

**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.: 2020-00360
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF RUSSELL)

SITE NAME: JAMESTOWN 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 82 Harris Lane, Jamestown, KY 42629 (36.987586, -85.067219), 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 Alford Family Living Trust, by and through its Co-Trustees, George N. Alford and Gail J. Alford, pursuant to a deed recorded at Deed Book 307, Page 18 in the office of the County Clerk. The proposed WCF will consist of a 210-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 220-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") is attached as **Exhibit F**.

15. 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 a mix of commercial and residential.

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,



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
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) 564-3490 www.sos.ky.gov	Certificate of Authority (Foreign Business Entity)	FBE
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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):

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

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.
 Type/Print Name of Registered Agent

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

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", is 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

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



COMMONWEALTH OF KENTUCKY
ALISON LUNDERGAN GRIMES, SECRETARY OF STATE

Division of Business Filings Business Filings PO Box 718 Frankfort, KY 40602 (502) 564-3480 www.sos.ky.gov	Certificate of Authority (Foreign Business Entity)	FBE
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Street Address (No P.O. Box Numbers) City State Zip Code

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Signature of Authorized Representative Printed Name & Title Date

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

(09/15)

Delaware

The First State

Page 1

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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

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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: LESLIE WILSON
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1016
DALLAS, TX 75202

Call Sign WQFA872	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date 04-14-2017	Effective Date 08-31-2018	Expiration Date 04-28-2027	Print Date
Market Number BTA423	Channel Block E	Sub-Market Designator 7	
Market Name Somerset, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

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: WQFA872

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

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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.

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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).

AT&T
Reference
Copyright

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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Reference Copy

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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:

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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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Reference Copy

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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
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Reference Copy

REFERENCE COPY

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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 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

Reference Copy

EXHIBIT B

SITE DEVELOPMENT PLAN:

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

PARENT PARCEL

OWNER: THE ALFORD FAMILY LIVING TRUST, GEORGE N. ALFORD & GAIL J. ALFORD, CO-TRUSTEES
 SITE ADDRESS: 82 HARRIS LANE, JAMESTOWN, KY 42629
 PARCEL ID: 034-90-20-023.00
 AREA: 1.66 ACRES (PER TAX ASSESSOR)
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: DEED BOOK 307 PAGE 18

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ISSUE DATE OF JANUARY 9, 2020, SCOPE OF SEARCH BEGINNING AUGUST 4, 1976 AND EXTENDING THROUGH JANUARY 4, 2020, AND BEING ORDER NO. 30660971, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

2. REAL ESTATE MORTGAGE FROM THE ALFORD FAMILY LIVING TRUST, BY AND THROUGH ITS CO-TRUSTEES, GEORGE N. ALFORD & GAIL J. ALFORD, GRANTOR(S), IN FAVOR OF THE CITIZENS NATIONAL BANK, DATED SEPTEMBER 26, 2014, AND RECORDED SEPTEMBER 29, 2014 IN DEED BOOK 368, PAGE 443, IN THE ORIGINAL AMOUNT OF \$77,472.53.

(THIS ITEM IS NOT A SURVEY RELATED ITEM; HOWEVER IT IS APPLICABLE TO THE PARENT PARCEL)

GPS NOTES

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

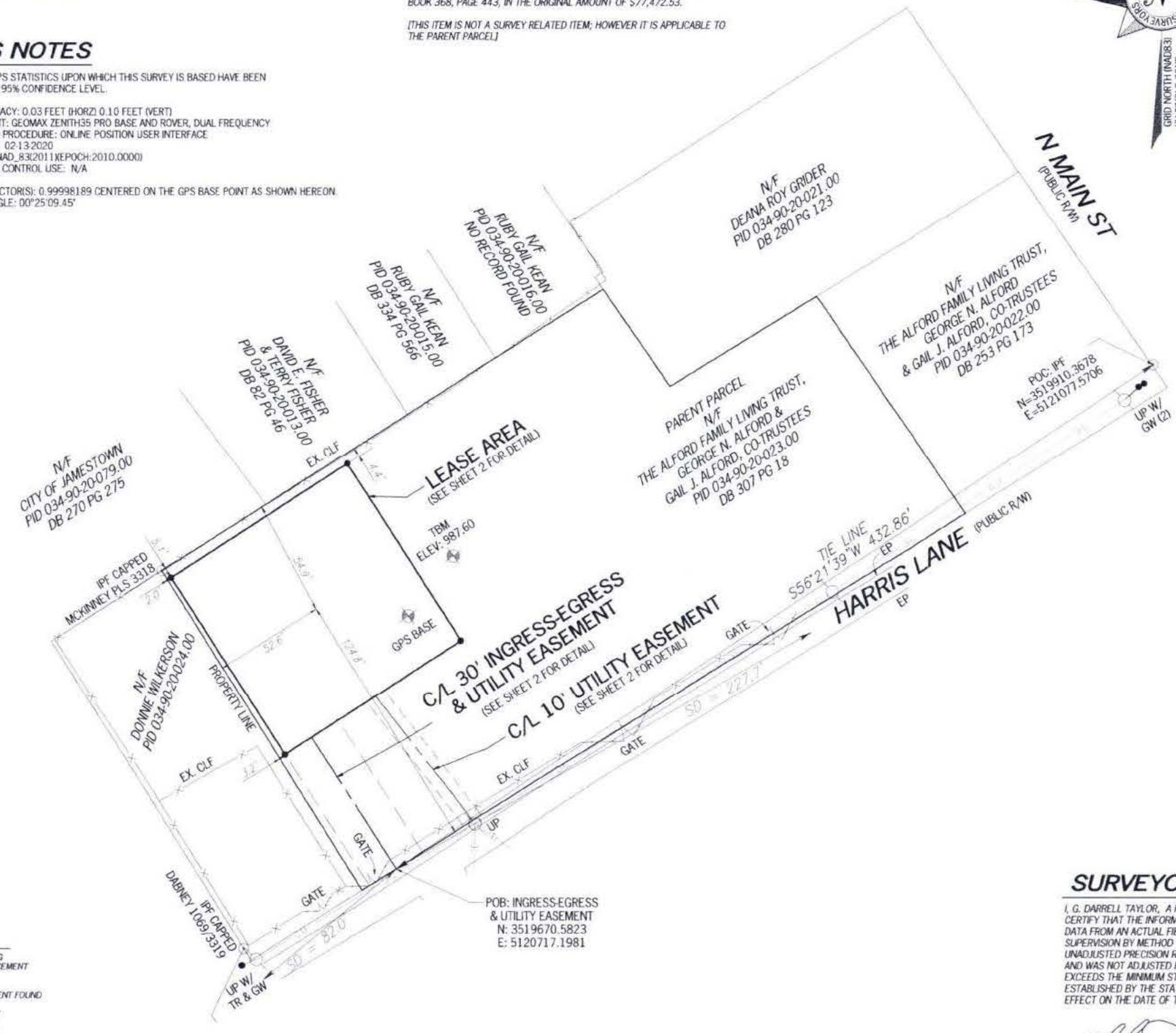
POSITIONAL ACCURACY: 0.03 FEET (HORIZ) 0.10 FEET (VERT)
 TYPE OF EQUIPMENT: GEOMAX ZENITH35 PRO BASE AND ROVER, DUAL FREQUENCY
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATES OF SURVEY: 02/13/2020
 DATUM / EPOCH: NAD_83(2011) EPOCH: 2010.00000
 PUBLISHED / FIXED CONTROL USE: N/A
 GEOID MODEL: 18
 COMBINED GRID FACTOR(S): 0.99998189 CENTERED ON THE GPS BASE POINT AS SHOWN HEREON
 CONVERGENCE ANGLE: 00°25'09.45"



VICINITY MAP
NOT TO SCALE

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

NO.	DATE	REVISION
1	6/22/2020	E911 ADDRESS
2	09/08/2020	ADDED UTIL ESMT - NRW



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 TRANSFERAL 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: 02/13/2020)

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.

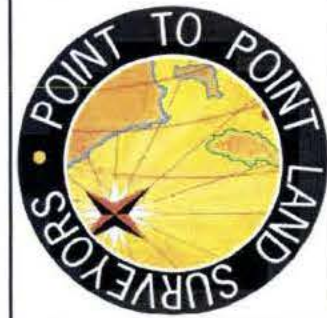
BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH (NAD 83) KY SINGLE ZONE.

PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X (AREA OF MINIMAL FLOOD HAZARD). COMMUNITY PANEL NO. : 21207C0205C DATED: 08/19/2010.

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.

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:



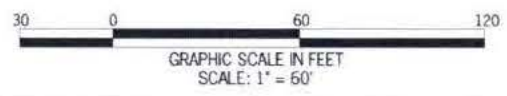
JAMESTOWN RELO

SITE NO. KYLEX2042
 CITY OF JAMESTOWN
 RUSSELL COUNTY,
 KENTUCKY

DRAWN BY: AKG	SHEET:
CHECKED BY: JKL	1
APPROVED: D. MILLER	DATE: FEBRUARY 18, 2020
P2P JOB #: 200123KY	OF 2

LEGEND

POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
IPS	IRON PIN SET
IPF	IRON PIN FOUND
CMF	CONCRETE MONUMENT FOUND
UP	UTILITY POLE
EP	EDGE OF PAVEMENT
R/W	RIGHT-OF-WAY
N/F	NOW OR FORMERLY
TR	TRANSFORMER
FH	FIRE HYDRANT
WV	WATER VALVE
SSMH	SANITARY SEWER MANHOLE
CLF	CHAIN LINK FENCE
TBM	TEMPORARY BENCH MARK
SD	SIGHT DISTANCE
GW	GLY WIRE



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.

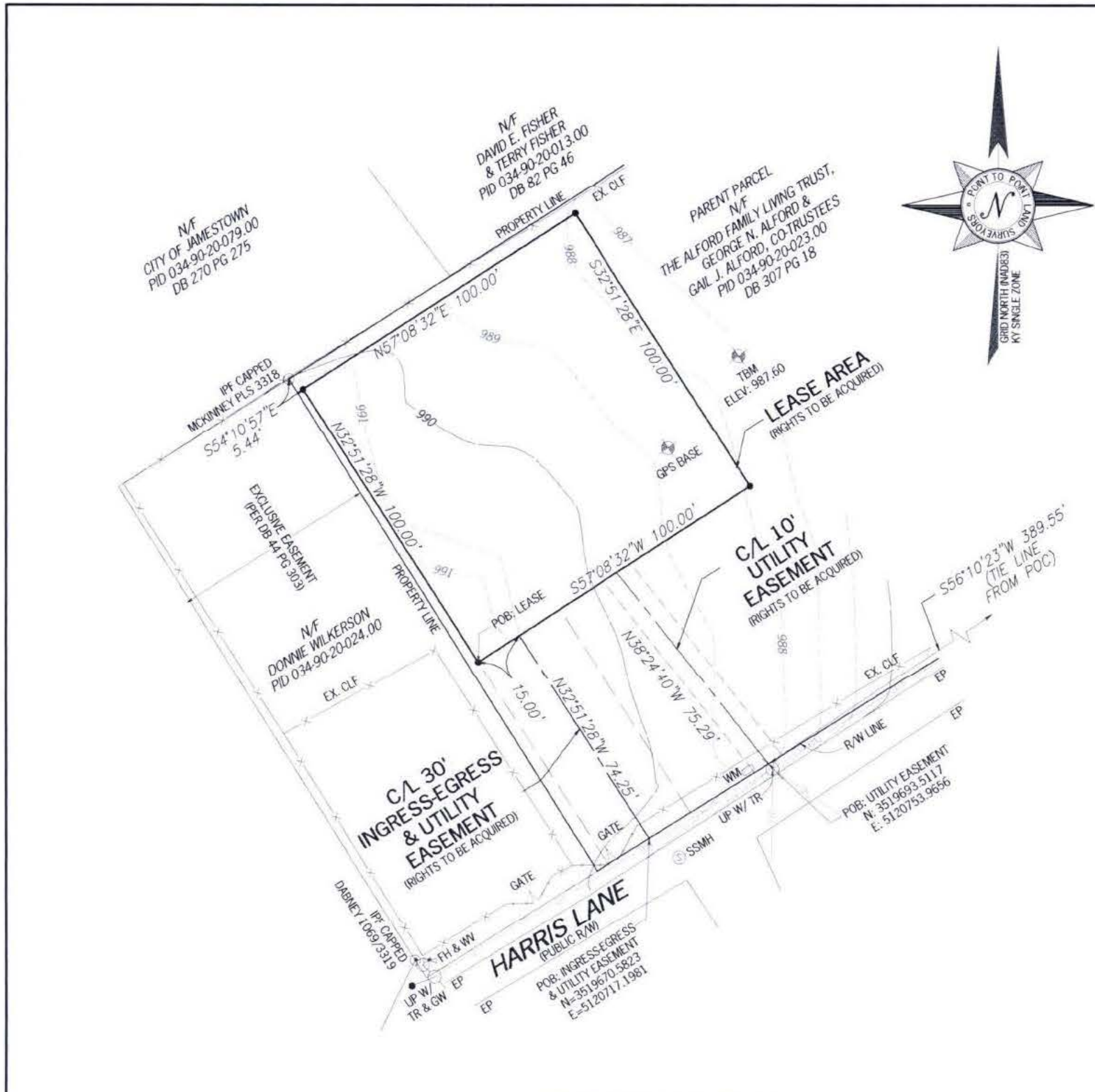
G. Darrell Taylor
 G. DARRELL TAYLOR, PLS 4179
 09/08/2020
 DATE



**Know what's below.
 Call before you dig.**

SURVEY NOT VALID WITHOUT SHEET 2 OF 2

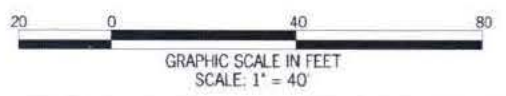
E:\Onbox\Point to Point\200123KY\200123KY.dwg



- LEGEND**
- POB POINT OF BEGINNING
 - POC POINT OF COMMENCEMENT
 - IPS IRON PIN SET
 - IPF IRON PIN FOUND
 - CMF CONCRETE MONUMENT FOUND
 - UP UTILITY POLE
 - EP EDGE OF PAVEMENT
 - R/W RIGHT-OF-WAY
 - N/F NOW OR FORMERLY
 - TR TRANSFORMER
 - TH FIRE HYDRANT
 - WV WATER VALVE
 - SSMH SANITARY SEWER MANHOLE
 - CLF CHAIN LINK FENCE
 - TBM TEMPORARY BENCH MARK
 - SD SIGHT DISTANCE
 - GW GUY WIRE

SITE INFORMATION

LEASE AREA = 10,000 SQUARE FEET (0.2296 ACRES)
 LATITUDE = 36°59'15.31" (NAD 83) (36.987586°)
 LONGITUDE = -85°04'01.99" (NAD 83) (-85.067219°)
 AT CENTER OF LEASE AREA
 ELEVATION AT CENTER OF LEASE AREA = 990.0' A.M.S.L.



PARENT PARCEL

(AS PROVIDED PER ORDER NO. 30660971)
 PROPERTY LOCATED IN RUSSELL COUNTY, KENTUCKY

A CERTAIN TRACT OR PARCEL OF LAND, LYING OR BEING IN RUSSELL COUNTY, KENTUCKY, IN THE CITY OF JAMESTOWN, DESCRIBED AS FOLLOWS:

BEGINNING AT A PIN ON THE NORTH SIDE OF HARRIS LANE AND CORNER IN CAR WASH PROPERTY (DB 90, P 647); THENCE N 34 27 W 125 FEET TO A STAKE AND CORNER TO DUNBAR; THENCE S 58 24 W 82 FEET TO A POST AND CORNER TO DUNBAR; THENCE N 34 27 W 56 FEET TO A STAKE AND CORNER TO DUNBAR; THENCE S 58 56 W 200 FEET TO A STAKE AND CORNER TO FISHER (DB 82 P 446); THENCE S 58 56 W 49 FEET TO A STAKE; THENCE S 27 58 E 211 FEET TO A PIN AT HARRIS LANE; THENCE WITH SAID STREET N 58 24 E 354.7 FEET TO THE POINT OF BEGINNING, CONTAINING APPROXIMATELY ONE AND THREE-EIGHTHS (1-3/8) ACRES, MORE OR LESS.

AND BEING THE SAME PROPERTY CONVEYED TO THE ALFORD FAMILY LIVING TRUST, BY AND THROUGH ITS CO-TRUSTEES, GEORGE N. ALFORD AND GAIL J. ALFORD FROM DONNIE WILKERSON & RHONDA WILKERSON BY GENERAL WARRANTY DEED DATED SEPTEMBER 26, 2014 AND RECORDED SEPTEMBER 29, 2014 IN DEED BOOK 307, PAGE 18.

TAX PARCEL NO. 034-90-20-023.00

30' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 30-FOOT WIDE INGRESS-EGRESS AND UTILITY EASEMENT (LYING 15 FEET EACH SIDE OF CENTERLINE) LYING AND BEING IN THE CITY OF JAMESTOWN, RUSSELL COUNTY, KENTUCKY, AND BEING PART OF THE LANDS OF THE ALFORD FAMILY LIVING TRUST, GEORGE N. ALFORD AND GAIL J. ALFORD, CO-TRUSTEES, AS RECORDED IN DEED BOOK 307 PAGE 18, RUSSELL COUNTY RECORDS, RUSSELL COUNTY, KENTUCKY, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT AN IRON PIN FOUND AT THE WESTERLY RIGHT-OF-WAY LINE OF N MAIN ST, SAID IRON PIN FOUND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519910.3678, E: 5121077.5706; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG A TIE LINE, SOUTH 56°21'39" WEST, 432.86 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF HARRIS LANE HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519670.5823, E: 5120717.1981 AND THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, NORTH 32°51'28" WEST, 74.25 FEET TO THE ENDING AT A POINT ON THE LEASE AREA.

BEARINGS ARE BASED ON KENTUCKY GRID NORTH, NAD83, SINGLE ZONE.

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN THE CITY OF JAMESTOWN, RUSSELL COUNTY, KENTUCKY, AND BEING PART OF THE LANDS OF THE ALFORD FAMILY LIVING TRUST, GEORGE N. ALFORD AND GAIL J. ALFORD, CO-TRUSTEES, AS RECORDED IN DEED BOOK 307 PAGE 18, RUSSELL COUNTY RECORDS, RUSSELL COUNTY, KENTUCKY, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT AN IRON PIN FOUND AT THE WESTERLY RIGHT-OF-WAY LINE OF N MAIN ST, SAID IRON PIN FOUND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519910.3678, E: 5121077.5706; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG A TIE LINE, SOUTH 56°21'39" WEST, 432.86 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF HARRIS LANE HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519670.5823, E: 5120717.1981; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, NORTH 32°51'28" WEST, 74.25 FEET TO A POINT ON THE LEASE AREA; THENCE RUNNING ALONG SAID LEASE AREA, SOUTH 57°08'32" WEST, 15.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, NORTH 32°51'28" WEST, 100.00 FEET TO A POINT, SAID POINT BEING SOUTH 54°10'57" EAST, 5.44 FEET FROM A REBAR FOUND (CAPPED: MCKINNEY PLS 3318) AT THE NORTHWEST CORNER OF SAID ALFORD LANDS; THENCE, NORTH 57°08'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 32°51'28" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 57°08'32" WEST, 100.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARINGS ARE BASED ON KENTUCKY GRID NORTH, NAD83, SINGLE ZONE.

