15 | CL | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T4 | 16 | Safety Line 3/8 | 180.00 - | 0.6000 | 0.6000 |
| | | | 200.00 | | |
| T5 | 1 | LDF7-50A(1-5/8") | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 2 | 1 1/2 FIBER | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 5 | LDF7-50A(1-5/8") | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 6 | 1 1/2 FIBER | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 9 | LDF7-50A(1-5/8") | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 10 | 1 1/2 FIBER | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 12 | W/G LADDER RAIL* | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 13 | W/G LADDER RAIL* | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 14 | W/G LADDER RAIL* | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T5 | 15 | CL | 160.00 - | 0.6000 | 0.6000 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 12 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K_a No Ice | K_a Ice |
|---------------|----------------------|------------------|-------------------------|-----------------|--------------|
| | | | 180.00 | | |
| T5 | 16 | Safety Line 3/8 | 160.00 - | 0.6000 | 0.6000 |
| | | | 180.00 | | |
| T6 | 1 | LDF7-50A(1-5/8") | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 2 | 1 1/2 FIBER | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 5 | LDF7-50A(1-5/8") | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 6 | 1 1/2 FIBER | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 9 | LDF7-50A(1-5/8") | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 10 | 1 1/2 FIBER | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 12 | W/G LADDER RAIL* | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 13 | W/G LADDER RAIL* | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 14 | W/G LADDER RAIL* | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 15 | CL | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T6 | 16 | Safety Line 3/8 | 140.00 - | 0.6000 | 0.6000 |
| | | | 160.00 | | |
| T7 | 1 | LDF7-50A(1-5/8") | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 2 | 1 1/2 FIBER | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 5 | LDF7-50A(1-5/8") | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 6 | 1 1/2 FIBER | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 9 | LDF7-50A(1-5/8") | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 10 | 1 1/2 FIBER | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 12 | W/G LADDER RAIL* | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 13 | W/G LADDER RAIL* | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 14 | W/G LADDER RAIL* | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 15 | CL | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T7 | 16 | Safety Line 3/8 | 120.00 - | 0.6000 | 0.6000 |
| | | | 140.00 | | |
| T8 | 1 | LDF7-50A(1-5/8") | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 2 | 1 1/2 FIBER | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 5 | LDF7-50A(1-5/8") | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 6 | 1 1/2 FIBER | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 9 | LDF7-50A(1-5/8") | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 10 | 1 1/2 FIBER | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 12 | W/G LADDER RAIL* | 100.00 - | 0.6000 | 0.6000 |
| | | | 120.00 | | |
| T8 | 13 | W/G LADDER RAIL* | 100.00 - | 0.6000 | 0.6000 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 13 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Tower Section | Feed Line Record No. | Description | Feed Line Segment Elev. | K _a No Ice | K _a Ice |
|---------------|----------------------|------------------|-------------------------|-----------------------|--------------------|
| T8 | 14 | W/G LADDER RAIL* | 120.00 - 100.00 | 0.6000 | 0.6000 |
| T8 | 15 | CL | 120.00 - 100.00 | 0.6000 | 0.6000 |
| T8 | 16 | Safety Line 3/8 | 120.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 1 | LDF7-50A(1-5/8") | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 2 | 1 1/2 FIBER | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 5 | LDF7-50A(1-5/8") | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 6 | 1 1/2 FIBER | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 9 | LDF7-50A(1-5/8") | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 10 | 1 1/2 FIBER | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 12 | W/G LADDER RAIL* | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 13 | W/G LADDER RAIL* | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 14 | W/G LADDER RAIL* | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 15 | CL | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T9 | 16 | Safety Line 3/8 | 80.00 - 100.00 | 0.6000 | 0.6000 |
| T10 | 1 | LDF7-50A(1-5/8") | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 2 | 1 1/2 FIBER | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 5 | LDF7-50A(1-5/8") | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 6 | 1 1/2 FIBER | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 9 | LDF7-50A(1-5/8") | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 10 | 1 1/2 FIBER | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 12 | W/G LADDER RAIL* | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 13 | W/G LADDER RAIL* | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 14 | W/G LADDER RAIL* | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 15 | CL | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T10 | 16 | Safety Line 3/8 | 60.00 - 80.00 | 0.6000 | 0.6000 |
| T11 | 1 | LDF7-50A(1-5/8") | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 2 | 1 1/2 FIBER | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 5 | LDF7-50A(1-5/8") | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 6 | 1 1/2 FIBER | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 9 | LDF7-50A(1-5/8") | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 10 | 1 1/2 FIBER | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 12 | W/G LADDER RAIL* | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 13 | W/G LADDER RAIL* | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 14 | W/G LADDER RAIL* | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 15 | CL | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T11 | 16 | Safety Line 3/8 | 40.00 - 60.00 | 0.6000 | 0.6000 |
| T12 | 1 | LDF7-50A(1-5/8") | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 2 | 1 1/2 FIBER | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 5 | LDF7-50A(1-5/8") | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 6 | 1 1/2 FIBER | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 9 | LDF7-50A(1-5/8") | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 10 | 1 1/2 FIBER | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 12 | W/G LADDER RAIL* | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 13 | W/G LADDER RAIL* | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 14 | W/G LADDER RAIL* | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 15 | CL | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T12 | 16 | Safety Line 3/8 | 20.00 - 40.00 | 0.6000 | 0.6000 |
| T13 | 1 | LDF7-50A(1-5/8") | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 2 | 1 1/2 FIBER | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 5 | LDF7-50A(1-5/8") | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 6 | 1 1/2 FIBER | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 9 | LDF7-50A(1-5/8") | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 10 | 1 1/2 FIBER | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 12 | W/G LADDER RAIL* | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 13 | W/G LADDER RAIL* | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 14 | W/G LADDER RAIL* | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 15 | CL | 5.00 - 20.00 | 0.6000 | 0.6000 |
| T13 | 16 | Safety Line 3/8 | 5.00 - 20.00 | 0.6000 | 0.6000 |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 14 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

Discrete Tower Loads

| Description | Face or Leg | Offset Type | Offsets: Horz Lateral Vert ft ft ft | Azimuth Adjustment ° | Placement ft | | C _v A ₁ Front ft ² | C _v A ₁ Side ft ² | Weight K |
|----------------------|---------------|-------------|--|-------------------------|-----------------|----------|---|--|-------------|
| Carrier #1 | 40,000 sq in. | C | None | 0.000 | 250.00 | No Ice | 277.78 | 277.78 | 2.00 |
| | | | | | | 1/2" Ice | 303.86 | 303.86 | 3.00 |
| | | | | | | 1" Ice | 329.94 | 329.94 | 4.00 |
| | | | | | | 2" Ice | 382.10 | 382.10 | 6.00 |
| Carrier #2 | 30,000 sq in. | C | None | 0.000 | 238.00 | No Ice | 208.33 | 208.33 | 2.00 |
| | | | | | | 1/2" Ice | 230.51 | 230.51 | 3.00 |
| | | | | | | 1" Ice | 252.69 | 252.69 | 4.00 |
| | | | | | | 2" Ice | 297.05 | 297.05 | 6.00 |
| Carrier #3 | 30,000 sq in. | C | None | 0.000 | 226.00 | No Ice | 208.33 | 208.33 | 2.00 |
| | | | | | | 1/2" Ice | 230.51 | 230.51 | 3.00 |
| | | | | | | 1" Ice | 252.69 | 252.69 | 4.00 |
| | | | | | | 2" Ice | 297.05 | 297.05 | 6.00 |
| ***** | | | | | | | | | |
| Dish Mount | B | From Leg | 0.50 0 0 | 0.000 | 214.00 | No Ice | 1.62 | 1.62 | 0.02 |
| | | | | | | 1/2" Ice | 2.34 | 2.34 | 0.04 |
| | | | | | | 1" Ice | 2.69 | 2.69 | 0.06 |
| | | | | | | 2" Ice | 3.42 | 3.42 | 0.11 |
| Dish Mount | C | From Leg | 0.50 0 0 | 0.000 | 214.00 | No Ice | 1.62 | 1.62 | 0.02 |
| | | | | | | 1/2" Ice | 2.34 | 2.34 | 0.04 |
| | | | | | | 1" Ice | 2.69 | 2.69 | 0.06 |
| | | | | | | 2" Ice | 3.42 | 3.42 | 0.11 |
| Dish Mount | B | From Leg | 0.50 0 0 | 0.000 | 202.00 | No Ice | 1.62 | 1.62 | 0.02 |
| | | | | | | 1/2" Ice | 2.34 | 2.34 | 0.04 |
| | | | | | | 1" Ice | 2.69 | 2.69 | 0.06 |
| | | | | | | 2" Ice | 3.42 | 3.42 | 0.11 |
| Dish Mount | C | From Leg | 0.50 0 0 | 0.000 | 202.00 | No Ice | 1.62 | 1.62 | 0.02 |
| | | | | | | 1/2" Ice | 2.34 | 2.34 | 0.04 |
| | | | | | | 1" Ice | 2.69 | 2.69 | 0.06 |
| | | | | | | 2" Ice | 3.42 | 3.42 | 0.11 |
| *** | | | | | | | | | |
| Beacon | C | From Leg | 0.00 0 1 | 0.000 | 255.00 | No Ice | 2.00 | 2.00 | 0.02 |
| | | | | | | 1/2" Ice | 2.50 | 2.50 | 0.03 |
| | | | | | | 1" Ice | 3.00 | 3.00 | 0.04 |
| | | | | | | 2" Ice | 4.00 | 4.00 | 0.06 |
| Lightning Rod 5/8x8' | A | From Leg | 0.00 0 4 | 0.000 | 255.00 | No Ice | 0.50 | 0.50 | 0.06 |
| | | | | | | 1/2" Ice | 1.33 | 1.33 | 0.07 |
| | | | | | | 1" Ice | 2.15 | 2.15 | 0.08 |
| | | | | | | 2" Ice | 3.81 | 3.81 | 0.09 |

Dishes

tnxTower

World Tower Company
 1212 Compressor Drive
 Mayfield, KY 42066
 Phone: (270) 247-3642
 FAX: (270) 247-0909

| | | | |
|----------------|----------------------------------|--------------------|-------------------|
| Job | 255' WSST Tower / Run Q200951 | Page | 15 of 25 |
| Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| Client | Uniti Towers | Designed by | WBH |

| Description | Face or Leg | Dish Type | Offset Type | Offsets: Horiz Lateral Vert | Azimuth Adjustment | 3 dB Beam Width | Elevation | Outside Diameter | Aperture Area | Weight | |
|-------------|-------------|-----------------------|-------------|-----------------------------|--------------------|-----------------|-----------|------------------|-----------------|--------|------|
| | | | | ft | ° | ° | ft | ft | ft ² | K | |
| 6 FT DISH | B | Paraboloid w/o Radome | From Leg | 1.00 | 0.000 | | 214.00 | 6.00 | No Ice | 28.27 | 0.14 |
| | | | | 0 | | | | | 1/2" Ice | 29.05 | 0.29 |
| | | | | 0 | | | | | 1" Ice | 29.83 | 0.44 |
| | | | | 0 | | | | | 2" Ice | 31.39 | 0.74 |
| 6 FT DISH | C | Paraboloid w/o Radome | From Leg | 1.00 | 0.000 | | 214.00 | 6.00 | No Ice | 28.27 | 0.14 |
| | | | | 0 | | | | | 1/2" Ice | 29.05 | 0.29 |
| | | | | 0 | | | | | 1" Ice | 29.83 | 0.44 |
| | | | | 0 | | | | | 2" Ice | 31.39 | 0.74 |
| 6 FT DISH | B | Paraboloid w/o Radome | From Leg | 1.00 | 0.000 | | 202.00 | 6.00 | No Ice | 28.27 | 0.14 |
| | | | | 0 | | | | | 1/2" Ice | 29.05 | 0.29 |
| | | | | 0 | | | | | 1" Ice | 29.83 | 0.44 |
| | | | | 0 | | | | | 2" Ice | 31.39 | 0.74 |
| 6 FT DISH | C | Paraboloid w/o Radome | From Leg | 1.00 | 0.000 | | 202.00 | 6.00 | No Ice | 28.27 | 0.14 |
| | | | | 0 | | | | | 1/2" Ice | 29.05 | 0.29 |
| | | | | 0 | | | | | 1" Ice | 29.83 | 0.44 |
| | | | | 0 | | | | | 2" Ice | 31.39 | 0.74 |

Load Combinations

| Comb. No. | Description |
|-----------|--|
| 1 | Dead Only |
| 2 | 1.2 Dead+1.0 Wind 0 deg - No Ice |
| 3 | 0.9 Dead+1.0 Wind 0 deg - No Ice |
| 4 | 1.2 Dead+1.0 Wind 30 deg - No Ice |
| 5 | 0.9 Dead+1.0 Wind 30 deg - No Ice |
| 6 | 1.2 Dead+1.0 Wind 60 deg - No Ice |
| 7 | 0.9 Dead+1.0 Wind 60 deg - No Ice |
| 8 | 1.2 Dead+1.0 Wind 90 deg - No Ice |
| 9 | 0.9 Dead+1.0 Wind 90 deg - No Ice |
| 10 | 1.2 Dead+1.0 Wind 120 deg - No Ice |
| 11 | 0.9 Dead+1.0 Wind 120 deg - No Ice |
| 12 | 1.2 Dead+1.0 Wind 150 deg - No Ice |
| 13 | 0.9 Dead+1.0 Wind 150 deg - No Ice |
| 14 | 1.2 Dead+1.0 Wind 180 deg - No Ice |
| 15 | 0.9 Dead+1.0 Wind 180 deg - No Ice |
| 16 | 1.2 Dead+1.0 Wind 210 deg - No Ice |
| 17 | 0.9 Dead+1.0 Wind 210 deg - No Ice |
| 18 | 1.2 Dead+1.0 Wind 240 deg - No Ice |
| 19 | 0.9 Dead+1.0 Wind 240 deg - No Ice |
| 20 | 1.2 Dead+1.0 Wind 270 deg - No Ice |
| 21 | 0.9 Dead+1.0 Wind 270 deg - No Ice |
| 22 | 1.2 Dead+1.0 Wind 300 deg - No Ice |
| 23 | 0.9 Dead+1.0 Wind 300 deg - No Ice |
| 24 | 1.2 Dead+1.0 Wind 330 deg - No Ice |
| 25 | 0.9 Dead+1.0 Wind 330 deg - No Ice |
| 26 | 1.2 Dead+1.0 Ice+1.0 Temp |
| 27 | 1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp |
| 28 | 1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp |
| 29 | 1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp |
| 30 | 1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp |
| 31 | 1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp |
| 32 | 1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp |
| 33 | 1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp |
| 34 | 1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp |
| 35 | 1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| inxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 16 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| <i>Comb. No.</i> | <i>Description</i> |
|------------------|--|
| 36 | 1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp |
| 37 | 1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp |
| 38 | 1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp |
| 39 | Dead+Wind 0 deg - Service |
| 40 | Dead+Wind 30 deg - Service |
| 41 | Dead+Wind 60 deg - Service |
| 42 | Dead+Wind 90 deg - Service |
| 43 | Dead+Wind 120 deg - Service |
| 44 | Dead+Wind 150 deg - Service |
| 45 | Dead+Wind 180 deg - Service |
| 46 | Dead+Wind 210 deg - Service |
| 47 | Dead+Wind 240 deg - Service |
| 48 | Dead+Wind 270 deg - Service |
| 49 | Dead+Wind 300 deg - Service |
| 50 | Dead+Wind 330 deg - Service |

Maximum Tower Deflections - Service Wind

| <i>Section No.</i> | <i>Elevation ft</i> | <i>Horz. Deflection in</i> | <i>Gov. Load Comb.</i> | <i>Tilt °</i> | <i>Twist °</i> |
|--------------------|---------------------|----------------------------|------------------------|---------------|----------------|
| T1 | 255 - 240 | 14.93 | 43 | 0.587 | 0.038 |
| T2 | 240 - 220 | 13.07 | 47 | 0.570 | 0.035 |
| T3 | 220 - 200 | 10.74 | 47 | 0.518 | 0.036 |
| T4 | 200 - 180 | 8.64 | 47 | 0.456 | 0.032 |
| T5 | 180 - 160 | 6.80 | 47 | 0.391 | 0.024 |
| T6 | 160 - 140 | 5.24 | 47 | 0.331 | 0.021 |
| T7 | 140 - 120 | 3.92 | 47 | 0.277 | 0.019 |
| T8 | 120 - 100 | 2.81 | 47 | 0.229 | 0.015 |
| T9 | 100 - 80 | 1.92 | 47 | 0.181 | 0.013 |
| T10 | 80 - 60 | 1.21 | 47 | 0.139 | 0.010 |
| T11 | 60 - 40 | 0.69 | 47 | 0.098 | 0.007 |
| T12 | 40 - 20 | 0.32 | 47 | 0.064 | 0.004 |
| T13 | 20 - 0 | 0.09 | 47 | 0.031 | 0.002 |

Critical Deflections and Radius of Curvature - Service Wind

| <i>Elevation ft</i> | <i>Appurtenance</i> | <i>Gov. Load Comb.</i> | <i>Deflection in</i> | <i>Tilt °</i> | <i>Twist °</i> | <i>Radius of Curvature ft</i> |
|---------------------|--------------------------|------------------------|----------------------|---------------|----------------|-------------------------------|
| 255.00 | Beacon | 43 | 14.93 | 0.587 | 0.038 | 83545 |
| 250.00 | Carrier #1 40,000 sq in. | 43 | 14.31 | 0.583 | 0.037 | 83545 |
| 238.00 | Carrier #2 30,000 sq in. | 47 | 12.83 | 0.567 | 0.034 | 26683 |
| 226.00 | Carrier #3 30,000 sq in. | 47 | 11.42 | 0.536 | 0.035 | 20483 |
| 214.00 | 6 FT DISH | 47 | 10.08 | 0.500 | 0.035 | 18450 |
| 202.00 | 6 FT DISH | 47 | 8.84 | 0.463 | 0.033 | 18508 |

Maximum Tower Deflections - Design Wind

| | | |
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| Section No. | Elevation ft | Horz. Deflection in | Gov. Load Comb. | Tilt ° | Twist ° |
|-------------|-----------------|------------------------|-----------------|-----------|------------|
| T1 | 255 - 240 | 45.84 | 18 | 1.808 | 0.114 |
| T2 | 240 - 220 | 40.14 | 18 | 1.752 | 0.106 |
| T3 | 220 - 200 | 32.97 | 18 | 1.591 | 0.109 |
| T4 | 200 - 180 | 26.53 | 18 | 1.401 | 0.098 |
| T5 | 180 - 160 | 20.89 | 18 | 1.201 | 0.075 |
| T6 | 160 - 140 | 16.07 | 18 | 1.016 | 0.066 |
| T7 | 140 - 120 | 12.03 | 18 | 0.850 | 0.057 |
| T8 | 120 - 100 | 8.64 | 18 | 0.704 | 0.047 |
| T9 | 100 - 80 | 5.90 | 18 | 0.556 | 0.039 |
| T10 | 80 - 60 | 3.73 | 18 | 0.427 | 0.030 |
| T11 | 60 - 40 | 2.12 | 18 | 0.301 | 0.021 |
| T12 | 40 - 20 | 0.99 | 18 | 0.196 | 0.014 |
| T13 | 20 - 0 | 0.29 | 18 | 0.096 | 0.006 |

Critical Deflections and Radius of Curvature - Design Wind

| Elevation ft | Appurtenance | Gov. Load Comb. | Deflection in | Tilt ° | Twist ° | Radius of Curvature ft |
|-----------------|--------------------------|-----------------|------------------|-----------|------------|---------------------------|
| 255.00 | Beacon | 18 | 45.84 | 1.808 | 0.114 | 27190 |
| 250.00 | Carrier #1 40,000 sq in. | 18 | 43.92 | 1.793 | 0.112 | 27190 |
| 238.00 | Carrier #2 30,000 sq in. | 18 | 39.39 | 1.740 | 0.105 | 8705 |
| 226.00 | Carrier #3 30,000 sq in. | 18 | 35.05 | 1.646 | 0.108 | 6718 |
| 214.00 | 6 FT DISH | 18 | 30.95 | 1.535 | 0.108 | 6011 |
| 202.00 | 6 FT DISH | 18 | 27.14 | 1.420 | 0.100 | 6030 |

