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.: 2020-00303
CONVENIENCE AND NECESSITY TO CONSTRUCT	)	
A WIRELESS COMMUNICATIONS FACILITY	)	
IN THE COMMONWEALTH OF KENTUCKY	)	
IN THE COUNTY OF WAYNE	)	

SITE NAME: MONTICELLO RELO / MORRIS HILL ROAD

* * * * * * *

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 1519 Morris Hill Road, Monticello, KY 42633 (36° 48' 34.53" North latitude, 84° 50' 49.57" West longitude), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Marty and Tamara Wallen pursuant to a deed recorded at Deed Book 265, Page 597 in the office of the County Clerk. The proposed WCF will consist of a 130-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 140-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 approval issued by the Kentucky Airport Zoning Commission

("KAZC") is attached as **Exhibit F**.

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

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

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

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

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

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

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

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

23. Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. A copy of this notice is attached as **Exhibit L**.

24. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section

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

25. The general area where the proposed facility is to be located is rural in character.

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
Secretary of State
Commonwealth of Kentucky
216299/0481848

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) 564-3490
www.sos.ky.gov

Certificate of Authority
(Foreign Business Entity)

FBE

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

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

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

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

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

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

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

Street Address	City	State	Zip Code
10802 Executive Center Drive, Benton Building, Suite 300	Little Rock	AR	72211

7. The street address of the entity's registered office in Kentucky is

Street Address (No P.O. Box Numbers)	City	State	Zip Code
306 West Main Street - Suite 512	Frankfort	KY	40601

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

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

(09/15)

Delaware

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.

Jeffrey W. Bullock, Secretary of State

5896640 8300

SR# 20167345793

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

Authentication: 203613650

Date: 12-30-16

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	File Number
KNKN666	
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.

FCC 601-C
March 2018

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

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	File Number
WPOI255	
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
05-27-2015	08-31-2018	06-23-2025	

Market Number	Channel Block	Sub-Market Designator
MTA026	A	19

Market Name
Louisville-Lexington-Evansvill

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

Waivers/Conditions:

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

License renewal granted on a conditional basis, subject to the outcome of FCC proceeding WT Docket No. 10-112 (see FCC 10-86, paras. 113 and 126).

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 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.

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

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	File Number
WPOK659	0008716070
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
09-12-2019	09-12-2019	09-29-2029	09-13-2019

Market Number	Channel Block	Sub-Market Designator
BTA423	C	1

Market Name
Somerset, KY

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
09-29-2004	09-29-2009		

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOK659 **File Number:** 0008716070 **Print Date:** 09-13-2019

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

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	File Number
WPXT205	
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
06-02-2015	08-31-2018	06-23-2025	

Market Number	Channel Block	Sub-Market Designator
MTA026	A	8

Market Name
Louisville-Lexington-Evansvill

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPXT205 **File Number:** **Print Date:**

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPXT205 **File Number:** **Print Date:**

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

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

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
11-29-2006	08-31-2018	11-29-2021	

Market Number	Channel Block	Sub-Market Designator
CMA447	A	0

Market Name
Kentucky 5 - Barren

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

Waivers/Conditions:

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGA818 **File Number:** **Print Date:**

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

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

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
12-18-2006	08-31-2018	12-18-2021	

Market Number	Channel Block	Sub-Market Designator
BEA047	C	9

Market Name
Lexington, KY-TN-VA-WV

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

Waivers/Conditions:

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

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

Conditions:

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

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

FCC 601-MB
October 2017

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGD755 **File Number:** **Print Date:**

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status

EXHIBIT B

SITE DEVELOPMENT PLAN:

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

FA NUMBER: 15115959 / SITE ID: KYLEX2045
PROJECT TRACKING #: 10115706
SITE NAME: MORRIS HILL RD

1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY

PROPOSED 130' MONOPOLE TOWER

ZONING DRAWINGS

A/E DOCUMENT REVIEW STATUS

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

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

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

PROJECT SUMMARY

SITE NAME:	MORRIS HILL RD
SITE NUMBER:	FA 15115959
TAX MAP PROPERTY ID:	067-00-00-040.03
SITE ADDRESS:	1519 MORRIS HILL ROAD MONTICELLO, KY 42633
JURISDICTION:	WAYNE COUNTY
TOWER OWNER:	UNITI TOWERS 10802 EXECUTIVE CENTER DRIVE LITTLE ROCK, AR 72211
NAD83	
LATITUDE:	36.809592° N
LONGITUDE:	84.847103° W
APPLICANT:	NEW CINGULAR WIRELESS, PCS, LLC, A DELAWARE LIMITED LIABILITY COMPANY d/b/a AT&T MOBILITY MEIDINGER TOWER 462 S/ 4th STREET, SUITE 2400 LOUISVILLE, KY 40202
CO-APPLICANT:	N/A
OCCUPANCY TYPE:	UNMANNED
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

LOCATION MAP

NO SCALE

DRAWING INDEX

DESIGN INFORMATION

A&E FIRM:	B+T GROUP 840 E. McKELLIPS ROAD, BUILDING 2, SUITE 108 MESA, AZ 85203 MIKE A. SPEEDIE, PE (918) 587-4630	ELECTRIC PROVIDER:	SOUTH KENTUCKY RECC 606-678-4121
SURVEYOR:	POINT TO POINT 100 GOVERNORS TRACE, STE #103 PEACHTREE CITY, GA 30269 PH. (678) 565-4440	TELCO PROVIDER:	WINDSTREAM XXX-XXX-XXXX

DRIVING DIRECTIONS

DEPART 55 N MAIN ST, MONTICELLO, KY 42633 ON KY-90 BRANCH [KY-92] (SOUTH) 98 YDS
KEEP STRAIGHT ONTO KY-90 BRANCH [HIGHWAY 167] 0.2 MI
KEEP STRAIGHT ONTO KY-90 BRANCH [S MAIN ST] 0.2 MI
TURN RIGHT (WEST) ONTO ALBERTSON AVE [ALBERTSON ST] 0.2 MI
TURN LEFT (SOUTH-WEST) ONTO 1ST ST [S 1ST ST],
THEN IMMEDIATELY TURN LEFT (EAST) ONTO KY-90 BRANCH [S MAIN ST] 0.2 MI
TURN RIGHT (SOUTH) ONTO KY-167 21 YDS
BEAR RIGHT (SOUTH-WEST) ONTO KY-167 [HIGHWAY 167] 1.0 MI
TURN LEFT (SOUTH-EAST) ONTO MISSOURI HOLW RD [MISSOURI HOLLOW RD] 1.1 MI
ARRIVE 1519 MORRIS HILL RD, MONTICELLO, KY 42633

CODE COMPLIANCE

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

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

PROJECT DESCRIPTION

THE ZONING INCLUDES:
- CONSTRUCT (1) NEW 130' MONOPOLE TOWER
- CONSTRUCT FENCED GRAVEL UTILITY COMPOUND WITH LOCKING ACCESS GATE, 80' x 80' WITHIN 100' x 100' LEASE AREA.
- INSTALL (1) H-FRAME W/ UTILITY EQUIPMENT.
- INSTALL NEW POWER & TELCO UTILITY SERVICES.
- CONSTRUCT 12' WIDE GRAVEL ACCESS ROAD

DO NOT SCALE DRAWINGS

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

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

UNITI TOWERS
MORRIS HILL RD
FA# 15115959
PT# 10115706
1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 130' MONOPOLE TOWER

PROJECT NO: G0137326
CHECKED BY: MAS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRADLEY MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

TITLE SHEET

SHEET NUMBER:
T-1

PARENT PARCEL

OWNER: MARTY WALLEN AND TAMARA WALLEN

SITE ADDRESS: 1519 MORRIS HILL RD, MONTICELLO, KY 42633

PARCEL ID: 067-00-00-040.03

AREA: 3.54 ACRES (PER TAX ASSESSOR)

ZONED: NO ZONING IN UNINCORPORATED WAYNE COUNTY

ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS

REFERENCE: DEED BOOK 265 PAGE 597

PARENT PARCEL

(PER ORDER NO. 7989049)

1539 MORRIS HILL RD.

BEGINNING ON AN IRON PIN, A CORNER TO THE ANNIE PATTON TRACT, AND RUNNING S 70 DEG. 45' 02" W 259.65' TO AN IRON PIN AT THE RIGHT OF WAY OF THE MORRIS HILL ROAD; THENCE WITH SAID RIGHT OF WAY N 40 DEG. 21' 51" W 154.42' TO AN IRON PIN, N 38 DEG. 19' 54" W 185.36' TO AN IRON PIN; THENCE LEAVING SAID RIGHT OF WAY AND RUNNING N 43 DEG. 48' 30" E 332.50' TO A POST AT THE FENCE CORNER THENCE S 49 DEG. 06' 18" E 445.50' TO AN IRON PIN AND OAK STUMP; THENCE S 40 DEG. 20' 58" W 165.00' TO THE BEGINNING. CONTAINING 3.54 ACRES AS SURVEYED BY WAYNE ENG. ASSOC., INC. 12/11/90.

BEING THE SAME PROPERTY CONVEYED TO MARTY WALLEN AND HIS WIFE TAMARA WALLEN, BY DEED DATED SEPTEMBER 21, 1998, OF RECORD IN DEED BOOK 26, PAGE 597, IN THE OFFICE OF THE CLERK OF WAYNE COUNTY, KENTUCKY.

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY, SEARCHED THROUGH OCTOEBR 24, 2019 AT 8:00 AM, BEING ORDER NO. 7989049, REFERENCE NO. 19-2063, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

MORTGAGES:

9. PAY AND HAVE RELEASED OF RECORD MORTGAGE TO SECURE $69,857.00, IN FAVOR OF FIRST SOUTHERN NATIONAL BANK, DATED APRIL 11, 2012, AND RECORDED IN MORTGAGE BOOK 362, PAGE 372, IN THE OFFICE OF THE CLERK OF WAYNE COUNTY, KENTUCKY.

[THIS ITEM DESCRIBES THE PARENT PARCEL & IS BLANKET IN NATURE.]

LIENS:

10. HAVE RELEASED OF RECORD NORTICE OF JUDGEMENT LIEN OF RECORD IN MESCELLANEOUS LIEN AND ENCUMBRANCE BOOK 28, PAGE 347 (TAMARA WALLEN), IN THE OFFICE AFORESAID (COPY ATTACHED) OR ESTABLISH THAT LIEN DOES NOT AFFECT.

[THIS ITEM MAY AFFECT THE PARENT PARCEL BUT DOES NOT CONTAIN A PLOTTABLE DESCRIPTION.]