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

10' UTILITY EASEMENT

TOGETHER WITH A 10-FOOT WIDE UTILITY EASEMENT (LYING 5 FEET EACH SIDE OF CENTERLINE) LYING AND BEING IN THE CITY OF JAMESTOWN, RUSSELL COUNTY, KENTUCKY, AND BEING PART OF THE LANDS OF THE ALFORD FAMILY LIVING TRUST, GEORGE N. ALFORD AND GAIL J. ALFORD, CO-TRUSTEES, AS RECORDED IN DEED BOOK 307 PAGE 18, RUSSELL COUNTY RECORDS, RUSSELL COUNTY, KENTUCKY, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

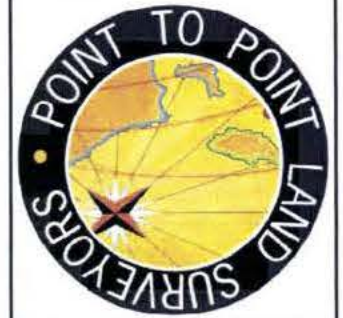
TO FIND THE POINT OF BEGINNING, COMMENCE AT AN IRON PIN FOUND AT THE WESTERLY RIGHT-OF-WAY LINE OF N MAIN ST, SAID IRON PIN FOUND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519910.3678, E: 5121077.5706; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG A TIE LINE, SOUTH 56°10'23" WEST, 389.55 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF HARRIS LANE HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519693.5117, E: 5120753.9656 AND THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, NORTH 38°24'40" WEST, 75.29 FEET TO THE ENDING AT A POINT ON THE LEASE AREA.

BEARINGS ARE BASED ON KENTUCKY GRID NORTH, NAD83, SINGLE ZONE.

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

NO.	DATE	REVISION
1	6/22/2020	E911 ADDRESS
2	09/08/2020	ADDED UTIL ESMT - NRW

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:



JAMESTOWN RELO

SITE NO. KYLEX2042

CITY OF JAMESTOWN
 RUSSELL COUNTY,
 KENTUCKY

DRAWN BY: AKG	SHEET:
CHECKED BY: JKL	2
APPROVED: D. MILLER	
DATE: FEBRUARY 18, 2020	
P2P JOB #: 200123KY	OF 2

SURVEY NOT VALID WITHOUT SHEET 1 OF 2

E:\Projects\Point to Point\PPP - Current Jobs\2020\00123KY\KYLE2042 - Jamestown Relo\200123KY.dwg



#	OWNER	ADDRESS	PID	REF
1	THE ALFORD FAMILY LIVING TRUST	82 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-023.00	DB 307 PG 18
2	DONALD & RHONDA WILKERSON	263 MAIN STREET JAMESTOWN, KY 42629	034-90-20-024.00	-
3	CITY OF JAMESTOWN	KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-079.00	DB 270 PG 275
4	DAVID E. & TERRY FISHER	65 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-013.00	DB 82 PG 46
5	RUBY GAIL KEAN	55 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-015.00	DB 334 PG 566
6	RUBY GAIL KEAN	45 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-016.00	NO RECORD FND
7	DEANA ROY GRIDER	309 MAIN STREET JAMESTOWN, KY 42629	034-90-20-021.00	DB 280 PG 123
8	THE ALFORD FAMILY LIVING TRUST	MAIN ST. & HARRIS LN. JAMESTOWN, KY 42629	034-90-20-022.00	DB 253 PG 173
9	KENNETH W & CLEDA HADLEY	294 MAIN STREET JAMESTOWN, KY 42629	034-90 05 001.00	-
10	KENNETH W & CLEDA HADLEY	282 MAIN STREET JAMESTOWN, KY 42629	034-90 05 029.00	-
11	WESTON FAMILY TRUST C/O MARK WESTON & MARIA WELCH TRUSTEE	268 MAIN STREET JAMESTOWN, KY 42629	034-90 05 028.00	-
12	PHILLIP & HELEN GASKIN	259 N. MAIN STREET JAMESTOWN, KY 42629	034-90-20-028.00	-
13	JEFFERY THOMAS WILLIAMS	265 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-027.00	-
14	MELISSA FINCH	89 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-026.00	-
15	BANK OF JAMESTOWN	217 N. MAIN STREET JAMESTOWN, KY 42629	034-90-20-030.00	-
16	CITY OF JAMESTOWN	MAIN STREET JAMESTOWN, KY 42629	034-90-20-029.00	-
17	DON J. & PAMELA R. COOPER	422 SHELBY STREET JAMESTOWN, KY 42629	034-90-20-078.00	-
18	CONNIE JO TAYLOR	95 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-012.00	-
19	GRIDER DESDAP TRUST	86 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-011.00	-
20	SHERRY A. WELLS	70 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-010.00	-
21	MICHAEL & APRIL RUSH	54 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-009.01	-
22	JANSEN C. HOPPER	56 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-009.00	-
23	LOY JEFFERY T & DONNA G. TRUST	385 N. MAIN STREET JAMESTOWN, KY 42629	034-90-20-007.00	-
24	GREG & JODI POPPLEWELL	40 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-008.00	-
25	JUDY L. JONES	15 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-017.00	-
26	JUDY L. JONES	MAIN STREET JAMESTOWN, KY 42629	034-90-20-018.00	-
27	RICHARD G. & KIMBERLY A. ELKINS	331 MAIN STREET JAMESTOWN, KY 42629	034-90-20-019.00	-
28	FIRST NATIONAL BANK OF RUSSELL SPRINGS	340 N. MAIN STREET JAMESTOWN, KY 42629	034-90-03-019.00	-
29	MATTHEW WHEELER	316 N. MAIN STREET JAMESTOWN, KY 42629	034-90-03-018.00	-

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 6/24/2020 FROM THE OFFICIAL RECORDS OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.
2. THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
3. NOT FOR RECORDING OR PROPERTY TRANSFER.

1 500' RADIUS & ADJOINER'S DRAWING
SCALE: 1" = 200'



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



HARMONI TOWERS
JAMESTOWN
FA# 15147584
PACE# MRTNK047953
PT# 10115675
82 HARRIS LANE
JAMESTOWN, KY 42629
RUSSELL COUNTY
PROPOSED 210' SELF-SUPPORT TOWER

PROJECT NO: G013733000
CHECKED BY: DLS

ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
1	09/09/20	DLS	FINAL
2	09/14/20	MAS	FINAL
3	10/16/20	MAS	FINAL

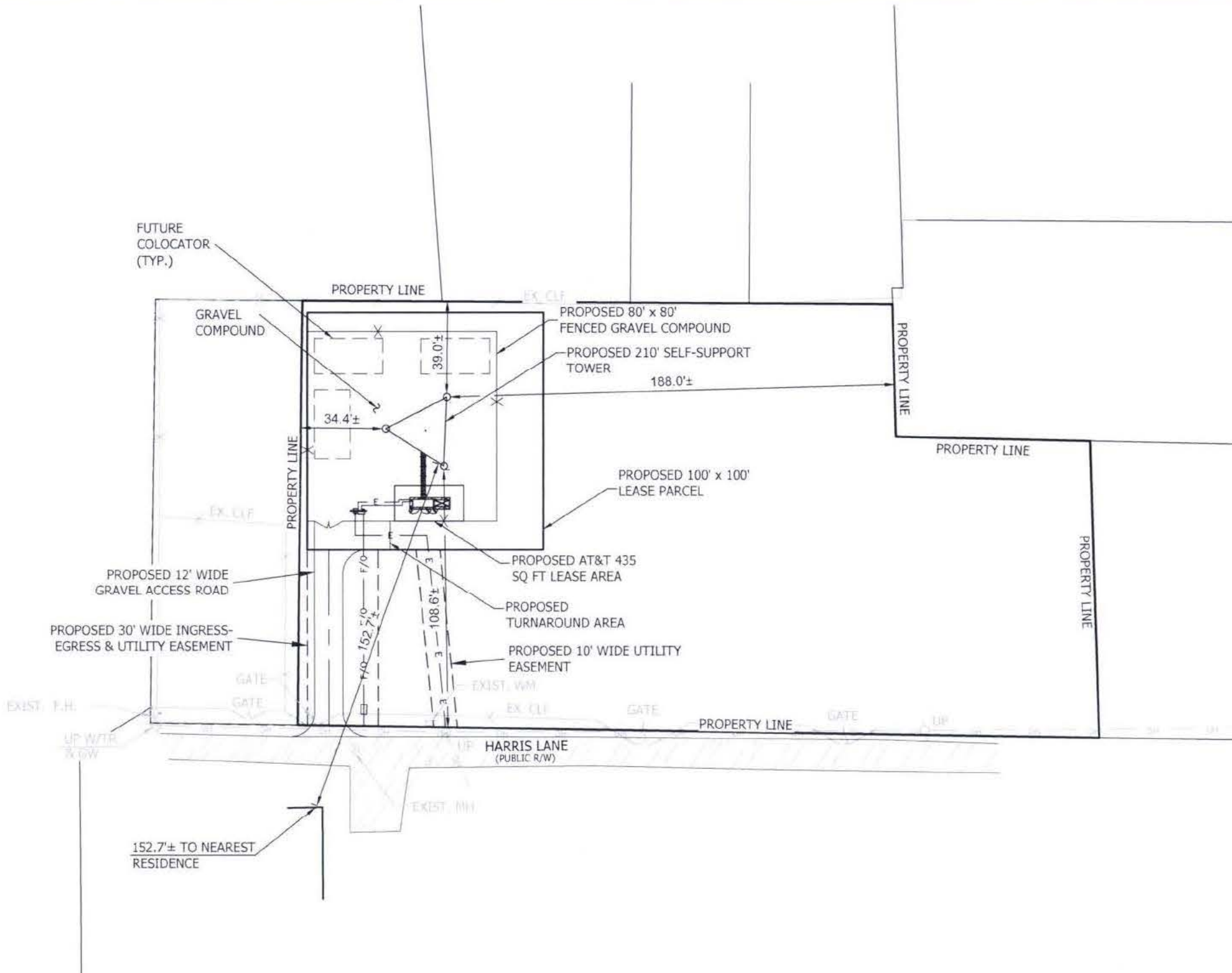
B&T ENGINEERING, INC.
COA 4011
Expires 12/31/20



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



NOTES:

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

2. CENTER OF TOWER:

LATITUDE: NORTH 36°59'15.31" (36.987586) NAD 83
 LONGITUDE: WEST -85°04'01.99" (-85.067219) NAD 83
 GROUND ELEVATION @ 990.0' A.M.S.L. NAVD 88

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

- NORTHWEST: 39.0'±
- SOUTHWEST: 34.4'±
- SOUTHEAST: 108.6'±
- NORTHEAST: 188.0'±



HARMONI TOWERS
JAMESTOWN
 FA# 15147584
 PACE# MRTNK047953
 PT# 10115675
 82 HARRIS LANE
 JAMESTOWN, KY 42629
 RUSSELL COUNTY
 PROPOSED 210' SELF-SUPPORT TOWER

PROJECT NO: G013735000
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
1	09/09/20	DLS	FINAL
2	09/14/20	MAS	FINAL
3	10/16/20	MAS	FINAL

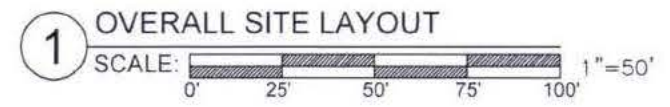
B&T ENGINEERING, INC.
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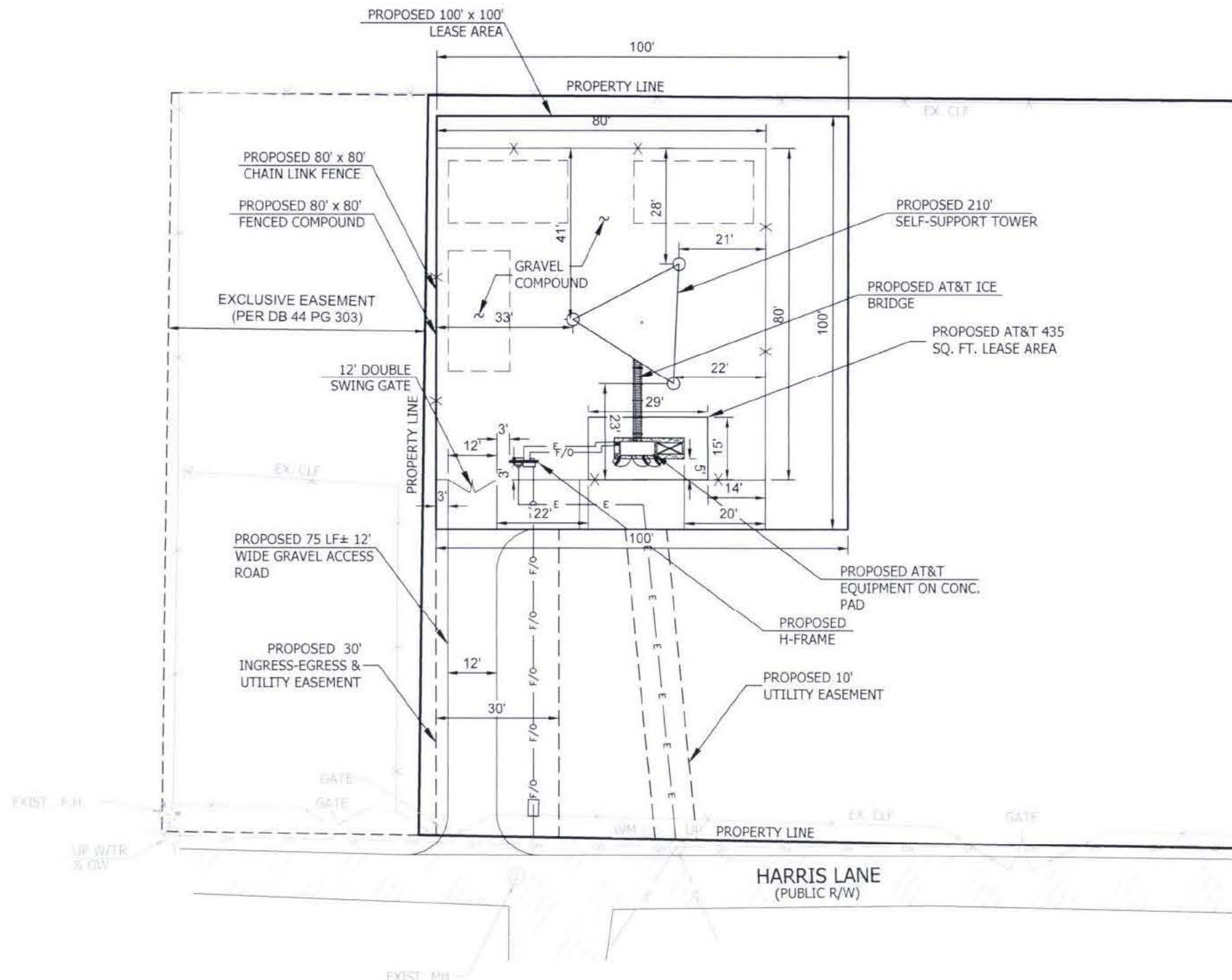
OVERALL SITE LAYOUT

SHEET NUMBER:
C-2



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





HARMONI TOWERS
JAMESTOWN
 FA# 15147584
 PACE# MRTNK047953
 PT# 10115675
 82 HARRIS LANE
 JAMESTOWN, KY 42629
 RUSSELL COUNTY
 PROPOSED 210' SELF-SUPPORT TOWER

PROJECT NO: C013733000
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
1	09/09/20	DLS	FINAL
2	09/14/20	MAS	FINAL
3	10/16/20	MAS	FINAL

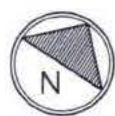
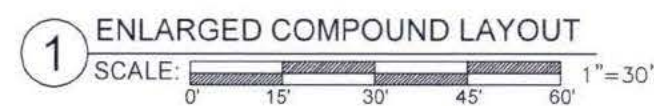
B&T ENGINEERING, INC.
 COA 4011
 Expires 12/31/20



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ENLARGED COMPOUND LAYOUT

SHEET NUMBER:
C-3

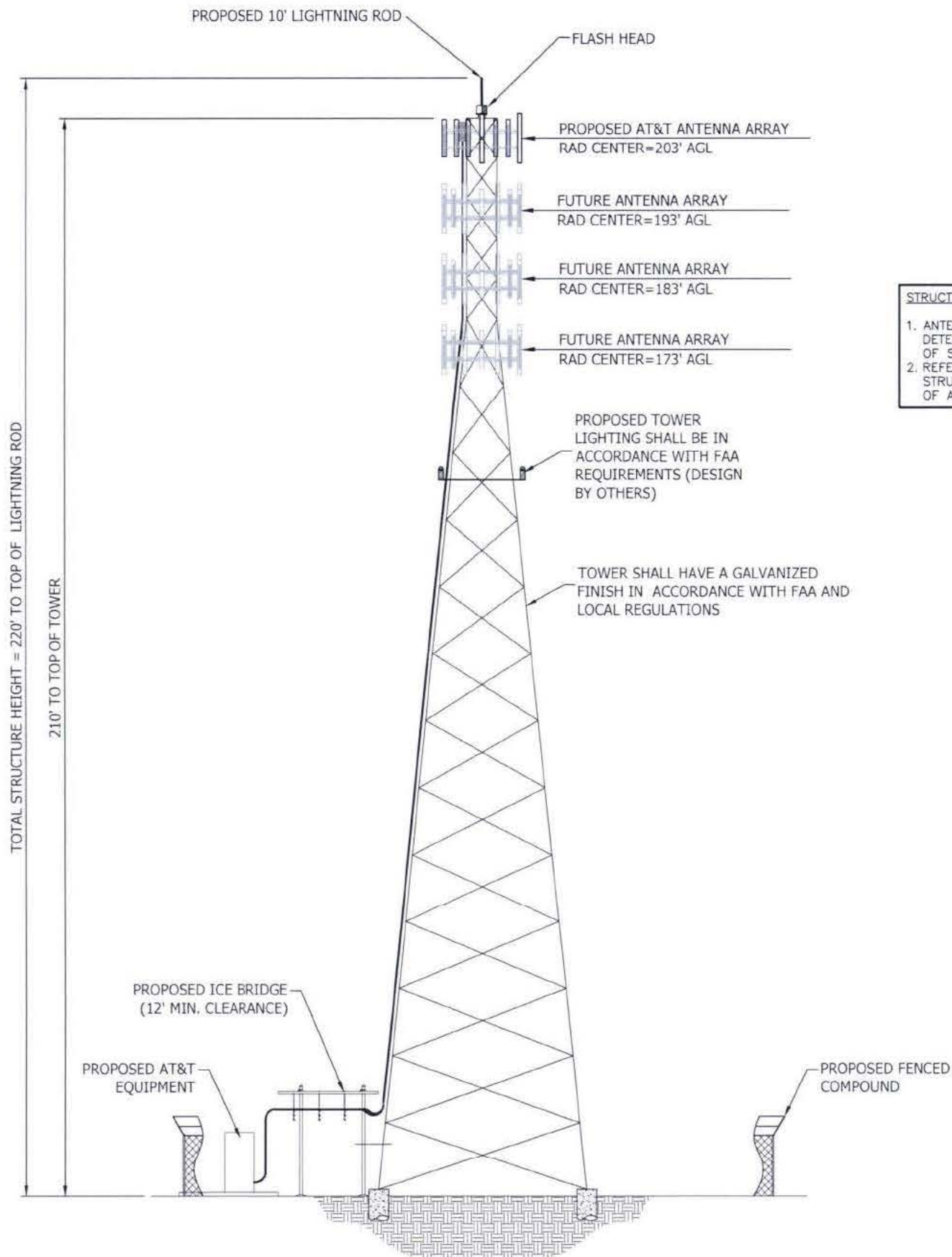


THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.



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.