Bolt Design Data

| Section No. | Elevation ft | Component Type | Bolt Grade | Bolt Size in | Number Of Bolts | Maximum Load per Bolt K | Allowable Load per Bolt K | Ratio Load Allowable | Allowable Ratio | Criteria | |
|-------------|-----------------|----------------|------------|-----------------|-----------------|----------------------------|------------------------------|----------------------|-----------------|----------|--------------------|
| T1 | 255 | Leg | A325X | 0.75 | 4 | 5.01 | 30.10 | 0.166 | ✓ | 1 | Bolt Tension |
| T2 | 240 | Leg | A325X | 0.75 | 4 | 16.76 | 30.10 | 0.557 | ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 7.14 | 8.89 | 0.803 | ✓ | 1 | Member Block Shear |
| | | Top Girt | A325X | 0.63 | 1 | 1.17 | 8.89 | 0.131 | ✓ | 1 | Member Block Shear |
| T3 | 220 | Leg | A325X | 1.00 | 4 | 31.65 | 54.52 | 0.581 | ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 7.03 | 8.89 | 0.790 | ✓ | 1 | Member Block Shear |
| T4 | 200 | Leg | A325X | 1.00 | 6 | 29.96 | 54.52 | 0.550 | ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 7.39 | 8.89 | 0.831 | ✓ | 1 | Member Block Shear |
| T5 | 180 | Leg | A325X | 1.00 | 6 | 36.37 | 54.52 | 0.667 | ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 8.76 | 10.93 | 0.801 | ✓ | 1 | Member Block Shear |
| | | Horizontal | A325X | 0.63 | 1 | 4.68 | 8.89 | 0.526 | ✓ | 1 | Member Block Shear |

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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 |
|-------------|-----------------|----------------|------------|-----------------|-----------------|----------------------------|------------------------------|----------------------|-----------------|--------------------|
| T6 | 160 | Leg | A325X | 1.00 | 6 | 42.84 | 54.52 | 0.786 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 8.09 | 11.09 | 0.730 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.63 | 1 | 5.26 | 8.89 | 0.591 ✓ | 1 | Member Block Shear |
| T7 | 140 | Leg | A325X > 1 | 1.25 | 6 | 48.77 | 76.32 | 0.639 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 8.03 | 11.09 | 0.724 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.63 | 1 | 5.74 | 10.93 | 0.525 ✓ | 1 | Member Block Shear |
| T8 | 120 | Leg | A325X > 1 | 1.25 | 6 | 54.35 | 76.32 | 0.712 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 8.29 | 14.79 | 0.561 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.63 | 1 | 6.44 | 10.93 | 0.589 ✓ | 1 | Member Block Shear |
| T9 | 100 | Leg | A325X > 1 | 1.25 | 6 | 59.65 | 76.32 | 0.782 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 8.55 | 14.79 | 0.578 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.63 | 1 | 6.81 | 10.93 | 0.623 ✓ | 1 | Member Block Shear |
| T10 | 80 | Leg | A325X > 1 | 1.25 | 6 | 63.47 | 76.32 | 0.832 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.63 | 1 | 6.13 | 14.79 | 0.414 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.63 | 1 | 7.32 | 11.09 | 0.659 ✓ | 1 | Member Bearing |
| T11 | 60 | Leg | A325X > 1 | 1.25 | 6 | 66.57 | 76.32 | 0.872 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.75 | 1 | 6.52 | 17.84 | 0.365 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.75 | 1 | 7.74 | 17.84 | 0.434 ✓ | 1 | Member Bearing |
| T12 | 40 | Leg | A325X > 1 | 1.25 | 6 | 69.66 | 76.32 | 0.913 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.75 | 1 | 6.99 | 17.84 | 0.392 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.75 | 1 | 8.17 | 17.84 | 0.458 ✓ | 1 | Member Bearing |
| T13 | 20 | Leg | F1554-105 | 1.25 | 6 | 72.67 | 90.85 | 0.800 ✓ | 1 | Bolt Tension |
| | | Diagonal | A325X | 0.75 | 1 | 7.41 | 17.84 | 0.415 ✓ | 1 | Member Bearing |
| | | Horizontal | A325X | 0.75 | 1 | 8.60 | 17.84 | 0.482 ✓ | 1 | Member Bearing |

Compression Checks

Leg Design Data (Compression)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------|---------|----------------------|-----------------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 1/2 | 15.00 | 3.56 | 114.0 K=1.00 | 1.77 | -17.99 | 30.72 | 0.586 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 $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------|---------|----------------------|-----------------|----------------------|---------------------|----------------------|---------------------------------|
| T2 | 240 - 220 | 2 1/4 | 20.02 | 5.00 | 106.8 K=1.00 | 3.98 | -73.06 | 77.75 | 0.940 ¹ |
| T3 | 220 - 200 | 2 3/4 | 20.02 | 5.00 | 87.4 K=1.00 | 5.94 | -135.93 | 152.99 | 0.888 ¹ |
| T4 | 200 - 180 | 3 | 20.02 | 5.00 | 80.1 K=1.00 | 7.07 | -192.24 | 199.04 | 0.966 ¹ |
| T5 | 180 - 160 | 3 1/4 | 20.02 | 5.00 | 73.9 K=1.00 | 8.30 | -233.98 | 250.37 | 0.935 ¹ |
| T6 | 160 - 140 | 3 1/2 | 20.02 | 5.00 | 68.6 K=1.00 | 9.62 | -276.90 | 306.80 | 0.903 ¹ |
| T7 | 140 - 120 | 3 3/4 | 20.02 | 5.00 | 64.1 K=1.00 | 11.04 | -316.89 | 368.18 | 0.861 ¹ |
| T8 | 120 - 100 | 3 3/4 | 20.02 | 5.00 | 64.1 K=1.00 | 11.04 | -355.28 | 368.18 | 0.965 ¹ |
| T9 | 100 - 80 | 4 | 20.02 | 5.00 | 60.1 K=1.00 | 12.57 | -392.51 | 434.40 | 0.904 ¹ |
| T10 | 80 - 60 | 4 | 20.03 | 5.01 | 60.1 K=1.00 | 12.57 | -421.36 | 434.24 | 0.970 ¹ |
| T11 | 60 - 40 | 4 1/4 | 20.03 | 5.01 | 56.6 K=1.00 | 14.19 | -446.17 | 505.22 | 0.883 ¹ |
| T12 | 40 - 20 | 4 1/4 | 20.03 | 5.01 | 56.6 K=1.00 | 14.19 | -471.18 | 505.22 | 0.933 ¹ |
| T13 | 20 - 0 | 4 1/4 | 20.03 | 5.01 | 56.6 K=1.00 | 14.19 | -496.08 | 505.22 | 0.982 ¹ |

¹ P_u / φP_n controls

Diagonal Design Data (Compression)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------------------|---------|----------------------|-----------------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 1/8 | 5.36 | 5.19 | 155.0 K=0.70 | 0.99 | -6.97 | 9.35 | 0.745 ¹ |
| T2 | 240 - 220 | L2x2x3/16 | 7.30 | 3.50 | 110.0 K=1.03 | 0.71 | -7.28 | 15.95 | 0.457 ¹ |
| T3 | 220 - 200 | L2x2x3/16 | 8.45 | 4.05 | 123.5 K=1.00 | 0.71 | -6.89 | 13.40 | 0.514 ¹ |
| T4 | 200 - 180 | L2x2x3/16 | 9.70 | 4.67 | 142.2 K=1.00 | 0.71 | -6.89 | 10.12 | 0.680 ¹ |
| T5 | 180 - 160 | L2 1/2x2 1/2x3/16 | 7.07 | 6.59 | 159.7 K=1.00 | 0.90 | -8.43 | 10.12 | 0.833 ¹ |
| T6 | 160 - 140 | L3x3x3/16 | 7.62 | 7.14 | 143.7 K=1.00 | 1.09 | -8.20 | 15.11 | 0.542 ¹ |
| T7 | 140 - 120 | L3x3x3/16 | 8.20 | 7.71 | 155.3 K=1.00 | 1.09 | -8.35 | 12.94 | 0.646 ¹ |
| T8 | 120 - 100 | L3x3x1/4 | 8.81 | 8.33 | 168.8 K=1.00 | 1.44 | -8.81 | 14.47 | 0.609 ¹ |
| T9 | 100 - 80 | L3x3x1/4 | 9.43 | 8.95 | 181.3 K=1.00 | 1.44 | -9.46 | 12.53 | 0.755 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 $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|------------------|---------|----------------------|-----------------|----------------------|---------------------|----------------------|---------------------------------|
| T10 | 80 - 60 | L3x3x1/4 | 10.30 | 9.81 | 198.9 K=1.00 | 1.44 | -6.34 | 10.41 | 0.609 ¹ |
| T11 | 60 - 40 | L3 1/2x3 1/2x1/4 | 11.18 | 10.65 | 184.1 K=1.00 | 1.69 | -7.07 | 14.26 | 0.496 ¹ |
| T12 | 40 - 20 | L3 1/2x3 1/2x1/4 | 12.08 | 11.56 | 199.8 K=1.00 | 1.69 | -7.73 | 12.11 | 0.638 ¹ |
| T13 | 20 - 0 | L4x4x1/4 | 13.00 | 12.48 | 188.3 K=1.00 | 1.94 | -8.31 | 15.66 | 0.531 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 | 255 - 240 | 1 | 4.00 | 3.88 | 130.2 K=0.70 | 0.79 | -2.15 | 10.42 | 0.206 ¹ |
| T5 | 180 - 160 | L2x2x3/16 | 9.63 | 4.53 | 138.0 K=1.00 | 0.71 | -4.68 | 10.74 | 0.436 ¹ |
| T6 | 160 - 140 | L2x2x3/16 | 11.13 | 5.27 | 160.5 K=1.00 | 0.71 | -5.26 | 7.94 | 0.662 ¹ |
| T7 | 140 - 120 | L2 1/2x2 1/2x3/16 | 12.63 | 6.01 | 145.7 K=1.00 | 0.90 | -5.74 | 12.16 | 0.472 ¹ |
| T8 | 120 - 100 | L2 1/2x2 1/2x3/16 | 14.13 | 6.76 | 163.9 K=1.00 | 0.90 | -6.44 | 9.61 | 0.670 ¹ |
| T9 | 100 - 80 | L2 1/2x2 1/2x3/16 | 15.63 | 7.50 | 181.8 K=1.00 | 0.90 | -6.81 | 7.81 | 0.872 ¹ |
| T10 | 80 - 60 | L3x3x3/16 | 17.50 | 8.44 | 169.9 K=1.00 | 1.09 | -7.32 | 10.81 | 0.677 ¹ |
| T11 | 60 - 40 | L3x3x1/4 | 19.50 | 9.41 | 190.7 K=1.00 | 1.44 | -7.74 | 11.34 | 0.682 ¹ |
| T12 | 40 - 20 | L3x3x1/4 | 21.50 | 10.41 | 210.9 K=1.00 | 1.44 | -8.17 | 9.26 | 0.882 ¹ |
| T13 | 20 - 0 | L3 1/2x3 1/2x1/4 | 23.50 | 11.41 | 197.2 K=1.00 | 1.69 | -8.60 | 12.44 | 0.692 ¹ |

¹ P_u / φP_n controls

Secondary 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 | 255 - 240 | 1 | 2.00 | 1.94 | 83.9 K=0.90 | 0.79 | -0.00 | 17.56 | 0.000 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 $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|------|---------|----------------------|------|----------------------|---------------------|----------------------|---------------------------------|
| | | | | | | | | | ✓ |

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-----------|---------|----------------------|-----------------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 1/8 | 4.00 | 3.88 | 115.7 K=0.70 | 0.99 | -0.15 | 15.91 | 0.009 ¹ |
| T2 | 240 - 220 | L2x2x3/16 | 4.00 | 3.52 | 113.6 K=1.06 | 0.71 | -1.23 | 15.29 | 0.080 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 | 255 - 240 | 1 | 4.00 | 3.88 | 130.2 K=0.70 | 0.79 | -2.39 | 10.42 | 0.230 ¹ |

¹ P_u / φP_n controls

Tension Checks

Leg Design Data (Tension)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------|---------|----------------------|-------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 1/2 | 15.00 | 0.38 | 12.0 | 1.77 | 20.03 | 79.52 | 0.252 ¹ |
| T2 | 240 - 220 | 2 1/4 | 20.02 | 5.00 | 106.8 | 3.98 | 67.03 | 178.92 | 0.375 ¹ |
| T3 | 220 - 200 | 2 3/4 | 20.02 | 5.00 | 87.4 | 5.94 | 126.60 | 267.28 | 0.474 ¹ |
| T4 | 200 - 180 | 3 | 20.02 | 5.00 | 80.1 | 7.07 | 179.77 | 318.09 | 0.565 ¹ |
| T5 | 180 - 160 | 3 1/4 | 20.02 | 5.00 | 73.9 | 8.30 | 218.41 | 373.31 | 0.585 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 $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------|---------|----------------------|------|----------------------|---------------------|----------------------|---------------------------------|
| T6 | 160 - 140 | 3 1/2 | 20.02 | 5.00 | 68.6 | 9.62 | 257.24 | 432.95 | 0.594 ¹ |
| T7 | 140 - 120 | 3 3/4 | 20.02 | 5.00 | 64.1 | 11.04 | 292.85 | 497.01 | 0.589 ¹ |
| T8 | 120 - 100 | 3 3/4 | 20.02 | 5.00 | 64.1 | 11.04 | 326.37 | 497.01 | 0.657 ¹ |
| T9 | 100 - 80 | 4 | 20.02 | 5.00 | 60.1 | 12.57 | 358.18 | 565.49 | 0.633 ¹ |
| T10 | 80 - 60 | 4 | 20.03 | 5.01 | 60.1 | 12.57 | 381.13 | 565.49 | 0.674 ¹ |
| T11 | 60 - 40 | 4 1/4 | 20.03 | 5.01 | 56.6 | 14.19 | 399.77 | 638.38 | 0.626 ¹ |
| T12 | 40 - 20 | 4 1/4 | 20.03 | 5.01 | 56.6 | 14.19 | 418.27 | 638.38 | 0.655 ¹ |
| T13 | 20 - 0 | 4 1/4 | 20.03 | 5.01 | 56.6 | 14.19 | 436.33 | 638.38 | 0.683 ¹ |

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------------------|---------|----------------------|-------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 1/8 | 5.36 | 5.19 | 221.4 | 0.99 | 6.98 | 32.21 | 0.217 ¹ |
| T2 | 240 - 220 | L2x2x3/16 | 7.30 | 3.50 | 71.0 | 0.43 | 7.14 | 18.74 | 0.381 ¹ |
| T3 | 220 - 200 | L2x2x3/16 | 7.86 | 3.76 | 76.0 | 0.43 | 7.03 | 18.74 | 0.375 ¹ |
| T4 | 200 - 180 | L2x2x3/16 | 8.76 | 4.20 | 84.5 | 0.43 | 7.39 | 18.74 | 0.394 ¹ |
| T5 | 180 - 160 | L2 1/2x2 1/2x3/16 | 6.56 | 6.08 | 98.3 | 0.57 | 8.76 | 24.84 | 0.353 ¹ |
| T6 | 160 - 140 | L3x3x3/16 | 7.07 | 6.59 | 87.9 | 0.71 | 8.09 | 30.97 | 0.261 ¹ |
| T7 | 140 - 120 | L3x3x3/16 | 8.20 | 7.71 | 102.3 | 0.71 | 8.03 | 30.97 | 0.259 ¹ |
| T8 | 120 - 100 | L3x3x1/4 | 8.81 | 8.33 | 111.2 | 0.94 | 8.29 | 40.86 | 0.203 ¹ |
| T9 | 100 - 80 | L3x3x1/4 | 9.43 | 8.95 | 119.2 | 0.94 | 8.55 | 40.86 | 0.209 ¹ |
| T10 | 80 - 60 | L3x3x1/4 | 9.86 | 9.38 | 124.8 | 0.94 | 6.13 | 40.86 | 0.150 ¹ |
| T11 | 60 - 40 | L3 1/2x3 1/2x1/4 | 11.18 | 10.65 | 120.9 | 1.10 | 6.52 | 48.00 | 0.136 ¹ |
| T12 | 40 - 20 | L3 1/2x3 1/2x1/4 | 11.63 | 11.10 | 125.9 | 1.10 | 6.99 | 48.00 | 0.146 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 $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|----------|---------|----------------------|-------|----------------------|---------------------|----------------------|---------------------------------|
| T13 | 20 - 0 | L4x4x1/4 | 12.54 | 12.02 | 118.6 | 1.29 | 7.41 | 56.16 | 0.132 ¹ ✓ |

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-------------------|---------|----------------------|-------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 | 4.00 | 3.88 | 186.0 | 0.79 | 2.15 | 25.45 | 0.085 ¹ ✓ |
| T5 | 180 - 160 | L2x2x3/16 | 9.63 | 4.53 | 136.4 | 0.43 | 4.68 | 18.74 | 0.250 ¹ ✓ |
| T6 | 160 - 140 | L2x2x3/16 | 11.13 | 5.27 | 158.0 | 0.43 | 5.26 | 18.74 | 0.281 ¹ ✓ |
| T7 | 140 - 120 | L2 1/2x2 1/2x3/16 | 12.63 | 6.01 | 142.4 | 0.57 | 5.74 | 24.84 | 0.231 ¹ ✓ |
| T8 | 120 - 100 | L2 1/2x2 1/2x3/16 | 14.13 | 6.76 | 159.8 | 0.57 | 6.44 | 24.84 | 0.259 ¹ ✓ |
| T9 | 100 - 80 | L2 1/2x2 1/2x3/16 | 15.63 | 7.50 | 176.9 | 0.57 | 6.81 | 24.84 | 0.274 ¹ ✓ |
| T10 | 80 - 60 | L3x3x3/16 | 17.50 | 8.44 | 164.5 | 0.71 | 7.32 | 30.97 | 0.236 ¹ ✓ |
| T11 | 60 - 40 | L3x3x1/4 | 19.50 | 9.41 | 185.3 | 0.92 | 7.74 | 39.84 | 0.194 ¹ ✓ |
| T12 | 40 - 20 | L3x3x1/4 | 21.50 | 10.41 | 204.6 | 0.92 | 8.17 | 39.84 | 0.205 ¹ ✓ |
| T13 | 20 - 0 | L3 1/2x3 1/2x1/4 | 23.50 | 11.41 | 191.1 | 1.10 | 8.60 | 48.00 | 0.179 ¹ ✓ |

¹ P_u / φP_n controls

Secondary Horizontal Design Data (Tension)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|------|---------|----------------------|------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 | 2.00 | 1.94 | 93.0 | 0.79 | 0.00 | 25.45 | 0.000 ¹ ✓ |

¹ P_u / φP_n controls

| | | |
|--|--|----------------------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job 255' WSST Tower / Run Q200951 | Page 24 of 25 |
| | Project Steubenville - Site ID KYLEX2036 | Date 12:22:18 12/03/20 |
| | Client Uniti Towers | Designed by WBH |