EASEMENTS, RESTRICTIONS AND OTHER MATTERS AFFECTING TITLE SEARCHED:

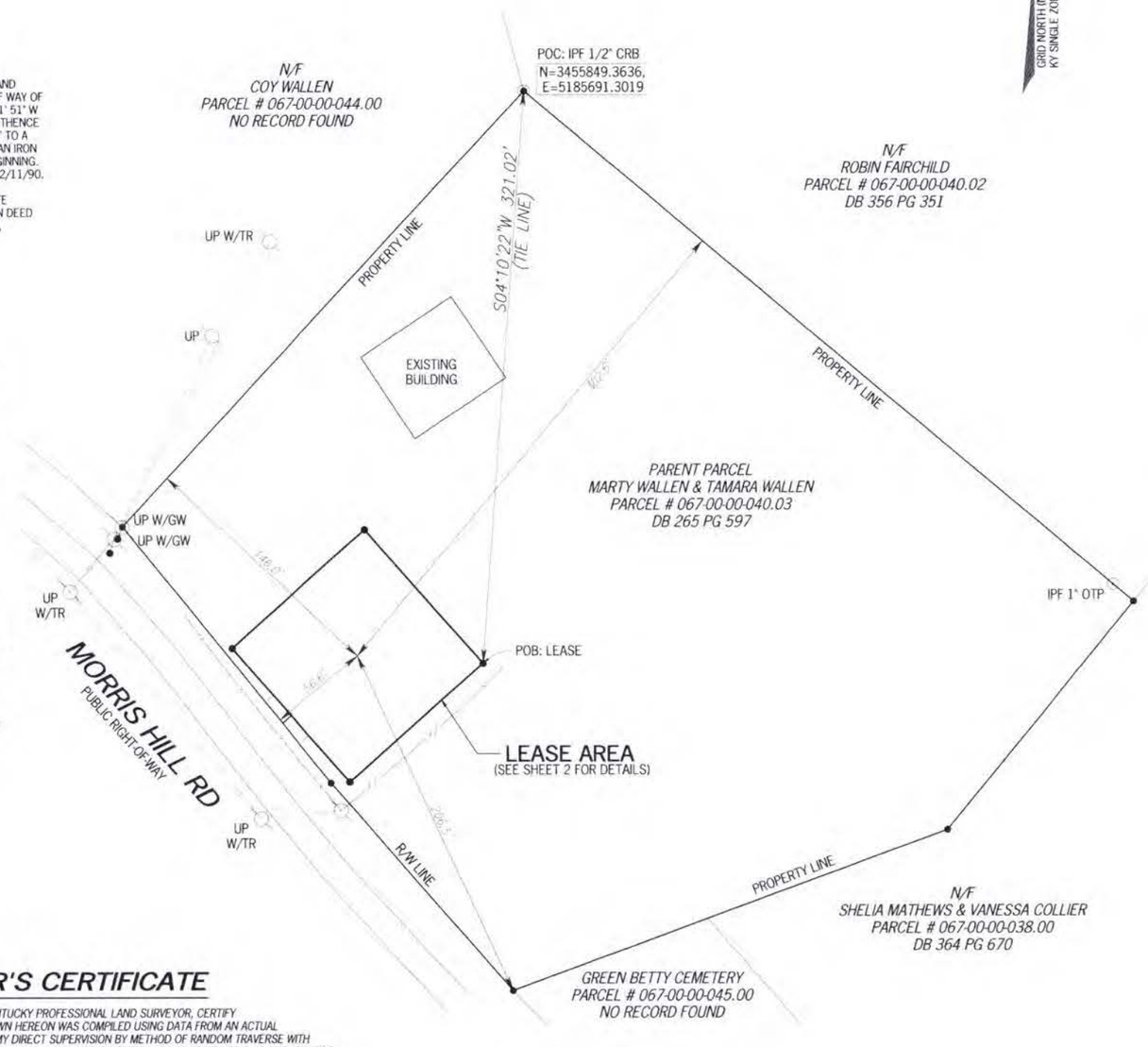
11. DEED OF EASEMENT OF RECORD IN DEED BOOK 230, PAGE 280, IN THE OFFICE OF THE CLERK AFORESAID.

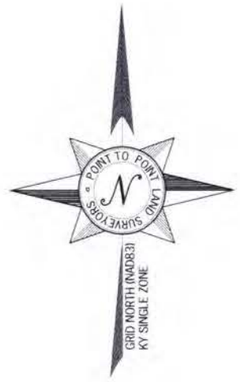
[THIS ITEM MAY AFFECT THE PARENT PARCEL AND IS BLANKET IN NATURE.]

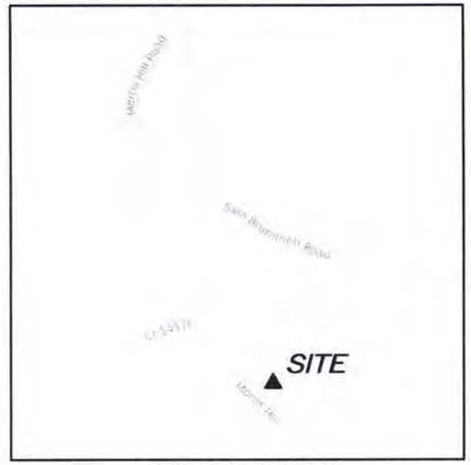
GPS NOTES

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

POSITIONAL ACCURACY:0.02 FEET (HORZ) 0.08 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: 10/29/19
DATUM / EPOCH: NAD_83(2011)(EPOCH:2010.0000)
PUBLISHED / FIXED CONTROL USE: N/A
GEOID MODEL: 18
COMBINED GRID FACTOR(S): 1.00000843 CENTERED ON THE GPS BASE POINT AS SHOWN HEREON.
CONVERGENCE ANGLE: 0.55434444°







VICINITY MAP

NOT TO SCALE

GENERAL NOTES

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

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

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

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TPS 1200 ROBOTIC & GEOMAX ZENITH 35. [DATE OF LAST FIELD VISIT: 10/29/19]

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 KENTUCKY GRID NORTH (NAD 83) 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. : 21231C0200C DATED: 09/02/2009

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

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

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

LEGEND

POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
IPS	IRON PIN SET
IPF	IRON PIN FOUND
CMF	CONCRETE MONUMENT FOUND
OTP	OPEN TOP PIPE
CRB	CAPPED REBAR
UP	UTILITY POLE
LP	LIGHT POLE
INV	INVERT
EP	EDGE OF PAVEMENT
OU	OVERHEAD UTILITY
UE	UNDERGROUND UTILITY
GW	GUY WIRE ANCHOR
TR	TRANSFORMER
N/F	NOW OR FORMERLY

SURVEYOR'S CERTIFICATE

I, G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN URBAN SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 201 KAR 18:150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

G. DARRELL TAYLOR, PLS 4179 — 12/02/19 DATE

40 0 80 160
GRAPHIC SCALE IN FEET
SCALE: 1" = 80'

SURVEY NOT VALID WITHOUT SHEET 2 OF 2

Know what's below. Call before you dig.

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

NO.	DATE	REVISION
1	12/02/2019	ADDED TITLE -EAL
2	6/22/2020	911 ADDRESS

* 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:

Uniti Towers

MORRIS HILL RD
FA15115959
WAYNE COUNTY, KENTUCKY

DRAWN BY: EAL	SHEET: 1
CHECKED BY: JKL	
APPROVED: D. MILLER	
DATE: NOVEMBER 7, 2019	
P2P JOB #: 194905KY	OF 2

E:\Dropbox (Point To Point)\P2P Current Jobs\2019\194905KY\FA15115959 Morris Hill Rd\194905KY.pro

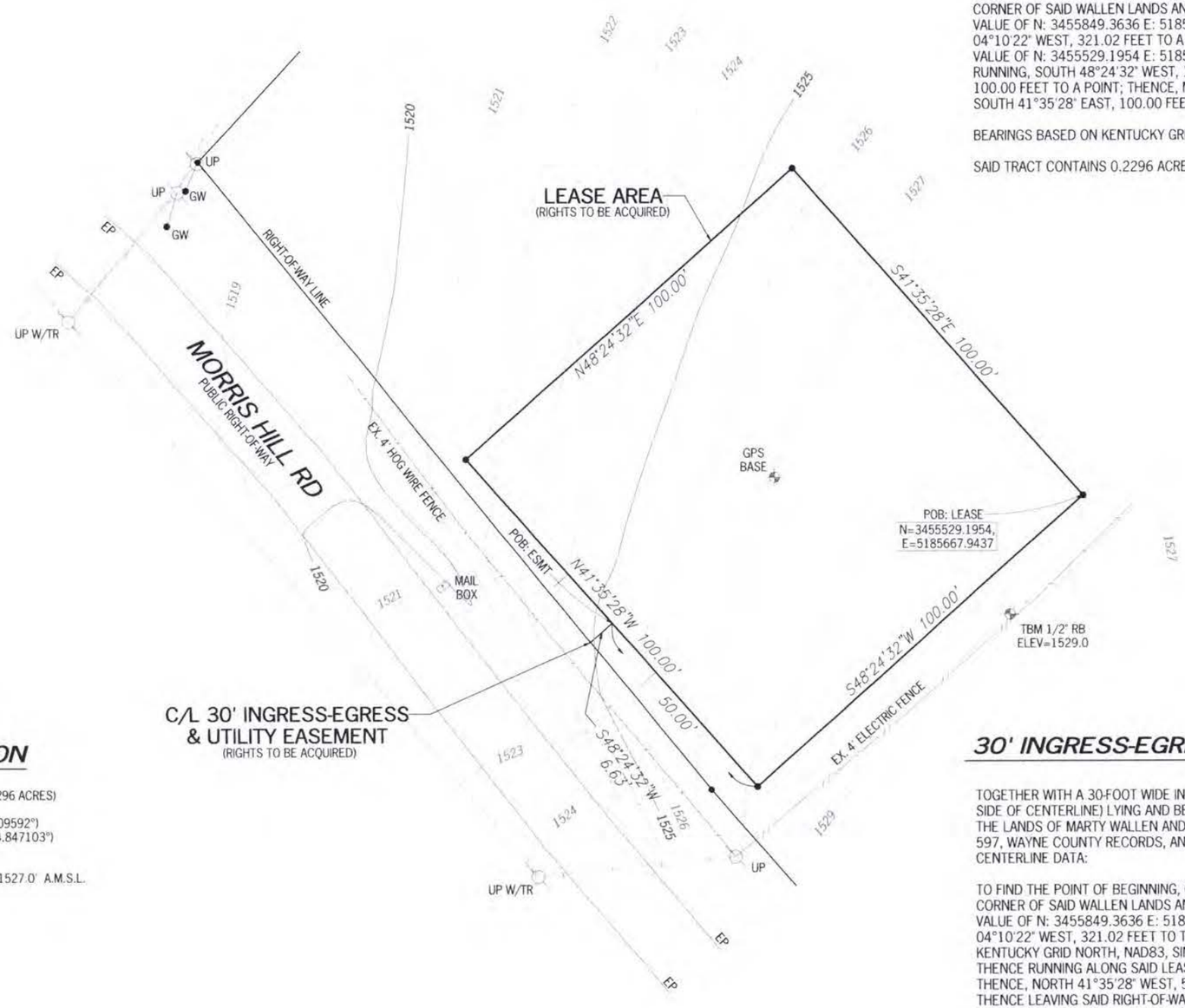
LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN WAYNE COUNTY, KENTUCKY AND BEING A PORTION OF THE LANDS OF MARTY WALLEN AND TAMARA WALLEN, AS RECORDED IN DEED BOOK 265 PAGE 597, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½-INCH REBAR FOUND AT THE NORTHWEST CORNER OF SAID WALLEN LANDS AND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455849.3636 E: 5185691.3019; THENCE RUNNING ALONG A TIE LINE, SOUTH 04°10'22" WEST, 321.02 FEET TO A POINT HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455529.1954 E: 5185667.9437 AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, SOUTH 48°24'32" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 41°35'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 48°24'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 41°35'28" EAST, 100.00 FEET TO A POINT; AND THE POINT OF BEGINNING.