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



HARMONI TOWERS
JAMESTOWN
 FA# 15147584
 PACE# MIRTINK047953
 PT# 10115675
 82 HARRIS LANE
 JAMESTOWN, KY 42629
 RUSSELL COUNTY
 PROPOSED 240' SELF-SUPPORT TOWER

PROJECT NO: G013733000
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
1	09/09/20	DLS	FINAL
2	09/14/20	MAS	FINAL
3	10/16/20	MAS	FINAL

B&T ENGINEERING, INC.
 COA 4011
 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 – Jamestown Relo
Proposed Cell Tower
36.9875860 North Latitude, 85.0672190 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 10:58:48 -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



1 Fairholm Avenue
Peoria, IL 61603 USA
Phone 309-566-3000
FAX 309-566-3079

October 29, 2020

Uniti Towers
Attn: Tony Hines
10802 Executive Center Dr STE 300
Little Rock, AR 72211

Reference: 210 FT RT SELF SUPPORT TOWER
JAMESTOWN, KENTUCKY

File Number: 235799

<u>Copies</u>	<u>Drawing Number</u>	<u>Description</u>
1	235799-01-D1 R1	Design Sealed for the State of KENTUCKY
1	235799-01-F1 R1	Foundation
1	235799-01-F2 R1	Foundation

Email: tower_designs@uniti.com

Sincerely,

JD Long

jdd



1 Fairholm Avenue
Peoria, IL 61603 USA
Phone: (309)-566-3000
Fax: (309)-566-3079

DATE: OCTOBER 29, 2020

PURCHASER: UNITI TOWERS- LLC

PROJECT: 210 FT RT SELF SUPPORT TOWER
JAMESTOWN, KENTUCKY

FILE NUMBER: 235799

DRAWINGS: 235799-01-D1 R1 , 235799-01-F1 R1, 235799-01-F2 R1

I CERTIFY THAT THE REFERENCED DRAWINGS WERE PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH THE DESIGN AND LOADING CRITERIA SPECIFIED BY THE PURCHASER AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY.

CERTIFIED BY: _____

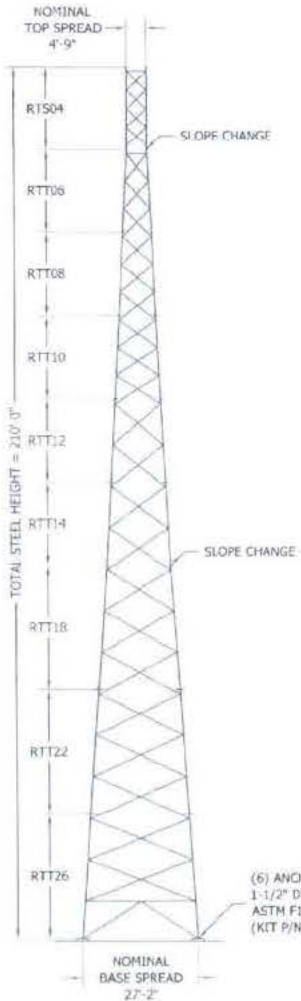
DATE: _____

10/29/20



GENERAL NOTES

- ROHN PRODUCTS, LLC TOWER DESIGNS CONFORM TO TIA-222-H UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
- THE DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN. THE DESIGN LOADING CRITERIA HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH TIA-222-H AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
- ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
- STEP BOLTS WITH SAFETY CLIMB SYSTEM ARE PROVIDED AS A CLIMBING FACILITY FOR THE INSTALLATION OF THE STRUCTURE.
- TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
- WORK SHALL BE IN ACCORDANCE WITH TIA-222-H, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES.
- THE MINIMUM YIELD STRENGTH OF STRUCTURAL STEEL MEMBERS SHALL BE 50 KSI.
- FIELD CONNECTIONS SHALL BE BOLTED. NO FIELD WELDS SHALL BE ALLOWED.
- STRUCTURAL BOLTS SHALL CONFORM TO GRADE A325 PER ASTM F3125, EXCEPT WHERE NOTED.
- STRUCTURAL STEEL AND CONNECTION BOLTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH TIA-222-H.
- ALL HIGH STRENGTH BOLTS ARE TO BE TIGHTENED TO A "SHUG TIGHT" CONDITION AS DEFINED IN THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". NO OTHER MINIMUM BOLT TENSION OR TORQUE VALUES ARE REQUIRED.
- PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
- TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1% OR MINUS 1/2%.
- DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH TIA-222-H.
- DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
- DESIGN ASSUMES ALL ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE, IF APPLICABLE.
- ALL ANTENNA MOUNTS AND SECTOR FRAMES PROVIDED BY OTHERS.
- FOUNDATIONS SHALL BE DESIGNED TO SUPPORT THE REACTIONS SHOWN FOR THE CONDITIONS EXISTING AT THE SITE.



(6) ANCHOR BOLTS (18 TOTAL)
1-1/2" DIA. X 34" LONG
ASTM F1554 Gr. 105
(KIT P/N: 18K2716RTFST)

MAXIMUM FACTORED REACTIONS	
COMPRESSION PER LEG =	360.1 KIPS
TENSION PER LEG =	310.0 KIPS
SHEAR PER LEG =	37.6 KIPS
TOTAL SHEAR =	59.5 KIPS
TOTAL O.T.M =	7,932.2 FT-KIPS



TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA-222-H USING THE FOLLOWING DESIGN CRITERIA:

RISK CATEGORY: II
 BASIC WIND SPEED (NO ICE): 105 MPH PER ASCE 7-16
 BASIC WIND SPEED (W/ICE): 30 MPH PER ASCE 7-16
 DESIGN ICE THICKNESS: 1.50 INCHES PER ASCE 7-16
 GROUND ELEVATION, Z_s: 988 FT
 EXPOSURE CATEGORY: C
 TOPOGRAPHIC METHOD: 1, CATEGORY: 1
 SEISMIC DESIGN PARAMETERS, S_s: 0.184, S₁: 0.096, T₀: 1, SITE CLASS: D

THIS STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT)	ANTENNA LOADING	LINE SIZE (NOM)
TOP	BEACON & LIGHTNING ROD	(1) 3/4" CONDUIT
205	40,000 SQ. IN., (278 SQ. FT.), MAX. EPA	(15) 1-5/8"
193	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
181	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
109	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"
157	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"

SECTION MAIN MEMBER SCHEDULE

SECTION	LEGS	DIAGONALS	HORIZONTALS
RTS04	PIPE 3.500x0.216	L1 3/4x1 3/4x3/16 (4)	N/A
RTT06	PIPE 4.500x0.337	L2x1/4 (3)	L1 3/4x1 3/4x3/16 (1)
RTT08	PIPE 5.563x0.375	L2 1/2x2 1/2x3/16 (3)	N/A
RTT10	PIPE 5.563x0.375	L2 1/2x2 1/2x3/16 (3)	N/A
RTT12	PIPE 6.625x0.432	L3x3x3/16 (2)	N/A
RTT14	PIPE 6.625x0.432	L3x3x3/16 (2)	N/A
RTT18	PIPE 8.625x0.375	L3x3x3/16 (3)	N/A
RTT22	PIPE 8.625x0.375	L3 1/2x2 1/2x1/4 (3)	N/A
RTT26	PIPE 8.625x0.500	L4x4x1/4 (2)	L3 1/2x3 1/2x1/4 (1)

NOTE:
 SECTION NUMBERS ARE FOR REFERENCE ONLY.
 FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO THE STRESS ANALYSIS.
 THE NUMBERS SHOWN IN PARENTHESES INDICATE THE NUMBER OF BAYS FROM TOP TO BOTTOM.

PLF NO: 235799

REV#	DESCRIPTION	CHK	APP
1	REVISED TOWER HEIGHT AND LOAD ELEVATIONS	PH	TH HA

DATE: 10/19/2020

ELEVATION (FT)	ANTENNA LOADING	LINE SIZE (NOM)
TOP	BEACON & LIGHTNING ROD	(1) 3/4" CONDUIT
205	40,000 SQ. IN., (278 SQ. FT.), MAX. EPA	(15) 1-5/8"
193	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
181	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
109	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"
157	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"

ELEVATION (FT)	ANTENNA LOADING	LINE SIZE (NOM)
TOP	BEACON & LIGHTNING ROD	(1) 3/4" CONDUIT
205	40,000 SQ. IN., (278 SQ. FT.), MAX. EPA	(15) 1-5/8"
193	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
181	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
109	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"
157	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"

ELEVATION (FT)	ANTENNA LOADING	LINE SIZE (NOM)
TOP	BEACON & LIGHTNING ROD	(1) 3/4" CONDUIT
205	40,000 SQ. IN., (278 SQ. FT.), MAX. EPA	(15) 1-5/8"
193	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
181	30,000 SQ. IN., (209 SQ. FT.), MAX. EPA	(15) 1-5/8"
109	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"
157	(2) 6FT STD. DISHES WITH RADOME [AZ. 0 & 180 DEG.] [2 GHz]	(2) 1-5/8"

ROHN
 PRODUCTS, LLC
 PO BOX 15999
 PEORIA, IL 61661-5999
 TOLL FREE 800-727-ROHN

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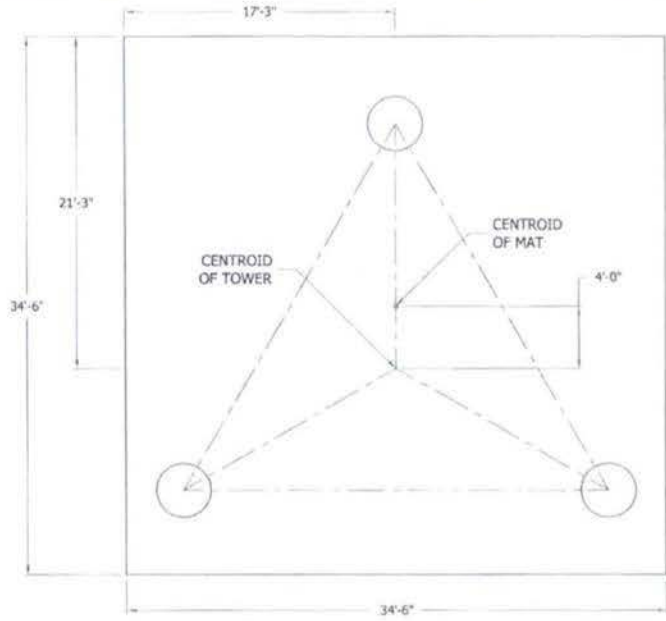
UNITI TOWERS- LLC
 DESIGN PROFILE
 210 FT RT TOWER DESIGN
 JAMESTOWN, KY

OWN:	GH	CHKD:	HA	DATE:	10/19/2020
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ENGR:	HA	SHEET #:	1 OF 1
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PRJ. ENGR:	OH	PRJ. MGR:	
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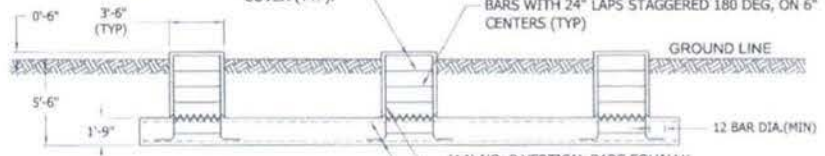
DRAWING NO:	235799-01-D1	REV:	1
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(2) NO. 4 CIRCULAR STIRRUPS ENCLOSING VERTICAL BARS @ 2'-1/2" C-C W/ 180 DEG. STAGGERED 6" MIN LAPS TERMINATED AT EACH END WITH A STD. ACI 318 HOOK ENGAGING A VERTICAL BAR WITH 2" COVER (TYP).

PLAN VIEW

NO. 4 CIRCULAR STIRRUPS ENCLOSING VERTICAL BARS WITH 24" LAPS STAGGERED 180 DEG, ON 6" CENTERS (TYP)



(36) NO. 7 HORIZONTAL BARS EQUALLY SPACED EACH WAY, TOP & BOTTOM (144 TOTAL)

(14) NO. 8 VERTICAL BARS EQUALLY SPACED ON 33" DIA. CIRCULAR CAGE (CENTERLINE OF VERT. BARS) W/ STD ACI 318 HOOKS AT BOTTOM (TYP)

ELEVATION VIEW

FACTORED REACTIONS

Maximum O.T.M = 7,932.2 FT-K
 Total Tower Wt = 57.2 KIPS
 Total Shear = 59.5 KIPS
 Max. Shear/Leg = 37.6 KIPS
 Max. Ten./Leg = 310.0 KIPS
 Max. Comp./Leg = 360.1 KIPS

CONCRETE VOLUME

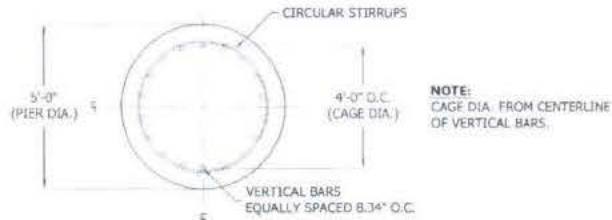
ROUND PIER 4.5 CU.YDS
 PAD 77.1 CU.YDS
 TOTAL 81.7 CU.YDS

GENERAL NOTES

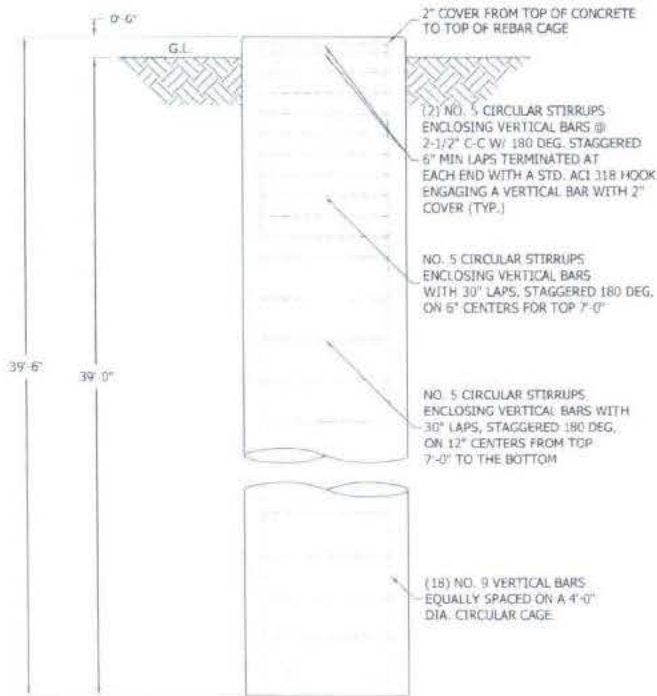
- FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA PROVIDED. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED.
 - ULTIMATE SOIL BEARING PRESSURE AT 5.5 FT DEPTH = 6,000 PSF
 - GROUND WATER TABLE IS AT OR BELOW FOUNDATION DEPTH.
 - MAXIMUM FROST PENETRATION DEPTH LESS THAN FOUNDATION DEPTH.
- WORK SHALL BE IN ACCORDANCE WITH THE PROJECT CONSTRUCTION DOCUMENTS, LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION
- CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
- PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI IN 28 DAYS.
- MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 3/4 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING SHALL BE UTILIZED TO PREVENT HONEYCOMBS OR VOIDS.
- REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED
- WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH MINIMUM COVER ON REINFORCEMENT
- CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES NOR BE LESS THAN 2 INCHES.
- FOUNDATION DESIGN ASSUMES STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D1557. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 110 POUNDS PER CUBIC FOOT.
- FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT NO. **GEO20-07034-08** DATED **9/30/2020** BY **DELTA OAKS GROUP**
- FOUNDATION DEPTH INDICATED IS BASED ON THE GRADE LINE DESCRIBED IN THE REFERENCED GEOTECHNICAL REPORT. FOUNDATION MODIFICATION MAY BE REQUIRED IN THE EVENT CUT OR FILL OPERATIONS HAVE TAKEN PLACE SUBSEQUENT TO THE GEOTECHNICAL INVESTIGATION
- FOUNDATION DESIGN ASSUMES INSTALLATION ON A PROPERLY DRAINED LEVEL SITE.
- FOUNDATION DESIGN ASSUMES THE RECOMMENDATIONS IN THE REFERENCED GEOTECHNICAL REPORT CONCERNING VERIFICATION OF SUBSURFACE CONDITIONS ARE IMPLEMENTED PRIOR TO PLACEMENT OF CONCRETE.
- FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
- ALL CONSTRUCTION AND SAFETY EQUIPMENT AND TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE CONTRACTOR BASED ON THE MEANS AND METHODS CHOSEN BY THE CONTRACTOR. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY COMPETENT, QUALIFIED AND TRAINED PERSONNEL.
- FOUNDATION DESIGN ASSUMES INSTALLATION PROCEDURES WILL INCORPORATE THE PROCEDURES RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT.
- FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
- FOR FOUNDATION AND ANCHOR TOLERANCES SEE ANCHOR ROD LAYOUT DRAWING.
- LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- CONCRETE PREFERABLY SHALL BE PLACED AGAINST UNDISTURBED SOIL. WHEN FORMS ARE NECESSARY, THEY SHALL BE REMOVED PRIOR TO PLACING STRUCTURAL BACKFILL.
- CONSTRUCTION JOINTS, IF REQUIRED AT THE BASE OF THE PIERS, SHALL BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH. FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
- TOP OF FOUNDATION SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH.
- EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" MINIMUM.

NOTE: SEE STRUCTURE ASSEMBLY DRAWING FOR FOUNDATION LAYOUT AND ANCHORAGE EMBEDMENT DRAWING NUMBER.

FILE NO.		235799		
REVISIONS				
REV	DESCRIPTION	DWN	CHK	APP
1	REVISED TOWER TO 2024	SWG	HR	HR
DATE: 10/26/2020				
PO BOX 5999 FLORIDA, IL 61601-5999 TOLL FREE 800-777-ROHN				
<small>THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF ROHN PRODUCTS, LLC.</small>				
UNITT TOWERS- LLC MAT W/RAISED PIERS FOUNDATION DESIGN JAMESTOWN- KY				
DWN	SWG	CHKD.	DATE: 10/26/2020	
ENGR.	SHEET #		1 OF 1	
PRJ. ENGR.	SWG	FILE MANGA:		
DRAWING NO:		REV		
235799-01-F1		1		



PLAN VIEW
N.T.S.



ELEVATION VIEW
N.T.S.