Top Girt Design Data (Tension)

| Section No. | Elevation ft | Size | L ft | L _u ft | Kl/r | A in ² | P _u K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|-----------|---------|----------------------|-------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 1/8 | 4.00 | 3.88 | 165.3 | 0.99 | 0.14 | 32.21 | 0.004 ¹ |
| T2 | 240 - 220 | L2x2x3/16 | 4.00 | 3.52 | 74.1 | 0.43 | 1.17 | 18.74 | 0.062 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 _n K | φP _n K | Ratio $\frac{P_u}{\phi P_n}$ |
|-------------|-----------------|------|---------|----------------------|-------|----------------------|---------------------|----------------------|---------------------------------|
| T1 | 255 - 240 | 1 | 4.00 | 3.88 | 186.0 | 0.79 | 2.50 | 25.45 | 0.098 ¹ |

¹ P_u / φP_n controls

Section Capacity Table

| Section No. | Elevation ft | Component Type | Size | Critical Element | P K | oP _{allow} K | % Capacity | Pass Fail |
|-------------|-----------------|----------------|-------------------|------------------|---------|--------------------------|------------------|--------------|
| T1 | 255 - 240 | Leg | 1 1/2 | 1 | -17.99 | 30.72 | 58.6 | Pass |
| T2 | 240 - 220 | Leg | 2 1/4 | 36 | -73.06 | 77.75 | 94.0 | Pass |
| T3 | 220 - 200 | Leg | 2 3/4 | 66 | -135.93 | 152.99 | 88.8 | Pass |
| T4 | 200 - 180 | Leg | 3 | 93 | -192.24 | 199.04 | 96.6 | Pass |
| T5 | 180 - 160 | Leg | 3 1/4 | 120 | -233.98 | 250.37 | 93.5 | Pass |
| T6 | 160 - 140 | Leg | 3 1/2 | 153 | -276.90 | 306.80 | 90.3 | Pass |
| T7 | 140 - 120 | Leg | 3 3/4 | 186 | -316.89 | 368.18 | 86.1 | Pass |
| T8 | 120 - 100 | Leg | 3 3/4 | 218 | -355.28 | 368.18 | 96.5 | Pass |
| T9 | 100 - 80 | Leg | 4 | 251 | -392.51 | 434.40 | 90.4 | Pass |
| T10 | 80 - 60 | Leg | 4 | 284 | -421.36 | 434.24 | 97.0 | Pass |
| T11 | 60 - 40 | Leg | 4 1/4 | 317 | -446.17 | 505.22 | 88.3 | Pass |
| T12 | 40 - 20 | Leg | 4 1/4 | 350 | -471.18 | 505.22 | 93.3 | Pass |
| T13 | 20 - 0 | Leg | 4 1/4 | 383 | -496.08 | 505.22 | 98.2 | Pass |
| T1 | 255 - 240 | Diagonal | 1 1/8 | 19 | -6.97 | 9.35 | 74.5 | Pass |
| T2 | 240 - 220 | Diagonal | L2x2x3/16 | 45 | -7.28 | 15.95 | 45.7 | Pass |
| T3 | 220 - 200 | Diagonal | L2x2x3/16 | 69 | -6.89 | 13.40 | 80.3 (b) 51.4 | Pass |
| T4 | 200 - 180 | Diagonal | L2x2x3/16 | 96 | -6.89 | 10.12 | 79.0 (b) 68.0 | Pass |
| T5 | 180 - 160 | Diagonal | L2 1/2x2 1/2x3/16 | 124 | -8.43 | 10.12 | 83.1 (b) 83.3 | Pass |
| T6 | 160 - 140 | Diagonal | L3x3x3/16 | 159 | -8.20 | 15.11 | 54.2 73.0 (b) | Pass |
| T7 | 140 - 120 | Diagonal | L3x3x3/16 | 192 | -8.35 | 12.94 | 64.6 72.4 (b) | Pass |
| T8 | 120 - 100 | Diagonal | L3x3x1/4 | 225 | -8.81 | 14.47 | 60.9 | Pass |

| | | | | |
|--|----------------|----------------------------------|--------------------|-------------------|
| tnxTower World Tower Company 1212 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: (270) 247-0909 | Job | 255' WSST Tower / Run Q200951 | Page | 25 of 25 |
| | Project | Steubenville - Site ID KYLEX2036 | Date | 12:22:18 12/03/20 |
| | Client | Uniti Towers | Designed by | WBH |

| Section No. | Elevation ft | Component Type | Size | Critical Element | P K | σP_{allow} K | % Capacity | Pass Fail | |
|-------------|--------------|----------------------|-------------------|------------------|-------|----------------------|---------------------------|-------------|-------------|
| T9 | 100 - 80 | Diagonal | L3x3x1/4 | 258 | -9.46 | 12.53 | 75.5 | Pass | |
| T10 | 80 - 60 | Diagonal | L3x3x1/4 | 291 | -6.34 | 10.41 | 60.9 | Pass | |
| T11 | 60 - 40 | Diagonal | L3 1/2x3 1/2x1/4 | 324 | -7.07 | 14.26 | 49.6 | Pass | |
| T12 | 40 - 20 | Diagonal | L3 1/2x3 1/2x1/4 | 357 | -7.73 | 12.11 | 63.8 | Pass | |
| T13 | 20 - 0 | Diagonal | L4x4x1/4 | 390 | -8.31 | 15.66 | 53.1 | Pass | |
| T1 | 255 - 240 | Horizontal | 1 | 30 | -2.15 | 10.42 | 20.6 | Pass | |
| T5 | 180 - 160 | Horizontal | L2x2x3/16 | 125 | -4.68 | 10.74 | 43.6 | Pass | |
| | | | | | | | 52.6 (b) | | |
| T6 | 160 - 140 | Horizontal | L2x2x3/16 | 155 | -5.26 | 7.94 | 66.2 | Pass | |
| T7 | 140 - 120 | Horizontal | L2 1/2x2 1/2x3/16 | 188 | -5.74 | 12.16 | 47.2 | Pass | |
| | | | | | | | 52.5 (b) | | |
| T8 | 120 - 100 | Horizontal | L2 1/2x2 1/2x3/16 | 221 | -6.44 | 9.61 | 67.0 | Pass | |
| T9 | 100 - 80 | Horizontal | L2 1/2x2 1/2x3/16 | 254 | -6.81 | 7.81 | 87.2 | Pass | |
| T10 | 80 - 60 | Horizontal | L3x3x3/16 | 287 | -7.32 | 10.81 | 67.7 | Pass | |
| T11 | 60 - 40 | Horizontal | L3x3x1/4 | 320 | -7.74 | 11.34 | 68.2 | Pass | |
| T12 | 40 - 20 | Horizontal | L3x3x1/4 | 353 | -8.17 | 9.26 | 88.2 | Pass | |
| T13 | 20 - 0 | Horizontal | L3 1/2x3 1/2x1/4 | 386 | -8.60 | 12.44 | 69.2 | Pass | |
| T1 | 255 - 240 | Secondary Horizontal | 1 | 20 | -0.00 | 17.56 | 0.1 | Pass | |
| T1 | 255 - 240 | Top Girt | 1 1/8 | 4 | -0.15 | 15.91 | 0.9 | Pass | |
| T2 | 240 - 220 | Top Girt | L2x2x3/16 | 38 | -1.23 | 15.29 | 8.0 | Pass | |
| | | | | | | | 13.1 (b) | | |
| T1 | 255 - 240 | Bottom Girt | 1 | 8 | -2.39 | 10.42 | 23.0 | Pass | |
| | | | | | | | Summary | | |
| | | | | | | | Leg (T13) | 98.2 | Pass |
| | | | | | | | Diagonal (T5) | 83.3 | Pass |
| | | | | | | | Horizontal (T12) | 88.2 | Pass |
| | | | | | | | Secondary Horizontal (T1) | 0.1 | Pass |
| | | | | | | | Top Girt (T2) | 13.1 | Pass |
| | | | | | | | Bottom Girt (T1) | 23.0 | Pass |
| | | | | | | | Bolt Checks | 91.3 | Pass |
| | | | | | | | RATING = | 98.2 | Pass |

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.
- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

| Utility ID | Utility Name | Address/City/Contact | Utility Type | Status |
|---------------------------------------|--------------|----------------------|--------------|------------|
| | | | | ▼ Active ▼ |
| <input type="button" value="Search"/> | | | | |

| | Utility ID | Utility Name | Utility Type | Class | City | State |
|-------------------------------------|------------|---|--------------|-------|-----------------|-------|
| <input type="button" value="View"/> | 4111300 | 2600Hz, Inc. dba ZSWITCH | Cellular | D | San Francisco | CA |
| <input type="button" value="View"/> | 4108300 | Air Voice Wireless, LLC | Cellular | B | Bloomfield Hill | MI |
| <input type="button" value="View"/> | 4110650 | Alliant Technologies of KY, L.L.C. | Cellular | D | Morristown | NJ |
| <input type="button" value="View"/> | 4111900 | ALLNETAIR, INC. | Cellular | C | West Palm Beach | FL |
| <input type="button" value="View"/> | 44451184 | Alltel Corporation d/b/a Verizon Wireless | Cellular | A | Lisle | IL |
| <input type="button" value="View"/> | 4110850 | AltaWorx, LLC | Cellular | D | Fairhope | AL |
| <input type="button" value="View"/> | 4107800 | American Broadband and Telecommunications Company | Cellular | D | Toledo | OH |
| <input type="button" value="View"/> | 4108650 | AmeriMex Communications Corp. | Cellular | D | Dunedin | FL |
| <input type="button" value="View"/> | 4105100 | AmeriVision Communications, Inc. d/b/a Affinity 4 | Cellular | D | Virginia Beach | VA |
| <input type="button" value="View"/> | 4110700 | Andrew David Balholm dba Norcell | Cellular | D | Buford | GA |
| <input type="button" value="View"/> | 4105700 | Assurance Wireless USA, L.P. | Cellular | A | Atlanta | GA |
| <input type="button" value="View"/> | 4108600 | BCN Telecom, Inc. | Cellular | D | Morristown | NJ |
| <input type="button" value="View"/> | 4106000 | Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug | Cellular | A | San Diego | CA |
| <input type="button" value="View"/> | 4110550 | Blue Casa Mobile, LLC | Cellular | D | Santa Barbara | CA |
| <input type="button" value="View"/> | 4111050 | BlueBird Communications, LLC | Cellular | D | New York | NY |
| <input type="button" value="View"/> | 4202300 | Bluegrass Wireless, LLC | Cellular | A | Elizabethtown | KY |

| | | | | | | |
|----------------------|----------|---|----------|---|------------------|----|
| View | 4107600 | Boomerang Wireless, LLC | Cellular | D | Hiawatha | IA |
| View | 4105500 | BullsEye Telecom, Inc. | Cellular | D | Southfield | MI |
| View | 4100700 | Cellco Partnership dba Verizon Wireless | Cellular | A | Basking Ridge | NJ |
| View | 4106600 | Cintex Wireless, LLC | Cellular | D | Houston | TX |
| View | 4111150 | Comcast OTR1, LLC | Cellular | C | Phoeniexville | PA |
| View | 4101900 | Consumer Cellular, Incorporated | Cellular | A | Portland | OR |
| View | 4106400 | Credo Mobile, Inc. | Cellular | A | San Francisco | CA |
| View | 4108850 | Cricket Wireless, LLC | Cellular | A | San Antonio | TX |
| View | 4111500 | CSC Wireless, LLC d/b/a Altice Wireless | Cellular | D | Long Island City | NY |
| View | 10640 | Cumberland Cellular Partnership | Cellular | A | Elizabethtown | KY |
| View | 4111650 | DataBytes, Inc. | Cellular | D | Rogers | AR |
| View | 4112000 | DISH Wireless L.L.C. | Cellular | C | Englewood | CO |
| View | 4111200 | Dynalink Communications, Inc. | Cellular | C | Brooklyn | NY |
| View | 4111800 | Earthlink, LLC | Cellular | C | Atlanta | GA |
| View | 4101000 | East Kentucky Network, LLC dba Appalachian Wireless | Cellular | A | Ivel | KY |
| View | 4002300 | Easy Telephone Service Company dba Easy Wireless | Cellular | D | Ocala | FL |
| View | 4109500 | Enhanced Communications Group, LLC | Cellular | D | Bartlesville | OK |
| View | 4110450 | Excellus Communications, LLC | Cellular | D | Chattanooga | TN |
| View | 4105900 | Flash Wireless, LLC | Cellular | C | Concord | NC |
| View | 4104800 | France Telecom Corporate Solutions L.L.C. | Cellular | D | Herndon | VA |
| View | 4111750 | Gabb Wireless, Inc. | Cellular | D | Provo | UT |
| View | 4109350 | Global Connection Inc. of America | Cellular | D | Norcross | GA |
| View | 4102200 | Globalstar USA, LLC | Cellular | B | Covington | LA |
| View | 4112050 | GLOTELL US, Corp. | Cellular | C | Hallandale | FL |
| View | 4109600 | Google North America Inc. | Cellular | A | Mountain View | CA |
| View | 33350363 | Granite Telecommunications, LLC | Cellular | D | Quincy | MA |
| View | 10630 | GTE Wireless of the Midwest dba Verizon Wireless | Cellular | A | Basking Ridge | NJ |
| View | 4111350 | HELLO MOBILE TELECOM LLC | Cellular | D | Dania Beach | FL |
| View | 4103100 | i-Wireless, LLC | Cellular | B | Newport | KY |
| View | 4109800 | IM Telecom, LLC d/b/a Infiniti Mobile | Cellular | D | Dallas | TX |
| View | 4111950 | J Rhodes Enterprises LLC | Cellular | C | 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 | 10680 | Kentucky RSA #3 Cellular General | Cellular | A | Elizabethtown | KY |

| | | | | | |
|----------------------|----------|---|------------|-------------------|----|
| View | 10681 | Kentucky RSA #4 Cellular General | Cellular A | Elizabethtown | KY |
| View | 4109550 | Kynect Communications, LLC | Cellular D | Dallas | TX |
| View | 4112200 | Lexvor Inc. | Cellular C | Irvine | CA |
| View | 4111250 | Liberty Mobile Wireless, LLC | Cellular D | Sunny Isles Beach | FL |
| View | 4111400 | Locus Telecommunications, LLC | Cellular A | Fort Lee | NJ |
| View | 4107300 | Lycamobile USA, Inc. | Cellular D | Newark | NJ |
| View | 4108800 | MetroPCS Michigan, LLC | Cellular A | Bellevue | WA |
| View | 4111700 | Mint Mobile, LLC | Cellular D | Costa Mesa | CA |
| View | 4109650 | Mitel Cloud Services, Inc. | Cellular D | Mesa | AZ |
| View | 4111850 | Mobi, Inc. | Cellular C | Honolulu | HI |
| View | 4202400 | New Cingular Wireless PCS, LLC dba AT&T Mobility, PCS | Cellular A | San Antonio | TX |
| View | 4000800 | Nextel West Corporation | Cellular D | Overland Park | KS |
| View | 4001300 | NPCR, Inc. dba Nextel Partners | Cellular D | Overland Park | KS |
| View | 4001800 | OnStar, LLC | Cellular A | Detroit | MI |
| View | 4110750 | Onvoy Spectrum, LLC | Cellular D | Chicago | IL |
| View | 4109050 | Patriot Mobile LLC | Cellular D | Irving | TX |
| View | 4110250 | Plintron Technologies USA LLC | Cellular D | Bellevue | WA |
| View | 33351182 | PNG Telecommunications, Inc. dba PowerNet Global Communications | Cellular D | Cincinnati | OH |
| View | 4107700 | Puretalk Holdings, LLC | Cellular A | Covington | GA |
| View | 4106700 | Q Link Wireless, LLC | Cellular A | Dania | FL |
| View | 4108700 | Ready Wireless, LLC | Cellular C | Hiawatha | IA |
| View | 4110500 | Republic Wireless, Inc. | Cellular A | Raleigh | NC |
| View | 4106200 | Rural Cellular Corporation | Cellular A | Basking Ridge | NJ |
| View | 4108550 | Sage Telecom Communications, LLC dba TruConnect | Cellular D | Los Angeles | CA |
| View | 4109150 | SelecTel, Inc. d/b/a SelecTel Wireless | Cellular D | Fremont | NE |
| View | 4110150 | Spectrotel of the South LLC dba Touch Base Communications | Cellular D | Neptune | NJ |
| View | 4111450 | Spectrum Mobile, LLC | Cellular A | St. Louis | MO |
| View | 4200100 | Sprint Spectrum, L.P. | Cellular A | Atlanta | GA |
| View | 4200500 | SprintCom, Inc. | Cellular A | Atlanta | GA |
| View | 4111600 | STX Group LLC dba Twigby | Cellular D | Murfreesboro | TN |
| View | 4110200 | T C Telephone LLC d/b/a Horizon Cellular | Cellular D | Red Bluff | CA |
| View | 4202200 | T-Mobile Central, LLC dba T-Mobile | Cellular A | Bellevue | WA |
| View | 4002500 | TAG Mobile, LLC | Cellular D | Plano | TX |
| View | 4109700 | Telecom Management, Inc. dba Pioneer Telephone | Cellular D | Portland | ME |

| | | | | | | |
|----------------------|---------|--------------------------------|----------|---|---------------|----|
| View | 4107200 | Telefonica USA, Inc. | Cellular | D | Miami | FL |
| View | 4112100 | Tello LLC | Cellular | C | Atlanta | GA |
| View | 4108900 | Telrite Corporation | Cellular | D | Covington | GA |
| View | 4108450 | Tempo Telecom, LLC | Cellular | B | Atlanta | GA |
| View | 4109000 | Ting, Inc. | Cellular | A | Toronto | ON |
| View | 4110400 | Torch Wireless Corp. | Cellular | D | Jacksonville | FL |
| View | 4103300 | Touchtone Communications, Inc. | Cellular | D | Whippany | NJ |
| View | 4104200 | TracFone Wireless, Inc. | Cellular | D | Miami | FL |
| View | 4002000 | Truphone, Inc. | Cellular | D | Durham | NC |
| View | 4110300 | UVNV, Inc. d/b/a Mint Mobile | Cellular | D | Costa Mesa | CA |
| View | 4110800 | Visible Service LLC | Cellular | D | Basking Ridge | NJ |
| View | 4106500 | WiMacTel, Inc. | Cellular | D | Palo Alto | CA |
| View | 4110950 | Wing Tel Inc. | Cellular | D | New York | NY |
| View | 4112150 | Zefcom, LLC | Cellular | C | Wichita Falls | TX |

EXHIBIT E
FAA



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

Aeronautical Study No.
 2020-ASO-9446-OE

Issued Date: 04/17/2020

Kristy Hurst
 B+T Group Holdings, Inc.
 1717 S. Boulder Ave.
 Suite 300
 Tulsa, OK 74119

**** 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 KYLEX2036 Stuebenville
 Location: Monticello, KY
 Latitude: 36-53-51.30N NAD 83
 Longitude: 84-47-05.90W
 Heights: 1136 feet site elevation (SE)
 267 feet above ground level (AGL)
 1403 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

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)

This determination expires on 10/17/2021 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, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

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

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

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

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

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-ASO-9446-OE.