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

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



SITE INFORMATION

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

LATITUDE = 36°48'34.53" (NAD 83) (36.809592°)
LONGITUDE = -84°50'49.57" (NAD 83) (-84.847103°)
AT CENTER LEASE AREA

ELEVATION AT CENTER OF LEASE AREA = 1527.0' A.M.S.L.

LEGEND

POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
IPS	IRON PIN SET
IPF	IRON PIN FOUND
CMF	CONCRETE MONUMENT FOUND
OTP	OPEN TOP PIPE
CRB	CAPPED REBAR
UP	UTILITY POLE
LP	LIGHT POLE
INV	INVERT
EP	EDGE OF PAVEMENT
OU	OVERHEAD UTILITY
UE	UNDERGROUND UTILITY
GW	GUY WIRE ANCHOR
TR	TRANSFORMER
N/F	NOW OR FORMERLY

15 0 30 60
GRAPHIC SCALE IN FEET
SCALE: 1" = 30'

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 WAYNE COUNTY, KENTUCKY AND BEING A PORTION OF THE LANDS OF MARTY WALLEN AND TAMARA WALLEN, AS RECORDED IN DEED BOOK 265 PAGE 597, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½-INCH REBAR FOUND AT THE NORTHWEST CORNER OF SAID WALLEN LANDS AND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455849.3636 E: 5185691.3019; THENCE RUNNING ALONG A TIE LINE, SOUTH 04°10'22" WEST, 321.02 FEET TO THE NORTHEAST CORNER OF THE LEASE AREA, HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455529.1954 E: 5185667.9437; THENCE RUNNING ALONG SAID LEASE AREA, SOUTH 48°24'32" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 41°35'28" WEST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, SOUTH 48°24'32" WEST, 6.63 FEET TO THE ENDING AT A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF MORRIS HILL ROAD.

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

SURVEY NOT VALID WITHOUT SHEET 1 OF 2

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

NO.	DATE	REVISION
1	12/02/2019	ADDED TITLE -EAL
2	6/22/2020	911 ADDRESS

* 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:

Uniti Towers

MORRIS HILL RD
FA15115959

WAYNE COUNTY, KENTUCKY

DRAWN BY: EAL
CHECKED BY: JKL
APPROVED: D. MILLER
DATE: NOVEMBER 7, 2019
P2P JOB #: 194905KY

SHEET: 2 OF 2

E:\Dropbox (Point To Point)\P2P Current Jobs\2019\194905KY FA15115959 Morris Hill Rd\194905KY.pro

#	OWNER	ADDRESS	PID	REF
1	MARTY & TAMARA WALLEN	7428 E HWY 90 MONTICELLO, KY 42633	067-00 00 040.03	DB 265 PG 597
2	COY WALLEN	1425 MORRIS HILL RD MONTICELLO, KY 42633	067-00 00 044.00	NO RECORD FND
3	ROBIN FAIRCHILD	655 S BRUMMETT RD MONTICELLO, KY 42633	067-00 00 040.02	DB 356 PG 351
4	SHELIA MATHEWS & VANESSA COLLIER	125 18th AVENUE MOLINE, IL 61265	067-00 00 038.00	DB 364 PG 670
5	GREEN BETTY CEMETERY	GREEN BETTY CEMETERY MONTICELLO, KY 42633	067-00 00 045.00	NO RECORD FND
6	SAM & KATHERINE ROBERTS	1600 MORRIS HILL RD MONTICELLO, KY 42633	053-00 00 081.00	DB 322 PG 207
7	CHARLES OLIVER PHIPPS	1764 MORRIS HILL RD MONTICELLO, KY 42633	053-00 00 078.00	DB 143 PG 360
8	COY WALLEN	1425 MORRIS HILL RD MONTICELLO, KY 42633	XXX-002.00ETC	DB 227 PG 637
9	WILLIAM C. SMITH	317 EASTLAND DR MONTICELLO, KY 42633	XXX-006.00	DB 204 PG 309
10	FREEMAN TROXELL	1446 MORRIS HILLRD MONTICELLO, KY 42633	XXX-003.00	-
11	LEONARD MORRIS	P.O. BOX 782 MONTICELLO, KY 42633	XXX-025.00ETC	DB 252 PG 248

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 7/16/2020 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: 0' 100' 200' 300' 400' 1"=200'

N

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

B+T GRP

at&t mobility corp.

Uniti Towers

UNITI TOWERS
MORRIS HILL RD
FA# 15115959
PT# 10115706
1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 130' MONOPOLE TOWER

PROJECT NO: G0137326
CHECKED BY: MAS

ISSUED FOR:

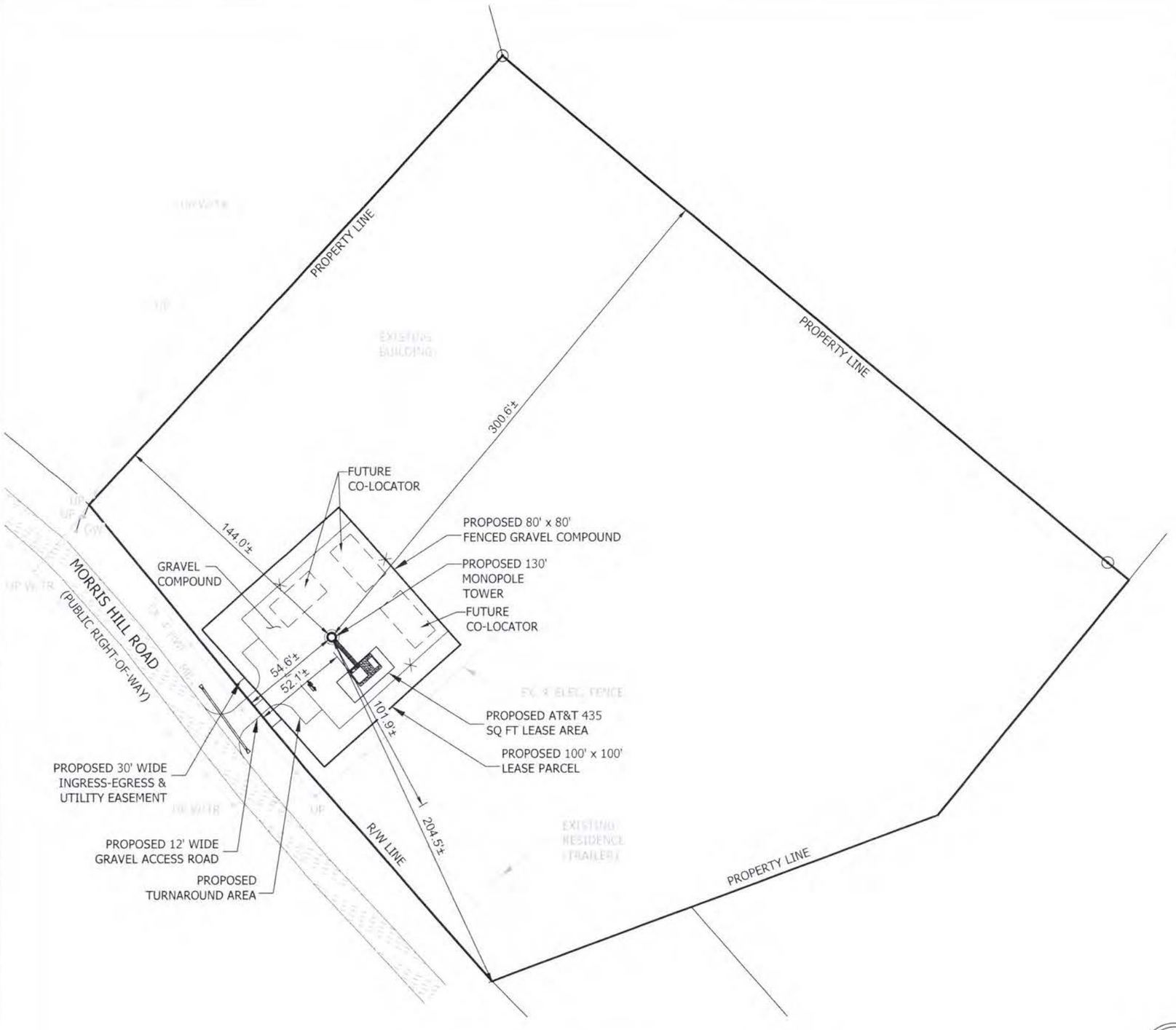
REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRAD D. MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

500' RADIUS & ADJOINER'S DRAWING

SHEET NUMBER:
C-1



1 OVERALL SITE PLAN

SCALE: 1"=60'

0' 30' 60' 90' 120'

N

NOTES:

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

2. CENTER OF TOWER:

LATITUDE: NORTH 36°48'34.53" (36.809592) NAD 83
LONGITUDE: WEST -84°50'49.57" (-84.847103) NAD 83
GROUND ELEVATION @ 1527.0' A.M.S.L.

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

NORTH:	302.6'±
SOUTH:	56.6'±
EAST:	206.5'±
WEST:	146.0'±

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

811

B+T GRP

at&t mobility corp.

Uniti Towers

UNITI TOWERS

MORRIS HILL RD

FA# 15115959
PT# 10115706

1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY

PROPOSED 130' MONOPOLE TOWER

PROJECT NO:	G0137326
CHECKED BY:	MAS

ISSUED FOR:

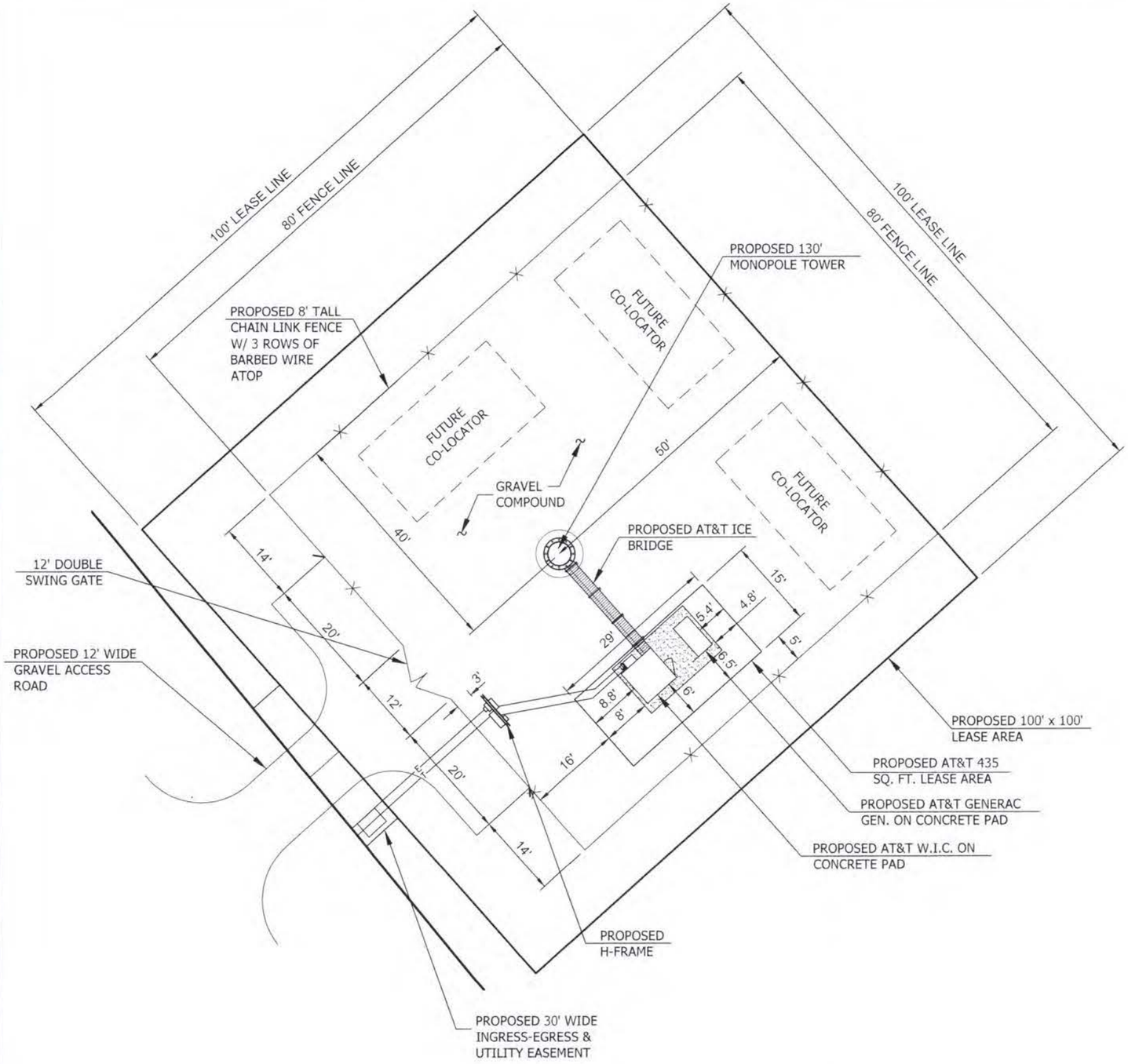
REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRADLEY D. MILAKOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

OVERALL SITE LAYOUT

SHEET NUMBER:
C-2



1 ENLARGED COMPOUND LAYOUT

SCALE: 0' 10' 20' 30' 40' 1"=20'

N

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

811

B+T GRP

at&t mobility corp.

Uniti Towers

UNITI TOWERS

MORRIS HILL RD

FA# 15115959
PT# 10115706
1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY

PROPOSED 130' MONOPOLE TOWER

PROJECT NO:	G0137326
CHECKED BY:	MAS

ISSUED FOR:

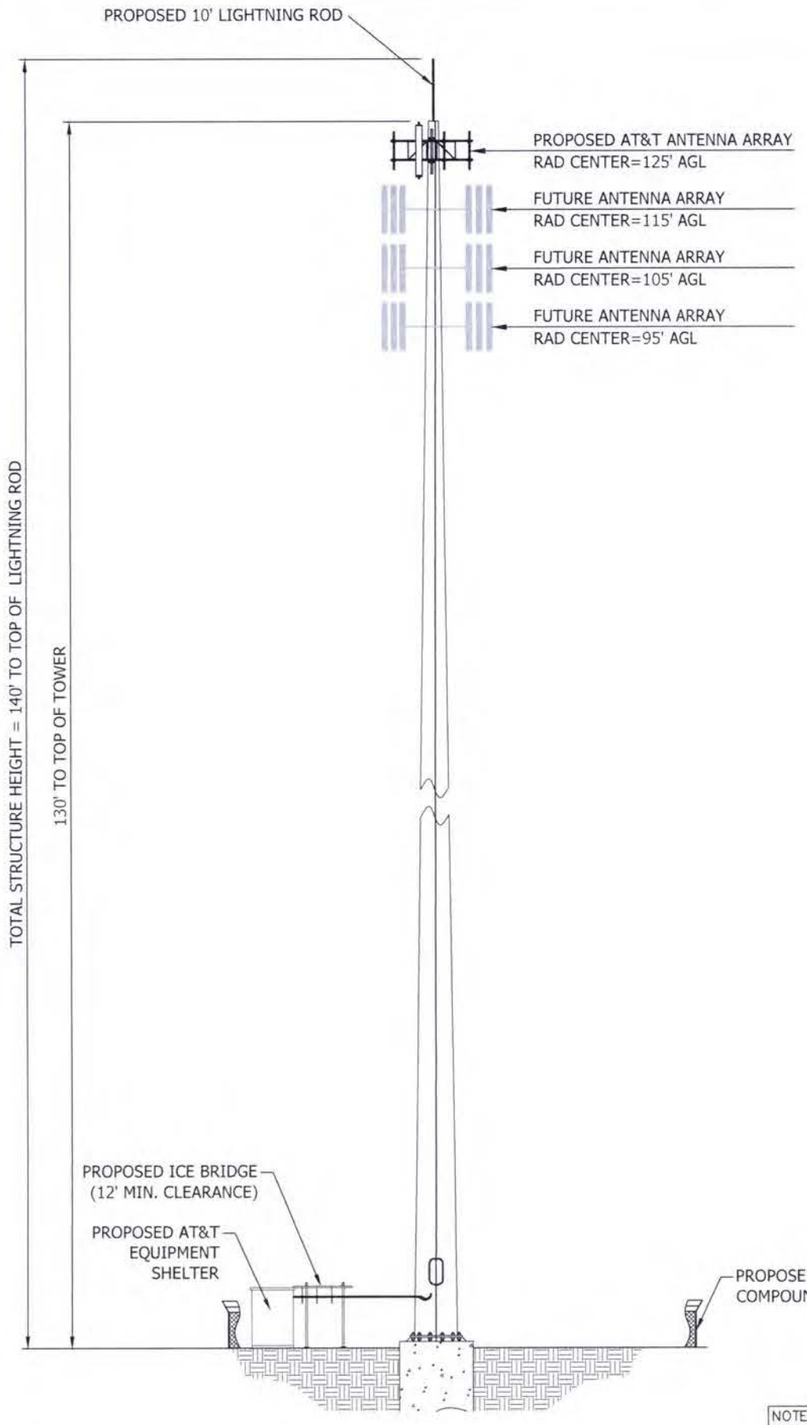
REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRADLEY MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

ENLARGED COMPOUND LAYOUT

SHEET NUMBER:
C-3



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.
3. TOWER PAINTING SHALL HAVE A GALVANIZED FINISH IN ACCORDANCE WITH FAA AND LOCAL REQUIREMENTS.

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

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

B+T GRP

at&t mobility corp.

Uniti Towers

UNITI TOWERS
MORRIS HILL RD
FA# 15115959
PT# 10115706
1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 130' MONOPOLE TOWER

PROJECT NO:	G0137326
CHECKED BY:	MAS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRAD P. MILANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

TOWER ELEVATION

SHEET NUMBER:
C-4

EXHIBIT C
TOWER AND FOUNDATION DESIGN

Uniti Group Headquarters

10802 Executive Center Dr

Little Rock, AR 72211

August 10, 2020

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

RE: Site Name – Monticello Relo
Proposed Cell Tower
36.809592 North Latitude, 84.847103 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: 2020.08.10 11:01:46 -05'00'

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

Sabre Industries™
INNOVATION DELIVERED

Structural Design Report

130' Monopole
Site: Morris Hill Road, KY
Site Number: 15115959

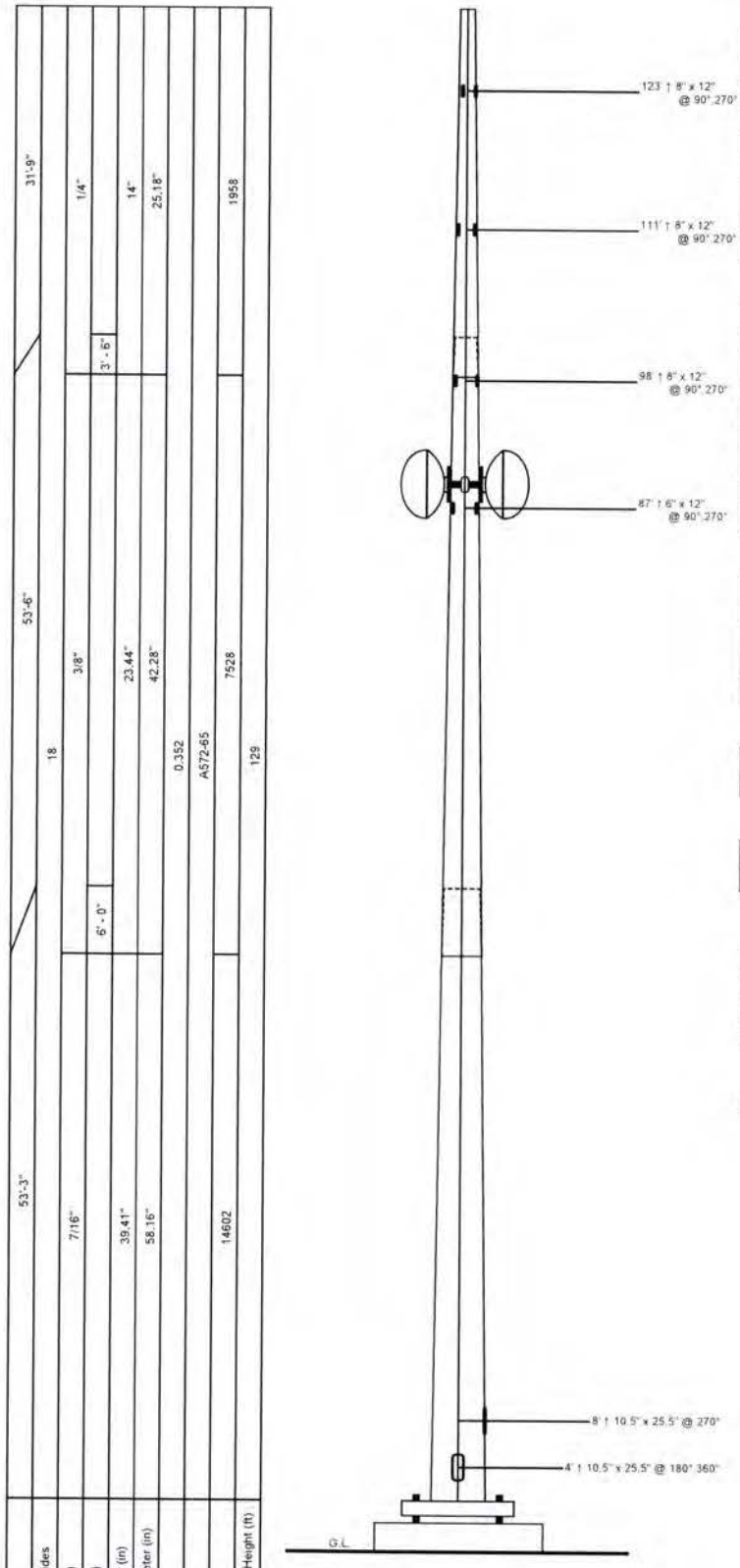
Prepared for: UNITI TOWERS/CS&L
by: Sabre Industries ™