FACTORED REACTIONS/LEG

DOWNLOAD = 360.1 KIPS
 UPLIFT = 310 KIPS
 SHEAR = 37.5 KIPS

VOLUME OF CONCRETE

(1) FOUNDATION 28.7 CU. YDS
 (3) FOUNDATIONS 86.1 CU. YDS

GENERAL NOTES:

- FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA PROVIDED. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SURFACE CONDITIONS ENCOUNTERED.
 - DEPTH NEGLECTED FOR SKIN FRICTION = TOP 3.0 FT
 - AVERAGE ULTIMATE SKIN SHEAR FOR UPLIFT: 3.0 FT TO 6.0 FT DEPTH = 680 PSF; 6.0 FT TO 14.0 FT DEPTH = 820 PSF; 14.0 FT TO 19.0 FT DEPTH = 1100 PSF; 19.0 FT TO 24.0 FT DEPTH = 430 PSF; 24.0 FT TO 39.0 FT DEPTH = 270 PSF.
 - AVERAGE ULTIMATE SKIN SHEAR FOR DOWNLOAD: 3.0 FT TO 6.0 FT DEPTH = 680 PSF; 6.0 FT TO 14.0 FT DEPTH = 820 PSF; 14.0 FT TO 19.0 FT DEPTH = 1100 PSF; 19.0 FT TO 24.0 FT DEPTH = 570 PSF; 24.0 FT TO 39.0 FT DEPTH = 270 PSF.
 - ULTIMATE NET END BEARING AT 39.0 FT = 15.48 KSF
 - GROUNDWATER TABLE BELOW FOUNDATION DEPTH.
- WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
- CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
- PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI (31.0 MPa) IN 28 DAYS.
- MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.
- REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
- REINFORCING CAGES SHALL BE BRACED TO RETAIN PROPER DIMENSIONS DURING HANDLING AND THROUGHOUT PLACEMENT OF CONCRETE. WHEN TEMPORARY CASING IS UTILIZED, BRACING SHALL BE ADEQUATE TO RESIST FORCES OCCURRING FROM FLOWING CONCRETE DURING CASING EXTRACTION.
- WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES (76 MM) UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH (76 MM) MINIMUM COVER ON REINFORCEMENT.
- SPACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATIONS.
- FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT NO. **GE020-07034-08** DATED **9/30/2020** BY **DELTA OAKS GROUP**.
- FOUNDATION DEPTH INDICATED IS BASED ON THE GRADE LINE DESCRIBED IN THE REFERENCED GEOTECHNICAL REPORT. FOUNDATION MODIFICATION MAY BE REQUIRED IN THE EVENT CUT OR FILL OPERATIONS HAVE TAKEN PLACE SUBSEQUENT TO THE GEOTECHNICAL INVESTIGATION.
- FOUNDATION DESIGN ASSUMES THE RECOMMENDATIONS IN THE REFERENCED GEOTECHNICAL REPORT CONCERNING VERIFICATION OF SUBSURFACE CONDITIONS ARE IMPLEMENTED PRIOR TO PLACEMENT OF CONCRETE.
- FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
- FOUNDATION DESIGN ASSUMES INSTALLATION PROCEDURES WILL INCORPORATE THE PROCEDURES RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT.
- FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
- FOR FOUNDATION INSTALLATION TOLERANCES SEE STRUCTURE ASSEMBLY DRAWING.
- LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- FREE FALL CONCRETE MAY BE USED PROVIDED FALL IS VERTICAL DOWN WITHOUT HITTING SIDES OF EXCAVATION, FORMWORK, REINFORCING BARS, FORM TIES, CAGE BRACING OR OTHER OBSTRUCTIONS. UNDER NO CIRCUMSTANCES SHALL CONCRETE FALL THROUGH WATER.
- CONSTRUCTION JOINTS, IF REQUIRED AT THE BASE OF THE PIERS, MUST BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH (6 MM). FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
- TOP OF FOUNDATION OUTSIDE LIMITS OF ANCHOR BOLTS SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH. AREA INSIDE LIMITS OF ANCHOR BOLTS SHALL BE LEVEL WITH A SCRATCHED FINISH.
- EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" (19MM X 19MM) MINIMUM.
- FOUNDATION DESIGN ASSUMES CASING, IF USED, WILL NOT BE LEFT IN PLACE. EQUIPMENT, PROCEDURES, AND PROPORTIONS OF CONCRETE MATERIALS SHALL INSURE CONCRETE WILL NOT BE ADVERSELY DISTURBED UPON CASING REMOVAL.
- DRILLING FLUID, IF USED, SHALL BE FULLY DISPLACED BY CONCRETE AND SHALL NOT BE DETRIMENTAL TO CONCRETE OR SURROUNDING SOIL. CONTAMINATED CONCRETE SHALL BE REMOVED FROM TOP OF FOUNDATION AND REPLACED WITH FRESH CONCRETE.

NOTE: SEE STRUCTURE ASSEMBLY DRAWING FOR FOUNDATION LAYOUT AND ANCHORAGE EMBEDMENT DRAWING NUMBER

FILE NO.		235799		
REVISIONS:				
REV	DESCRIPTION	DWN	CHK	APP
1	REVISED FOUNDATION DESIGN	SWG	HA	
DATE: 10/29/2020				
 PO BOX 5999 FLORIDA, FL 32601-5999 TOLL FREE 800-732-ROHN				
UNITI TOWERS LLC DRILLED PIER FOUNDATION DETAILS JAMESTOWN, KY				
DWN	SWG	CHK	HA	DATE
				10/29/2020
ENG	HA	SHEET A		
		1 OF 1		
PRI. ENGR.	SWG	PRJ. MANGER		
DRAWING NO.				REV
235799-01-F2				1

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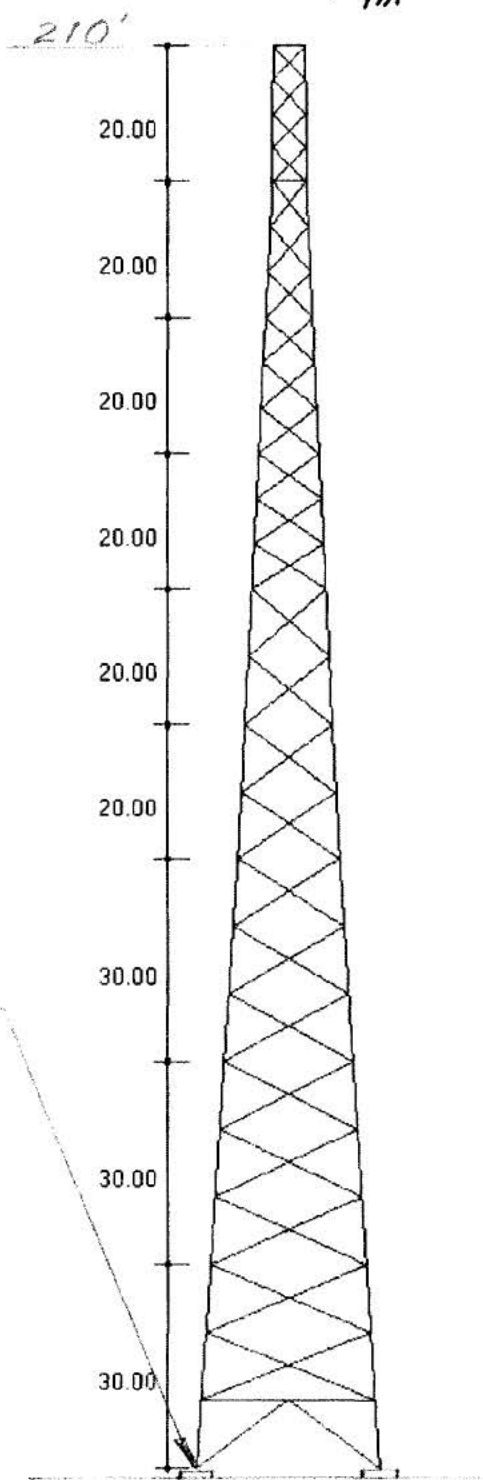
File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out
 Contract:
 Project: 210 FT RT TOWER DESIGN
 Date and Time: 10/29/2020

Revision: 0
 Site: JAMESTOWN- KY
 Engineer: OH

HA

DESIGN SPECIFICATION

Sct.	Length (ft)	Top W. (in)	Bot Width (in)
1	30.00	277.97	325.97
2	30.00	229.97	277.97
3	30.00	181.97	229.97
4	20.00	156.24	181.97
5	20.00	132.24	156.24
6	20.00	107.32	132.24
7	20.00	83.32	107.32
8	20.00	58.40	83.32
9	20.00	57.53	58.40



*(6) 1 1/2" DIA. X 74" LG. ASTM F1554
 GRADE 105 ANCHOR BOLTS PER
 TOWER LEG - (18) TOTAL*

MAXIMUM BASE REACTIONS

Download (Kips) 360.1
 Uplift (Kips) 310.0
 Shear (Kips) 37.6

TOTAL SHEAR 59.5K
TOTAL O.T.M. 7932.2 FT.KIPS



File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out
Contract:
Project: 210 FT RT TOWER DESIGN
Date and Time: 10/29/2020 11:03:15 AM

Revision: R 1
Site: JAMESTOWN- KY
Engineer: OH

Section A: PROJECT DATA

Project Title: 210 FT RT TOWER DESIGN
Customer Name: UNIFI TOWERS- LLC
Site: JAMESTOWN- KY
Contract No.:
Revision: [R 1]
Engineer: OH
Date: Oct 29 2020
Time: 11:02:18 AM
Project Notes: [NEW HT. 210]

[Design Standard: ANSI/TIA-222-H-2017]

GENERAL DESIGN CONDITIONS

Start wind direction: 0.00 (Deg)
End wind direction: 330.00 (Deg)
Increment wind direction: 30.00 (Deg)
Elevation above ground: 0.00 (ft)
Mean elevation of base of structure above sea level 2s: 988.00(ft)
Rooftop wind speed up factor Ks: 1.00
Cust Response Factor Ch: 0.85
Risk category: II
Exposure category: C
Topographic category: 1
Material Density: 490.1(lbs/ft³)
Young's Modulus: 29000.0(ksi)
Poisson Ratio: 0.30
Weight Multiplier: 1.25
Minimum Bracing Resistance as per 4.4.1

WIND ONLY CONDITIONS:

Basic Wind Speed (No Ice): 105.00(mph)
Directionality Factor Kd: 0.85
Importance Factor I: 1.00
Wind Load Factor: 1.00
Dead Load Factor: 1.20
Dead Load Factor for Uplift: 0.90

WIND AND ICE CONDITIONS:

Basic Wind Speed (With Ice): 30.00(mph)
Directionality Factor Kd: 0.85
Wind Load Importance Factor Iw: 1.00
Ice Thickness Importance Factor Ii: 1.00
Ice Thickness: 1.50(in)
Ice Density: 56.19(lbs/ft³)
Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Load Factor: 1.00

WIND ONLY SERVICEABILITY CONDITIONS:

Serviceability Wind Speed: 60.00(mph)
Directionality Factor Kd: 0.85
Importance Factor I: 1.00
Wind Load Factor: 1.00
Dead Load Factor: 1.00

PATTERN LOADINGS (IF APPLICABLE) CONDITIONS:

Basic Wind Speed (No Ice): 105.00(mph)
Directionality Factor Kd: 0.85
Importance Factor I: 1.00

File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out
Contract:
Project: 210 FT RT TOWER DESIGN
Date and Time: 10/29/2020 11:03:15 AM

Revision: R 1
Site: JAMESTOWN- KY
Engineer: OH

Wind Load Factor: 1.00
Dead Load Factor: 1.20
Dead Load Factor for Uplift: 0.90

EARTHQUAKE CONDITIONS:
Site class definition: D
Spectral response acceleration Ss: 0.184
Spectral response acceleration Sl: 0.096
Long-period transition period TL: 12.000
Acceleration-based site coefficient Fa: 1.600
Velocity-based site coefficient Fv: 2.400
Design spectral response acceleration Sds: 0.196
Design spectral response acceleration Sdl: 0.154
Seismic analysis method: 1
Fundamental frequency of structure fl: 0.945
Total seismic shear Vs (Kips) : 2.77

Analysis performed using: TowerSoft Finite Element Analysis Program

File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out

Contract:

Project: 210 FT RT TOWER DESIGN

Date and Time: 10/29/2020 11:03:15 AM

Revision: R 1

Site: JAMESTOWN- KY

Engineer: OH

9/4	Leg	PIPE 3.500x0.216	A500 gr.CSTension	5-0.875	A325X						
9/4	Diag	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572 gr.50		2.000
9/4	Horiz	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A529 gr.50		2.000
9/3	Leg	PIPE 3.500x0.216	A500 gr.CSTension	5-0.875	A325X						
9/3	Diag	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572 gr.50		2.000
9/2	Leg	PIPE 3.500x0.216	A500 gr.CSTension	5-0.875	A325X						
9/2	Diag	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1 0.625	A325X	1.500	0.875	0.250	A572 gr.50		2.000
9/1	Leg	PIPE 3.500x0.216	A500 gr.CSTension	5-0.875	A325X						
9/1	Diag	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572 gr.50		2.000
8/3	Leg	PIPE 4.500x0.337	A500 gr.CSTension	5 1.000	A325X						
8/3	Diag	L2x2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572 gr.50		2.000
8/3	Horiz	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A529 gr.50		1.875
8/2	Leg	PIPE 4.500x0.337	A500 gr.CSTension	5-1.000	A325X						
8/2	Diag	L2x2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572 gr.50		2.000
8/1	Leg	PIPE 4.500x0.337	A500 gr.CSTension	5-1.000	A325X						
8/1	Diag	L2x2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572 gr.50		2.000
7/3	Leg	PIPE 5.563x0.375	A500 gr.CSTension	5-1.000	A325X						
7/3	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50		2.000
7/2	Leg	PIPE 5.563x0.375	A500 gr.CSTension	5-1.000	A325X						
7/2	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50		2.000
7/1	Leg	PIPE 5.563x0.375	A500 gr.CSTension	5-1.000	A325X						
7/1	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50		2.000
6/3	Leg	PIPE 5.563x0.375	A500 gr.CSTension	6-1.000	A325X						
6/3	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50		2.000
6/2	Leg	PIPE 5.563x0.375	A500 gr.CSTension	6-1.000	A325X						
6/2	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50		2.000
6/1	Leg	PIPE 5.563x0.375	A500 gr.CSTension	6-1.000	A325X						
6/1	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50		2.000
5/2	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.000	A325X						
5/2	Diag	L3x3x3/16	A529 gr.50Bolted	2-0.625	A325X	1.125	1.625	0.375	A572 gr.50		2.000
5/1	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.000	A325X						
5/1	Diag	L3x3x3/16	A529 gr.50Bolted	2-0.625	A325X	1.125	1.625	0.375	A572 gr.50		2.000
4/2	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.500	A325X						
4/2	Diag	L3x3x3/16	A529 gr.50Bolted	2-0.625	A325X	1.125	1.812	0.375	A572 gr.50		2.000
4/1	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.500	A325X						
4/1	Diag	L3x3x3/16	A529 gr.50Bolted	2-0.625	A325X	1.125	1.812	0.375	A572 gr.50		2.000
3/2	Leg	PIPE 6.625x0.375	A500 gr.CSTension	6-1.500	A325X						
3/2	Diag	L3x3x3/16	A529 gr.50Bolted	2 0.625	A325X	1.125	1.812	0.375	A572 gr.50		2.000

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3/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X						
3/2	Diag	L3x3x3/16	A529 gr.50Bolted	2-0.625	A325X	1.125	1.812	0.375	A572 gr.50		2.000
3/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X						
3/1	Diag	L3x3x3/16	A529 gr.50Bolted	2-0.625	A325X	1.125	1.812	0.375	A572 gr.50		2.000
2/3	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X						
2/3	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.125	0.375	A572 gr.50		2.000
2/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X						
2/2	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.125	0.375	A572 gr.50		2.000
2/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X						
2/1	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.125	0.375	A572 gr.50		2.000
1/3	Leg	PIPE 8.625x0.500	A500 gr.CSTension	6-1.500	A325X						
1/3	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.500	0.375	A572 gr.50		2.000
1/2	Leg	PIPE 8.625x0.500	A500 gr.CSTension	6-1.500	A325X						
1/2	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.500	0.375	A572 gr.50		2.000
1/1	Leg	PIPE 8.625x0.500	A500 gr.CSTension	6-1.500	A325X						
1/1	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.500	0.375	A572 gr.50		2.000
1/1	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2 0.625	A325X	1.125	2.125	0.375	A572 gr.50		2.000
1/1	PlanHi	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.750	0.250	A529 gr.50		2.000

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Section C: ANTENNA DATA

Structure Azimuth from North: 0

ANTENNAS

Ant No.	Elev. (ft)	Antenna (#) Type	Ant. Azim.	Mount. Radius (ft)	Mount Type	Tx Line (#)Type	Mounting Pipe Size (in)	Length (ft)	Ka
1	169.00	(1) SD6ft TIA Radome with radome	0	5.00				Full Shielded	
		Vert. Offset 0.00 (ft)							
2	169.00	(1) SD6ft TIA Radome with radome	180	5.00					
		Vert. Offset 0.00 (ft)							
3	157.00	(1) SD6ft TIA Radome with radome	0	5.50					
		Vert. Offset 0.00 (ft)							
4	157.00	(1) SD6ft TIA Radome with radome	180	5.50					
		Vert. Offset 0.00 (ft)							

ANTENNA AND MOUNT WIND AREAS AND WEIGHTS

Ant No.	Antenna/Mount	Frontal Bare Area (ft)^2	Lateral Bare Area (ft)^2	Frontal Iced Area (ft)^2	Lateral Iced Area (ft)^2	Weight Bare (lbs)	Weight Iced (lbs)	Frequency GHz	Allowable Signal Loss dB	Gh Mount Ka
1	SD6ft TIA Radome with radome	24.41	3.78	24.41	3.78	140.00	718.64	2.00	10	0.85
2	SD6ft TIA Radome with radome	24.41	3.78	24.41	3.78	140.00	718.64	2.00	10	0.85
3	SD6ft TIA Radome with radome	24.41	3.78	24.41	3.78	140.00	714.68	2.00	10	0.85
4	SD6ft TIA Radome with radome	24.41	3.78	24.41	3.78	140.00	714.68	2.00	10	0.85

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Section D: TRANSMISSION LINE DATA

Transmission Lines Position

No.	Bot El (ft)	Top El (ft)	Desc.	Radius (ft)	Az.	Orient.	No.	No. of Rows	Vert.	Antenna	User Ka
1	0.00	210.00	3/8 CABLE	20.00	0.00	0.00	1	1	No		
2	0.00	210.00	RCO.75-Cnd	13.67	60.00	5.00	1	1	No		
3	0.00	210.00	TX Ladder	9.05	60.00	30.00	1	1	No		
4	169.00	200.00	LDF7P-50A	2.35	60.00	30.00	15	2	No		
5	0.00	195.00	TX Ladder	9.05	180.00	150.00	1	1	No		
6	157.00	193.00	LDF7P-50A	2.75	180.00	150.00	15	2	No		
7	0.00	185.00	TX Ladder	9.05	300.00	270.00	1	1	No		
8	0.00	181.00	LDF7P-50A	9.05	300.00	270.00	15	2	No		
9	0.00	169.00	LDF7P-50A	9.05	60.00	30.00	17	2	No		
10	0.00	157.00	LDF7P-50A	9.05	180.00	150.00	17	2	No		

Transmission Lines Details

No.	Desc.	Width (in)	Depth (in)	Unit Mass (lb/ft)	Line Spacing (in)	Row Spacing (in)
1	3/8 CABLE	0.38	0.38	1.00	2.750	2.750
2	RCO.75-Cnd	1.05	1.05	1.09	2.750	2.750
3	TX Ladder	4.70	1.50	4.00	2.750	2.750
4	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
5	TX Ladder	4.70	1.50	4.00	2.750	2.750
6	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
7	TX Ladder	4.70	1.50	4.00	2.750	2.750
8	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
9	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
10	LDF7P-50A	2.01	2.01	0.92	2.250	2.750

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Section F: POINT LOAD DATA

Structure Azimuth from North:0.00

POINT LOADS

No.	Description	Elev. (ft)	Radius (ft)	Azim. (Deg)	Orient. (Deg)	Vertical Offset (ft)	Tx Line	Comments
1	BEACON & LR	210.00	2.60	0.0	0.0	0.00		
2	40,000 SQ-IN MAX EPA	205.00	1.00	0.0	0.0	0.00		
3	30,000 SQ-IN MAX EPA	193.00	1.00	120.0	120.0	0.00		
4	30,000 SQ-IN MAX EPA	181.00	1.00	240.0	240.0	0.00		