Signature Control No: 435296589-436836888
Angelique Eersteling
Technician

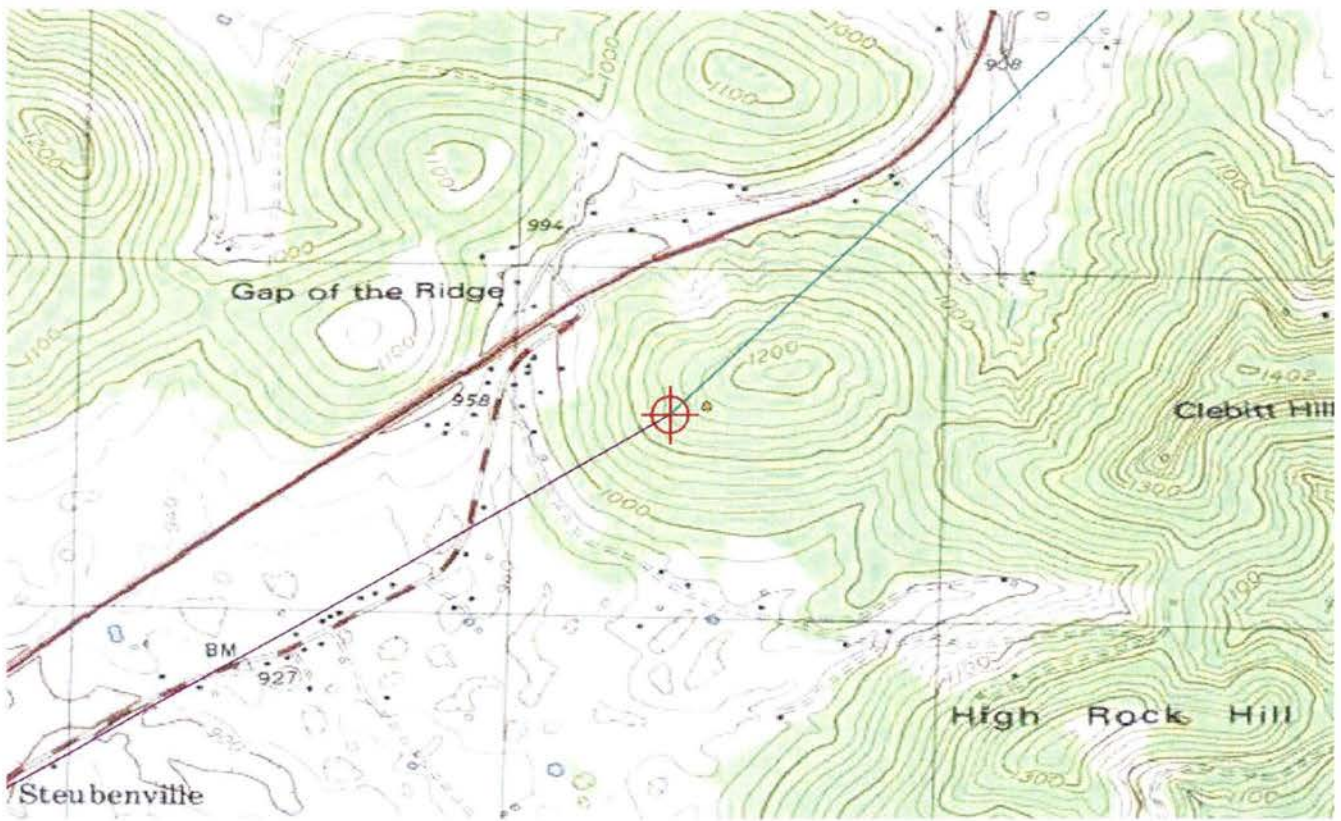
(DNE)

Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2020-ASO-9446-OE

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



TOPO Map for ASN 2020-ASO-9446-OE

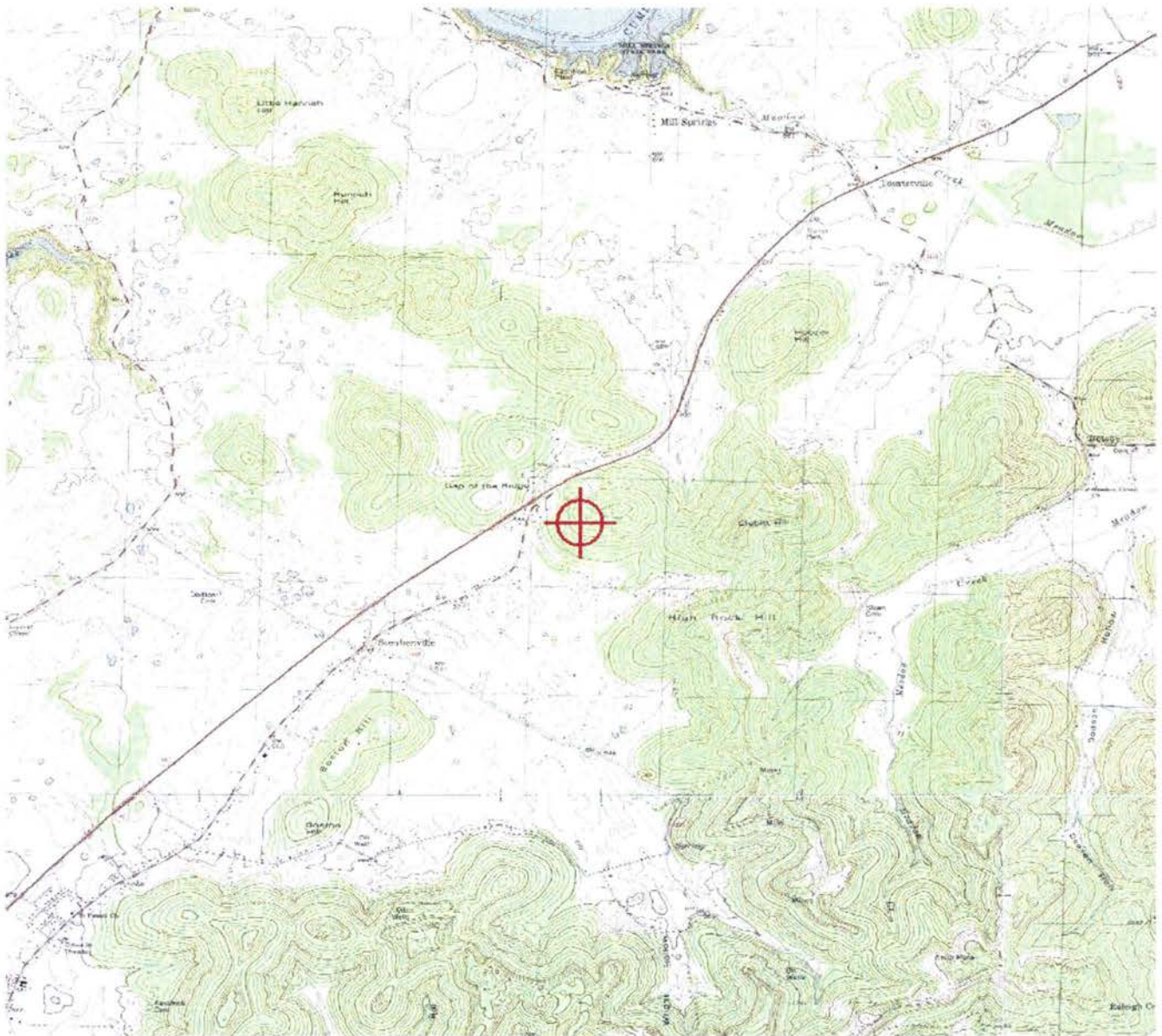


EXHIBIT F
KENTUCKY AIRPORT ZONING COMMISSION



KENTUCKY AIRPORT ZONING COMMISSION

Office of Audits, 200 Mero Street, 4th floor
Frankfort, KY 40622
www.transportation.ky.gov
502-782-4043

ANDY BESHEAR
Governor

APPROVAL OF APPLICATION

August 13, 2020

APPLICANT

Uniti Towers
B&T Group - Patricia Parr
10802 Executive Center Dr. Ste 300
Little Rock, AR 72211

SUBJECT: AS-WAYNE-EKQ-2020-103

STRUCTURE: Antenna Tower
LOCATION: Monticello, KY
COORDINATES: 36° 53' 51.3" N / 84° 47' 5.9" W
HEIGHT: 267' AGL/1403' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 267' AGL/1403' AMSL Antenna Tower near Monticello, KY 36° 53' 51.3" N / 84° 47' 5.9" W.

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.

Dual - Red & Medium Intensity White Obstruction Lighting Required

Randall S. Royer

Randall S. Royer, Executive Director
Office of Audits
Acting Administrator
Randall.Royer@ky.gov
Jason.Salazar-Munoz@ky.gov



An Equal Opportunity Employer M/F/D

EXHIBIT G
GEOTECHNICAL REPORT



GEOTECHNICAL INVESTIGATION REPORT

November 11, 2020

Prepared For:

B+T Group



**Steubenville
KYLEX2036**

Proposed 255-Foot Self-Supporting Tower

Arlie Piercy Road, Steubenville (Wayne County), Kentucky 42633
Latitude N 36° 53' 51.3" Longitude W 84° 47' 05.9"

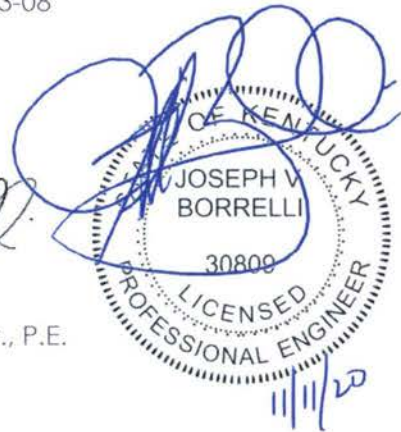
Delta Oaks Group Project GEO20-07383-08
Revision 0
geotech@deltaoaksgroup.com

Performed By:

Justin Brosseau, E.I.

Reviewed By:

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





INTRODUCTION

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

SITE CONDITION SUMMARY

The proposed tower and compound are located on a heavily vegetated field adjacent to a heavily wooded lot exhibiting a gradually sloping topography from the northeast to southwest across the tower compound and subject property.

REFERENCES

- Survey Drawings, prepared by Point to Point Land Surveyors, dated February 4, 2020
- TIA Standard (TIA-222-G), dated August 2005

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of one mechanical soil test boring to the auger refusal depth of 0.0 feet bgs. An additional mechanical soil test boring was performed 5.0 feet southward to confirm auger refusal. Samples were obtained at selected intervals in accordance with ASTM D 1586. The sampling was conducted at the staked centerline of the proposed tower. Upon encountering auger refusal 5.0 feet of rock coring was conducted in accordance with ASTM D 2113. Soil and rock samples were transported to our laboratory and classified by a geotechnical engineer in accordance with ASTM D 2487. A detailed breakdown of the material encountered in our subsurface field investigation can be found in the boring log presented in the Appendix of this report.

Additional testing was performed on selected samples in accordance with ASTM D 7012 (Unconfined Compressive Strength – Rock). Laboratory data can be found in the Appendix of this report.

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



SUBSURFACE CONDITION SUMMARY

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

FILL

Fill material was not encountered during the subsurface field investigation.

SOIL

Residual soil was not encountered in the subsurface field investigation.

Auger advancement refusal was encountered during the subsurface field investigation at the ground surface.

ROCK

Rock was encountered during the subsurface investigation at the ground surface. The rock can be described as highly to moderately fractured, slightly weathered, hard limestone.

SUBSURFACE WATER

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

FROST PENETRATION

The frost penetration depth for Wayne County, Kentucky is 30 inches (2.5 feet).

CORROSIVITY

Due to the presence of bedrock at the ground surface, soil resistivity could not be performed.



FOUNDATION DESIGN SUMMARY

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

GENERAL SUBSURFACE STRENGTH PARAMETERS

| Boring | Depth (bgs) | USCS | Moist/Buoyant Unit Weight (pcf) | Phi Angle (degrees) | Cohesion (psf) |
|--------|-------------|-----------|---------------------------------|---------------------|----------------|
| B-1 | 0.0 – 5.0 | LIMESTONE | 140 | 0 | 12,000 |

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



SUBSURFACE STRENGTH PARAMETERS – SHALLOW FOUNDATION

| Boring | Dimensions (feet) | Depth (feet bgs) | Net Ultimate Bearing Capacity (psf) |
|--------|------------------------|----------------------------|-------------------------------------|
| B-1 | Greater than 5.0 x 5.0 | 3.0 or Entirely on Bedrock | 30,000 |

- Delta Oaks Group recommends the foundation bear a minimum of 3.0 feet bgs.
- A sliding friction factor of 0.35 can be utilized along the base of the proposed foundation.
- The bearing capacity can be increased by 1/3 for transient loading.
- An Ultimate Passive Pressure Table with a reduction due to frost penetration to a depth of 2.5 feet bgs is presented on the following page.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION

| Soil Layers (feet) | | Moist Unit Weight | Phi Angle | Cohesion | PV | KP | Ph |
|--------------------|-------|-------------------|-----------|----------|---------|------|----------|
| Top | 0.0 | 140 | 0 | 12000 | 0.00 | 1.00 | 12000.00 |
| Bottom | 2.5 | 140 | 0 | 12000 | 350.00 | 1.00 | 12175.00 |
| Top | 2.5 | 140 | 0 | 12000 | 350.00 | 1.00 | 24350.00 |
| Bottom | 10.0* | 140 | 0 | 12000 | 1400.00 | 1.00 | 25400.00 |

* Soil properties assumed similar below auger refusal depth for design purposes.



SUBSURFACE STRENGTH PARAMETERS – ROCK ANCHORS

| Boring | Depth (bgs) | Rock Type | Ultimate Grout to Ground Bond Strength (psi) |
|--------|-------------|-----------|--|
| B-1 | 0.0 – 5.0 | LIMESTONE | 200 |

- The rock anchor design should extend into competent rock and have an adequate embedment length to resist the applied loads.
- Group effects can contribute to a reduction in resistance for the rock anchors and should be taken into consideration during foundation design.
- Delta Oaks Group recommends an appropriate factor of safety be utilized and the appropriate manufacturer recommendations be followed for the design of the rock anchors.



SUBSURFACE STRENGTH PARAMETERS – SUPPORT STRUCTURE FOUNDATION

| Boring | Depth (bgs) | Net Ultimate Bearing Capacity (psf) | Minimum Design Footing Width (ft) | Modulus of Subgrade Reaction (pci) |
|--------|----------------------------|-------------------------------------|-----------------------------------|------------------------------------|
| B-1 | 2.0 or Entirely on Bedrock | 15,000 | 2.0 | 2,400 |

- Delta Oaks Group recommends utilizing a slab on grade in conjunction with continuous perimeter footings that bear on residual soil or properly compacted structural fill placed in accordance with the recommendations provided in the *CONSTRUCTION* section of this report.
- The slab on grade should be properly reinforced to prevent concrete cracking and shrinkage.
- The foundation should bear a minimum of 2.0 feet bgs.
- A sliding friction factor of 0.35 can be utilized along the base of the proposed foundation.
- An Ultimate Passive Pressure Table is presented on the following page. An appropriate reduction should be considered in accordance with local building code frost penetration depth.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



ULTIMATE PASSIVE PRESSURE VS. DEPTH – SUPPORT STRUCTURE FOUNDATION

| Soil Layers (feet) | | Moist Unit Weight | Phi Angle | Cohesion | PV | KP | Ph |
|--------------------|-------|-------------------|-----------|----------|---------|------|----------|
| Top | 0.0 | 140 | 0 | 12000 | 0.00 | 1.00 | 12000.00 |
| Bottom | 2.5 | 140 | 0 | 12000 | 350.00 | 1.00 | 12175.00 |
| Top | 2.5 | 140 | 0 | 12000 | 350.00 | 1.00 | 24350.00 |
| Bottom | 10.0* | 140 | 0 | 12000 | 1400.00 | 1.00 | 25400.00 |

* Soil properties assumed similar below auger refusal depth for design purposes.



CONSTRUCTION

SITE DEVELOPMENT

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

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

STRUCTURAL FILL PLACEMENT

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

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

SHALLOW FOUNDATIONS

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



DRILLED SHAFT FOUNDATIONS

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

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

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

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



QUALIFICATIONS

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

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

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

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



APPENDIX

BORING PLAN



EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at the Wayne County Judge Executive's Office, located at 55 North Main Street, Suite 103, Monticello, KY 42633, head northeast (toward Michigan Avenue) on N. Main Street and travel 108 feet.
2. Continue straight onto N. Main Street and travel approximately 1.5 miles.
3. Continue onto State Hwy 90 Bus and travel approximately 312 feet.
4. Turn right onto Hardwood Drive and travel approximately 184 feet.
5. Continued onto Old Hwy 90 / State Hwy 3106 and travel approximately 4.5 miles.
6. Turn right onto Arlie Piercy Road and travel approximately 0.1 miles.
7. The site is located on the right at 152 Arlie Piercy Road, Monticello, KY 42633.
8. The site coordinates are:
 - a. North 36 deg 53 min 51.27 sec
 - b. West 84 deg 47 min 05.92 sec



Prepared by:
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Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I
COPY OF REAL ESTATE AGREEMENT

OPTION AND LEASE AGREEMENT

THIS OPTION AND LEASE AGREEMENT ("**Agreement**"), dated as of the latter of the signature dates below (the "**Effective Date**"), is entered into by Anthony Reynolds, a single man, having a mailing address of 150 Arlie Piercy Rd. Monticello, KY 42633, ("**Landlord**") and Uniti Towers LLC, a Delaware limited liability company having a mailing address of 10802 Executive Center Drive, Benton Building, Suite 300, Little Rock AR 72211 ("**Tenant**").

BACKGROUND

Landlord owns or controls that certain plot, parcel or tract of land, as described on **Exhibit 1**, together with all rights and privileges arising in connection therewith, located at 152 Arlie Piercy Rd., in the City/Town of Monticello, County of Wayne, State of Kentucky (collectively, the "**Property**"). Landlord desires to grant to Tenant the right to use a portion of the Property in accordance with this Agreement.

The parties agree as follows:

1. OPTION TO LEASE.

(a) Landlord grants to Tenant an exclusive option (the "**Option**") to lease a certain portion of the Property containing approximately 10,000 square feet including the air space above such ground space, as described on attached **Exhibit 1**, (the "**Premises**"), for the placement of a Communication Facility.

(b) During the Option Term, and during the Term, Tenant and its agents, engineers, surveyors and other representatives will have the right to enter upon the Property to inspect, examine, conduct soil borings, drainage testing, material sampling, radio frequency testing and other geological or engineering tests or studies of the Property (collectively, the "**Tests**"), to apply for and obtain licenses, permits, approvals, or other relief required of or deemed necessary or appropriate at Tenant's sole discretion for its use of the Premises and include, without limitation, applications for zoning variances, zoning ordinances, amendments, special use permits, and construction permits (collectively, the "**Government Approvals**"), initiate the ordering and/or scheduling of necessary utilities, and otherwise to do those things on or off the Property that, in the opinion of Tenant, are necessary in Tenant's sole discretion to determine the physical condition of the Property, the environmental history of the Property, Landlord's title to the Property and the feasibility or suitability of the Property for Tenant's Permitted Use, all at Tenant's expense. Tenant will not be liable to Landlord or any third party on account of any pre-existing defect or condition on or with respect to the Property, whether or not such defect or condition is disclosed by Tenant's inspection. Tenant will restore the Property to its condition as it existed at the commencement of the Option Term, reasonable wear and tear and loss by casualty or other causes beyond Tenant's control excepted.

(c) In consideration of Landlord granting Tenant the Option, Tenant agrees to pay Landlord the sum of [REDACTED] within thirty (30) business days after the Effective Date. The Option may be exercised during an initial term of one (1) year commencing on the Effective Date (the "**Initial Option Term**") which term may be renewed by Tenant for an additional one (1) year (the "**Renewal Option Term**") upon written notification to Landlord and the payment of an additional [REDACTED] no later than five (5) days prior to the expiration date of the Initial Option Term. The Initial Option Term and any Renewal Option Term are collectively referred to as the "**Option Term**."

(d) The Option may be sold, assigned or transferred at any time by Tenant without the written consent of Landlord. Upon notification to Landlord of such sale, assignment, or transfer, Tenant shall immediately be released from any and all liability under this Agreement, including the payment of any rental or other sums due, without any further action.

(e) During the Option Term, Tenant may exercise the Option by notifying Landlord in writing. If Tenant exercises the Option, then Landlord leases the Premises to Tenant subject to the terms and conditions of this Agreement. If Tenant does not exercise the Option during the Initial Option Term or any extension thereof, this Agreement will terminate, and the parties will have no further liability to each other.