Job Number: 21-1629-JAC-R1

September 11, 2020

9/11/20

Digitally Signed By Amy R. Herbst
DN: c=US, st=Texas, l=Alvarado, o=SABRE INDUSTRIES, INC., cn=Amy R. Herbst, email=arherbst@sabreindustries.com Date: 2020.09.11 16:42:18



Length (ft)	53'-3"	53'-6"	31'-9"
Number Of Sides	18	18	
Thickness (in)	7/16"	3/8"	1/4"
Lap Splice (ft)		6' - 0"	3' - 6"
Top Diameter (in)	39.41"	23.44"	14"
Bottom Diameter (in)	58.16"	42.28"	25.18"
Taper (in/ft)	0.352		
Grade	A572-65		
Weight (lbs)	14602	7528	1958
Overall Steel Height (ft)	129		

Designed Appurtenance Loading

Elev	Description	Tx-Line
125	(1) 40,000 sq. in. antenna loading (at top)	(9) 1 5/8"
125		(6) 1 1/2"
113	(1) 30,000 sq. in. antenna loading (below top)	(9) 1 5/8"
113		(6) 1 1/2"
101	(1) 30,000 sq. in. antenna loading (below top)	(9) 1 5/8"
101		(6) 1 1/2"
89	(2) Dish Mount (Monopole Only) - Pipe Mount (up to 6' Dish)	
89	(2) 6' Solid Dish W/ Radome	(2) 1 5/8"

Design Criteria - ANSI/TIA-222-H

Wind Speed (No Ice)	105 mph
Wind Speed (Ice)	30 mph
Design Ice Thickness	1.50 in
Risk Category	II
Exposure Category	C
Topographic Factor Procedure	Method 1 (Simplified)
Topographic Category	3
Crest Height	410 ft
Ground Elevation	1527 ft

Load Case Reactions

Description	Axial (kips)	Shear (kips)	Moment (ft-k)	Deflection (ft)	Sway (deg)
3s Gusted Wind	48.33	55.66	5546.12	10	9.43
3s Gusted Wind 0.9 Dead	36.3	55.63	5489.86	9.86	9.27
3s Gusted Wind&Ice	75.91	7.36	725.91	1.33	1.24
Service Loads	40.27	16.26	1620.04	2.98	2.78

Base Plate Dimensions

Shape	Diameter	Thickness	Bolt Circle	Bolt Qty	Bolt Diameter
Round	70.75"	2.25"	65"	18	2.25"

Anchor Bolt Dimensions

Length	Diameter	Hole Diameter	Weight	Type	Finish
84"	2.25"	2.625"	2179.8	A615-75	Galv

Notes

1) Antenna Feed Lines Run Inside Pole
2) All dimensions are above ground level, unless otherwise specified.
3) Weights shown are estimates. Final weights may vary.
4) Full Height Step Bolts
5) This tower design and, if applicable, the foundation design(s) shown on the following page(s) also meet or exceed the requirements of the 2015 International Building Code.
6) Tower Rating: 99.6%

Sabre Industries
INNOVATION DELIVERED

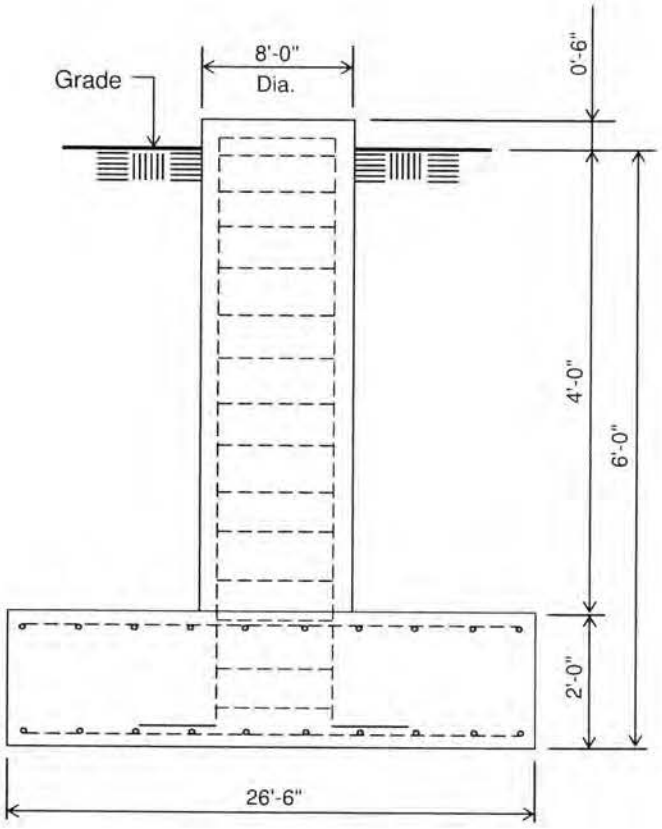
Sabre Industries
7101 Southbridge Drive
P.O. Box 658
Sioux City, IA 51102-0658
Phone: (712) 258-6690
Fax: (712) 279-0814

Job:	**21-1629-JAC-R1**
Customer:	UNITI TOWERS/CS&L
Site Name:	Morris Hill Road, KY 15115959
Description:	130' Monopole
Date:	9/11/2020 By: ARH

Sabre Industries
INNOVATION DELIVERED

No.: 21-1629-JAC-R1
Date: 09/11/20
By: DJH

Customer: UNITI TOWERS/CS&L
Site: Morris Hill Road, KY 15115959
130' Monopole



ELEVATION VIEW
(60.40 Cu. Yds.)
(1 REQUIRED; NOT TO SCALE)

Notes:

1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-14.
2) Rebar to conform to ASTM specification A615 Grade 60.
3) All rebar to have a minimum of 3" concrete cover.
4) All exposed concrete corners to be chamfered 3/4".
5) The foundation design is based on the geotechnical report by Delta Oaks Group; project# GEO20-06721-08 Revision 0; dated July 31, 2020.
6) See the geotechnical report for compaction requirements, if specified.
7) 4 ft of soil cover is required over the entire area of the foundation slab.
8) The bottom anchor bolt template shall be positioned as closely as possible to the bottom of the anchor bolts.

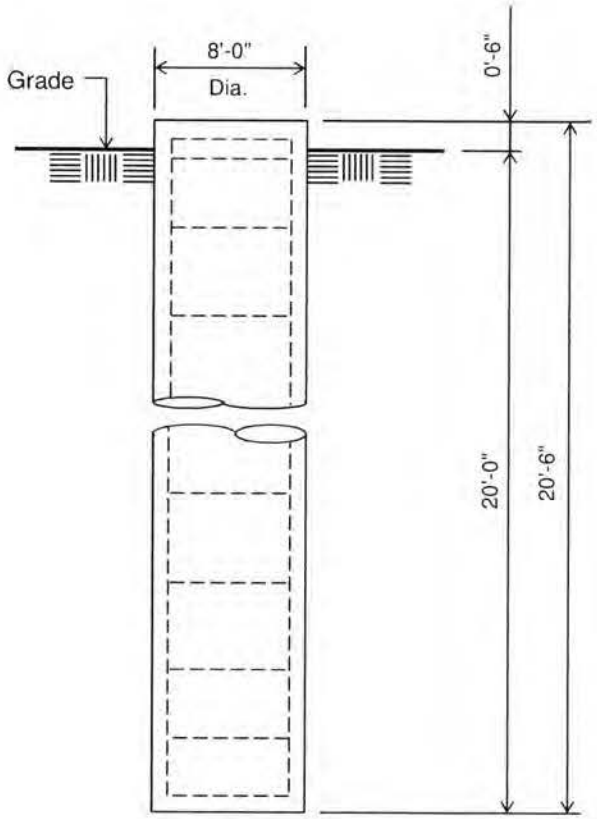
Rebar Schedule for Pad and Pier	
Pier	(46) #10 vertical rebar w/ hooks at bottom w/ #5 ties, (2) within top 5" of pier, then 4" C/C
Pad	(31) #10 horizontal rebar evenly spaced each way top and bottom (124 total)

7101 Southbridge Drive - P.O. Box 658 - Sioux City, IA 51102-0658 - Phone 712.258.6690 - Fax 712.279.0814

Sabre Industries
INNOVATION DELIVERED

No.: 21-1629-JAC-R1
Date: 09/11/20
By: DJH

Customer: UNITI TOWERS/CS&L
Site: Morris Hill Road, KY 15115959
130' Monopole



ELEVATION VIEW
(38.16 Cu. Yds.)
(1 REQUIRED; NOT TO SCALE)

Notes:

1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-14.
2) Rebar to conform to ASTM specification A615 Grade 60.
3) All rebar to have a minimum of 3" concrete cover.
4) All exposed concrete corners to be chamfered 3/4".
5) The foundation design is based on the geotechnical report by Delta Oaks Group; project# GEO20-06721-08 Revision 0; dated July 31, 2020.
6) See the geotechnical report for drilled pier installation requirements, if specified.
7) The bottom anchor bolt template shall be positioned as closely as possible to the bottom of the anchor bolts.
8) The foundation extends beyond the bottom of the boring. Difficult drilling should be anticipated. Soil parameters must be verified prior to installation.

Rebar Schedule for Pier	
Pier	(46) #10 vertical rebar w/ #5 ties, (2) within top 5" of pier, then 7" C/C

7101 Southbridge Drive - P.O. Box 658 - Sioux City, IA 51102-0658 - Phone 712.258.6690 - Fax 712.279.0814

130' Monopole / Morris Hill Road, KY

* All pole diameters shown on the following pages are across corners.
See profile drawing for widths across flats.