POINT LOADS WIND AREAS AND WEIGHTS

No.	Description	Frontal Bare Area (ft^2)	Lateral Bare Area (ft^2)	Frontal Iced Area (ft^2)	Lateral Iced Area (ft^2)	Weight Bare (Kips)	Weight Iced (Kips)	Gh
1	BEACON & LR	5.00	5.00	10.00	10.00	0.25	0.50	0.85
2	40,000 SQ-IN MAX EPA	278.00	278.00	556.00	556.00	4.00	8.00	0.85
3	30,000 SQ-IN MAX EPA	209.00	209.00	418.00	418.00	3.00	6.00	0.85
4	30,000 SQ-IN MAX EPA	209.00	209.00	418.00	418.00	3.00	6.00	0.85

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Section H: STRUCTURE DISPLACEMENT DATA

Load Combination: Max Envelope

Wind Direction: Maximum displacements

Node	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert. Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist (Deg)
84	210.0	26.2	25.3	-0.3	1.27	1.23	-0.21
81	205.0	24.9	24.0	-0.3	1.31	1.27	-0.22
78	200.0	23.6	22.7	-0.3	1.27	1.24	0.17
75	195.0	22.2	21.4	-0.3	1.25	1.22	0.14
72	190.0	20.9	20.1	-0.3	1.20	1.16	-0.11
69	183.3	19.2	18.5	-0.3	1.16	1.12	-0.08
66	176.7	17.6	16.9	-0.3	1.08	1.05	-0.07
63	170.0	16.1	15.4	-0.3	1.05	1.01	-0.06
60	163.3	14.6	14.0	-0.3	0.97	0.94	0.05
57	156.7	13.3	12.7	-0.3	0.94	-0.90	0.05
54	150.0	12.0	11.5	-0.3	0.85	0.82	0.04
51	143.3	10.8	10.3	-0.3	0.83	-0.79	0.04
48	136.7	9.6	9.2	-0.2	0.72	0.70	-0.03
45	130.0	8.6	8.2	-0.2	0.70	-0.67	0.03
42	120.0	7.2	6.8	-0.2	0.58	0.56	-0.05
39	110.0	5.9	5.7	-0.2	0.57	-0.54	-0.03
36	100.0	4.8	4.5	-0.2	0.44	0.42	-0.05
33	90.0	3.8	3.7	-0.2	0.43	-0.41	-0.03
30	80.0	2.9	2.9	-0.2	0.32	0.31	-0.03
27	70.0	2.3	2.2	-0.1	0.32	-0.30	-0.02
24	60.0	1.6	1.5	-0.1	0.22	0.21	-0.02
21	50.0	1.1	1.1	-0.1	0.21	-0.20	-0.01
18	40.0	0.7	0.7	-0.1	0.13	0.12	-0.02
15	30.0	0.4	-0.4	-0.1	0.11	-0.11	0.00
12	20.0	0.2	0.2	0.0	0.06	0.06	-0.01
9	10.0	0.1	-0.1	0.0	0.03	-0.03	0.00
3	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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Section J: ANTENNA DISPLACEMENT DATA

Load Combination

Max Envelope

Wind Direction

Maximum displacements

Ant.	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert.Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist Tot (Deg)	Allow. (Deg)
1	169.00	15.9	15.2	-0.3	1.03	1.00	-0.06	4.43
2	169.00	15.9	15.2	-0.3	1.03	1.00	-0.06	4.43
3	157.00	13.4	12.8	-0.3	0.94	-0.91	0.05	4.43
4	157.00	13.4	12.8	-0.3	0.94	-0.91	0.05	4.43

Load Combination Wind Only - Serviceability

Wind Direction

Maximum displacements

Ant.	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert.Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist Tot (Deg)	Allow. (Deg)
1	169.00	5.3	5.0	-0.1	0.34	0.33	-0.02	4.43
2	169.00	5.3	5.0	-0.1	0.34	0.33	-0.02	4.43
3	157.00	4.4	4.2	-0.1	0.31	-0.30	0.01	4.43
4	157.00	4.4	4.2	-0.1	0.31	-0.30	0.01	4.43

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Section L: STRENGTH ASSESSMENT SORTED DATA

Load Combination

Max Envelope

Wind Direction

Maximum

Sec	Pln	Elev.	MType	Desc.	Len	kl/r	Gov.	Gov.	Max	Max	Asses.
		(ft)			(ft)		comp.	tens.	Compr.	Tens.	Ratio
							cap.	cap.	(Kips)	(Kips)	
							(Kips)	(Kips)			
9	4	205.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	1.5	0.9	0.02
9	3	200.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	8.3	4.3	0.10
9	2	195.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	20.2	15.8	0.25
9	1	190.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	32.3	27.3	0.39
8	3	183.33	Leg	PIPE 4.500x0.337	6.68	54.2	160.1	198.4	49.5	44.1	0.31
8	2	176.67	Leg	PIPE 4.500x0.337	6.68	54.2	160.1	198.4	71.5	63.2	0.45
8	1	170.00	Leg	PIPE 4.500x0.337	6.68	54.2	160.1	198.4	91.9	81.8	0.57
7	3	163.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	112.4	101.1	0.47
7	2	156.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	129.7	117.6	0.54
7	1	150.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	147.3	133.5	0.62
6	3	143.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	162.5	147.8	0.68
6	2	136.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	177.5	161.2	0.74
6	1	130.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	190.8	173.3	0.80
5	2	120.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.3	330.3	207.6	188.0	0.68
5	1	110.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.3	330.3	225.9	204.5	0.74
4	2	100.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.2	378.5	243.5	219.9	0.80
4	1	90.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.2	378.5	259.3	233.7	0.85
3	3	80.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	271.8	244.4	0.70
3	2	70.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	283.9	253.9	0.73
3	1	60.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	293.1	261.3	0.76
2	3	50.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	304.5	270.1	0.79
2	2	40.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	314.0	277.3	0.81
2	1	30.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	325.1	285.7	0.84
1	3	20.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	334.7	292.7	0.66
1	2	10.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	345.8	300.5	0.68
1	1	0.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	351.5	303.3	0.70
9	4	205.00	Diag	L1 3/4x1 3/4x3/16	6.93	108.5	15.1	10.7	1.7	1.8	0.17
9	3	200.00	Diag	L1 3/4x1 3/4x3/16	6.95	108.3	15.0	10.7	5.4	5.2	0.49
9	2	195.00	Diag	L1 3/4x1 3/4x3/16	6.96	108.9	15.0	10.7	5.4	5.5	0.52
9	1	190.00	Diag	L1 3/4x1 3/4x3/16	6.97	109.1	14.9	10.7	7.6	7.4	0.70
8	3	183.33	Diag	L2x2x1/4	8.47	118.4	17.2	15.7	8.0	7.7	0.49
8	2	176.67	Diag	L2x2x1/4	8.91	125.5	17.1	15.7	8.0	8.1	0.52
8	1	170.00	Diag	L2x2x1/4	9.38	133.5	15.1	15.7	8.2	8.1	0.54
7	3	163.33	Diag	L2 1/2x2 1/2x3/16	9.87	112.8	17.2	14.1	8.2	8.2	0.58
7	2	156.67	Diag	L2 1/2x2 1/2x3/16	10.37	117.7	17.2	14.1	7.9	7.8	0.55
7	1	150.00	Diag	L2 1/2x2 1/2x3/16	10.89	123.7	16.9	14.1	7.9	7.9	0.56
6	3	143.33	Diag	L2 1/2x2 1/2x3/16	11.44	130.8	15.1	14.1	7.5	7.4	0.52
6	2	136.67	Diag	L2 1/2x2 1/2x3/16	12.00	139.0	13.5	14.1	7.2	7.2	0.53
6	1	130.00	Diag	L2 1/2x2 1/2x3/16	12.59	145.4	12.2	14.1	7.1	7.0	0.58
5	2	120.00	Diag	L3x3x3/16	15.26	140.0	15.9	22.3	8.2	8.3	0.52
5	1	110.00	Diag	L3x3x3/16	16.03	146.2	14.6	22.3	8.1	8.0	0.56
4	2	100.00	Diag	L3x3x3/16	16.85	153.1	13.3	24.0	7.4	7.4	0.56
4	1	90.00	Diag	L3x3x3/16	17.72	160.1	12.2	24.0	7.4	7.3	0.61
3	3	80.00	Diag	L3x3x3/16	18.73	167.5	11.1	24.0	5.5	5.1	0.50
3	2	70.00	Diag	L3x3x3/16	19.87	176.5	10.0	24.0	5.3	5.4	0.53
3	1	60.00	Diag	L3x3x3/16	21.03	185.7	9.0	24.0	5.8	5.5	0.64
2	3	50.00	Diag	L3 1/2x3 1/2x1/4	22.21	170.7	16.6	34.1	5.7	5.8	0.34
2	2	40.00	Diag	L3 1/2x3 1/2x1/4	23.41	178.7	15.1	34.1	6.1	5.9	0.40
2	1	30.00	Diag	L3 1/2x3 1/2x1/4	24.62	186.9	13.8	34.1	6.2	6.3	0.45
1	3	20.00	Diag	L4x4x1/4	25.85	172.6	18.8	34.1	6.5	6.4	0.35
1	2	10.00	Diag	L4x4x1/4	27.08	179.2	17.3	34.1	6.7	6.7	0.38
1	1	0.00	Diag	L4x4x1/4	28.37	186.9	15.9	34.1	8.2	8.2	0.51
9	4	205.00	Horiz	L1 3/4x1 3/4x3/16	4.79	145.5	8.4	10.7	1.1	1.1	0.14

File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out

Contract:

Project: 210 FT RT TOWER DESIGN

Date and Time: 10/29/2020 11:03:15 AM

Revision: R 1

Site: JAMESTOWN- KY

Engineer: OH

8	3	183.33	Horiz	L1	3/4x1	3/4x1/16	4.87	146.1	8.4	10.7	1.1	1.1	0.13
1	1	0.00	Horiz	L3	1/2x3	1/2x1/4	12.97	177.9	15.3	34.1	6.7	6.5	0.44
1	1	0.00	PlanH	L3	1/2x3	1/2x1/4	12.92	224.6	9.6	17.2	0.0	0.0	0.00

File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out
Contract:
Project: 210 FT RT TOWER DESIGN
Date and Time: 10/29/2020 11:03:15 AM

Revision: R 1
Site: JAMESTOWN- KY
Engineer: OH

Section N: LEG REACTION DATA

Load Combination	Max Envelope				
Wind Direction	Maximum				
	Force-Y Download (Kips)	Force-Y Uplift (Kips)	Shear-X (Kips)	Shear-Z (Kips)	Max Shear (Kips)
	360.07	310.02			37.64

Load Combination	Earthquake				
Wind Direction	Maximum				
Support	Force-Y Download (Kips)	Force-Y Uplift (Kips)	Shear-X (Kips)	Shear-Z (Kips)	Max Shear (Kips)
	42.04	0.00			3.46

File: W:\Jobs\2020\235799\ENGINEERING\235799R1.out
Contract:
Project: 210 FT RT TOWER DESIGN
Date and Time: 10/29/2020 11:03:15 AM

Revision: R 1
Site: JAMESTOWN- KY
Engineer: OH

Section O: TOWER FOUNDATION DATA

Load Combination			Max Envelope				
Wind Direction			Maximum				
Axial Load (Kips)	Shear Load-X (Kips)	Shear Load-Z (Kips)	Total Shear (Kips)	Moment-X (Kipsft)	Moment-Y (Kipsft)	Moment-Z (Kipsft)	Total Moment (Kipsft)
68.67	-59.49	0.00	59.49	-0.36	-1.59	7932.19	7932.19
51.51	-59.50	0.00	59.50	-0.27	-1.59	7931.30	7931.30

Load Combination			Earthquake				
Wind Direction			Maximum				
Axial Load (Kips)	Shear Load-X (Kips)	Shear Load-Z (Kips)	Total Shear (Kips)	Moment-X (Kipsft)	Moment-Y (Kipsft)	Moment-Z (Kipsft)	Total Moment (Kipsft)
68.65	-2.78	0.00	2.78	-0.36	0.00	450.50	450.50
68.65	2.41	-1.39	2.78	-223.81	0.00	-383.43	443.97

Customer: UNITI TOWERS- LLC
 Project: 210 FT RT TOWER DESIGN
 Site: JAMESTOWN- KY
 Engr. File: 235799
 Build Code: ANSI/TIA-222-H-2016



R1

Mat Foundation

ver.2.2.15

Design Parameters

Description	Load Case					
	1	2	3	4	5	Service
Total Moment, ft-kips	7,932.19	7,931.30	1,142.87	450.50	449.60	2,635.62
Total Shear, kips	59.49	59.50	8.04	2.78	2.78	19.91
Total Tower Wt, kips	68.67	51.51	186.98	68.65	51.49	57.21
Max. Uplift, kips	304.26	310.02	.00	.00	1.90	89.54
Shear, kips	33.02	33.45	33.45	30.72	.48	10.17
Max Download, kips	360.07	354.32	110.91	42.04	36.28	131.11
Shear	37.64	37.21	9.62	3.46	3.03	13.46
Soil L.F.	1.20	0.90	1.20	1.20	0.90	1.00
Concrete L.F.	1.20	0.90	1.20	1.20	0.90	1.00

Foundation	
Ht. AGL, ft	0.50
Depth, ft.	5.50
Tower	
Face Width, ft	27.16
Offset, in	48.00
Soil	
Blow Count	N/A
Inplace Unit Wt, pcf	110.00
Submerged Unit Wt, pcf	60.00
Friction Angle, ϕ , deg.	30.00
Cohesion, ksf	N/A
Uplift Angle, deg.	30.00
Water Depth, ft	None
Ult Bearing Capacity, ksf	6.00

Mat	
Thickness, ft	1.75
Width, ft	34.50
EA, in	15.00
Batter, in/ft	0.00

Pier	
Height, ft	4.25
Diameter, ft	3.50
No. Piers	3
Shape	Round

Anchor Bolts	
Diameter, in	1.5000
No.	6
Length, in	74.00
Bolt Circle, in	20.00
Projection, in	7.50

Pocket	
Diameter, in	N/A
Thickness, ft	N/A

Concrete	
28 Day Strength, ksi	4.50
Dry Unit Wt, pcf	150.00
Wet Unit Wt, pcf	88.00

Rebar Fy	
Vertical, ksi	60.00
Circular, ksi	60.00
Horizontal, ksi	60.00

Results

ϕM_N - Parallel Axis 11,958.44 ft-kips
 ϕM_N - Diagonal Axis 12,621.58 ft-kips
 Moment - Interaction Ratio 0.712 ✓
 ϕV_N - Lateral Load 204.86 kips
 Lateral Load - Interaction Ratio 0.290 ✓

Final Mat Dimension : 34.50 x 34.50 x 1.75 ft. thick w/ (3) 3.50 ft. Dia. Piers

Final Pocket Dimension : Pockets not required

Total Volume of Concrete : 81.7 yd³

Designed By: SWG
 Date: 29 Oct.20 @ 01:34 PM

Checked By: *1/A*
 Date: *10/29/20*

Customer: UNITI TOWERS- LLC
 Project: 210 FT RT TOWER DESIGN
 Site: JAMESTOWN- KY
 Engr. File: 235799
 Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.2.2.15

OTM Capacity

Controlling Load Case: 2 [Wind w/Min. Dead Load]
 Foundation Width = 34.50 ft
 $M_{U1} = 8,520.3$ ft-kips

	ϕM_N , ft-kips	x, ft	N	σ_{ur}
Parallel	11,958.4	5.172	0.150	6.00
Diagonal	12,621.6	13.358	0.274	6.00

$\phi M_N = 11,958.44$ ft-kips IRatio = 0.712
 $\phi V_N = 204.86$ kips IRatio = 0.290

Mat Design

$\gamma_c = 122.73$ pcf

Exterior Slab	x, ft	N	σ_R , ksf	P_s , kips	P_{su} , kips	Moment, ft-kips/ft		Shear, kips/ft	
						DownLoad Side	Uplift Side	DownLoad Side	Uplift Side
Parallel	13.350	0.387	1.73	22.54	0.00	8.18	8.21	4.29	3.70
Diagonal	20.731	0.425	1.85	22.54	0.00	50.57	37.38	11.56	8.07

Interior Slab	Moment, ft-kips/ft		Shear, kips/ft		Soil Pressure Termination
	DownLoad Side	Uplift Side	DownLoad Side	Uplift Side	
	32.01	37.83	5.93	5.64	5.19

Punching Shear	Download			Uplift			Description
	Interior	Edge	Corner	Interior	Edge	Corner	
b_p , ft	17.74	16.21	13.51	15.08	14.88	12.85	2-Way Shear
V_{su} , psi	120.30	137.68	174.48	120.31	126.43	156.12	
ϕV_c , psi	228.08	228.08	226.55	228.08	228.08	228.08	
IR	0.53	0.60	0.77	0.53	0.55	0.68	
M_{U1} , ft-kips	96.0			85.3			Moment transfer to slab
B_{ps} , ft	8.0			7.7			
M_{U2} , ft-kips/ft	11.9			11.1			

Edge Distances: a = 5.57 ft. b = 3.67 ft. c = 5.41 ft.

Summary	Max. Value	Utilization
Slab Moment, ft-kips/ft	50.57	0.925
Slab Shear, kips/ft	11.56	0.528
Punching Shear, psi	174.48	0.770
Soil Bearing Required, σ_{UR} , ksf	2.47	0.412

Mat Reinforcement	
Min. Steel Area (Strength)	.576 in ² /ft.
Min. Steel Area (Temperature)	.227 in ² /ft.
Steel Strain Actual	0.021
Minimum Steel Strain Required	0.005

36 - #7 Horizontal bars equally spaced @11.66 in., each way, top and bottom, total of 144, $A_s = 0.627$ in²/ft

Designed By: SWG
 Date: 29 Oct.20 @ 01:34 PM

Checked By: HA
 Date: 10/29/20

Customer: UNITI TOWERS- LLC
Project: 210 FT RT TOWER DESIGN
Site: JAMESTOWN- KY
Engr. File: 235799
Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.2.2.15

Pier Design

Controlling Load Case: 2 [Wind w/Min. Dead Load]

C = 354.32 kips	Vc = 37.21 kips	Mc = 158.14 ft-kips
T = 310.02 kips	Vt = 33.45 kips	Mt = 142.16 ft-kips
Fy = 60.00 ksi	Fyt = 60.00 ksi	L.F. = 1.00
H = 42.00 in.	Ds = 33.00 in.	F'c = 4.50 ksi
U = 1.00	Irs = Round	

*** NOTE: Pier cross section is Round ***

SUMMARY OF ANALYSIS

Minimum area of steel required	= 10.255 in ²	(Rhomn = 0.0074)
Area of steel provided.	= 10.996 in ²	(Rhoactual = 0.0079)
Maximum steel area limit	= 110.836 in ²	(Rhomax = 0.0800)

(14) #8 Vertical Bars equally spaced w/ #4 Circular Ties @ 6" on center.

CIRCULAR TIE DATA

$V_u < 0.85 * V_c / 2$, shear reinforcement is not required

Use maximum tie spacing specified in ACI 318,
Section 7.10.5 for compression reinforcement.

DEVELOPMENT LENGTH MODIFIERS FOR BAR DEVELOPMENT

Modifier for tension development = 1.000

Modifier for compression development = 0.159

REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS, (12 in. min.)