(f) If during the Option Term, or during the Term if the Option is exercised, Landlord decides to subdivide, sell, or change the status of the zoning of the Premises, Property or any of Landlord's contiguous, adjoining or surrounding property (the "**Surrounding Property**,") or in the event of a threatened foreclosure, Landlord shall immediately notify Tenant in writing. Landlord agrees that during the Option Term, or during the Term if the Option is exercised, Landlord shall not initiate or consent to any change in the zoning of the Premises, Property or Surrounding Property or impose or consent to any other use or restriction that would prevent or limit Tenant from using the Premises for the Permitted Use. Any and all terms and conditions of this Agreement that by their sense and context are intended to be applicable during the Option Term shall be so applicable.

2. **PERMITTED USE.** Tenant may use the Premises for the transmission and reception of communications signals and the installation, construction, maintenance, operation, repair, replacement and upgrade of communications fixtures and related equipment, cables, accessories and improvements, which may include a suitable support structure ("**Structure**"), associated antennas, equipment shelters or cabinets and fencing and any other items necessary to the successful and secure use of the Premises (collectively, the "**Communication Facility**"), as well as the right to test, survey and review title on the Property; Tenant further has the right but not the obligation to add, modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including, but not limited to, emergency 911 communication services, at no additional cost to Tenant or Landlord (collectively, the "**Permitted Use**"). Landlord and Tenant agree that any portion of the Communication Facility that may be conceptually described on **Exhibit 1** will not be deemed to limit Tenant's Permitted Use. If **Exhibit 1** includes drawings of the initial installation of the Communication Facility, Landlord's execution of this Agreement will signify Landlord's approval of **Exhibit 1**. For a period of ninety (90) days following the start of construction, Landlord grants Tenant, its subtenants, licensees and sublicensees, the right to use such portions of the **Surrounding Property** as may reasonably be required during construction and installation of the Communication Facility. Tenant has the right to install and operate transmission cables from the equipment shelter or cabinet to the antennas, electric lines from the main feed to the equipment shelter or cabinet and communication lines from the Property's main entry point to the equipment shelter or cabinet, install a generator and to make other improvements, alterations, upgrades or additions appropriate for Tenant's Permitted Use including the right to construct a fence around the Premises or equipment, install warning signs to make individuals aware of risks, install protective barriers, install any other control measures reasonably required by Tenant's safety procedures or applicable law, and undertake any other appropriate means to secure the Premises or equipment at Tenant's expense. Tenant has the right to modify, supplement, replace, upgrade, expand the Communication Facility (including, for example, increasing the number of antennas or adding microwave dishes) or relocate the Communication Facility within the Premises at any time during the Term. Tenant will be allowed to make such alterations to the Property in order to ensure that the Communication Facility complies with all applicable federal, state or local laws, rules or regulations. In the event Tenant desires to modify or upgrade the Communication Facility, in a manner that requires an additional portion of the Property (the "**Additional Premises**") for such modification or upgrade, Landlord agrees to lease to Tenant the Additional Premises, upon the same terms and conditions set forth herein, except that the Rent shall increase, in conjunction with the lease of the Additional Premises by the amount equivalent to the then-current per square foot rental rate charged by Landlord to Tenant times the square footage of the Additional Premises. Landlord agrees to take such actions and enter into and deliver to Tenant such documents as Tenant reasonably requests in order to effect and memorialize the lease of the Additional Premises to Tenant.

3. **TERM.**

(a) The initial lease term will be five (5) years (the "**Initial Term**"), commencing on the effective date of written notification by Tenant to Landlord of Tenant's exercise of the Option (the "**Term Commencement Date**"). The Initial Term will terminate on the fifth (5th) anniversary of the Term Commencement Date.

(b) This Agreement will automatically renew for seventeen (17) additional five (5) year term(s) (each additional five (5) year term shall be defined as an "**Extension Term**"), upon the same terms and

conditions set forth herein unless Tenant notifies Landlord in writing of Tenant's intention not to renew this Agreement at least sixty (60) days prior to the expiration of the Initial Term or then-existing Extension Term.

(c) Unless (i) Landlord or Tenant notifies the other in writing of its intention to terminate this Agreement at least six (6) months prior to the expiration of the final Extension Term, or (ii) the Agreement is terminated as otherwise permitted by this Agreement prior to the end of the final Extension Term, this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of one (1) year, and for annual terms thereafter ("**Annual Term**") until terminated by either party by giving to the other party written notice of its intention to so terminate at least six (6) months prior to the end of any such Annual Term. Monthly rent during such Annual Terms shall be [REDACTED]

[REDACTED] If Tenant remains in possession of the Premises after the termination of this Agreement, then Tenant will be deemed to be occupying the Premises on a month-to-month basis (the "**Holdover Term**"), subject to the terms and conditions of this Agreement.

(d) The Initial Term, any Extension Terms, any Annual Terms and any Holdover Term are collectively referred to as the "**Term**".

4. RENT.

(a) Commencing on the first day of the month following the date that Tenant commences construction (the "**Rent Commencement Date**"), Tenant will pay Landlord on or before the fifth (5th) day of each calendar month in advance, [REDACTED] (the "**Rent**"), at the address set forth above. In any partial month occurring after the Rent Commencement Date, Rent will be prorated. The initial Rent payment will be forwarded by Tenant to Landlord within forty-five (45) days after the Rent Commencement Date.

(b) In the first year of an Extension Term, the monthly Rent will increase by [REDACTED] over the Rent paid during the previous five (5) year term, effective the first day of the month in which the anniversary of the Term Commencement Date occurs.

(c) All charges payable under this Agreement such as utilities and taxes shall be billed by Landlord within one (1) year from the end of the calendar year in which the charges were incurred; any charges beyond such period shall not be billed by Landlord, and shall not be payable by Tenant. The foregoing shall not apply to monthly Rent which is due and payable without a requirement that it be billed by Landlord. The provisions of this subsection shall survive the termination or expiration of this Agreement.

5. APPROVALS.

(a) Landlord agrees that Tenant's ability to use the Premises is contingent upon the suitability of the Premises and Property for the Permitted Use and Tenant's ability to obtain and maintain all Government Approvals. Landlord authorizes Tenant to prepare, execute and file all required applications to obtain Government Approvals for the Permitted Use and agrees to reasonably assist Tenant with such applications and with obtaining and maintaining the Government Approvals.

(b) Tenant has the right to obtain a title report or commitment for a leasehold title policy from a title insurance company of its choice and to have the Property surveyed by a surveyor of its choice.

(c) Tenant may also perform and obtain, at Tenant's sole cost and expense, soil borings, percolation tests, engineering procedures, environmental investigation or other tests or reports on, over, and under the Property, necessary to determine if Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system, design, operations or Government Approvals.

6. TERMINATION. This Agreement may be terminated, without penalty or further liability, as follows:

(a) by either party on thirty (30) days prior written notice, if the other party remains in default under Section 15 of this Agreement after the applicable cure periods;

(b) by Tenant upon written notice to Landlord, if Tenant is unable to obtain, or maintain, any required approval(s) or the issuance of a license or permit by any agency, board, court or other governmental authority necessary for the construction or operation of the Communication Facility as now or hereafter intended by Tenant; or if Tenant determines, in its sole discretion that the cost of or delay in obtaining or retaining the same is commercially unreasonable;

(c) by Tenant, upon written notice to Landlord, if Tenant determines, in its sole discretion, due to the title report results or survey results, that the condition of the Premises is unsatisfactory for its intended uses;

(d) by Tenant upon written notice to Landlord for any reason or no reason, at any time prior to commencement of construction by Tenant; or

(e) by Tenant upon sixty (60) days' prior written notice to Landlord for any reason or no reason, so long as Tenant pays Landlord a termination fee [REDACTED] provided, however, that no such termination fee will be payable on account of the termination of this Agreement by Tenant under any termination provision contained in any other Section of this Agreement, including the following: Section 5 Approvals, Section 6(a) Termination, Section 6(b) Termination, Section 6(c) Termination, Section 6(d) Termination, Section 11(d) Environmental, Section 18 Condemnation or Section 19 Casualty.

7. **INSURANCE.** During the Option Term and throughout the Term, Tenant will purchase and maintain in full force and effect such general liability policy as Tenant may deem necessary. Said policy of general liability insurance will at a minimum provide a combined single limit of [REDACTED] [REDACTED] Notwithstanding the foregoing, Tenant shall have the right to self-insure such general liability coverage.

8. **INTERFERENCE.**

(a) Prior to or concurrent with the execution of this Agreement, Landlord has provided or will provide Tenant with a list of radio frequency user(s) and frequencies used on the Property as of the Effective Date. Tenant warrants that its use of the Premises will not interfere with those existing radio frequency uses on the Property, as long as the existing radio frequency user(s) operate and continue to operate within their respective frequencies and in accordance with all applicable laws and regulations.

(b) Landlord will not grant, after the Effective Date, a lease, license or any other right to any third party, if the exercise of such grant may in any way adversely affect or interfere with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will notify Tenant in writing prior to granting any third party the right to install and operate communications equipment on the Property.

(c) Landlord will not, nor will Landlord permit its employees, tenants, licensees, invitees, agents or independent contractors to interfere in any way with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will cause such interference to cease within twenty-four (24) hours after receipt of notice of interference from Tenant. In the event any such interference does not cease within the aforementioned cure period, Landlord shall cease all operations which are suspected of causing interference (except for intermittent testing to determine the cause of such interference) until the interference has been corrected.

(d) For the purposes of this Agreement, "interference" may include, but is not limited to, any use on the Property or Surrounding Property that causes electronic or physical obstruction with, or degradation of, the communications signals from the Communication Facility.

9. **INDEMNIFICATION.**

(a) Tenant agrees to indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or liability, costs or expenses in connection with a third party claim (including reasonable attorneys' fees and court costs) arising directly from the installation, use, maintenance, repair or removal of the Communication Facility or Tenant's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Landlord, its employees, invitees, agents or independent contractors.

(b) Landlord agrees to indemnify, defend and hold Tenant harmless from and against any and all injury, loss, damage or liability, costs or expenses in connection with a third party claim (including reasonable attorneys' fees and court costs) arising directly from the actions or failure to act of Landlord, its employees, invitees agents or independent contractors, or Landlord's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Tenant, its employees, agents or

independent contractors.

(c) The indemnified party: (i) shall promptly provide the indemnifying party with written notice of any claim, demand, lawsuit, or the like for which it seeks indemnification pursuant to this Section and provide the indemnifying party with copies of any demands, notices, summonses, or legal papers received in connection with such claim, demand, lawsuit, or the like; (ii) shall not settle any such claim, demand, lawsuit, or the like without the prior written consent of the indemnifying party; and (iii) shall fully cooperate with the indemnifying party in the defense of the claim, demand, lawsuit, or the like. A delay in notice shall not relieve the indemnifying party of its indemnity obligation, except (1) to the extent the indemnifying party can show it was prejudiced by the delay; and (2) the indemnifying party shall not be liable for any settlement or litigation expenses incurred before the time when notice is given.

10. WARRANTIES.

(a) Each of Tenant and Landlord (to the extent not a natural person) acknowledge and represent that it is duly organized, validly existing and in good standing and has the right, power and authority or capacity, as applicable, to enter into this Agreement and bind itself hereto through the party or individual set forth as signatory for the party below.

(b) Landlord represents, warrants and agrees that: (i) Landlord solely owns the Property as a legal lot in fee simple, or controls the Property by lease or license; (ii) the Property is not and will not be encumbered by any liens, restrictions, mortgages, covenants, conditions, easements, leases, or any other agreements of record or not of record, which would adversely affect Tenant's Permitted Use and enjoyment of the Premises under this Agreement; (iii) as long as Tenant is not in default then Landlord grants to Tenant sole, actual, quiet and peaceful use, enjoyment and possession of the Premises without hindrance or ejection by any persons lawfully claiming under Landlord; (iv) Landlord's 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 Landlord; and (v) if the Property is or becomes encumbered by a deed to secure a debt, mortgage or other security interest, Landlord will provide promptly to Tenant a mutually agreeable subordination, non-disturbance and attornment agreement executed by Landlord and the holder of such security interest in the form attached hereto as **Exhibit 10(b)**.

11. ENVIRONMENTAL.

(a) Landlord represents and warrants, except as may be identified in **Exhibit 11** attached to this Agreement, (i) the Property, as of the Effective Date, is free of hazardous substances, including asbestos-containing materials and lead paint, and (ii) the Property has never been subject to any contamination or hazardous conditions resulting in any environmental investigation, inquiry or remediation. Landlord and Tenant agree that each will be responsible for compliance with any and all applicable governmental laws, rules, statutes, regulations, codes, ordinances, or principles of common law regulating or imposing standards of liability or standards of conduct with regard to protection of the environment or worker health and safety, as may now or at any time hereafter be in effect, to the extent such apply to that party's activity conducted in or on the Property.

(b) Landlord and Tenant agree to hold harmless and indemnify the other from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of the indemnifying party for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding ("**Claims**"), to the extent arising from that party's breach of its obligations or representations under Section 11(a). Landlord agrees to hold harmless and indemnify Tenant from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of Landlord for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any Claims, to the extent arising from subsurface or other contamination of the Property with hazardous substances prior to the Effective Date or from such contamination caused by the acts or omissions of Landlord during the Term. Tenant agrees to hold harmless and indemnify Landlord from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of Tenant for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any Claims, to the extent arising from hazardous substances brought onto the Property by Tenant.

(c) The indemnification provisions contained in this Section 11 specifically include reasonable costs, expenses and fees incurred in connection with any investigation of Property conditions or any clean-up, remediation, removal or restoration work required by any governmental authority. The provisions of this Section 11 will survive the expiration or termination of this Agreement.

(d) In the event Tenant becomes aware of any hazardous materials on the Property, or any environmental, health or safety condition or matter relating to the Property, that, in Tenant's sole determination, renders the condition of the Premises or Property unsuitable for Tenant's use, or if Tenant believes that the leasing or continued leasing of the Premises would expose Tenant to undue risks of liability to a government agency or other third party, Tenant will have the right, in addition to any other rights it may have at law or in equity, to terminate this Agreement upon written notice to Landlord.

12. ACCESS. At all times throughout the Term of this Agreement, and at no additional charge to Tenant, Tenant and its employees, agents, and subcontractors, will have twenty-four (24) hour per day, seven (7) day per week pedestrian and vehicular access ("Access") to and over the Property, from an open and improved public road to the Premises, for the installation, maintenance and operation of the Communication Facility and any utilities serving the Premises. As may be described more fully in **Exhibit 1**, Landlord grants to Tenant an easement for such Access and Landlord agrees to provide to Tenant such codes, keys and other instruments necessary for such Access at no additional cost to Tenant. Upon Tenant's request, Landlord will execute a separate recordable easement evidencing this right. Landlord shall execute a letter granting Tenant Access to the Property substantially in the form attached as **Exhibit 12**; upon Tenant's request, Landlord shall execute additional letters during the Term. Landlord acknowledges that in the event Tenant cannot obtain Access to the Premises, Tenant shall incur significant damage. If Landlord fails to provide the Access granted by this Section 12, such failure shall be a default under this Agreement. In connection with such default, in addition to any other rights or remedies available to Tenant under this Agreement or at law or equity, Landlord shall pay Tenant, as liquidated damages and not as a penalty, [REDACTED] per day in consideration of Tenant's damages until Landlord cures such default. Landlord and Tenant agree that Tenant's damages in the event of a denial of Access are difficult, if not impossible, to ascertain, and the liquidated damages set forth above are a reasonable approximation of such damages.

13. REMOVAL/RESTORATION. All portions of the Communication Facility brought onto the Property by Tenant will be and remain Tenant's personal property and, at Tenant's option, may be removed by Tenant at any time during or after the Term. Landlord covenants and agrees that no part of the Communication Facility constructed, erected or placed on the Premises by Tenant will become, or be considered as being affixed to or a part of, the Property, it being the specific intention of Landlord that all improvements of every kind and nature constructed, erected or placed by Tenant on the Premises will be and remain the property of Tenant and may be removed by Tenant at any time during or after the Term. Tenant will repair any damage to the Property resulting from Tenant's removal activities. Any portions of the Communication Facility that Tenant does not remove within one hundred twenty (120) days after the later of the end of the Term and cessation of Tenant's operations at the Premises shall be deemed abandoned and owned by Landlord. Notwithstanding the foregoing, Tenant will not be responsible for the replacement of any trees, shrubs or other vegetation.

14. MAINTENANCE/UTILITIES.

(a) Tenant will keep and maintain the Premises in good condition, reasonable wear and tear and damage from the elements excepted. Landlord will maintain and repair the Property and access thereto and all areas of the Premises where Tenant does not have exclusive control, in good and tenantable condition, subject to reasonable wear and tear and damage from the elements. Landlord will be responsible for maintenance of landscaping on the Property, including any landscaping installed by Tenant as a condition of this Agreement or any required permit.

(b) Tenant will be responsible for paying on a monthly or quarterly basis all utilities charges for electricity, telephone service or any other utility used or consumed by Tenant on the Premises. In the event Tenant cannot secure its own metered electrical supply, Tenant will have the right, at its own cost and expense,

to sub-meter from Landlord. When sub-metering is required under this Agreement, Landlord will read the meter and provide Tenant with an invoice and usage data on a monthly basis. Tenant shall reimburse Landlord for such utility usage at the same rate charged to Landlord by the utility service provider. Landlord further agrees to provide the usage data and invoice on forms provided by Tenant and to send such forms to such address and/or agent designated by Tenant. Tenant will remit payment within sixty (60) days of receipt of the usage data and required forms. Landlord shall maintain accurate and detailed records of all utility expenses, invoices and payments applicable to Tenant's reimbursement obligations hereunder. Within fifteen (15) days after a request from Tenant, Landlord shall provide copies of such utility billing records to the Tenant in the form of copies of invoices, contracts and cancelled checks. If the utility billing records reflect an overpayment by Tenant, Tenant shall have the right to deduct the amount of such overpayment from any monies due to Landlord from Tenant.

(c) As noted in Section 4(c) above, any utility fee recovery by Landlord is limited to a twelve (12) month period. If Tenant submeters electricity from Landlord, Landlord agrees to give Tenant at least twenty-four (24) hours advance notice of any planned interruptions of said electricity. Landlord acknowledges that Tenant provides a communication service which requires electrical power to operate and must operate twenty-four (24) hours per day, seven (7) days per week. If the interruption is for an extended period of time, in Tenant's reasonable determination, Landlord agrees to allow Tenant the right to bring in a temporary source of power for the duration of the interruption. Landlord will not be responsible for interference with, interruption of or failure, beyond the reasonable control of Landlord, of such services to be furnished or supplied by Landlord.

(d) Tenant will have the right to install utilities, at Tenant's expense, and to improve present utilities on the Property and the Premises. Landlord hereby grants to any service company providing utility or similar services, including electric power and telecommunications, to Tenant an easement over the Property, from an open and improved public road to the Premises, and upon the Premises, for the purpose of constructing, operating and maintaining such lines, wires, circuits, and conduits, associated equipment cabinets and such appurtenances thereto, as such service companies may from time to time require in order to provide such services to the Premises. Upon Tenant's or service company's request, Landlord will execute a separate recordable easement evidencing this grant, at no cost to Tenant or the service company.

15. DEFAULT AND RIGHT TO CURE.

(a) The following will be deemed a default by Tenant and a breach of this Agreement: (i) non-payment of Rent if such Rent remains unpaid for more than thirty (30) days after written notice from Landlord of such failure to pay; or (ii) Tenant's failure to perform any other term or condition under this Agreement within forty-five (45) days after written notice from Landlord specifying the failure. No such failure, however, will be deemed to exist if Tenant has commenced to cure such default within such period and provided that such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Tenant. If Tenant remains in default beyond any applicable cure period, Landlord will have the right to exercise any and all rights and remedies available to it under law and equity.