POLE GEOMETRY

ELEV ft	SECTION NAME	No. SIDE	OUTSIDE DIAM in	THICK -NESS in	RESISTANCES ♦*Pn kip	♦*Mn ft-kip	SPLICE TYPE	...OVERLAP... LENGTH ft	RATIO	w/t
129.0										
			14.22	0.250	810.6	227.0				
	A	18								8.6
			24.31	0.250	1396.4	678.6				
100.7										
			24.31	0.250	1396.4	678.6				
	A/B	18					SLIP	3.50	1.70	
			25.06	0.375	2149.6	1067.0				
97.2										
			25.06	0.375	2149.6	1067.0				
	B	18								10.7
			40.77	0.375	3421.6	2795.2				
53.2										
			40.77	0.375	3421.6	2795.2				
	B/C	18					SLIP	6.00	1.73	
			42.18	0.438	4240.2	3574.9				
47.2										
			42.18	0.438	4240.2	3574.9				
	C	18								15.9
			59.06	0.438	5398.6	6411.2				
0.0										

POLE ASSEMBLY

SECTION NAME	BASE ELEV ft	.....BOLTS AT BASE OF SECTION..... NUMBER	TYPE	DIAM in	STRENGTH ksi	THREADS IN SHEAR PLANE	CALC BASE ELEV ft
A	97.250	0	A325	0.00	92.0	0	97.250
B	47.250	0	A325	0.00	92.0	0	47.250
C	0.000	0	A325	0.00	92.0	0	0.000

POLE SECTIONS

SECTION NAME	No.of SIDES	LENGTH ft	OUTSIDE.DIAMETER BOT * in	TOP * in	BEND RAD in	MAT-ERIAL ID	FLANGE.ID BOT	TOP	FLANGE.WELD ..GROUP.ID.. BOT	TOP
A	18	31.75	25.56	14.22	0.625	1	0	0	0	0
B	18	53.50	42.93	23.81	0.625	2	0	0	0	0
C	18	53.25	59.06	40.02	0.625	3	0	0	0	0

* - Diameter of circumscribed circle

MATERIAL TYPES

TYPE OF SHAPE	TYPE NO	NO OF ELEM. &	ORIENT deg	HEIGHT in	WIDTH in	.THICKNESS. WEB in	FLANGE in	IRREGULARITY .PROJECTION. % OF AREA	ORIENT deg
PL	1	1	0.0	25.56	0.25	0.250	0.250	0.00	0.0
PL	2	1	0.0	42.93	0.38	0.375	0.375	0.00	0.0
PL	3	1	0.0	59.06	0.44	0.438	0.438	0.00	0.0

& - With respect to vertical

MATERIAL PROPERTIES

MATERIAL TYPE NO.	ELASTIC MODULUS ksi	UNIT WEIGHT pcf	.. STRENGTH .. Fu ksi	Fy ksi	THERMAL COEFFICIENT /deg
1	29000.0	490.0	80.0	65.0	0.00001170
2	29000.0	490.0	80.0	65.0	0.00001170
3	29000.0	490.0	80.0	65.0	0.00001170

* Only 3 condition(s) shown in full
* Some concentrated wind loads may have been derived from full-scale wind tunnel testing

LOADING CONDITION A

105 mph wind with no ice. Wind Azimuth: 0♦

LOADS ON POLE

LOAD TYPE	ELEV ft	APPLY..LOAD..AT RADIUS ft	AZI	LOAD AZI	.....FORCES..... HORIZ kip	DOWN kip	.....MOMENTS..... VERTICAL ft-kip	TORSNAL ft-kip
C	125.000	0.00	0.0	0.0	0.0448	0.0168	0.0000	0.0000
C	124.000	0.00	0.0	0.0	0.0000	2.0624	0.0000	0.0000
C	124.000	0.00	0.0	0.0	17.0607	7.2000	0.0000	0.0000
C	115.000	0.00	0.0	0.0	0.0450	0.0168	0.0000	0.0000
C	112.000	0.00	0.0	0.0	0.0000	1.8628	0.0000	0.0000
C	112.000	0.00	0.0	0.0	10.2934	4.8000	0.0000	0.0000
C	105.000	0.00	0.0	0.0	0.0452	0.0168	0.0000	0.0000
C	100.000	0.00	0.0	0.0	0.0000	1.6632	0.0000	0.0000
C	100.000	0.00	0.0	0.0	10.3385	4.8000	0.0000	0.0000
C	95.000	0.00	0.0	0.0	0.0454	0.0168	0.0000	0.0000
C	88.000	0.00	0.0	0.0	0.0000	0.2196	0.0000	0.0000
C	85.000	0.00	0.0	0.0	0.0454	0.0168	0.0000	0.0000
C	75.000	0.00	0.0	0.0	0.0454	0.0168	0.0000	0.0000
C	65.000	0.00	0.0	0.0	0.0452	0.0168	0.0000	0.0000
C	55.000	0.00	0.0	0.0	0.0449	0.0168	0.0000	0.0000
C	45.000	0.00	0.0	0.0	0.0443	0.0168	0.0000	0.0000
C	35.000	0.00	0.0	0.0	0.0433	0.0168	0.0000	0.0000
C	25.000	0.00	0.0	0.0	0.0416	0.0168	0.0000	0.0000
C	15.000	0.00	0.0	0.0	0.0386	0.0168	0.0000	0.0000
D	129.000	0.00	180.0	0.0	0.0513	0.0501	0.0000	0.0000
D	119.583	0.00	180.0	0.0	0.0513	0.0501	0.0000	0.0000
D	119.583	0.00	180.0	0.0	0.0624	0.0607	0.0000	0.0000
D	110.167	0.00	180.0	0.0	0.0624	0.0607	0.0000	0.0000
D	110.167	0.00	180.0	0.0	0.0736	0.0713	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0736	0.0713	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0812	0.1942	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0812	0.1942	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0903	0.1310	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.0903	0.1310	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.1075	0.1558	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.1075	0.1558	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.1239	0.1806	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.1239	0.1806	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.1346	0.4255	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.1346	0.4255	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.1403	0.2451	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.1403	0.2451	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.1487	0.2684	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.1487	0.2684	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.1513	0.2918	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.1513	0.2918	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.1622	0.3152	0.0000	0.0000
D	0.000	0.00	180.0	0.0	0.1622	0.3152	0.0000	0.0000

ANTENNA LOADING

.....ANTENNA..... TYPE	ELEV ft	AZI	ATTACHMENT RAD ft	AZI	.....ANTENNA FORCES..... AXIAL kip	SHEAR kip	GRAVITY kip	TORSION ft-kip

STD+R	88.0	180.0	1.9	180.0	-1.22	0.00	0.24	0.00
STD+R	88.0	0.0	1.9	0.0	1.52	0.00	0.24	0.00

LOADING CONDITION M

105 mph wind with no ice. Wind Azimuth: 0♦

LOADS ON POLE

LOAD TYPE	ELEV	APPLY..LOAD..AT RADIUS	AZI	LOAD AZI	.....FORCES..... HORIZ	DOWN	.....MOMENTS..... VERTICAL	TORSNAL
	ft	ft			kip	kip	ft-kip	ft-kip
C	125.000	0.00	0.0	0.0	0.0448	0.0126	0.0000	0.0000
C	124.000	0.00	0.0	0.0	0.0000	1.5468	0.0000	0.0000
C	124.000	0.00	0.0	0.0	17.0607	5.4000	0.0000	0.0000
C	115.000	0.00	0.0	0.0	0.0450	0.0126	0.0000	0.0000
C	112.000	0.00	0.0	0.0	0.0000	1.3971	0.0000	0.0000
C	112.000	0.00	0.0	0.0	10.2934	3.6000	0.0000	0.0000
C	105.000	0.00	0.0	0.0	0.0452	0.0126	0.0000	0.0000
C	100.000	0.00	0.0	0.0	0.0000	1.2474	0.0000	0.0000
C	100.000	0.00	0.0	0.0	10.3385	3.6000	0.0000	0.0000
C	95.000	0.00	0.0	0.0	0.0454	0.0126	0.0000	0.0000
C	88.000	0.00	0.0	0.0	0.0000	0.1647	0.0000	0.0000
C	85.000	0.00	0.0	0.0	0.0454	0.0126	0.0000	0.0000
C	75.000	0.00	0.0	0.0	0.0454	0.0126	0.0000	0.0000
C	65.000	0.00	0.0	0.0	0.0452	0.0126	0.0000	0.0000
C	55.000	0.00	0.0	0.0	0.0449	0.0126	0.0000	0.0000
C	45.000	0.00	0.0	0.0	0.0443	0.0126	0.0000	0.0000
C	35.000	0.00	0.0	0.0	0.0433	0.0126	0.0000	0.0000
C	25.000	0.00	0.0	0.0	0.0416	0.0126	0.0000	0.0000
C	15.000	0.00	0.0	0.0	0.0386	0.0126	0.0000	0.0000
D	129.000	0.00	180.0	0.0	0.0513	0.0376	0.0000	0.0000
D	119.583	0.00	180.0	0.0	0.0513	0.0376	0.0000	0.0000
D	119.583	0.00	180.0	0.0	0.0624	0.0455	0.0000	0.0000
D	110.167	0.00	180.0	0.0	0.0624	0.0455	0.0000	0.0000
D	110.167	0.00	180.0	0.0	0.0736	0.0535	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0736	0.0535	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0812	0.1456	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0812	0.1456	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0903	0.0982	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.0903	0.0982	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.1075	0.1168	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.1075	0.1168	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.1239	0.1354	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.1239	0.1354	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.1346	0.3191	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.1346	0.3191	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.1403	0.1838	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.1403	0.1838	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.1487	0.2013	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.1487	0.2013	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.1513	0.2188	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.1513	0.2188	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.1622	0.2364	0.0000	0.0000
D	0.000	0.00	180.0	0.0	0.1622	0.2364	0.0000	0.0000

ANTENNA LOADING

.....ANTENNA..... TYPE	ELEV	AZI	ATTACHMENT RAD	AZI	.....ANTENNA FORCES..... AXIAL	SHEAR	GRAVITY	TORSION
	ft		ft		kip	kip	kip	ft-kip
STD+R	88.0	180.0	1.9	180.0	-1.22	0.00	0.18	0.00
STD+R	88.0	0.0	1.9	0.0	1.52	0.00	0.18	0.00

LOADING CONDITION Y

30 mph wind with 1.5 ice. Wind Azimuth: 0♦

LOADS ON POLE

LOAD	ELEV	APPLY..LOAD..AT		LOAD	.....FORCES.....		.....MOMENTS.....	

TYPE	ft	RADIUS ft	AZI	AZI	HORIZ kip	DOWN kip	VERTICAL ft-kip	TORSNAL ft-kip
C	125.000	0.00	0.0	0.0	0.0332	0.0288	0.0000	0.0000
C	124.000	0.00	0.0	0.0	0.0000	2.0624	0.0000	0.0000
C	124.000	0.00	0.0	0.0	1.9671	13.3377	0.0000	0.0000
C	115.000	0.00	0.0	0.0	0.0333	0.0288	0.0000	0.0000
C	112.000	0.00	0.0	0.0	0.0000	1.8628	0.0000	0.0000
C	112.000	0.00	0.0	0.0	1.2113	8.8888	0.0000	0.0000
C	105.000	0.00	0.0	0.0	0.0334	0.0288	0.0000	0.0000
C	100.000	0.00	0.0	0.0	0.0000	1.6632	0.0000	0.0000
C	100.000	0.00	0.0	0.0	1.2161	8.8830	0.0000	0.0000
C	95.000	0.00	0.0	0.0	0.0335	0.0288	0.0000	0.0000
C	88.000	0.00	0.0	0.0	0.0000	0.2196	0.0000	0.0000
C	85.000	0.00	0.0	0.0	0.0335	0.0288	0.0000	0.0000
C	75.000	0.00	0.0	0.0	0.0333	0.0288	0.0000	0.0000
C	65.000	0.00	0.0	0.0	0.0331	0.0288	0.0000	0.0000
C	55.000	0.00	0.0	0.0	0.0326	0.0288	0.0000	0.0000
C	45.000	0.00	0.0	0.0	0.0319	0.0288	0.0000	0.0000
C	35.000	0.00	0.0	0.0	0.0308	0.0288	0.0000	0.0000
C	25.000	0.00	0.0	0.0	0.0290	0.0288	0.0000	0.0000
C	15.000	0.00	0.0	0.0	0.0259	0.0288	0.0000	0.0000
D	129.000	0.00	180.0	0.0	0.0092	0.0949	0.0000	0.0000
D	119.583	0.00	180.0	0.0	0.0092	0.0949	0.0000	0.0000
D	119.583	0.00	180.0	0.0	0.0108	0.1139	0.0000	0.0000
D	110.167	0.00	180.0	0.0	0.0108	0.1139	0.0000	0.0000
D	110.167	0.00	180.0	0.0	0.0124	0.1329	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0124	0.1329	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0135	0.2615	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0135	0.2615	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0148	0.2050	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.0148	0.2050	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.0172	0.2424	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.0172	0.2424	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.0195	0.2794	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.0195	0.2794	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.0210	0.5325	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.0210	0.5325	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.0218	0.3567	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.0218	0.3567	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.0229	0.3878	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.0229	0.3878	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.0231	0.4164	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.0231	0.4164	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.0245	0.4380	0.0000	0.0000
D	0.000	0.00	180.0	0.0	0.0245	0.4380	0.0000	0.0000

ANTENNA LOADING
==========

.....ANTENNA..... TYPE	ELEV ft	AZI	ATTACHMENT RAD ft	AZI	.....ANTENNA FORCES..... AXIAL kip	SHEAR kip	GRAVITY kip	TORSION ft-kip
STD+R	88.0	180.0	1.9	180.0	-0.11	0.00	0.89	0.00
STD+R	88.0	0.0	1.9	0.0	0.14	0.00	0.89	0.00

(USA 222-H) - Monopole Spatial Analysis (c)2017 Guymast Inc.