Designed By: SWG
Date: 29 Oct.20 @ 01:34 PM

Checked By: 1/A
Date: 10/29/20

Page iii

File no : 235799

Customer: **UNITI TOWERS LLC**

Date 10/29/20

By: SWG

Description: **210 FT RT TOWER DESIGN**

Page 1

Chk: *HA*

10/29/20 **JAMESTOWN, KY**

Ver. 11/16/01

R1

FACTORED REACTIONS / LEG

COMPRESSION = 360.10 k (6) - 1.5 " dia A.B. per leg
 UPLIFT = 310.00 k $f_c = 4,500$ psi
 SHEAR = 37.60 k $f_v = 60,000$ psi

SOIL PARAMETERS

- A) Depth neglected for skin friction = Top 3.0 ft
- B) Average ultimate skin shear for uplift:
 3.0 ft to 6.0 ft depth = 680 psf, and 6.0 ft to 14.0 ft depth = 820 psf, and 14.0 ft to 19.0 ft depth = 1100 psf, and 19.0 ft to 24.0 ft depth = 430 psf, and 24.0 ft to 39.0 ft depth = 270 psf.
- C) Average ultimate skin shear for download:
 3.0 ft to 6.0 ft depth = 680 psf, and 6.0 ft to 14.0 ft depth = 820 psf, and 14.0 ft to 19.0 ft depth = 1100 psf, and 19.0 ft to 24.0 ft depth = 570 psf, and 24.0 ft to 39.0 ft depth = 270 psf.
- D) Ultimate net end bearing at 39.0 ft = 15.48 ksf.
- E) Groundwater table below foundation depth.

USE 5'- 0" DIAMETER AND 39'- 0" DEEP DRILLED PIER WITH 0'- 6" CAP

Perimeter = 15.71 ft Area = 19.63 ft²
 Total Download = 360.10 + [1.2 x 0.15 - 0.75 x 0.120] x 39 x 19.63 =
 = 429.9 k
 Tension Capacity = 19.63 x (39.5 x 0.15 + 0.0 x 0.09) x 0.90 +
 15.71 x (0.680 x 3.0 + 0.820 x 8.0 + 1.100 x 5.0 + 0.430 x 5.0 + 0.270 x 15.0) x 0.75 =
 104.7 + 239.2 = 343.9 k
 343.9 >= 310.00 OK
 Comp. Capacity = 19.63 x 15.48 x 0.75 +
 15.71 x (0.680 x 3.0 + 0.820 x 8.0 + 1.100 x 5.0 + 0.570 x 5.0 + 0.270 x 15.0) x 0.75 =
 227.9 + 247.4 = 475.3 k
 475.3 >= 429.9 OK

LATERAL - SEE ATTACHED CALCULATIONS USING WIGGINS METHOD

Max M = 444.36 ft-k Max V = 37.60 k

REINFORCEMENT - SEE ATTACHED SHAFT PROGRAM

USE 18 # 5 - # 9 BARS VERTICAL WITH TIES AT 6" IN TOP 7.0 FT AND AT 12 " IN REST OF PIER

CONCRETE VOLUME = 19.63 x 39.5 / 27 = 28.7 cu yds / pier

 ** WIGGINS METHOD **

 ** DETERMINE MAXIMUM LATERAL SOIL PRESSURE **
 ** AND MAXIMUM MOMENT IN THE SHAFT FOR **
 ** A DRILLED PIER FOUNDATION **
 ***** Thu Oct 29 13:36:01 2020 *****
 Ver. 2.3 NT

FILE NO.- 235799
 ENGR.- SWG
 DESCR.- UNITI TOWERS LLC 210 FT RT TOW

FORMULAS USED

$$S1 = \frac{6 \cdot P \cdot (1-N)}{D \cdot L \cdot (1-N) \cdot (1-N)} \quad L = (MA/P) + R + E$$

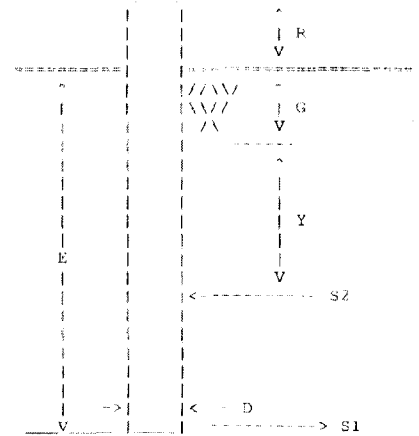
$$S2 = \frac{(N+3) \cdot (N+3) \cdot S1}{8 \cdot (N+1) \cdot (N+2)} \quad NL = (MA/P) + R + G$$

$$K = \frac{1 + (N \cdot N)}{2 \cdot (2+N)} \quad N = NL / L$$

$$Y = \frac{L \cdot (1-K) - NL}{2} \quad SP1 = S1 / E$$

$$M = P \cdot (NL + 5/8 \cdot Y) \quad SP2 = S2 / (Y+G)$$

V = S1 * D * K * L / 2. or
 P whichever is greater



Diameter of Pier = D = 5.00 ft
 Projection Above Grade = R = .50 ft
 Embedment Depth = E = 39.00 ft
 Depth of Soil Ignored = G = 3.00 ft

Equivalent Length of Pier = L = 39.50 ft
 Length for NO Soil Resistance = NL = 3.50 ft
 Applied Moment at Top of Pier = MA = .00 ft-k
 Shear at Top of Pier = P = 37.60 kips

MAXIMUM LATERAL SOIL PRESSURES

K = .2375
 Y = 13.31 ft
 S1 = 1.497 ksf
 S2 = .785 ksf
 SP1 = 38 psf/ft
 SP2 = 48 psf/ft

MAXIMUM VALUES IN SHAFT

M = 444.36 ft-k
 V = 37.60 kips

•618DNAME: SWG

FILE NO. 235799

PAGE NO. 1

SHAFT REINFORCING PROGRAM VER. 91.7

DESIGNED BY: SWG
 ENG. FILE NO.: 235799
 DATE: 10/29/20

CUSTOMER: UNITI TOWERS LLC
 DESCRIPTION: 210 FT RT TOWER DESIGNJAMESTOWN, KY

INPUT DATA

C = 360.10 Kips	Vc = 37.60 Kips	Mc = 444.36 Ft-K
T = 310.00 Kips	Vt = 37.60 Kips	Mt = 444.36 Ft-K
Fy = 60.00 Ksi	Fyt = 60.00 Ksi	L.F. = 1.00
H = 60.00 In.	Ds = 48.00 In.	F'c = 4.50 Ksi
U = 1.00	Irs = 1	

*** SHAFT CROSS SECTION IS ROUND ***

SUMMARY OF ANALYSIS

Minimum area of steel req'd. = 14.14 sq.in. (Rhomin = 0.0050)
 Maximum steel area limit = 226.20 sq.in. (Rhomax = 0.0800)

CIRCULAR TIE DATA

$V_u < .85 \cdot V_c / 2$, shear reinforcement is not required.

Use maximum tie spacing specified in A.C.I. 318
 Section 7.10.5 for compression reinforcement.

DEVELOPMENT LENGTH MODIFIERS FOR TENSION AND COMPRESSION BAR DEVELOPMENT

DLMT = MODIFIER FOR TENSION DEVELOPMENT = 1.000
 DLMC = MODIFIER FOR COMPRESSION DEVELOPMENT = .313
 REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS (12 in. min.)
 DLMT = MODIFIER FOR TENSION DEVELOPMENT = 1.000
 DLMC = MODIFIER FOR COMPRESSION DEVELOPMENT = .339
 REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS (12 in. min.)

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
<input type="button" value="View"/>	4111300	2600Hz, Inc. dba ZSWITCH	Cellular	D
<input type="button" value="View"/>	4108300	Air Voice Wireless, LLC	Cellular	B
<input type="button" value="View"/>	4110650	Alliant Technologies of KY, L.L.C.	Cellular	D
<input type="button" value="View"/>	4111900	ALLNETAIR, INC.	Cellular	C
<input type="button" value="View"/>	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	A
<input type="button" value="View"/>	4110850	AltaWorx, LLC	Cellular	D
<input type="button" value="View"/>	4107800	American Broadband and Telecommunications Company	Cellular	D
<input type="button" value="View"/>	4108650	AmeriMex Communications Corp.	Cellular	D
<input type="button" value="View"/>	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D
<input type="button" value="View"/>	4110700	Andrew David Balholm dba Norcell	Cellular	D
<input type="button" value="View"/>	4105700	Assurance Wireless USA, L.P.	Cellular	A
<input type="button" value="View"/>	4108600	BCN Telecom, Inc.	Cellular	D
<input type="button" value="View"/>	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A
<input type="button" value="View"/>	4110550	Blue Casa Mobile, LLC	Cellular	D
<input type="button" value="View"/>	4111050	BlueBird Communications, LLC	Cellular	D
<input type="button" value="View"/>	4202300	Bluegrass Wireless, LLC	Cellular	A

▼ Active ▼

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	Rockville	MD
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	Oak Hill	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	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, Inc. d/b/a 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	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

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-9124-OE

Issued Date: 06/17/2020

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 KYLEX2042 (Jamestown Relo)
 Location: Jamestown, KY
 Latitude: 36-59-15.31N NAD 83
 Longitude: 85-04-01.99W
 Heights: 990 feet site elevation (SE)
 220 feet above ground level (AGL)
 1210 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 12/17/2021 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 (817) 222-5928, or chris.smith@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-ASO-9124-OE.

Signature Control No: 435003249-443087702

(DNE)

Chris Smith
Specialist

Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2020-ASO-9124-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-9124-OE

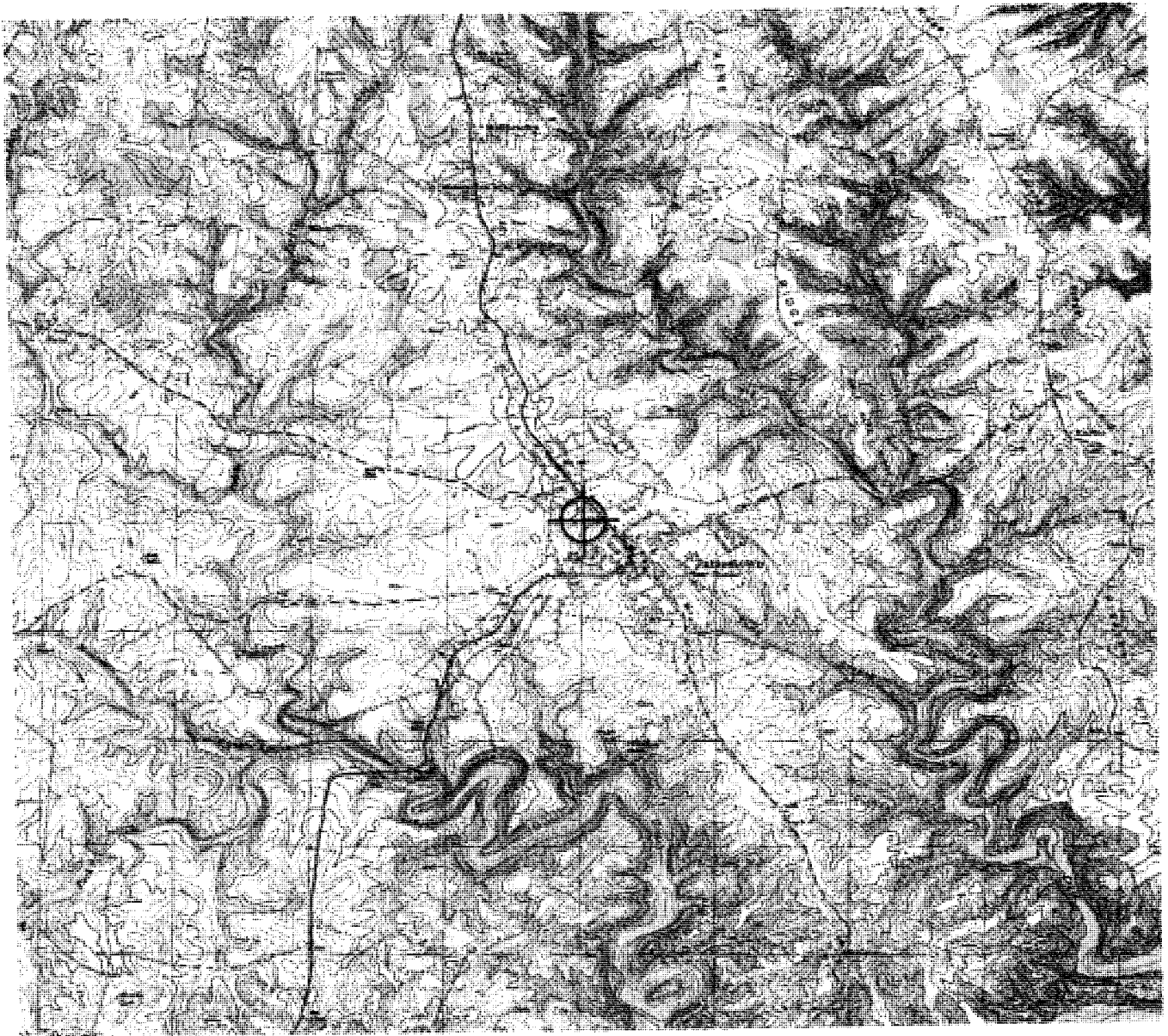



EXHIBIT F
KENTUCKY AIRPORT ZONING COMMISSION



KENTUCKY TRANSPORTATION CABINET
 KENTUCKY AIRPORT ZONING COMMISSION

TC 55-2
 Rev. 05/2017
 Page 2 of 2

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) Uniti Towers		PHONE	FAX	KY AERONAUTICAL STUDY #	
ADDRESS (street) 10802 Executive Center Dr. Ste 300		CITY Little Rock		STATE AR	ZIP 72211
APPLICANT'S REPRESENTATIVE (name) B&T Group - Patricia Parr		PHONE 501-232-7860	FAX 918-295-0265		
ADDRESS (street) 1717 S Boulder Ave Ste 300		CITY Tulsa		STATE OK	ZIP 74119
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start End	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 36 ° 59 ' 15 . 31 "		LONGITUDE -85 ° 04 ' 01 . 99 "		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY Jamestown City County Russell		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT K24			
SITE ELEVATION (AMSL, feet) 990		TOTAL STRUCTURE HEIGHT (AGL, feet) 220		CURRENT (FAA aeronautical study #) 2020-ASO-9124-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1210				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 13,132.53 ft				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)					
DESCRIPTION OF PROPOSAL Uniti Towers LLC, proposes to construct a 220' antenna tower for the purpose of enhancing the coverage of their tenants' subscribers.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 06/17/20					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Patricia Parr	TITLE Sr. Real Estate Specialist	SIGNATURE  2020.09.15 09:33:32 -05'00'		DATE 09/15/2020	
COMMISSION ACTION <input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC					
<input type="checkbox"/> Approved	SIGNATURE		DATE		
<input type="checkbox"/> Disapproved					

Close Print

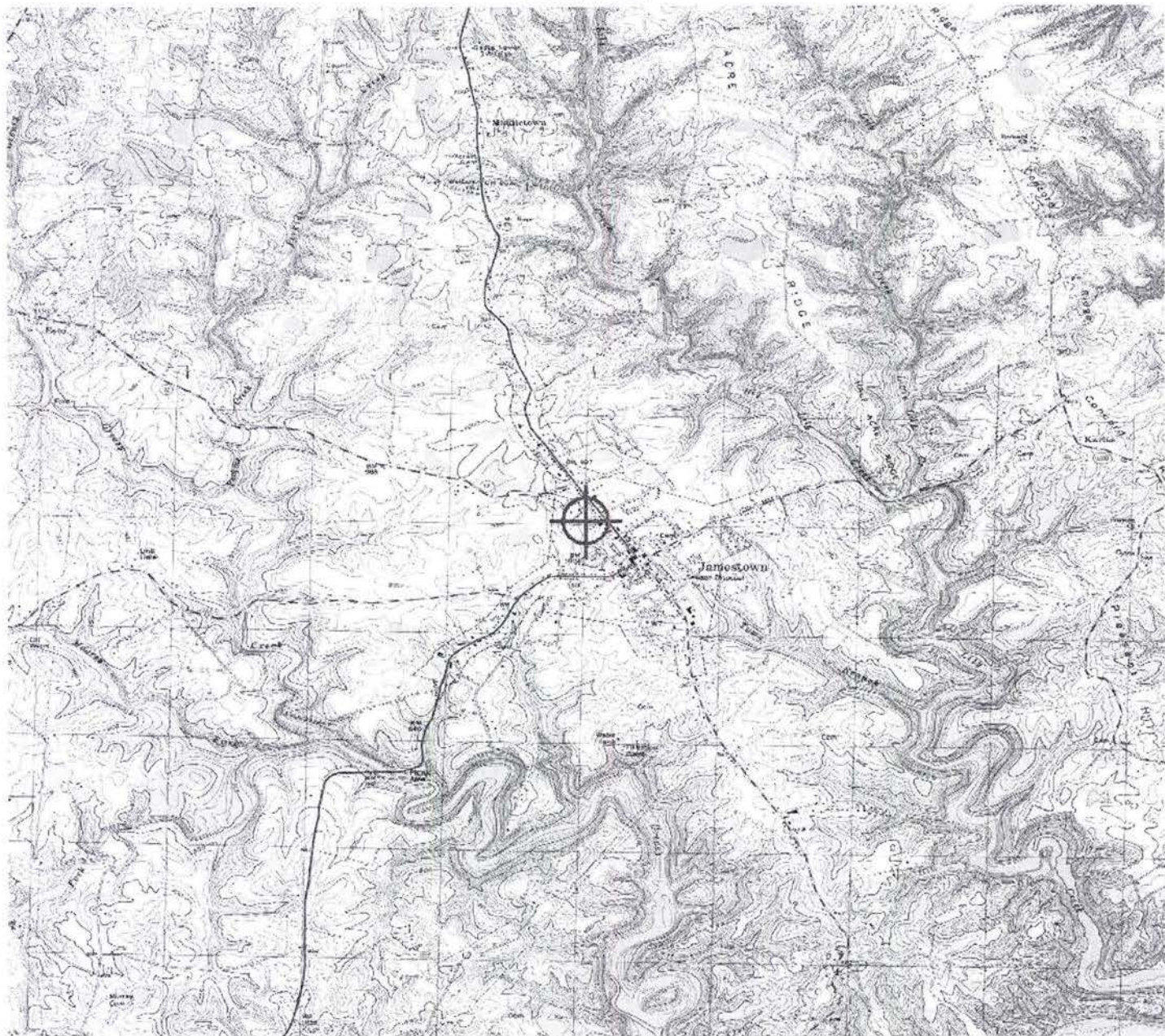


EXHIBIT G
GEO TECHNICAL REPORT



GEOTECHNICAL INVESTIGATION REPORT

September 30, 2020

Prepared For:

B+T Group



**Jamestown
KYLEX2042**

Proposed Self-Supporting Tower

Harris Lane, Jamestown (Russell County), Kentucky 42629
Latitude N 36° 59' 15.3" Longitude W 85° 04' 02.0"

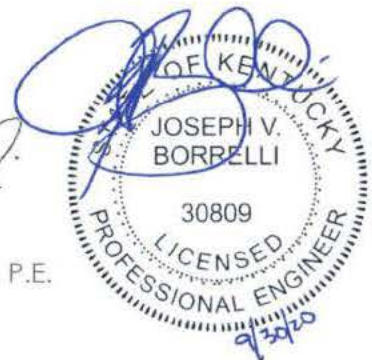
Delta Oaks Group Project GEO20-07034-08
Revision 0
geotech@deltaoaksgroup.com

Performed By:

Erin Benson, E.I.

Reviewed By:

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





INTRODUCTION

This geotechnical investigation report has been completed for the proposed self-supporting tower located at Harris Lane in Jamestown (Russell 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 in a grassy field exhibiting a generally flat topography across the tower compound and subject property.