(b) The following will be deemed a default by Landlord and a breach of this Agreement: (i) Landlord's failure to provide Access to the Premises as required by Section 12 within twenty-four (24) hours after written notice of such failure; (ii) Landlord's failure to cure an interference problem as required by Section 8 within twenty-four (24) hours after written notice of such failure; or (iii) Landlord's failure to perform any term, condition or breach of any warranty or covenant under this Agreement within forty-five (45) days after written notice from Tenant specifying the failure. No such failure, however, will be deemed to exist if Landlord has commenced to cure the default within such period and provided such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Landlord. If Landlord remains in default beyond any applicable cure period, Tenant will have: (i) the right to cure Landlord's default and to deduct the costs of such cure from any monies due to Landlord from Tenant, and (ii) any and all other rights available to it under law and equity.

16. **ASSIGNMENT/SUBLEASE.** Tenant will have the right to assign this Agreement or sublease the Premises and its rights herein, in whole or in part, without Landlord's consent. Upon notification to Landlord of such assignment, Tenant will be relieved of all future performance, liabilities and obligations under this Agreement to the extent of such assignment.

17. **NOTICES.** All notices, requests and demands hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows:

If to Tenant: Uniti Towers LLC
 Attn: Real Estate
 10801 Executive Center Drive
 Shannon Building, Suite 100
 Little Rock AR 72211
 501.458.4724

CC: Uniti Towers LLC
 ATTN: Keith Harvey, Deputy General Counsel
 10802 Executive Center Drive
 Benton Building, Suite 300
 Little Rock AR 72211

For Emergencies: NOC 1-844-398-9716

If to Landlord: Anthony Reynolds
 150 Arlie Piercy Rd.
 Monticello, KY 42633
 Telephone: (606) 307-2625

Either party hereto may change the place for the giving of notice to it by thirty (30) days' prior written notice to the other party as provided herein.

18. **CONDEMNATION.** In the event Landlord receives notification of any condemnation proceedings affecting the Property, Landlord will provide notice of the proceeding to Tenant within twenty-four (24) hours. If a condemning authority takes all of the Property, or a portion sufficient, in Tenant's sole determination, to render the Premises unsuitable for Tenant, this Agreement will terminate as of the date the title vests in the condemning authority. The parties will each be entitled to pursue their own separate awards in the condemnation proceeds, which for Tenant will include, where applicable, the value of its Communication Facility, moving expenses, prepaid Rent, and business dislocation expenses. Tenant will be entitled to reimbursement for any prepaid Rent on a *pro rata* basis.

19. **CASUALTY.** Landlord will provide notice to Tenant of any casualty or other harm affecting the Property within twenty-four (24) hours of the casualty or other harm. If any part of the Communication Facility or Property is damaged by casualty or other harm as to render the Premises unsuitable, in Tenant's sole determination, then Tenant may terminate this Agreement by providing written notice to Landlord, which termination will be effective as of the date of such casualty or other harm. Upon such termination, Tenant will be entitled to collect all insurance proceeds payable to Tenant on account thereof and to be reimbursed for any prepaid Rent on a *pro rata* basis. Landlord agrees to permit Tenant to place temporary transmission and reception facilities on the Property, but only until such time as Tenant is able to activate a replacement transmission facility at another location; notwithstanding the termination of this Agreement, such temporary facilities will be governed by all of the terms and conditions of this Agreement, including Rent. If Landlord or

Tenant undertakes to rebuild or restore the Premises and/or the Communication Facility, as applicable, Landlord agrees to permit Tenant to place temporary transmission and reception facilities on the Property at no additional Rent until the reconstruction of the Premises and/or the Communication Facility is completed. If Landlord determines not to rebuild or restore the Property, Landlord will notify Tenant of such determination within thirty (30) days after the casualty or other harm. If Landlord does not so notify Tenant and Tenant decides not to terminate under this Section, then Landlord will promptly rebuild or restore any portion of the Property interfering with or required for Tenant's Permitted Use of the Premises to substantially the same condition as existed before the casualty or other harm. Landlord agrees that the Rent shall be abated until the Property and/or the Premises are rebuilt or restored, unless Tenant places temporary transmission and reception facilities on the Property.

20. WAIVER OF LANDLORD'S LIENS. Landlord waives any and all lien rights it may have, statutory or otherwise, concerning the Communication Facility or any portion thereof. The Communication Facility shall be deemed personal property for purposes of this Agreement, regardless of whether any portion is deemed real or personal property under applicable law; Landlord consents to Tenant's right to remove all or any portion of the Communication Facility from time to time in Tenant's sole discretion and without Landlord's consent.²¹

(a) Landlord shall be responsible for (i) all taxes and assessments levied upon the lands, improvements and other property of Landlord including any such taxes that may be calculated by a taxing authority using any method, including the income method (ii) all sales, use, license, value added, documentary, stamp, gross receipts, registration, real estate transfer, conveyance, excise, recording, and other similar taxes and fees imposed in connection with this Agreement and (iii) all sales, use, license, value added, documentary, stamp, gross receipts, registration, real estate transfer, conveyance, excise, recording, and other similar taxes and fees imposed in connection with a sale of the Property or assignment of Rent payments by Landlord. Tenant shall be responsible for (y) any taxes and assessments attributable to and levied upon Tenant's leasehold improvements on the Premises if and as set forth in this Section 21 and (z) all sales, use, license, value added, documentary, stamp, gross receipts, registration, real estate transfer, conveyance, excise, recording, and other similar taxes and fees imposed in connection with an assignment of this Agreement or sublease by Tenant. Nothing herein shall require Tenant to pay any inheritance, franchise, income, payroll, excise, privilege, rent, capital stock, stamp, documentary, estate or profit tax, or any tax of similar nature, that is or may be imposed upon Landlord.

(b) In the event Landlord receives a notice of assessment with respect to which taxes or assessments are imposed on Tenant's leasehold improvements on the Premises, Landlord shall provide Tenant with copies of each such notice immediately upon receipt, but in no event later than thirty (30) days after the date of such notice of assessment. If Landlord does not provide such notice or notices to Tenant in a timely manner and Tenant's rights with respect to such taxes are prejudiced by the delay, Landlord shall reimburse Tenant for any increased costs directly resulting from the delay and Landlord shall be responsible for payment of the tax or assessment set forth in the notice, and Landlord shall not have the right to reimbursement of such amount from Tenant. If Landlord provides a notice of assessment to Tenant within such time period and requests reimbursement from Tenant as set forth below, then Tenant shall reimburse Landlord for the tax or assessments identified on the notice of assessment on Tenant's leasehold improvements, which has been paid by Landlord. If Landlord seeks reimbursement from Tenant, Landlord shall, no later than thirty (30) days after Landlord's payment of the taxes or assessments for the assessed tax year, provide Tenant with written notice including evidence that Landlord has timely paid same, and Landlord shall provide to Tenant any other documentation reasonably requested by Tenant to allow Tenant to evaluate the payment and to reimburse Landlord.

(c) For any tax amount for which Tenant is responsible under this Agreement, Tenant shall have the right to contest, in good faith, the validity or the amount thereof using such administrative, appellate or other proceedings as may be appropriate in the jurisdiction, and may defer payment of such obligations, pay same under protest, or take such other steps as permitted by law. This right shall include the ability to institute any legal, regulatory or informal action in the name of Landlord, Tenant, or both, with respect to the valuation of the Premises. Landlord shall cooperate with respect to the commencement and prosecution of any such proceedings and will execute any documents required therefor. The expense of any such proceedings shall be borne by Tenant and any refunds or rebates secured as a result of Tenant's action shall belong to Tenant, to the

extent the amounts were originally paid by Tenant. In the event Tenant notifies Landlord by the due date for assessment of Tenant's intent to contest the assessment, Landlord shall not pay the assessment pending conclusion of the contest, unless required by applicable law.

(d) Landlord shall not split or cause the tax parcel on which the Premises are located to be split, bifurcated, separated or divided without the prior written consent of Tenant.

(e) Tenant shall have the right but not the obligation to pay any taxes due by Landlord hereunder if Landlord fails to timely do so, in addition to any other rights or remedies of Tenant. In the event that Tenant exercises its rights under this Section 21(e) due to such Landlord default, Tenant shall have the right to deduct such tax amounts paid from any monies due to Landlord from Tenant as provided in Section 15(b), provided that Tenant may exercise such right without having provided to Landlord notice and the opportunity to cure per Section 15(b).

(f) Any tax-related notices shall be sent to Tenant in the manner set forth in Section 17. Promptly after the Effective Date of this Agreement, Landlord shall provide the Notice address set forth in Section 17 to the taxing authority for the authority's use in the event the authority needs to communicate with Tenant. In the event that Tenant's tax address changes by notice to Landlord, Landlord shall be required to provide Tenant's new tax address to the taxing authority or authorities.

(g) Notwithstanding anything to the contrary contained in this Section 21, Tenant shall have no obligation to reimburse any tax or assessment for which the Landlord is reimbursed or rebated by a third party.

22. SALE OF PROPERTY.

(a) Landlord may sell the Property or a portion thereof to a third party, provided: (i) the sale is made subject to the terms of this Agreement; and (ii) if the sale does not include the assignment of Landlord's full interest in this Agreement, the purchaser must agree to perform, without requiring compensation from Tenant or any subtenant, any obligation of Landlord under this Agreement, including Landlord's obligation to cooperate with Tenant as provided hereunder.

(b) If Landlord, at any time during the Term of this Agreement, decides to rezone or sell, subdivide or otherwise transfer all or any part of the Premises, or all or any part of the Property or Surrounding Property, to a purchaser other than Tenant, Landlord shall promptly notify Tenant in writing, and such rezoning, sale, subdivision or transfer shall be subject to this Agreement and Tenant's rights hereunder. In the event of a change in ownership, transfer or sale of the Property, within ten (10) days of such transfer, Landlord or its successor shall send the documents listed below in this Section 22(b) to Tenant. Until Tenant receives all such documents, Tenant's failure to make payments under this Agreement shall not be an event of default and Tenant 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. Copy of current Tax Bill
- v. New IRS Form W-9
- vi. Completed and Signed Tenant Payment Direction Form
- vii. Full contact information for new Landlord including phone number(s)

(c) Landlord agrees not to sell, lease or use any areas of the Property or Surrounding Property for the installation, operation or maintenance of other wireless communication facilities if such installation, operation or maintenance would interfere with Tenant's Permitted Use or communications equipment as determined by radio propagation tests performed by Tenant in its sole discretion. Landlord or Landlord's prospective purchaser shall reimburse Tenant for any costs and expenses of such testing. If the radio frequency propagation tests demonstrate levels of interference unacceptable to Tenant, Landlord shall be prohibited from selling, leasing or using any areas of the Property or the Surrounding Property for purposes of any installation, operation or maintenance of any other wireless communication facility or equipment.

(d) The provisions of this Section shall in no way limit or impair the obligations of Landlord under this Agreement, including interference and access obligations.

23. RIGHT OF FIRST REFUSAL. Notwithstanding the provisions contained in Section 22, if at any time after the Effective Date, Landlord receives a bona fide written offer from a third party seeking any sale, conveyance, assignment or transfer, whether in whole or in part, of any property interest in or related to the Premises, including without limitation any offer seeking an assignment or transfer of the Rent payments associated with this Agreement or an offer to purchase an easement with respect to the Premises (“Offer”), Landlord shall immediately furnish Tenant with a copy of the Offer. Tenant shall have the right within ninety (90) days after it receives such copy to match the financial terms of the Offer and agree in writing to match such terms of the Offer. Such writing shall be in the form of a contract substantially similar to the Offer, but Tenant may assign its rights to a third party. If Tenant chooses not to exercise this right or fails to provide written notice to Landlord within the ninety (90) day period, Landlord may sell, convey, assign or transfer such property interest in or related to the Premises pursuant to the Offer, subject to the terms of this Agreement. If Landlord attempts to sell, convey, assign or transfer such property interest in or related to the Premises without complying with this Section 23, the sale, conveyance, assignment or transfer shall be void. Tenant shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement until Landlord complies with this Section 23. Tenant’s failure to exercise the right of first refusal shall not be deemed a waiver of the rights contained in this Section 23 with respect to any future proposed conveyances as described herein.

24. MISCELLANEOUS.

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by Landlord and Tenant. No provision may be waived except in a writing signed by both parties. The failure by a party to enforce any provision of this Agreement or to require performance by the other party will not be construed to be a waiver, or in any way affect the right of either party to enforce such provision thereafter.

(b) **Memorandum.** Contemporaneously with the execution of this Agreement, the parties will execute a recordable Memorandum of Lease substantially in the form attached as **Exhibit 24b**. Either party may record this Memorandum of Lease at any time during the Term, in its absolute discretion. Thereafter during the Term, either party will, at any time upon fifteen (15) business days’ prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum of Lease.

(c) **Limitation of Liability.** Except for the indemnity obligations set forth in this Agreement, and otherwise notwithstanding anything to the contrary in this Agreement, Tenant and Landlord each waives any claims that each may have against the other with respect to consequential, incidental or special damages, however caused, based on any theory of liability.

(d) **Compliance with Law.** Tenant agrees to comply with all federal, state and local laws, orders, rules and regulations (“Laws”) applicable to Tenant’s use of the Communication Facility on the Property. Landlord agrees to comply with all Laws relating to Landlord’s ownership and use of the Property and any improvements on the Property.

(e) **Bind and Benefit.** The terms and conditions contained in this Agreement will run with the Property and bind and inure to the benefit of the parties, their respective heirs, executors, administrators, successors and assigns.

(f) **Entire Agreement.** This Agreement and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the parties hereto and will supersede all prior offers, negotiations and agreements with respect to the subject matter of this Agreement. Exhibits are numbered to correspond to the Section wherein they are first referenced. Except as otherwise stated in this Agreement, each party shall bear its own fees and expenses (including the fees and expenses of its agents, brokers, representatives, attorneys, and accountants) incurred in connection with the negotiation, drafting, execution and performance of this Agreement and the transactions it contemplates.

(g) **Governing Law.** This Agreement will be governed by the laws of the state in which the Premises are located, without regard to conflicts of law.

(h) **Interpretation.** Unless otherwise specified, the following rules of construction and interpretation apply: (i) captions are for convenience and reference only and in no way define or limit the

construction of the terms and conditions hereof; (ii) use of the term "including" will be interpreted to mean "including but not limited to"; (iii) whenever a party's consent is required under this Agreement, except as otherwise stated in the Agreement or as same may be duplicative, such consent will not be unreasonably withheld, conditioned or delayed; (iv) exhibits are an integral part of this Agreement and are incorporated by reference into this Agreement; (v) use of the terms "termination" or "expiration" are interchangeable; (vi) reference to a default will take into consideration any applicable notice, grace and cure periods; (vii) to the extent there is any issue with respect to any alleged, perceived or actual ambiguity in this Agreement, the ambiguity shall not be resolved on the basis of who drafted the Agreement; (viii) the singular use of words includes the plural where appropriate and (ix) if any provision of this Agreement is held invalid, illegal or unenforceable, the remaining provisions of this Agreement shall remain in full force if the overall purpose of the Agreement is not rendered impossible and the original purpose, intent or consideration is not materially impaired.

(i) **Affiliates.** All references to "Tenant" shall be deemed to include any Affiliate of Uniti Towers LLC using the Premises for any Permitted Use or otherwise exercising the rights of Tenant pursuant to this Agreement. "Affiliate" means with respect to a party to this Agreement, any person or entity that (directly or indirectly) controls, is controlled by, or under common control with, that party. "Control" of a person or entity means the power (directly or indirectly) to direct the management or policies of that person or entity, whether through the ownership of voting securities, by contract, by agency or otherwise.

(j) **Survival.** Any provisions of this Agreement relating to indemnification shall survive the termination or expiration hereof. In addition, any terms and conditions contained in this Agreement that by their sense and context are intended to survive the termination or expiration of this Agreement shall so survive.

(k) **W-9.** As a condition precedent to payment, Landlord agrees to provide Tenant with a completed IRS Form W-9, or its equivalent, upon execution of this Agreement and at such other times as may be reasonably requested by Tenant, including any change in Landlord's name or address.

(l) **Execution/No Option.** The submission of this Agreement to any party for examination or consideration does not constitute an offer, reservation of or option for the Premises based on the terms set forth herein. This Agreement will become effective as a binding Agreement only upon the handwritten legal execution, acknowledgment and delivery hereof by Landlord and Tenant. This Agreement may be executed in two (2) or more counterparts, all of which shall be considered one and the same agreement and shall become effective when one or more counterparts have been signed by each of the parties. All parties need not sign the same counterpart.

(m) **Attorneys' Fees.** In the event that any dispute between the parties related to this Agreement should result in litigation, the prevailing party in such litigation shall be entitled to recover from the other party all reasonable fees and expenses of enforcing any right of the prevailing party, including reasonable attorneys' fees and expenses. Prevailing party means the party determined by the court to have most nearly prevailed even if such party did not prevail in all matters. This provision will not be construed to entitle any party other than Landlord, Tenant and their respective Affiliates to recover their fees and expenses.

(n) **WAIVER OF JURY TRIAL.** EACH PARTY, TO THE EXTENT PERMITTED BY LAW, KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVES ITS RIGHT TO A TRIAL BY JURY IN ANY ACTION OR PROCEEDING UNDER ANY THEORY OF LIABILITY ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR THE TRANSACTIONS IT CONTEMPLATES.

(o) **Incidental Fees.** Unless specified in this Agreement, no unilateral fees or additional costs or expenses are to be applied by either party to the other party, including review of plans, structural analyses, consents, provision of documents or other communications between the parties.

(p) **Further Acts.** Upon request, Landlord will cause to be promptly and duly taken, executed, acknowledged and delivered all such further acts, documents, and assurances as Tenant may request from time to time in order to effectuate, carry out and perform all of the terms, provisions and conditions of this Agreement and all transactions and permitted use contemplated by this Agreement.

(q) **Force Majeure.** No party shall be liable or responsible to the other party, nor be deemed to have defaulted under or breached this Agreement, for any failure or delay in fulfilling or performing any term of this Agreement, when and to the extent such failure or delay is caused by or results from acts beyond the affected party's reasonable control, including, without limitation: (a) acts of God; (b) flood, fire, earthquake, or

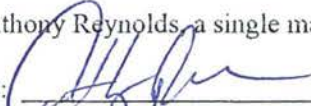
explosion; (c) war, invasion, hostilities (whether war is declared or not), terrorist threats or acts, riot, or other civil unrest; (d) government order or law; (e) embargoes, or blockades in effect on or after the date of this Agreement; (f) action by any governmental authority; (g) national or regional emergency; and (h) strikes, labor stoppages or slowdowns, or other industrial disturbances. The party suffering a force majeure event shall give written notice to the other party, stating the period of time the occurrence is expected to continue and shall use diligent efforts to end the failure or delay and ensure the effects of such force majeure event are minimized.

[SIGNATURES APPEAR ON NEXT PAGE]

IN WITNESS WHEREOF, the parties have caused this Agreement to be effective as of the last date written below.

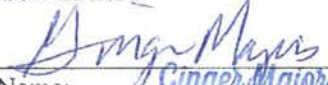
"LANDLORD"

Anthony Reynolds, a single man

By: 
Print Name: Anthony Reynolds
Date: 3-17-20

"TENANT"

Uniti Towers LLC

By: 
Print Name: Ginger Majors
Its: VP - Real Estate
Date: 3-24-2020

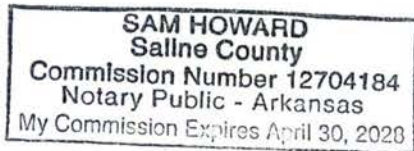
[ACKNOWLEDGMENTS APPEAR ON NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF ARKANSAS

COUNTY OF PULASKI

On the 24 day of MARCH, 2020, before me personally appeared Ginger MATJONS, who acknowledged under oath that he/ she is the VP-REAL ESTATE of Uniti Towers LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.