Tel:(416)736-7453 Fax:(416)736-4372 Web:www.guymast.com

Processed under license at:

Sabre Towers and Poles on: 11 sep 2020 at: 14:59:13

130' Monopole / Morris Hill Road, KY

MAXIMUM POLE DEFORMATIONS CALCULATED(w.r.t. wind direction)
==========

MAST ELEV ft	.....DEFLECTIONS (ft)..... ..... HORIZONTAL ..... ALONG	ACROSS	DOWN	.....ROTATIONS (deg)..... ..... TILT ..... ALONG	ACROSS	TWIST
129.0	10.00A	0.03U	1.14A	9.43A	0.02U	-0.01I
119.6	8.49A	0.02U	0.89A	9.31A	0.02U	-0.01I

110.2	7.05A	0.02U	0.67A	8.64A	0.02U	-0.01I
100.7	5.74A	0.02U	0.48A	7.60A	0.02U	-0.01I
97.2	5.29A	0.02U	0.42A	7.30A	0.02U	-0.01I
82.6	3.63A	0.01U	0.23A	5.86A	0.02U	0.00B
67.9	2.32A	0.01U	0.11A	4.44A	0.01U	0.00B
53.2	1.36A	0.00U	0.05A	3.15A	0.01U	0.00B
47.2	1.05A	0.00U	0.03A	2.74A	0.01U	0.00B
35.4	0.57A	0.00U	0.01A	1.94A	0.01U	0.00B
23.6	0.24A	0.00U	0.00A	1.22A	0.00U	0.00B
11.8	0.06A	0.00U	0.00A	0.58A	0.00U	0.00B
0.0	0.00A	0.00A	0.00A	0.00A	0.00A	0.00A

MAXIMUM ANTENNA AND REFLECTOR ROTATIONS

ELEV ft	ANT AZI deg	ANT TYPE	.... BEAM DEFLECTIONS (deg) .... ROLL	YAW	PITCH	TOTAL
88.0	0.0	STD+R	6.291 D	0.305 H	6.395 A	6.395 A
88.0	180.0	STD+R	-6.291 D	0.305 H	-6.395 A	6.395 A

MAXIMUM POLE FORCES CALCULATED(w.r.t. to wind direction)

MAST ELEV ft	TOTAL AXIAL kip	SHEAR.w.r.t.WIND.DIR ALONG kip	ACROSS kip	MOMENT.w.r.t.WIND.DIR ALONG ft-kip	ACROSS ft-kip	TORSION ft-kip
129.0	-0.01 L	0.00 Q	0.00 U	0.01 E	0.00 U	0.00 U
119.6	16.32 AD	17.62 Q	0.00 U	-82.69 B	-0.01 C	-0.02 C
	16.32 Y	17.62 T	0.00 N	-82.69 H	-0.01 C	-0.02 C
110.2	28.18 Y	28.54 T	0.00 N	-281.89 A	0.04 K	-0.08 C
	28.18 Y	28.54 O	0.01 H	-281.89 A	0.05 K	-0.08 C
100.7	29.46 Y	29.24 K	0.01 H	-571.05 A	-0.13 C	-0.16 C
	29.46 AG	29.39 W	0.10 W	-571.09 G	0.21 W	-0.16 C
97.2	40.92 AG	40.01 W	0.10 W	-710.39 L	0.23 K	-0.20 C
	40.92 AJ	39.95 I	0.10 U	-710.41 H	0.20 U	-0.20 C
82.6	45.98 AJ	44.05 A	0.24 U	-1356.07 A	-2.00 U	-1.53 B
	45.98 AA	44.05 M	0.23 U	-1356.08 A	-2.00 U	-1.53 B
67.9	49.56 AA	45.66 M	0.23 U	-2045.31 A	-5.34 U	-1.59 B
	49.56 AA	45.65 G	0.23 U	-2045.31 A	-5.34 U	-1.59 B
53.2	53.72 AA	47.56 G	0.23 U	-2755.59 A	-8.71 U	-1.64 B
	53.72 AA	47.56 M	0.24 U	-2755.59 A	-8.72 U	-1.64 B
47.2	56.91 AA	48.37 M	0.24 U	-3052.91 A	-10.13 U	-1.66 B
	56.91 AA	48.38 A	0.22 U	-3052.90 A	-10.15 U	-1.66 B
35.4	61.15 AA	50.08 A	0.22 U	-3651.04 A	-12.80 U	-1.69 B
	61.15 AA	50.06 A	0.22 U	-3651.03 A	-12.79 U	-1.69 B
23.6	65.79 AA	51.90 A	0.22 U	-4265.62 A	-15.43 U	-1.71 B

	65.79 AA	51.91 A	0.23 U	-4265.62 A	-15.42 U	-1.71 B
	70.74 AA	53.74 A	0.23 U	-4897.28 A	-18.11 U	-1.72 B
11.8						
	70.74 AA	53.74 A	0.23 U	-4897.28 A	-18.11 U	-1.72 B
	75.91 AA	55.66 A	0.23 U	-5546.12 A	-20.82 U	-1.73 B
base reaction	75.91 AA	-55.66 A	-0.23 U	5546.12 A	20.82 U	1.73 B

COMPLIANCE WITH 4.8.2 & 4.5.4

ELEV ft	AXIAL	BENDING	SHEAR + TORSIONAL	TOTAL	SATISFIED	D/t(w/t)	MAX ALLOWED
129.00							
	0.00L	0.00E	0.00Q	0.00E	YES	8.64A	45.2
	0.02AD	0.24B	0.04Q	0.25B	YES	10.98A	45.2
119.58							
	0.02Y	0.24H	0.04T	0.25H	YES	10.98A	45.2
	0.02Y	0.56A	0.05T	0.58A	YES	13.32A	45.2
110.17							
	0.02Y	0.56A	0.05O	0.58A	YES	13.32A	45.2
	0.02Y	0.84A	0.04K	0.86A	YES	15.65A	45.2
100.75							
	0.01AG	0.57G	0.03W	0.58K	YES	10.32A	45.2
	0.02AG	0.64L	0.04W	0.65L	YES	10.90A	45.2
97.25							
	0.02AJ	0.67H	0.04I	0.68H	YES	10.66A	45.2
	0.02AJ	0.86A	0.03A	0.87A	YES	13.09A	45.2
82.58							
	0.02AA	0.86A	0.03M	0.87A	YES	13.09A	45.2
	0.02AA	0.94A	0.03M	0.95A	YES	15.52A	45.2
67.92							
	0.02AA	0.94A	0.03G	0.95A	YES	15.52A	45.2
	0.02AA	0.99A	0.03G	1.00A	YES	17.95A	45.2
53.25							
	0.01AA	0.83A	0.02M	0.83A	YES	15.33A	45.2
	0.01AA	0.83A	0.02M	0.83A	YES	16.18A	45.2
47.25							
	0.01AA	0.85A	0.02A	0.86A	YES	15.88A	45.2
	0.01AA	0.86A	0.02A	0.87A	YES	17.56A	45.2
35.44							
	0.01AA	0.86A	0.02A	0.87A	YES	17.56A	45.2
	0.01AA	0.86A	0.02A	0.87A	YES	19.23A	45.2
23.62							
	0.01AA	0.86A	0.02A	0.87A	YES	19.23A	45.2
	0.01AA	0.86A	0.02A	0.87A	YES	20.91A	45.2
11.81							
	0.01AA	0.86A	0.02A	0.87A	YES	20.91A	45.2
	0.01AA	0.87A	0.02A	0.87A	YES	22.58A	45.2
0.00							

MAXIMUM LOADS ONTO FOUNDATION(w.r.t. wind direction)

DOWN	SHEAR.w.r.t.WIND.DIR ALONG	ACROSS	MOMENT.w.r.t.WIND.DIR ALONG	ACROSS	TORSION
kip	kip	kip	ft-kip	ft-kip	ft-kip
75.91 AA	55.66 A	0.23 U	-5546.12 A	-20.82 U	-1.73 B

130' Monopole / Morris Hill Road, KY

****
********** Service Load Condition **********
****

* Only 1 condition(s) shown in full
* Some concentrated wind loads may have been derived from full-scale wind tunnel testing

LOADING CONDITION A

60 mph wind with no ice. Wind Azimuth: 0♦

LOADS ON POLE

LOAD TYPE	ELEV ft	APPLY..LOAD..AT RADIUS ft	AZI	LOAD AZI	.....FORCES..... HORIZ kip	DOWN kip	.....MOMENTS..... VERTICAL ft-kip	TORSNAL ft-kip
C	125.000	0.00	0.0	0.0	0.0131	0.0140	0.0000	0.0000
C	124.000	0.00	0.0	0.0	0.0000	1.7186	0.0000	0.0000
C	124.000	0.00	0.0	0.0	4.9844	6.0000	0.0000	0.0000
C	115.000	0.00	0.0	0.0	0.0132	0.0140	0.0000	0.0000
C	112.000	0.00	0.0	0.0	0.0000	1.5523	0.0000	0.0000
C	112.000	0.00	0.0	0.0	3.0073	4.0000	0.0000	0.0000
C	105.000	0.00	0.0	0.0	0.0132	0.0140	0.0000	0.0000
C	100.000	0.00	0.0	0.0	0.0000	1.3860	0.0000	0.0000
C	100.000	0.00	0.0	0.0	3.0205	4.0000	0.0000	0.0000
C	95.000	0.00	0.0	0.0	0.0133	0.0140	0.0000	0.0000
C	88.000	0.00	0.0	0.0	0.0000	0.1830	0.0000	0.0000
C	85.000	0.00	0.0	0.0	0.0133	0.0140	0.0000	0.0000
C	75.000	0.00	0.0	0.0	0.0133	0.0140	0.0000	0.0000
C	65.000	0.00	0.0	0.0	0.0132	0.0140	0.0000	0.0000
C	55.000	0.00	0.0	0.0	0.0131	0.0140	0.0000	0.0000
C	45.000	0.00	0.0	0.0	0.0129	0.0140	0.0000	0.0000
C	35.000	0.00	0.0	0.0	0.0126	0.0140	0.0000	0.0000
C	25.000	0.00	0.0	0.0	0.0121	0.0140	0.0000	0.0000
C	15.000	0.00	0.0	0.0	0.0113	0.0140	0.0000	0.0000
D	129.000	0.00	180.0	0.0	0.0150	0.0417	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0215	0.0594	0.0000	0.0000
D	100.750	0.00	180.0	0.0	0.0237	0.1618	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0237	0.1618	0.0000	0.0000
D	97.250	0.00	180.0	0.0	0.0264	0.1092	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.0264	0.1092	0.0000	0.0000
D	82.583	0.00	180.0	0.0	0.0314	0.1298	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.0314	0.1298	0.0000	0.0000
D	67.917	0.00	180.0	0.0	0.0362	0.1505	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.0362	0.1505	0.0000	0.0000
D	53.250	0.00	180.0	0.0	0.0393	0.3546	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.0393	0.3546	0.0000	0.0000
D	47.250	0.00	180.0	0.0	0.0410	0.2042	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.0410	0.2042	0.0000	0.0000
D	35.438	0.00	180.0	0.0	0.0434	0.2237	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.0434	0.2237	0.0000	0.0000
D	23.625	0.00	180.0	0.0	0.0442	0.2432	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.0442	0.2432	0.0000	0.0000
D	11.812	0.00	180.0	0.0	0.0474	0.2626	0.0000	0.0000
D	0.000	0.00	180.0	0.0	0.0474	0.2626	0.0000	0.0000