REFERENCES

- Survey Drawings, prepared by Point to Point Land Surveyors, dated February 18, 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 termination depth of 50.5 feet bgs. Samples were obtained at selected intervals in accordance with ASTM D 1586. The sampling was conducted at the staked centerline of the proposed tower. Soil samples were transported to our laboratory and classified by a geotechnical engineer in accordance with ASTM D 2487. A detailed breakdown of the material encountered in our subsurface field investigation can be found in the boring log presented in the Appendix of this report.

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



SUBSURFACE CONDITION SUMMARY

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

FILL

Fill material was not encountered during the subsurface field investigation.

SOIL

The residual soil encountered in the subsurface field investigation began at the existing ground surface in the boring and consisted of clayey silt, silty sand, silty clay, and clean clay. The materials ranged from a loose relative density and a soft to very stiff cohesion.

Auger advancement refusal was not encountered during the subsurface field investigation.

ROCK

Rock was not encountered during the subsurface field investigation.

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 Russell County, Kentucky is 30 inches (2.5 feet).

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 32,800 ohms-cm.



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 drilled shaft foundation for the proposed structure. The strength parameters presented in the following sections can be utilized for design of the foundation.

GENERAL SUBSURFACE STRENGTH PARAMETERS

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-1	0.0 - 4.0	CL - ML	105	0	750
	4.0 - 14.0	CL - ML	110	0	1,500
	14.0 - 19.0	CL - ML	115	0	2,000
	19.0 - 24.0	SM	105	29	0
	24.0 - 29.0	CL - ML	105	0	500
	29.0 - 34.0	CL	105	0	400
	34.0 - 39.0	CL	105	0	600
	39.0 - 44.0	CL	110	0	1,000
	44.0 - 49.0	CL	120	0	3,000
	49.0 - 50.5	CL	115	0	2,250

- 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	5.0 x 5.0	3.0	5,180
		4.0	10,730
		5.0	11,110
		6.0	11,470
	10.0 x 10.0	3.0	4,900
		4.0	9,990
		5.0	10,170
		6.0	10,360
	15.0 x 15.0	3.0	4,810
		4.0	9,740
		5.0	8,800
		6.0	8,440
	20.0 x 20.0	3.0	4,760
		4.0	8,080
		5.0	7,540
		6.0	7,270
	25.0 x 25.0	3.0	4,730
		4.0	7,210
		5.0	6,780
		6.0	6,570

- Delta Oaks Group recommends the foundation bear a minimum of 3.0 feet bgs.
- A sliding friction factor of 0.30 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	105	0	750	0	1	750
Bottom	2.5	105	0	750	262.5	1	881.25
Top	2.5	105	0	750	262.5	1	1762.5
Bottom	4	105	0	750	420	1	1920
Top	4	110	0	1500	420	1	3420
Bottom	10	110	0	1500	1080	1	4080



SUBSURFACE STRENGTH PARAMETERS - DRILLED SHAFT FOUNDATION

Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-1	0.0 – 3.0	-	-	-
	3.0 – 6.0	13,180	680	680
	6.0 – 9.0	13,160	820	820
	9.0 – 14.0	14,620	820	820
	14.0 – 19.0	4,510	1,100	1,100
	19.0 – 24.0	3,320	570	430
	24.0 – 29.0	2,440	270	270
	29.0 – 34.0	3,170	220	220
	34.0 – 39.0	5,560	330	330
	39.0 – 44.0	15,480	550	550
	44.0 – 49.0	18,240	1,650	1,650
	49.0 – 50.5	18,210	1,230	1,230

- The top 3.0 feet of soil should be ignored due to the frost penetration and the potential soil disturbance during construction.
- The bearing capacity can be increased by 1/3 for transient loading.
- The values presented assume the concrete is cast-in-place against earth walls and any casing utilized during construction of the foundation was removed.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



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	2.5	4,860	2.0	150
	3.0	5,060		300
	4.0	10,900		

- 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 2.5 feet bgs.
- A sliding friction factor of 0.30 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	105	0	750	0	1	750
Bottom	2.5	105	0	750	262.5	1	881.25
Top	2.5	105	0	750	262.5	1	1762.5
Bottom	4	105	0	750	420	1	1920
Top	4	110	0	1500	420	1	3420
Bottom	10	110	0	1500	1080	1	4080



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.

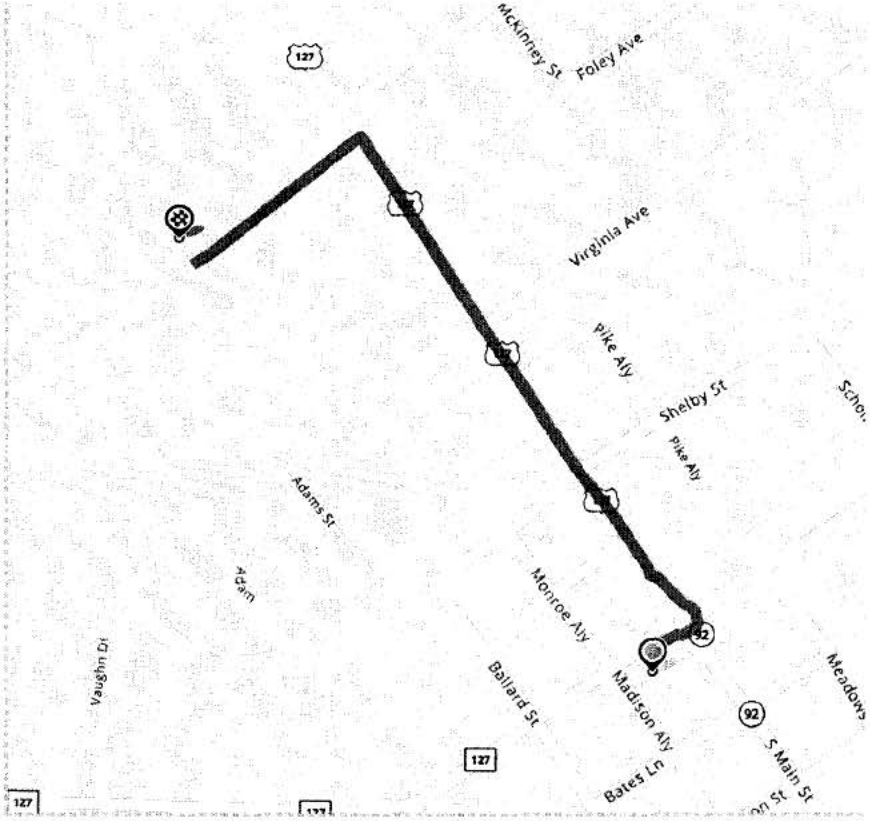


APPENDIX

**EXHIBIT H
DIRECTIONS TO WCF SITE**

Driving Directions to Proposed Jamestown Relo Tower Site

- 1. Beginning at the Russell County Judge Executive's Office, located at 410 Monument Sq # 110, Jamestown, KY 42629 start out going northeast on Monument Sq/US-127 Bus N/KY-619.
- 2. Enter next roundabout and take the 3rd exit onto US-127 Bus N/KY-92.
- 3. Turn left onto Harris Ln.
- 4. Arrive at 82 Harris Ln, Jamestown, KY on the right.
- 5. The site coordinates are 36.987586, -85.067219.



Prepared by:
Robert W. Grant
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

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 The Alford Family Living Trust, by and through its Co-Trustees, George N. Alford and Gail J. Alford, having a mailing address of PO BOX 13, Jamestown, KY 42629 ("**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 off Harris Lane, in the City of Jamestown, County of Russell, 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 equal to three (3) months' Rent, at the then-current rate, provided, however, that no such termination fee [REDACTED] 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]. 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, \$500.00 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: George N. Alford and Gail J. Alford
 PO BOX 13
 Jamestown, KY 42629
 geoalf@msn.com
 Telephone: mobile 352-572-4353

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"

The Alford Family Living Trust

By: George N. Alford
Print Name: George N. Alford
Its: Co-Trustee
Date: 3/2/2020

By: Gail J. Alford
Print Name: Gail J. Alford
Its: Co-Trustee
Date: 3/2/2020

"TENANT"

Uniti Towers LLC

By: Ginger Majors
Print Name: Ginger Majors
Its: VP Real Estate
Date: 3/18/2020

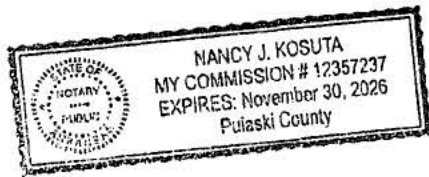
[ACKNOWLEDGMENTS APPEAR ON NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF ARKANSAS

COUNTY OF PULASKI

On the 18th day of MARCH, 2022 before me personally appeared GINGER MAJORS, 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.



Nancy J. Kosuta
Notary Public: NANCY J. KOSUTA
My Commission Expires: 11/30/2026

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky
COUNTY OF Russell

BE IT REMEMBERED, that on this 2nd day of March, 2020 before me, the subscriber, a person authorized to take oaths in the State of Kentucky, personally appeared **George N. Alford** 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: Regena C. Hinton
My Commission Expires: 2/11/2023

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky
COUNTY OF Russell

BE IT REMEMBERED, that on this 2nd day of March, 2020 before me, the subscriber, a person authorized to take oaths in the State of _____, personally appeared **Gail J. Alford** 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: Regena C. Hinton
My Commission Expires: 2/11/2023

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 4

to the Option and Lease Agreement dated March 18, 2020, by and between The Alford Family Living Trust, by and through its Co-Trustees, George N. Alford and Gail J. Alford, as Landlord, and Uniti Towers LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:

A certain tract or parcel of land, lying or being in Russell County, Kentucky, in the City of Jamestown, described as follows:

Beginning at a pin on the North side of Harris Lane and corner in car wash property (DB 90, P 647); thence N 34 27 W 125 feet to a stake and corner to Dunbar; thence S 58 24 W 82 feet to a post and corner to Dunbar; thence N 34 27 W 56 feet to a stake and corner to Dunbar; thence S 58 56 W 200 feet to a stake and corner to Fisher (DB 82 P 446); thence S 58 56 W 49 feet to a stake; thence S 27 58 E 211 feet to a pin at Harris Lane; thence with said street N 58 24 E 354.7 feet to the point of beginning, containing approximately one and three-eighths (1-3/8) acres, more or less.

AND BEING the same property conveyed to The Alford Family Living Trust, by and through its Co-Trustees, George N. Alford and Gail J. Alford from Donnie Wilkerson & Rhonda Wilkerson by General Warranty Deed dated September 26, 2014 and recorded September 29, 2014 in Deed Book 307, Page 18.

Tax Parcel No. 034-90-20-023.00

The Premises are described and/or depicted as follows:

LEASE AREA

All that tract or parcel of land lying and being in the City of Jamestown, Russell County, Kentucky, and being part of the lands of The Alford Family Living Trust, George N. Alford and Gail J. Alford, Co-Trustees, as recorded in Deed Book 307 Page 18, Russell County Records, Russell County, Kentucky, and being more particularly described as follows:

To find the point of beginning, COMMENCE at an iron pin found at the westerly right-of-way line of N Main St, said iron pin found having a Kentucky Grid North, NAD83, Single Zone Value of N: 3519910.3678, E: 5121077.5706; thence leaving said right-of-way line and running along a tie line, South 56°21'39" West, 432.86 feet to a point on the northerly right-of-way line of Harris Lane having a Kentucky Grid North, NAD83, Single Zone Value of N: 3519670.5823, E: 5120717.1981; thence leaving said right-of-way line and running, North 32°51'28" West, 74.25 feet to a point on the Lease Area; thence running along said Lease Area, South 57°08'32" West, 15.00 feet to a point and the true POINT OF BEGINNING; Thence, North 32°51'28" West, 100.00 feet to a point, said point being South 54°10'57" East, 5.44 feet from a rebar found (Capped: McKinney PLS 3318) at the northwest corner of said Alford lands; Thence, North 57°08'32" East, 100.00 feet to a point; Thence, South 32°51'28" East, 100.00 feet to a point; Thence, South 57°08'32" West, 100.00 feet to a point and the POINT OF BEGINNING.

Bearings are based on Kentucky Grid North, NAD83, Single 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 18, 2020.

30' INGRESS-EGRESS & UTILITY EASEMENT

Together with a 30-foot wide Ingress-Egress and Utility Easement (lying 15 feet each side of centerline) lying and being in the City of Jamestown, Russell County, Kentucky, and being part of the lands of The Alford Family Living Trust, George N. Alford and Gail J. Alford, Co-Trustees, as recorded in Deed Book 307 Page 18, Russell County Records, Russell County, Kentucky, and being more particularly described by the following centerline data:

To find the point of beginning, COMMENCE at an iron pin found at the westerly right-of-way line of N Main St, said iron pin found having a Kentucky Grid North, NAD83, Single Zone Value of N: 3519910.3678, E: 5121077.5706; thence

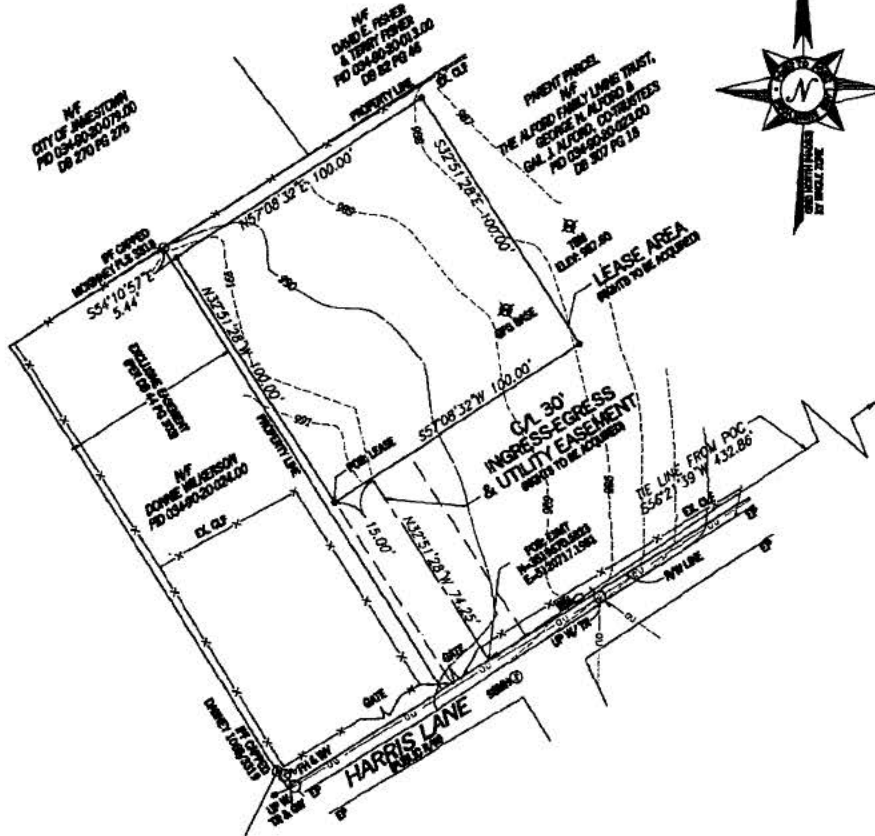
leaving said right-of-way line and running along a tie line, South 56°21'39" West, 432.86 feet to a point on the northerly right-of-way line of Harris Lane having a Kentucky Grid North, NAD83, Single Zone Value of N: 3519670.5823, E: 5120717.1981 and the true POINT OF BEGINNING; Thence leaving said right-of-way line and running, North 32°51'28" West, 74.25 feet to the ENDING at a point on the Lease Area.

Bearings are based on Kentucky Grid North, NAD83, Single Zone.

As shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 18, 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.



SITE INFORMATION
 LEASE AREA = 10,000 SQUARE FEET (0.2296 ACRES)
 LATITUDE = 36°58'15.21" NAD 83 (36.969756°)
 LONGITUDE = -85°04'01.39" WAD 83 (148.067219°)
 AT CENTER OF LEASE AREA
 ELEVATION AT CENTER OF LEASE AREA = 990.0' A.M.S.L.



PARENT PARCEL

AS PROVIDED PER ORDER NO. 30660971
 PROPERTY LOCATED IN RUSSELL COUNTY, KENTUCKY

A CERTAIN TRACT OR PARCEL OF LAND, LYING OR BEING IN RUSSELL COUNTY, KENTUCKY, IN THE CITY OF JAMESTOWN, DESCRIBED AS FOLLOWS:

BEGINNING AT A PIN ON THE NORTH SIDE OF HARRIS LANE AND CORNER IN CAR WASH PROPERTY (DB 90, P 647); THENCE N 34 27 W 125 FEET TO A STAKE AND CORNER TO DUNBAR; THENCE S 58 24 W 62 FEET TO A POST AND CORNER TO DUNBAR; THENCE N 34 27 W 56 FEET TO A STAKE AND CORNER TO DUNBAR; THENCE S 58 56 W 200 FEET TO A STAKE AND CORNER TO FISHER (DB 82 P 446); THENCE S 58 56 W 49 FEET TO A STAKE; THENCE S 27 58 E 211 FEET TO A PIN AT HARRIS LANE; THENCE WITH SAID STREET N 58 24 E 354.7 FEET TO THE POINT OF BEGINNING, CONTAINING APPROXIMATELY ONE AND THREE-EIGHTHS (1-3/8) ACRES, MORE OR LESS.

AND BEING THE SAME PROPERTY CONVEYED TO THE ALFORD FAMILY LIVING TRUST, BY AND THROUGH ITS CO-TRUSTEES, GEORGE H. ALFORD AND GAIL J. ALFORD FROM DORINE WILKERSON & RHONDA WILKERSON BY GENERAL WARRANTY DEED DATED SEPTEMBER 25, 2014 AND RECORDED SEPTEMBER 25, 2014 IN DEED BOOK 307, PAGE 18.

TAX PARCEL NO. 034-90-29-023.00

30' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 30FOOT WIDE INGRESS-EGRESS AND UTILITY EASEMENT (LYING 15 FEET EACH SIDE OF CENTERLINE) LYING AND BEING IN THE CITY OF JAMESTOWN, RUSSELL COUNTY, KENTUCKY, AND BEING PART OF THE LANDS OF THE ALFORD FAMILY LIVING TRUST, GEORGE H. ALFORD AND GAIL J. ALFORD, CO-TRUSTEES, AS RECORDED IN DEED BOOK 307 PAGE 18, RUSSELL COUNTY RECORDS, RUSSELL COUNTY, KENTUCKY, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT AN IRON PIN FOUND AT THE WESTERLY RIGHT-OF-WAY LINE OF N MAIN ST. SAID IRON PIN FOUND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519910.3678, E: 5121077.5706; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG A TIE LINE, SOUTH 54°21'39" WEST, 432.86 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF HARRIS LANE HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519670.5823, E: 5120717.1981 AND THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, NORTH 32°51'28" WEST, 74.25 FEET TO THE ENDING AT A POINT ON THE LEASE AREA.

BEARINGS ARE BASED ON KENTUCKY GRID NORTH, NAD83, SINGLE ZONE.

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN THE CITY OF JAMESTOWN, RUSSELL COUNTY, KENTUCKY, AND BEING PART OF THE LANDS OF THE ALFORD FAMILY LIVING TRUST, GEORGE H. ALFORD AND GAIL J. ALFORD, CO-TRUSTEES, AS RECORDED IN DEED BOOK 307 PAGE 18, RUSSELL COUNTY RECORDS, RUSSELL COUNTY, KENTUCKY, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT AN IRON PIN FOUND AT THE WESTERLY RIGHT-OF-WAY LINE OF N MAIN ST. SAID IRON PIN FOUND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519910.3678, E: 5121077.5706; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG A TIE LINE, SOUTH 54°21'39" WEST, 432.86 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF HARRIS LANE HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3519670.5823, E: 5120717.1981; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, NORTH 32°51'28" WEST, 74.25 FEET TO A POINT ON THE LEASE AREA; THENCE RUNNING ALONG SAID LEASE AREA, SOUTH 57°08'32" WEST, 15.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, NORTH 32°51'28" WEST, 100.00 FEET TO A POINT, SAID POINT BEING SOUTH 54°10'57" EAST, 5.44 FEET FROM A REBAR FOUND (CAPPED: MCARDNEY PL3 3318) AT THE NORTHWEST CORNER OF SAID ALFORD LANDS; THENCE, NORTH 57°08'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 32°51'28" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 57°08'32" WEST, 100.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARINGS ARE BASED ON KENTUCKY GRID NORTH, NAD83, SINGLE ZONE.