Sam Howard
Notary Public: SAM HOWARD
My Commission Expires: 4-30-2023

LANDLORD ACKNOWLEDGMENT

STATE OF KENTUCKY

COUNTY OF WAYNE

BE IT REMEMBERED, that on this 17th day of MARCH, 2020 before me, the subscriber, a person authorized to take oaths in the State of KENTUCKY, personally appeared **Anthony Reynolds** who, being duly sworn on his/her/their oath, deposed and made proof to my satisfaction that he/she/they is/are the person(s) named in the within instrument; and I, having first made known to him/her/them the contents thereof, he/she/they did acknowledge that he/she/they signed, sealed and delivered the same as his/her/their voluntary act and deed for the purposes therein contained.

Notary Public: [Signature]
My Commission Expires: 12-27-21



EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 4

to the Option and Lease Agreement dated March 24, 20 20, by and between Anthony Reynolds, a single man, as Landlord, and Uniti Towers LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:
Tract One:

BEGINNING on an iron pin in the Dodson Heirs line and running S 52 deg. 36' 45" E 260.74' to an pin oak. Thence, S 50 deg. 02' 00" E 102.92' to an iron pin. Thence, S 21 deg. 18' 02" E 228.21' to an oak. Thence, S 40 deg. 50' 55" E 164.01' to an iron pin and cedar. Thence, S 28 deg. 02' 42" W 923.00 to a cedar. Thence, N 36 deg. 31' 43" W 512.20' to a cedar. Thence, N 38 deg. 26' 13R W 499.68' to a hickory. Thence, N 57 deg. 01' 10" E 63.60' to a cedar. Thence, N 33 deg. 31' 17" E 50.85' to a post. Thence, S 75 deg. 42' 34" E 163.47' to a cedar. Thence, S 75 deg. 42' 34" E 163.47' to a cedar. Thence, N 04 deg. 17' 16" W 276.05' to a steel post. Thence, N 74 deg. 49' 19R E 245.47' to a cedar. Thence, N 15 deg. 15' 08" E 239.56' to a cedar. Thence, N 29 deg. 56' 06R E 108.43' to the beginning. Containing 16.08 acres as surveyed by Wayne Eng. Assoc., Inc.

THERE IS RESERVED from the above described tract a 16' wide right of way as shown in Tract No. 3 of Deed recorded in Commissioners Deed Book 10, at Page 488 in the Wayne County Clerk's Office.

Tract Two:

BEGINNING at an iron pin at the right-of-way of Ky. 90 and running with the Dodson Heirs line S 52° 36' 45R E 358.60' to an iron pin. Thence, S 29° 56' 06" W 108.43' to an iron pin. Thence, N 72° 42' 06R W 326.32' to an iron pin. Thence N20° 36' 47R E 229.36' to the beginning. Containing 130 acres as surveyed by James A. West, Wayne Eng. Assoc., Inc., LS#2088 on March 10, 1992.

AND BEING the same property conveyed to Anthony Reynolds from Arlie Piercy and Sharon Piercy by Deed of Conveyance dated April 23, 2004 and recorded April 28, 2004 in Deed Book 303, Page 526.

Tax Parcel No. 078-00-00-013.00

The Premises are described and/or depicted as follows:

LEASE AREA

All that tract or parcel of land lying and being in Wayne County, Kentucky and being part of the lands of Anthony Reynolds as recorded in Deed Book 303, Page 526, Wayne County records, and being more particularly described as follows:

To find the point of beginning, COMMENCE at a ½-inch open type pipe found marking a common parcel line of said Reynolds lands, said pipe having a Grid North, NAD 83, Kentucky Zone value of N: 3488298.6706 E: 5202694.4673; Thence, leaving said parcel line and running along a tie line, South 85°43'40" East, 370.64 feet to a point on the Southerly right-of-way line of County Road 1570 (having a 30-foot public right-of-way per Wayne County Transportation Department); thence, leaving said right-of-way line and running, South 16°33'55" West, 217.98 feet to a point; thence, South 21°34'45" East, 75.44 feet to a point; thence, South 40°16'55" East, 77.71 feet to a point; thence, South 41°45'37" East, 191.76 feet to a point; thence, South 62°29'26" East, 170.19 feet to a point; thence, North 48°22'28" East, 47.48 to a point on the Lease Area, said point having a Grid North, NAD 83, Kentucky Zone Value of N: 3487742.5758 E: 5203394.0672; thence, running along said Lease Area, North 41°37'32" West, 15.00 feet to a point and the true POINT OF BEGINNING; Thence, North 48°22'28" East, 100.00 feet to a point; Thence, South 41°37'32" East, 100.00 feet to a point;

Thence, South 48°22'28" West, 100.00 feet to a point; Thence, North 41°37'32" West, 100.00 feet to a point and the POINT OF BEGINNING.

Bearing based on Grid North, NAD 83, Kentucky Zone.

Said tract contains 0.2296 acres (10,000 square feet), more or less, as shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 04, 2020.

30' INGRESS-EGRESS & UTILITY EASEMENT

Together with a 30-foot Ingress-Egress and Utility Easement (lying 15-feet each side of centerline) lying and being in Wayne County, Kentucky and being part of the lands of Anthony Reynolds as recorded in Deed Book 303, Page 526, Wayne County records, and being more particularly described by the following centerline data:

To find the point of beginning, COMMENCE at a ½-inch open type pipe found marking a common parcel line of said Reynolds lands, said pipe having a Grid North, NAD 83, Kentucky Zone value of N: 3488298.6706 E: 5202694.4673; Thence, leaving said parcel line and running along a tie line, South 85°43'40" East, 370.64 feet to a point on the Southerly right-of-way line of County Road 1570 (having a 30-foot public right-of-way per Wayne County Transportation Department), and the true POINT OF BEGINNING; Thence, leaving said right-of-way line and running, South 16°33'55" West, 217.98 feet to a point; Thence, South 21°34'45" East, 75.44 feet to a point; Thence, South 40°16'55" East, 77.71 feet to a point; Thence, South 41°45'37" East, 191.76 feet to a point; Thence, South 62°29'26" East, 170.19 feet to a point; Thence, North 48°22'28" East, 47.48 ENDING at a point on the Lease Area, said point having a Grid North, NAD 83, Kentucky Zone Value of N: 3487742.5758 E: 5203394.0672.

Bearing based on Grid North, NAD 83, Kentucky Zone.

As shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 04, 2020.

Notes:

1. THIS EXHIBIT MAY BE REPLACED BY A LAND SURVEY AND/OR CONSTRUCTION DRAWINGS OF THE PREMISES ONCE RECEIVED BY TENANT.
2. ANY SETBACK OF THE PREMISES FROM THE PROPERTY'S BOUNDARIES SHALL BE THE DISTANCE REQUIRED BY THE APPLICABLE GOVERNMENT AUTHORITIES.
3. WIDTH OF ACCESS ROAD SHALL BE THE WIDTH REQUIRED BY THE APPLICABLE GOVERNMENT AUTHORITIES, INCLUDING POLICE AND FIRE DEPARTMENTS.
4. THE TYPE, NUMBER AND MOUNTING POSITIONS AND LOCATIONS OF ANTENNAS AND TRANSMISSION LINES ARE ILLUSTRATIVE ONLY. ACTUAL TYPES, NUMBERS AND MOUNTING POSITIONS MAY VARY FROM WHAT IS SHOWN ABOVE.



PARENT PARCEL

OWNER: ANTHONY REYNOLDS
 SITE ADDRESS: 150 AYLE PEERY ROAD, MONTCELLO, KY 42633
 PARCEL ID: 078-00-0011.00
 AREA: 17.38 ACRES PER TAXASSESSOR
 ZONED: NO ZONING IN UNINCORPORATED WAYNE COUNTY
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: DEED BOOK 303 PAGE 526

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY PEDESTAL NATIONAL TITLE INSURANCE COMPANY, ISSUE DATE OF JANUARY 14, 2020, BEING REPORT OF TITLE NO. 20029857. FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

1. EASEMENT RECEIVED BY DEED SET FORTH IN INSTRUMENT RECORDED ON DECEMBER 3, 1991 IN DEED BOOK 10, PAGE 452. (THIS ITEM MAY AFFECT THE PARENT PARCEL, BUT ITS DESCRIPTION IS TOO VAGUE TO BE PLOTTED)

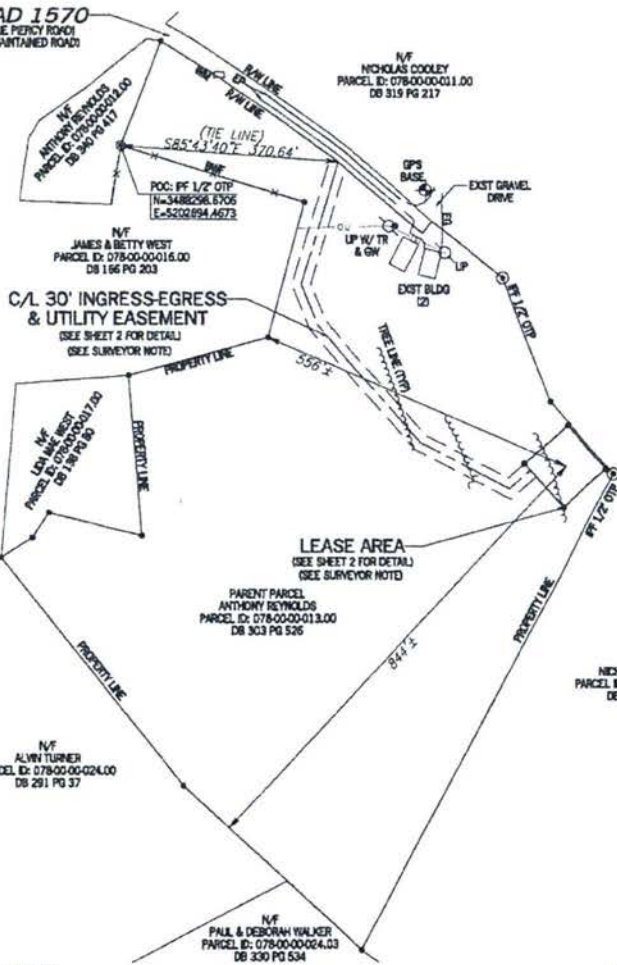
2. EASEMENT GRANT FOR WATER LINE IN FAVOR OF CITY OF MONTCELLO, KENTUCKY, ITS SUCCESSORS AND ASSIGNS SET FORTH IN INSTRUMENT RECORDED ON DECEMBER 11, 1995 IN DEED BOOK 19A, PAGE 92. (THIS ITEM MAY AFFECT THE PARENT PARCEL, BUT ITS DESCRIPTION IS TOO VAGUE TO BE PLOTTED)

3. MORTGAGE FROM ANTHONY REYNOLDS, GRANTEE, IN FAVOR OF MONTICELLO ELECTRONIC REGISTRATION SYSTEMS, INC., ACTING SOLELY AS A NOMINEE FOR CITECH FINANCIAL LLC, DATED MAY 1, 2020, AND RECORDED IN A IN DEED BOOK 423, PAGE 282, IN THE ORIGINAL AMOUNT OF \$212,900.00 (THIS ITEM DESCRIBED THE PARENT PARCEL)

LEGEND

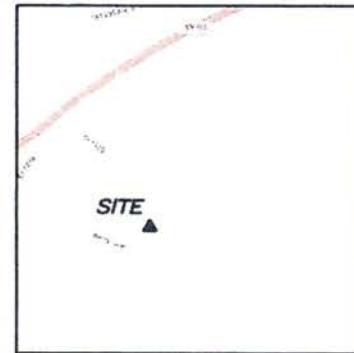
| | |
|-----|-------------------------------|
| PCB | POINT OF BEGINNING |
| PC | POINT OF COMMENCEMENT |
| PP | IRON PIN SET |
| PF | IRON PIN FOUND |
| CP | CONCRETE MEASUREMENT FOUND |
| UP | UTILITY POLE |
| LP | LIGHT POLE |
| CS | CUSTOMER |
| BL | BUILDING |
| CP | OPEN TOP PIPE |
| PR | PRICY |
| TP | TRUCK |
| EP | EDGE OF GRASS |
| SD | SOIL OF GRASS |
| SP | SHAW WIRE FENCE |
| SW | SHAW WIRE FENCE |
| OW | OVERHEAD UTILITY |
| UF | UNDERGROUND UTILITY |
| CF | CONCRETE UTILITY PIPE |
| TS | TEMPORARY SIGNATURE |
| PL | POLYURETHANE CHAIN LINK FENCE |
| AW | GRAY ASBE ANCHOR |
| TR | TRANSFER |
| AR | ARROW POINT |
| BR | BROWN IRON NAIL FOUND |
| OR | ORANGE IRON NAIL FOUND |
| GR | GREEN IRON NAIL FOUND |
| BL | BLACK IRON NAIL FOUND |
| WH | WHITE IRON NAIL FOUND |
| CO | CORNER |
| GP | GPS MARK |
| RF | RANGE OR FURNISHABLE |
| IC | ICE SPREAD |
| SP | ICE SPREAD POLE |

CO. ROAD 1570
 (AYLA AYLE PEERY ROAD)
 COUNTY MAINTAINED ROAD



SURVEYOR NOTE

*AREA CONTAINING MAJORITY OF LEASE AREA & 30' WIDE EGRESS & UTILITY EASEMENT LOCATED ON SOLID ROCK FORMATION



VICINITY MAP
 NOT TO SCALE

GENERAL NOTES

* THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASE PREMISES AND EASEMENTS ONLY; THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF UNITI TOWERS, LLC AND EXCLUSIVELY FOR THE TRANSFER OF THE PROPOSED LEASED PREMISES AND THE RIGHTS OF EGRESS SHOWN HEREON AND SHALL NOT BE USED AS AN EVIDENCE OR ENCUMBRANCE IN THE FUTURE TRANSFER OF THE PARENT PARCEL, NOR ANY PORTION OR PORTIONS THEREOF. ADDITIONAL INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM TAX MAPS AND DEED DESCRIPTIONS ONLY. NO BOUNDARY SURVEY OF THE PARENT PARCEL WAS PERFORMED.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

THE FIELD DATA UPON WHICH THIS SPECIFIC PURPOSE SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 10,000 FEET AND AN ANGULAR ERROR OF 5.0" PER ANGLE POINT AND WAS NOT ADJUSTED FOR CLOSURE.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA T110 ROBOTIC & GEOMAX ZENITH 36. DATE OF LAST FIELD VISIT: 1/28/2020

THE 1' CONTOURS AND SPOT ELEVATIONS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE ADJUSTED TO NAVD83 DATUM COMPUTED USING GEDCOM2 AND HAVE A VERTICAL ACCURACY OF ± 0.5'. CONTOURS OUTSIDE THE BARRIERS SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH AND NOT ON NORTHCY ZONE.

FOR THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE A (AREA OF MINIMAL FLOOD HAZARD). COMMUNITY PANEL NO.: 21211C00700. DATED: 05/02/2003

NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC PURPOSE SURVEY.

ALL SURVEY INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS.

ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT ANY UNDERGROUND UTILITIES SHOWN CORRESPOND TO ALL SUCH UTILITIES IN THE AREA. EITHER IN EXISTENCE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY UNDERGROUND UTILITIES.

GPS NOTES

THE FOLLOWING GPS STATISTICS UPON WHICH THIS SURVEY IS BASED HAVE BEEN PROVIDED AT THE 95% CONFIDENCE LEVEL:

POSITIONAL ACCURACY: 0.01 FEET (HORIZONTAL) 0.02 FEET (VERTICAL)
 TYPE OF EQUIPMENT: TRIMBLE CONTROL PCD BASE AND ROVER, OLM PROCELYDIA
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATE OF SURVEY: 1/13/2020
 DATUM / EPOCH: NAD 83(2011) EPSG:4203 (0.0000)
 PUBLISHED / FIXED CONTROL USE: N/A
 GRID HEIGHT: 18
 OBTAINED GRID FACTORS: 1.000001 AS CENTERED ON THE GPS BASE POINT AS SHOWN HEREON.
 CORRECTION APPLIED: "30"31.1"



SURVEYOR'S CERTIFICATE

G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRIANGULAR WITH ONE ANGLES. THE UNADJUSTED PRECISION RATIO OF THE TRIANGULAR EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN ORDINARY SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 263 KAR 182.150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

G. DARRELL TAYLOR, PLS 4179
 DATE: 02/04/2020

STATE OF KENTUCKY
 G. DARRELL TAYLOR
 4179
 LICENSED PROFESSIONAL LAND SURVEYOR

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |

* SPECIFIC PURPOSE SURVEY PREPARED BY:
POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



STEUBENVILLE
 SITE NO.
 KYLEX2036
 WAYNE COUNTY, KENTUCKY

DESIGNED BY: BGM
 CHECKED BY: JAL
 APPROVED: D. MILLER
 DATE: FEBRUARY 04, 2020
 PDP JOB #: 20003ARY

SHEET:
1
 OF 2

(SURVEY NOT VALID WITHOUT SHEET 2 OF 2)



Know what's below.
 Call before you dig.

Uniti Towers, LLC, 100 Governors Trace, Peachtree City, GA 30269, (770) 485-7200, www.unititowers.com

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN WAYNE COUNTY, KENTUCKY AND BEING PART OF THE LANDS OF ANTHONY REYNOLDS AS RECORDED IN DEED BOOK 303, PAGE 526, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A WAINCH OPEN TYPE PIPE FOUND HAVING A COMMON PARCEL LINE OF SAID REYNOLDS LANDS, SAID PIPE HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3488298.6706 E: 5202994.4673; THENCE, LEAVING SAID PARCEL LINE AND RUNNING ALONG A TIE LINE, SOUTH 89°43'40" EAST, 370.64 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF COUNTY ROAD 1570 HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER WAYNE COUNTY TRANSPORTATION DEPARTMENT; THENCE, LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, SOUTH 19°33'55" WEST, 217.98 FEET TO A POINT; THENCE, SOUTH 21°34'45" EAST, 73.44 FEET TO A POINT; THENCE, SOUTH 40°16'56" EAST, 77.71 FEET TO A POINT; THENCE, SOUTH 41°43'37" EAST, 191.76 FEET TO A POINT; THENCE, SOUTH 62°29'26" EAST, 170.13 FEET TO A POINT; THENCE, NORTH 48°22'28" EAST, 47.48 FEET TO A POINT ON THE LEASE AREA, SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3487742.5758 E: 5203394.0672; THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 41°37'32" WEST, 15.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING, THENCE, NORTH 48°22'28" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 41°37'32" EAST, 100.00 FEET TO A POINT; THENCE, NORTH 48°22'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 41°37'32" WEST, 100.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARING BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

SAID TRACT CONTAINS 0.2296 ACRES (10,000 SQUARE FEET), MORE OR LESS.

30' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 30-FOOT INGRESS-EGRESS AND UTILITY EASEMENT LYING 15-FEET EACH SIDE OF CENTERLINE LYING AND BEING IN WAYNE COUNTY, KENTUCKY AND BEING PART OF THE LANDS OF ANTHONY REYNOLDS AS RECORDED IN DEED BOOK 303, PAGE 526, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTRLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/4-INCH OPEN TYPE PIPE FOUND HAVING A COMMON PARCEL LINE OF SAID REYNOLDS LANDS, SAID PIPE HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3488298.6706 E: 5202994.4673; THENCE, LEAVING SAID PARCEL LINE AND RUNNING ALONG A TIE LINE, SOUTH 89°43'40" EAST, 370.64 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF COUNTY ROAD 1570 HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER WAYNE COUNTY TRANSPORTATION DEPARTMENT, AND THE TRUE POINT OF BEGINNING, THENCE, LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, SOUTH 19°33'55" WEST, 217.98 FEET TO A POINT; THENCE, SOUTH 21°34'45" EAST, 73.44 FEET TO A POINT; THENCE, SOUTH 40°16'56" EAST, 77.71 FEET TO A POINT; THENCE, SOUTH 41°43'37" EAST, 191.76 FEET TO A POINT; THENCE, SOUTH 62°29'26" EAST, 170.13 FEET TO A POINT; THENCE, NORTH 48°22'28" EAST, 47.48 FEET TO A POINT ON THE LEASE AREA, SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3487742.5758 E: 5203394.0672.