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

STATE OF KENTUCKY
 C. 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



JAMESTOWN RELO
 SITE NO. KYLEX2042
 CITY OF JAMESTOWN
 RUSSELL COUNTY, KENTUCKY

DRAWN BY: AMS SHEET:
 CHECKED BY: JIL
 APPROVED BY: MILLER
 DATE: FEBRUARY 18, 2020
 PLOT JOB #: 20012301

2
 OF 2

UNITS: DIMENSIONS IN FEET UNLESS OTHERWISE NOTED

EXHIBIT J
NOTIFICATION LISTING

Jamestown Relo Notice List

034-90-20-023.00
ALFORD FAMILY LIVING TRUST
C/O GEORGE N & GAIL J ALFORD
PO BOX 13
JAMESTOWN KY 42629

034-90-20-024.00
WILKERSON DONALD L JR & RHONDA
PO BOX 30
JAMESTOWN, KY 42629

034-90-20-079.00
CITY OF JAMESTOWN
PO BOX 587
JAMESTOWN, KY 42629

034-90-20-013.00
FISHER DAVID E. & TERRY
65 KINNETT AVE.
JAMESTOWN, KY 42629

034-90-20-015.00
KEAN RUBY GAIL
45 KINNETT AVE
JAMESTOWN KY 42629

034-90-20-016.00
KEAN RUBY GAIL
45 KINNETT AVE
JAMESTOWN, KY 42629

034-90-20-021.00
GRIDER DEANA ROY
P O BOX 62
JAMESTOWN, KY 42629

034-90-20-022.00
ALFORD GEORGE N. & GAIL J., TRUST
PO BOX 13
JAMESTOWN KY 42629

034-90-05-029.00
HADLEY KENNETH W. & CLEDA

282 N. MAIN ST.
JAMESTOWN, KY 42629

034-90-05-028.00
WESTON FAMILY TRUST
C/O MARK WESTON & MARIA WELCH, TRUSTEES
PO BOX 101
JAMESTOWN, KY 42629

034-90-05-027.00
PATEL VIMAL
1001 E. MT. VERNON ST.
SOMERSET, KY 42501

034-90-20-028.00
GASKIN PHILLIP & HELEN
508 GASKINS RD.
JAMESTOWN, KY 42629

034-90-20-027.00
WILLIAMS JEFFERY THOMAS
PO BOX 646
JAMESTOWN, KY 42629

034-90-20-026.00
FINCH MELISSA
174 PINEHURST CIRCLE
JAMESTOWN, KY 42629

034-90-20-030.00
BANK OF JAMESTOWN
PO BOX 6
JAMESTOWN, KY 42629

034-90-20-029.00
CITY OF JAMESTOWN
JAMESTOWN, KY 42629

034-90-20-078.00
COOPER DON J. & PAMELA R.
422 SHELBY ST.
JAMESTOWN, KY 42629

034-90-20-012.00
TAYLOR CONNIE JO
4066 WASHINGTON WAY

MORROW, OH 45152

034-90-20-011.00
GRIDER DESDA P TRUST
86 KINNETT AVE
JAMESTOWN KY 42629

034-90-20-010.00
WELLS SHERRY A
70 KINNETT AVENUE
JAMESTOWN KY 42629

034-90-20-009.01
RUSH MICHAEL & APRIL
PO BOX 2150
AUBURNDALE FL 33823-2150

034-90-20-009.00
HOPPER JANSEN C
270 STEPHENS LANE
RUSSELL SPRINGS KY 42642

034-90-20-007.00
LOY JEFFREY T. & DONNA G., TRUST
1717 CHAPMANS RETREAT DR
SPRING HILL TN 37174

034-90-20-008.00
POPPLEWELL GREG & JODI
389 MONK SPRINGS RD
JAMESTOWN KY 42629

034-90-20-017.00
JONES JUDY L.
PO BOX 581
JAMESTOWN, KY 42629

034-90-20-018.00
JONES JUDY L.
PO BOX 581
JAMESTOWN, KY 42629

034-90-20-019.00
ELKINS RICHARD GLENN & KIMBERLY ANN
331 N MAIN ST
JAMESTOWN KY 42629

034-90-03-019.00
FIRST NATIONAL BANK OF RUSSELL
C/O ROMELIA SUAREZ & EZEQUIEL SEVILLA
322 COOPER CREEK RD
RUSSELL SPRINGS KY 42642

034-90-03-018.00
WHEELER MATTHEW
316 N MAIN ST
JAMESTOWN, KY 42629

034-90-03-020.00
VANHOY BILLY & REGINA
PO BOX 842
JAMESTOWN, KY 42629

034-90-03-021.00
CASEY COUNTY BANK
PO BOX 10
LIBERTY KY 42539

034-90-03-022.00
CATHOLIC MISSION
N MAIN ST
JAMESTOWN, KY 42629

034-90-20-006.00
COFFEY LLOYD WAYNE
PO BOX 815
JAMESTOWN, KY 42629

034-90-20-005.00
FARRIS BRITTANY & JOHN
59 COFFEY AVE
JAMESTOWN KY 42629

034-90-20-004.00
STAMPER PAUL D. & VALERIE D.
81 COFFEY AVE.
JAMESTOWN, KY 42629

034-90-20-003.00
GARNER JOHNNY & BOBBIE
109 COFFEY AVE
JAMESTOWN, KY 42629-

034-90-20-002.00
GARNER JOHNNY & BOBBIE C.
109 COFFEY AVE.
JAMESTOWN, KY 42629

034-90-20-001.00
HALL KEITH RAY & REGINA
PO BOX 133
JAMESTOWN, KY 42629

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: Jamestown 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 82 Harris Lane, Jamestown, KY 42629 (36.987586, -85.067219). The proposed facility will include a 210-foot tall tower, with an approximately 10-foot tall lightning arrester attached at the top, for a total height of 220-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 2020-00360 in any correspondence sent in connection with this matter.

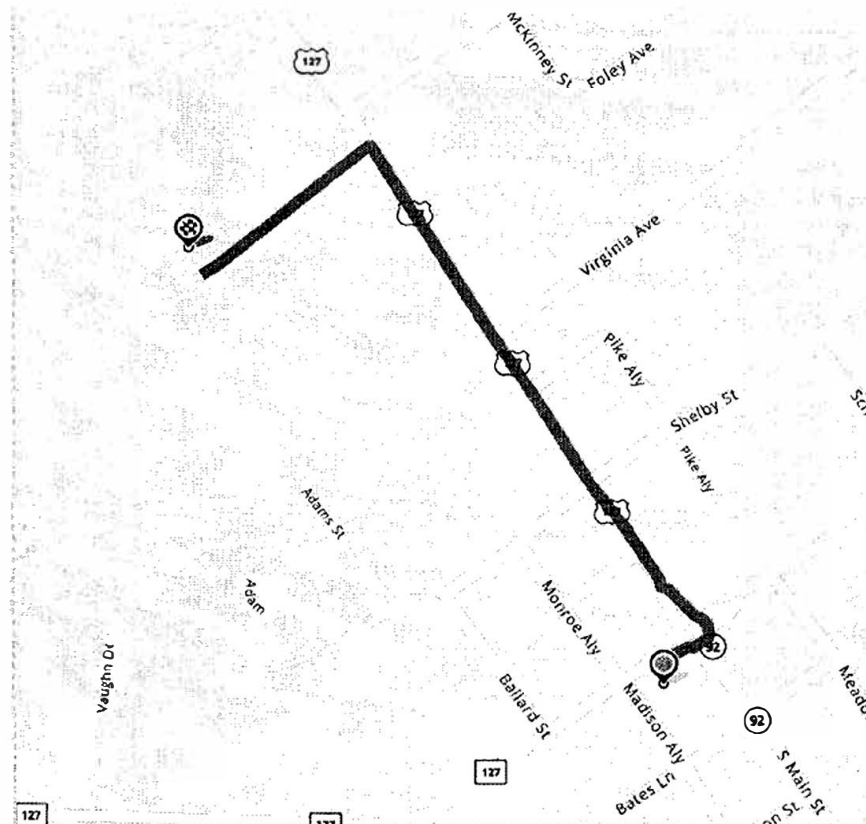
We have attached a map showing the site location for the proposed tower. AT&T Mobility's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the 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

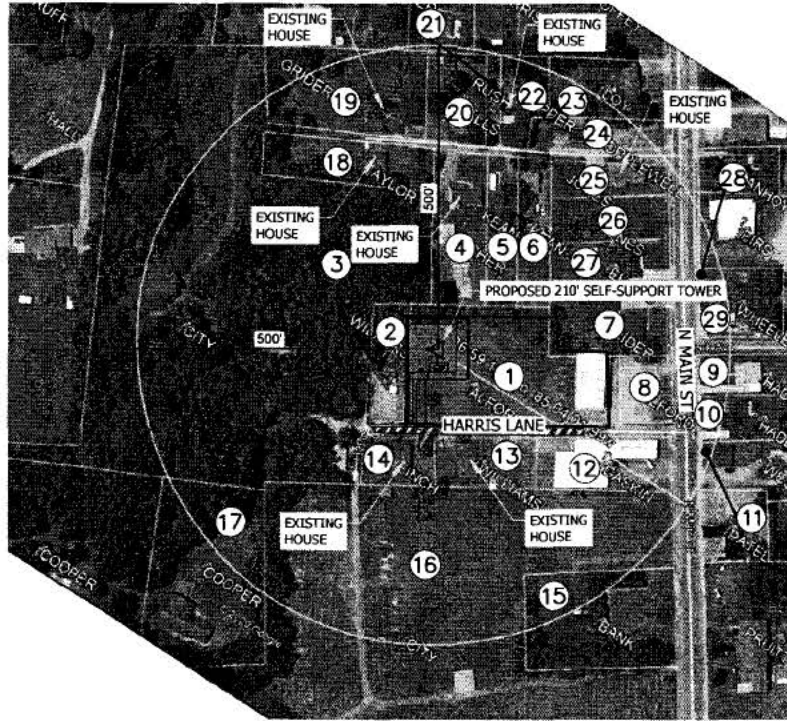
enclosures

Driving Directions to Proposed Jamestown Relo Tower Site

1. Beginning at the Russell County Judge Executive's Office, located at 410 Monument Sq # 110, Jamestown, KY 42629 start out going northeast on Monument Sq/US-127 Bus N/KY-619.
2. Enter next roundabout and take the 3rd exit onto US-127 Bus N/KY-92.
3. Turn left onto Harris Ln.
4. Arrive at 82 Harris Ln, Jamestown, KY on the right.
5. The site coordinates are 36.987586, -85.067219.



Prepared by:
Robert W. Grant
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



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



#	OWNER	ADDRESS	FID	REF
1	THE ALFORD FAMILY LIVING TRUST	82 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-023.00	DB 307 PG 18
2	DONALD & RHONDA WILKERSON	263 MAIN STREET JAMESTOWN, KY 42629	034-90-20-024.00	-
3	CITY OF JAMESTOWN	KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-079.00	DB 270 PG 275
4	DAVID E. & TERRY FISHER	65 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-013.00	DB 82 PG 46
5	RUBY GAIL KEAN	55 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-015.00	DB 334 PG 566
6	RUBY GAIL KEAN	45 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-016.00	NO RECORD FND
7	DEANA ROY GRIDER	309 MAIN STREET JAMESTOWN, KY 42629	034-90-20-021.00	DB 280 PG 123
8	THE ALFORD FAMILY LIVING TRUST	MAIN ST. & HARRIS LN. JAMESTOWN, KY 42629	034-90-20-022.00	DB 253 PG 173
9	KENNETH W & CLEDA HADLEY	294 MAIN STREET JAMESTOWN, KY 42629	034-90 05 001.00	-
10	KENNETH W & CLEDA HADLEY	282 MAIN STREET JAMESTOWN, KY 42629	034-90 05 029.00	-
11	WESTON FAMILY TRUST C/O MARK WESTON & MARIA WELCH TRUSTEE	268 MAIN STREET JAMESTOWN, KY 42629	034-90 05 028.00	-
12	PHILLIP & HELEN GASKIN	259 N. MAIN STREET JAMESTOWN, KY 42629	034-90-20-028.00	-
13	JEFFERY THOMAS WILLIAMS	265 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-027.00	-
14	MELISSA FINCH	89 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-026.00	-
15	BANK OF JAMESTOWN	217 N. MAIN STREET JAMESTOWN, KY 42629	034-90-20-030.00	-
16	CITY OF JAMESTOWN	MAIN STREET JAMESTOWN, KY 42629	034-90-20-029.00	-
17	DON J. & PAMELA R. COOPER	422 SHELBY STREET JAMESTOWN, KY 42629	034-90-20-078.00	-
18	CONNIE JO TAYLOR	95 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-012.00	-
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21	MICHAEL & APRIL RUSH	54 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-009.01	-
22	JANSEN C. HOPPER	56 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-009.00	-
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28	FIRST NATIONAL BANK OF RUSSELL SPRINGS	340 N. MAIN STREET JAMESTOWN, KY 42629	034-90-03-019.00	-
29	MATTHEW WHEELER	316 N. MAIN STREET JAMESTOWN, KY 42629	034-90-03-018.00	-

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 6/24/2020 FROM THE OFFICIAL RECORDS OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.
2. THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
3. NOT FOR RECORDING OR PROPERTY TRANSFER.



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



HARMONI TOWERS
JAMESTOWN
FA# 15147584
PACT# MRTN/K047953
PT# 10115675
82 HARRIS LANE
JAMESTOWN, KY 42629
RUSSELL COUNTY

PROJECT NO: G01373600
CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
1	06/09/20	DLS	FINAL
2	06/14/20	MAS	FINAL
3	10/16/20	MAS	FINAL

B&T ENGINEERING, INC.
COA 4011
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

Hon. Gary D. Robertson
County Judge Executive
P. O. Box 397
410 Monument Square, Suite 205
Jamestown, KY 42629

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2020-00360
Site Name: Jamestown 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 82 Harris Lane, Jamestown, KY 42629 (36.987586, -85.067219). The proposed facility will include a 210-foot tall tower, with an approximately 10-foot tall lightning arrester attached at the top, for a total height of 220-feet, plus related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

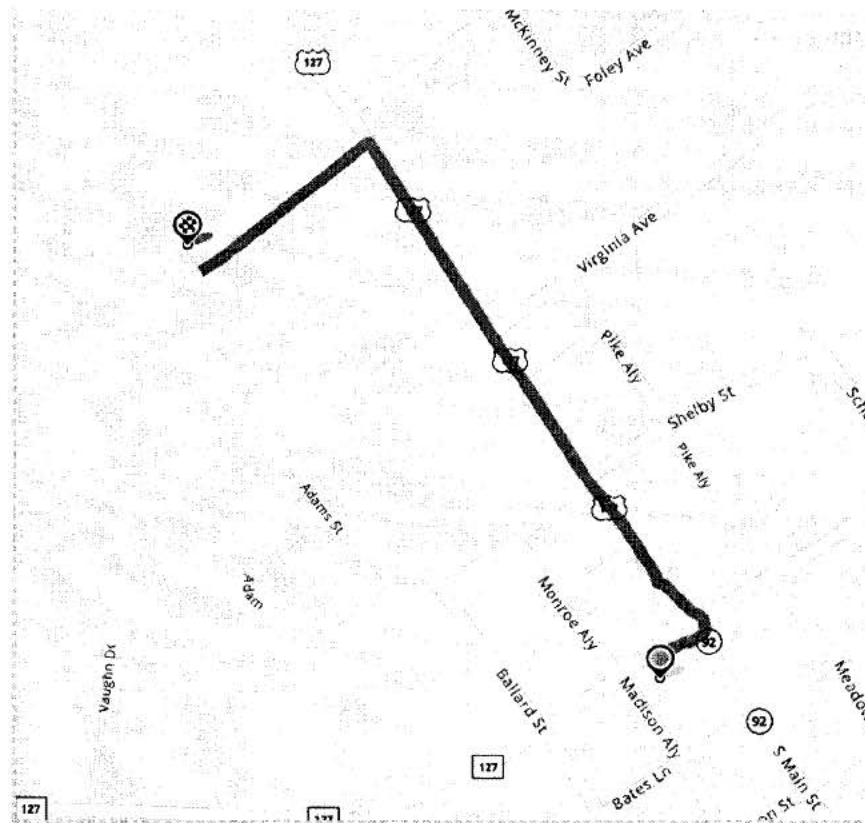
You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00360 in any 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

Driving Directions to Proposed Jamestown Relo Tower Site

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3. Turn left onto Harris Ln.
4. Arrive at 82 Harris Ln, Jamestown, KY on the right.
5. The site coordinates are 36.987586, -85.067219.



Prepared by:
Robert W. Grant
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



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



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5	RUBY GAIL KEAN	55 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-015.00	DB 334 PG 566
6	RUBY GAIL KEAN	45 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-016.00	NO RECORD FNO
7	DEANA ROY GRIDER	309 MAIN STREET JAMESTOWN, KY 42629	034-90-20-021.00	DB 280 PG 123
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13	JEFFERY THOMAS WILLIAMS	255 HARRIS LANE JAMESTOWN, KY 42629	034-90-20-027.00	-
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22	JANSEN C. HOPPER	56 KINNETT AVENUE JAMESTOWN, KY 42629	034-90-20-009.00	-
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27	RICHARD G. & KIMBERLY A. ELKINS	331 MAIN STREET JAMESTOWN, KY 42629	034-90-20-019.00	-
28	FIRST NATIONAL BANK OF RUSSELL SPRINGS	340 N. MAIN STREET JAMESTOWN, KY 42629	034-90-03-019.00	-
29	MATTHEW WHEELER	315 N. MAIN STREET JAMESTOWN, KY 42629	034-90-03-018.00	-

NOTE:

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- NOT FOR RECORDING OR PROPERTY TRANSFER.



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



HARMONI TOWERS
JAMESTOWN
 FAX# 15147584
 PAGE# MRTNKH07953
 PTH# 101156075
 82 HARRIS LANE
 JAMESTOWN, KY 42629
 RUSSELL COUNTY

PROJECT NO: G0137330.00
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
1	09/09/20	DLS	FINAL
2	09/14/20	MMS	FINAL
3	10/16/20	MMS	FINAL

B&T ENGINEERING, INC.
 COK 4011
 Expires 12/31/20



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500' RADIUS & ADJOINER'S DRAWING

SHEET NUMBER:
C-1

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

SITE NAME: JAMESTOWN 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 2020-00360 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 2020-00360 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: (270) 866-3191

The Russell County News-Register
120 Wilson St.
Russell Springs, KY
42642-4315

RE: Legal Notice Advertisement
Site Name: Jamestown Relo

Dear Russell County News-Register:

Please publish the following legal notice advertisement in the next edition of *The Russell County News-Register*.

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 82 Harris Lane, Jamestown, KY 42629 (36.987586, -85.067219). 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 2020-00360 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,
Robert W. Grant
Pike Legal Group, PLLC

EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



Lat: 36.987472
Lon: -85.0675
Radius: .3 miles

Jamestown Relo Search Area