BEARING BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

PARENT PARCEL

(PER REPORT OF TITLE NO. 30677457)

PROPERTY LOCATED IN WAYNE COUNTY, KENTUCKY

THE FOLLOWING DESCRIBED REAL ESTATE SITUATED IN WAYNE COUNTY, KENTUCKY, BEING DESCRIBED AS FOLLOWS, TO WIT:

TRACT ONE:

BEGINNING ON AN IRON PIN IN THE DODSON HERS LINE AND RUNNING S 52 DEG. 55' 43" E 250.74' TO AN IRON OAK, THENCE, S 50 DEG. 07' 07" E 102.92' TO AN IRON PIN, THENCE, S 21 DEG. 18' 02" E 228.21' TO AN OAK, THENCE, S 40 DEG. 50' 55" E 164.01' TO AN IRON PIN AND CEDAR, THENCE, S 29 DEG. 02' 42" W 923.00' TO A CEDAR, THENCE, N 36 DEG. 31' 43" W 512.20' TO A CEDAR, THENCE, N 38 DEG. 25' 13" W 499.69' TO A HICKORY, THENCE, N 57 DEG. 07' 11" E 63.60' TO A CEDAR, THENCE, N 33 DEG. 31' 17" E 50.85' TO A POST, THENCE, S 75 DEG. 42' 34" E 163.47' TO A CEDAR, THENCE, S 75 DEG. 42' 34" E 163.47' TO A CEDAR, THENCE, N 04 DEG. 17' 16" W 276.09' TO A STEEL POST, THENCE, N 74 DEG. 48' 15" E 245.47' TO A CEDAR, THENCE, N 15 DEG. 19' 08" E 229.50' TO A CEDAR, THENCE, N 29 DEG. 56' 06" E 108.43' TO THE BEGINNING, CONTAINING 16.08 ACRES AS SURVEYED BY WAYNE ENG. ASSOC., INC.

THERE IS RESERVED FROM THE ABOVE DESCRIBED TRACT A 15' WIDE RIGHT OF WAY AS SHOWN IN TRACT NO. 3 OF DEED RECORDED IN COMMISSIONERS DEED BOOK 10, PAGE 488 IN THE WAYNE COUNTY CLERK'S OFFICE.

TRACT TWO:

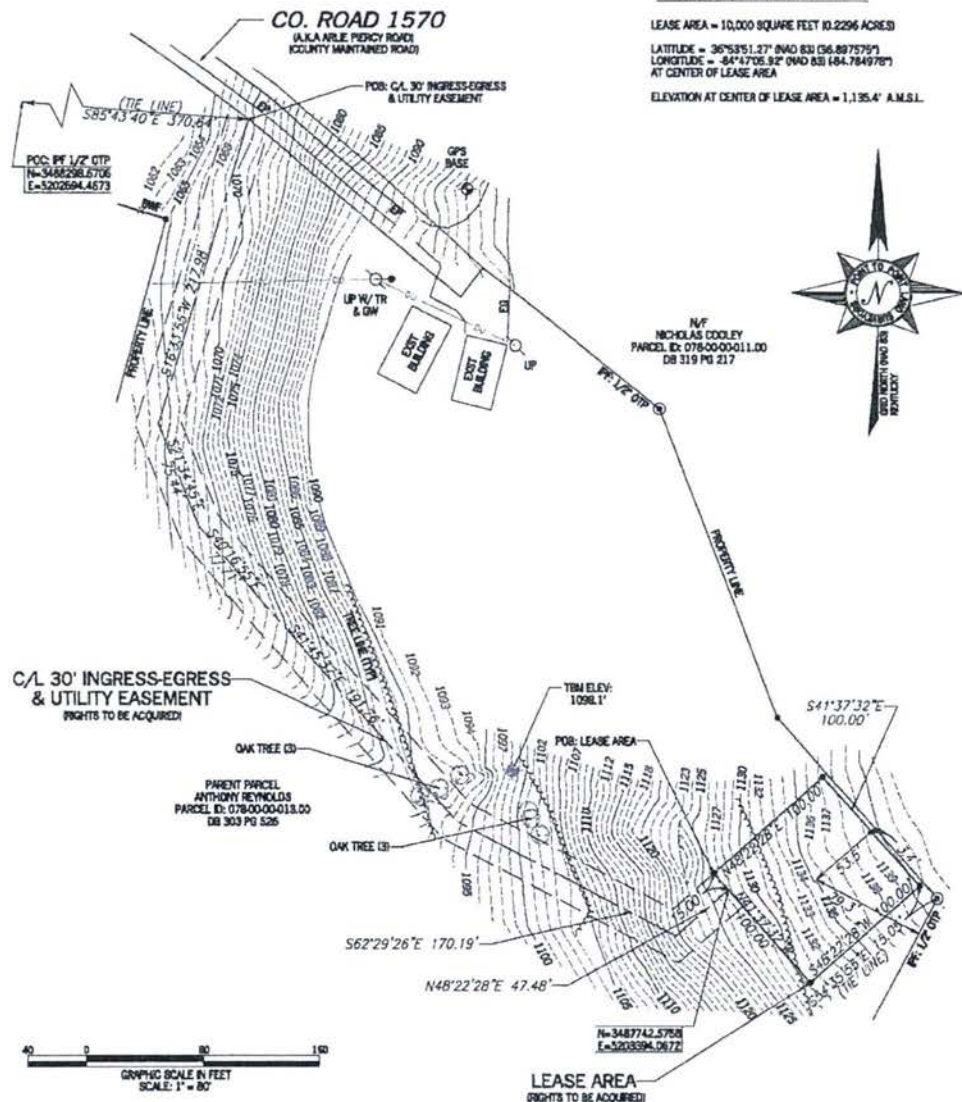
BEGINNING AT AN IRON PIN AT THE RIGHT-OF-WAY OF KY. 90 AND RUNNING WITH THE DODSON HERS LINE S 52° 36' 45" E 358.60' TO AN IRON PIN, THENCE, S 29° 59' 06" W 108.43' TO AN IRON PIN, THENCE, N 72° 42' 06" W 326.32' TO AN IRON PIN, THENCE, N20° 36' 47" E 229.30' TO THE BEGINNING, CONTAINING 1.30 ACRES AS SURVEYED BY JAMES A. WEST, WAYNE ENG. ASSOC., INC., L882088 ON MARCH 10, 1992.

AND BEING THE SAME PROPERTY CONVEYED TO ANTHONY REYNOLDS FROM ARLE PECKY AND SHARON PECKY BY DEED OF CONVEYANCE DATED APR. 23, 2004 AND RECORDED APRIL 28, 2004 IN DEED BOOK 303, PAGE 526.

TAX PARCEL NO. 078-00-0013.00

SITE INFORMATION

LEASE AREA = 10,000 SQUARE FEET (0.2296 ACRES)
 LATITUDE = 36°53'1.27" (NAD 83) (56.897579°)
 LONGITUDE = -84°47'05.92" (NAD 83) (-84.784978°)
 AT CENTER OF LEASE AREA
 ELEVATION AT CENTER OF LEASE AREA = 1,195.4' A.M.S.L.



STATE of KENTUCKY
 G. DARRELL TAYLOR
 4179
 LICENSED PROFESSIONAL LAND SURVEYOR

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |
| | | |

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



STUEBENVILLE
 SITE NO.
 KYLEX2036
 WAYNE COUNTY, KENTUCKY

DRAWN BY: BGM
 CHECKED BY: JL
 APPROVED: D. MILLER
 DATE: FEBRUARY 04, 2020
 P2P JOB #: 200236K4

SHEET:
2
 OF 2

(SURVEY NOT VALID WITHOUT SHEET 1 OF 2)

EXHIBIT J
NOTIFICATION LISTING

Steubenville Relo – Notice List

REYNOLDS ANTHONY
150 ARLIE PIERCY RD
MONTICELLO, KY 42633

WALKER PAUL & DEBORAH
221 WINCHESTER RD
MONTICELLO, KY 42633

TURNER ALVIN
238 HARRIS RD
MONTICELLO, KY 42633

WEST LIDA MAE
HWY 90 O
MONTICELLO, KY 42633

WEST BETTY ETAL
1160 OLD HWY 90
MONTICELLO, KY 42633

COOLEY NICHOLAS
54 HWY 1275 S
MONTICELLO, KY 42633

BERRY FRED & TED BERRY
1174 REDWOOD DR
LEXINGTON, KY 40511

EXHIBIT K
COPY OF PROPERTY OWNER NOTIFICATION



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Steubenville Relo**

Dear Landowner:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 152 Arlie Piercy Road, Monticello, KY 42633 (36° 53' 51.27" North latitude, 84° 47' 05.92" West longitude). The proposed facility will include a 255-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 265-feet, plus related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00404 in any correspondence sent in connection with this matter.

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

Sincerely,
David A. Pike
Attorney for Applicants

enclosures

Driving Directions to Proposed Tower Site

1. Beginning at the Wayne County Judge Executive's Office, located at 55 North Main Street, Suite 103, Monticello, KY 42633, head northeast (toward Michigan Avenue) on N. Main Street and travel 108 feet.
2. Continue straight onto N. Main Street and travel approximately 1.5 miles.
3. Continue onto State Hwy 90 Bus and travel approximately 312 feet.
4. Turn right onto Hardwood Drive and travel approximately 184 feet.
5. Continued onto Old Hwy 90 / State Hwy 3106 and travel approximately 4.5 miles.
6. Turn right onto Arlie Piercy Road and travel approximately 0.1 miles.
7. The site is located on the right at 152 Arlie Piercy Road, Monticello, KY 42633.
8. The site coordinates are:
 - a. North 36 deg 53 min 51.27 sec
 - b. West 84 deg 47 min 05.92 sec



Prepared by:
Chris Shouse
Pike Legal Group
1578 Highway 44 East, Suite 6
P.O. Box 396
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293



| # | OWNER | ADDRESS | PID | REF |
|---|-----------------------|---|------------------|---------------|
| 1 | ANTHONY REYNOLDS | 150 ARLIE PIERCY RD MONTICELLO, KY 42633 | 078-00 00 013.00 | DB 303 PG 526 |
| 2 | PAUL & DEBORAH WALKER | 221 WINCHESTER RD MONTICELLO, KY 42633 | 078-00 00 024.03 | DB 330 PG 534 |
| 3 | ALVIN TURNER | 238 HARRIS RD MONTICELLO, KY 42633 | 078-00 00 024.00 | DB 291 PG 37 |
| 4 | LIDA MAE WEST | NO ADDRESS NOTED ON PVA INFO | 078-00 00 017.00 | DB 138 PG 80 |
| 5 | BETTY WEST, ET ALL | 1160 OLD HWY 90 MONTICELLO, KY 42633 | 078-00 00 016.00 | DB 166 PG 203 |
| 6 | ANTHONY REYNOLDS | 150 ARLIE PIERCY RD MONTICELLO, KY 42633 | 078-00 00 012.00 | DB 340 PG 417 |
| 7 | NICHOLAS COOLEY | 54 HWY 1275 S MONTICELLO, KY 42633 | 078-00 00 011.00 | DB 319 PG 217 |
| 8 | FRED & TED BERRY | 1174 REDWOOD DR LEXINGTON, KY 40511 | 078-00 00 019.00 | DB 301 PG 338 |

NOTE:
PVA INFORMATION WAS OBTAINED ON 7/24/2020 FROM THE OFFICIAL RECORDS
OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.

BAT NOTE:
MUST DO TREE CLEARING BETWEEN
OCTOBER 15th AND MARCH 31st, DUE TO BAT
TREES ON PROPERTY

FLOOD ZONE NOTE:
PER THE FEMA FLOODPLAIN MAPS, THE SITE
IS LOCATED IN AN AREA DESIGNATED AS
ZONE X (AREA OF MINIMAL FLOOD HAZARD).
COMMUNITY PANEL NO. 21231C0070C
DATED: 09/02/2009

1 500' RADIUS & ADJOINER'S DRAWING
SCALE 0 100 200 300 400 1"=200'



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



UNITI TOWERS
STUEBENVILLE
E-A# 15145553
PAGE# MRN/K047953
PT# 10115675
152 ARLIE PIERCY ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 255' SELF-SUPPORT TOWER

PROJECT NO: G013 328.00
CHECKED BY: DLS

| ISSUED FOR | | |
|------------|----------|-------------------|
| REV | DATE | DESCRIPTION |
| A | 08/14/20 | MAS CLIENT REVIEW |
| D | 08/20/20 | MAS FINAL |

B&T ENGINEERING, INC.
E-1403
Expires 12/31/20



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

500' RADIUS &
ADJOINER'S
DRAWING

SHEET NUMBER:
C-1

EXHIBIT L
COPY OF COUNTY JUDGE/EXECUTIVE NOTICE



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

VIA CERTIFIED MAIL

Mike Anderson
County Judge Executive
P.O. Box 439
55 North Main Street, Suite 103
Monticello, KY 42633

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2020-00404
Site Name: Steubenville Relo

Dear Judge/Executive:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 152 Arlie Piercy Road, Monticello, KY 42633 (36° 53' 51.27" North latitude, 84° 47' 05.92" West longitude). The proposed facility will include a 255-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 265-feet, plus related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00404 in any correspondence sent in connection with this matter.

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

Sincerely,
David A. Pike
Attorney for Applicants
enclosures

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8. The site coordinates are:
 - a. North 36 deg 53 min 51.27 sec
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Prepared by:
Chris Shouse
Pike Legal Group
1578 Highway 44 East, Suite 6
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| 5 | BETTY WEST, ET ALL | 1160 OLD HWY 90 MONTICELLO, KY 42633 | 078-00 00 016.00 | DB 166 PG 203 |
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NOTE:
PVA INFORMATION WAS OBTAINED ON 7/24/2020 FROM THE OFFICIAL RECORDS OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.



UNITI TOWERS
STUEBENVILLE
 FA# 15145553
 PAGE# ARTNKK047953
 PTH 10115675
 152 ARLIE PIERCY ROAD
 MONTICELLO, KY 42633
 WAYNE COUNTY

PROJECT NO: G013-128-00
 CHECKED BY: DLS

| ISSUED FOR | | | |
|------------|----------|------|---------------|
| REV | DATE | DRWN | DESCRIPTION |
| A | 08/14/20 | MAS | CLIENT REVIEW |
| 0 | 08/20/20 | MAS | FINAL |

B&T ENGINEERING, INC.
 E-1403
 Expires 12/31/20



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

500' RADIUS & ADJOINER'S DRAWING

SHEET NUMBER:
C-1

1 500' RADIUS & ADJOINER'S DRAWING
 SCALE 0 100' 200' 300' 400' 1"=200'



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



**EXHIBIT M
COPY OF POSTED NOTICES
AND NEWSPAPER NOTICE ADVERTISEMENT**

SITE NAME: STEUBENVILLE RELO
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.

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; telephone: (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00404 in your correspondence.

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; telephone: (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00404 in your correspondence.



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

VIA TELEPHONE: (606) 678-8191
VIA EMAIL: news@somerset-kentucky.com

The Commonwealth Journal
110-112 E. Mt. Vernon Street
Somerset, KY 42501

RE: Legal Notice Advertisement
Site Name: Steubenville Relo

Dear Staff:

Please publish the following legal notice advertisement in the next edition of *The Commonwealth Journal*:

NOTICE

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on 152 Arlie Piercy Road, Monticello, KY 42633 (36° 53' 51.27" North latitude, 84° 47' 05.92" West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00404 in any correspondence sent in connection with this matter.

After this advertisement has been published, please forward a tearsheet copy, affidavit of publication, and invoice to Pike Legal Group, PLLC, P. O. Box 369, Shepherdsville, KY 40165. Please call me at (800) 516-4293 if you have any questions. Thank you for your assistance.

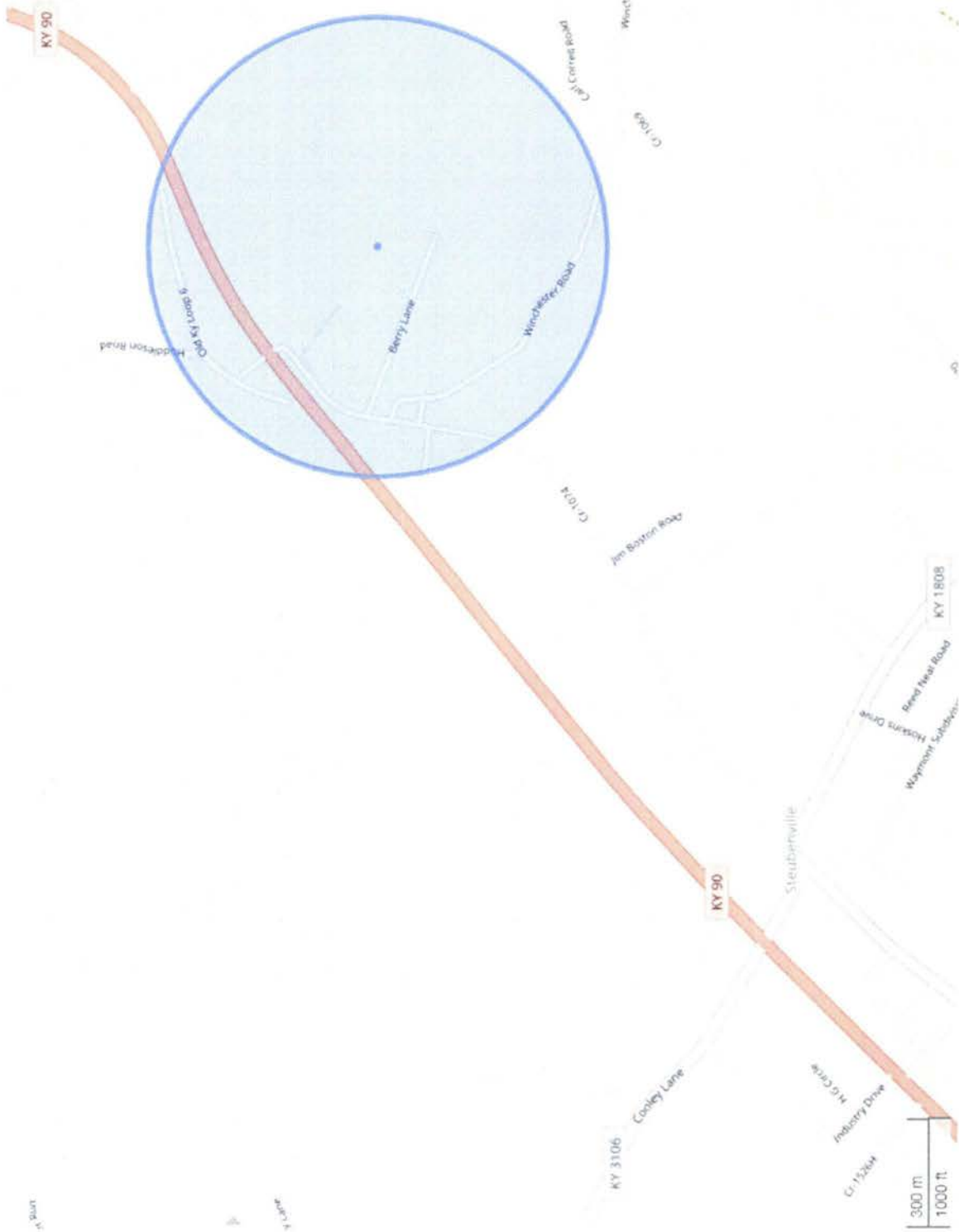
Sincerely,
Chris Shouse
Pike Legal Group, PLLC

EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

C-1070

Clebritt Hill
424 m

High Rock Hill
409 m



300 m
1000 ft

1:25000

North