ANTENNA LOADING

.....ANTENNA..... TYPE	ELEV ft	AZI	ATTACHMENT RAD ft	AZI	.....ANTENNA FORCES..... AXIAL kip	SHEAR kip	GRAVITY kip	TORSION ft-kip
STD+R	88.0	180.0	1.9	180.0	-0.35	0.00	0.20	0.00
STD+R	88.0	0.0	1.9	0.0	0.44	0.00	0.20	0.00

MAXIMUM POLE DEFORMATIONS CALCULATED(w.r.t. wind direction)

MAST ELEV ft	.....DEFLECTIONS (ft)..... HORIZONTAL ..... ALONG	ACROSS	DOWN	.....ROTATIONS (deg)..... TILT ..... ALONG	ACROSS	TWIST
129.0	2.98A	-0.01L	0.10G	2.78A	0.00L	0.00E
119.6	2.52A	-0.01L	0.08G	2.74A	0.00L	0.00E
110.2	2.09A	0.00L	0.06G	2.54A	0.00L	0.00E
100.7	1.69A	0.00L	0.04G	2.23A	0.00L	0.00E
97.2	1.56A	0.00L	0.04G	2.14A	0.00L	0.00E
82.6	1.07A	0.00L	0.02G	1.72A	0.00L	0.00F
67.9	0.68A	0.00L	0.01G	1.30A	0.00L	0.00F
53.2	0.40A	0.00L	0.00G	0.92A	0.00L	0.00F
47.2	0.31A	0.00L	0.00G	0.80A	0.00L	0.00F
35.4	0.17A	0.00L	0.00G	0.57A	0.00L	0.00F
23.6	0.07A	0.00L	0.00G	0.36A	0.00L	0.00F
11.8	0.02A	0.00L	0.00G	0.17A	0.00L	0.00F
0.0	0.00A	0.00A	0.00A	0.00A	0.00A	0.00A

MAXIMUM ANTENNA AND REFLECTOR ROTATIONS

ELEV ft	ANT AZI deg	ANT TYPE	.... BEAM DEFLECTIONS (deg) ..... ROLL	YAW	PITCH	TOTAL
88.0	0.0	STD+R	1.843 D	0.025 B	1.876 A	1.876 A
88.0	180.0	STD+R	-1.843 D	0.025 B	-1.876 A	1.876 A

MAXIMUM POLE FORCES CALCULATED(w.r.t. to wind direction)

MAST ELEV ft	TOTAL AXIAL kip	SHEAR.w.r.t.WIND.DIR ALONG kip	ACROSS kip	MOMENT.w.r.t.WIND.DIR ALONG ft-kip	ACROSS ft-kip	TORSION ft-kip
129.0	0.00 C	0.00 E	0.00 H	0.00 E	0.00 C	0.00 I
119.6	8.15 C	5.15 E	0.00 H	-24.47 G	0.00 C	0.00 C
	8.15 G	5.15 C	0.00 H	-24.47 G	0.00 C	0.00 C
110.2	14.20 G	8.34 C	0.00 H	-83.32 G	-0.01 I	-0.01 C
	14.20 G	8.34 C	0.00 H	-83.32 G	-0.01 I	-0.01 C
100.7	14.74 G	8.55 C	0.00 H	-168.35 G	0.02 H	-0.01 C
	14.74 G	8.57 E	-0.02 H	-168.37 H	-0.03 K	-0.01 C
97.2	20.70 G	11.68 E	-0.02 H	-209.26 F	0.06 H	-0.02 C
	20.70 G	11.68 K	-0.02 L	-209.27 B	0.07 E	-0.02 C
82.6	22.90 G	12.87 A	0.05 C	-398.05 A	0.53 L	0.37 F
	22.90 G	12.87 A	0.05 B	-398.05 A	0.53 L	0.37 F
67.9	24.82 G	13.35 A	0.05 B	-599.35 A	1.20 L	0.37 F
	24.82 G	13.34 A	-0.05 E	-599.35 A	1.20 L	0.37 F
	27.05 G	13.90 A	-0.05 E	-806.39 A	1.88 L	0.37 F

53.2						
	27.06 G	13.90 A	-0.05 E	-806.39 A	1.88 L	0.37 F
	29.18 G	14.13 A	-0.05 E	-892.99 A	2.17 L	0.37 F
47.2						
	29.18 G	14.14 A	-0.05 E	-892.99 A	2.15 L	0.37 F
	31.61 G	14.63 A	-0.05 E	-1067.19 A	2.69 L	0.37 F
35.4						
	31.61 G	14.63 A	-0.05 E	-1067.20 A	2.69 L	0.37 F
	34.28 G	15.17 A	-0.05 E	-1246.37 A	3.25 L	0.37 F
23.6						
	34.28 G	15.17 A	-0.05 L	-1246.37 A	3.25 L	0.37 F
	37.17 G	15.70 A	-0.05 L	-1430.60 A	3.83 L	0.37 F
11.8						
	37.17 G	15.70 A	-0.05 L	-1430.60 A	3.83 L	0.37 F
	40.27 G	16.26 A	-0.05 L	-1620.04 A	4.40 L	0.37 F
base reaction	40.27 G	-16.26 A	0.05 L	1620.04 A	-4.40 L	-0.37 F

COMPLIANCE WITH 4.8.2 & 4.5.4

ELEV ft	AXIAL	BENDING	SHEAR + TORSIONAL	TOTAL	SATISFIED	D/t(w/t)	MAX ALLOWED
129.00							
	0.00C	0.00E	0.00E	0.00E	YES	8.64A	45.2
	0.01C	0.07G	0.01E	0.08G	YES	10.98A	45.2
119.58							
	0.01G	0.07G	0.01C	0.08G	YES	10.98A	45.2
	0.01G	0.17G	0.01C	0.18G	YES	13.32A	45.2
110.17							
	0.01G	0.17G	0.01C	0.18G	YES	13.32A	45.2
	0.01G	0.25G	0.01C	0.26G	YES	15.65A	45.2
100.75							
	0.01G	0.17H	0.01E	0.18H	YES	10.32A	45.2
	0.01G	0.19F	0.01E	0.20F	YES	10.90A	45.2
97.25							
	0.01G	0.20B	0.01K	0.21B	YES	10.66A	45.2
	0.01G	0.25A	0.01A	0.26A	YES	13.09A	45.2
82.58							
	0.01G	0.25A	0.01A	0.26A	YES	13.09A	45.2
	0.01G	0.28A	0.01A	0.28A	YES	15.52A	45.2
67.92							
	0.01G	0.28A	0.01A	0.28A	YES	15.52A	45.2
	0.01G	0.29A	0.01A	0.30A	YES	17.95A	45.2
53.25							
	0.01G	0.24A	0.01A	0.25A	YES	15.33A	45.2
	0.01G	0.24A	0.01A	0.25A	YES	16.18A	45.2
47.25							
	0.01G	0.25A	0.01A	0.26A	YES	15.88A	45.2
	0.01G	0.25A	0.01A	0.26A	YES	17.56A	45.2
35.44							
	0.01G	0.25A	0.01A	0.26A	YES	17.56A	45.2
	0.01G	0.25A	0.01A	0.26A	YES	19.23A	45.2
23.62							
	0.01G	0.25A	0.01A	0.26A	YES	19.23A	45.2
	0.01G	0.25A	0.01A	0.26A	YES	20.91A	45.2
11.81							
	0.01G	0.25A	0.01A	0.26A	YES	20.91A	45.2
	0.01G	0.25A	0.01A	0.26A	YES	22.58A	45.2
0.00							

MAXIMUM LOADS ONTO FOUNDATION(w.r.t. wind direction)

DOWN	SHEAR.w.r.t.WIND.DIR		MOMENT.w.r.t.WIND.DIR		TORSION
	ALONG	ACROSS	ALONG	ACROSS	
kip	kip	kip	ft-kip	ft-kip	ft-kip
40.27	16.26	-0.05	-1620.04	4.40	0.37
G	A	L	A	L	F

==========

Sabre Industries
INNOVATION DELIVERED

SO#: 21-1629-JAC-R1
Site Name: Morris Hill Road, KY
Date: 9/11/2020

Round Base Plate and Anchor Rods, per ANSI/TIA 222-H

Pole Data

Diameter:	58.160	in (flat to flat)
Thickness:	0.4375	in
Yield (Fy):	65	ksi
# of Sides:	18	"0" IF Round
Strength (Fu):	80	ksi

Reactions

Moment, Mu:	5546.12	ft-kips
Axial, Pu:	48.33	kips
Shear, Vu:	55.66	kips

Anchor Rod Data

Quantity:	18	
Diameter:	2.25	in
Rod Material:	A615	
Strength (Fu):	100	ksi
Yield (Fy):	75	ksi
BC Diam. (in):	65	BC Override:

Anchor Rod Results

(per 4.9.9)

Maximum Put:	225.52 Kips
Φt*Rnt:	243.75 Kips
Vu:	3.09 Kips
Φv*Rnv:	149.10 Kips
Tension Interaction Ratio:	0.86
Maximum Puc:	230.22 Kips
Φc*Rnc:	243.75 Kips
Vu:	3.09 Kips
Φc*Rnvc:	73.13 Kips
Compression Interaction Ratio:	0.95
Maximum Interaction Ratio:	**94.6%** Pass

Plate Data

Diameter (in):	70.75	Dia. Override:
Thickness:	2.25	in
Yield (Fy):	50	ksi
Eff Width/Rod:	10.26	in
Drain Hole:	2.625	in. diameter
Drain Location:	27	in. center of pole to center of drain hole
Center Hole:	46	in. diameter

Base Plate Results

Base Plate (Mu/Z):	38.6 ksi	
Allowable Φ*Fy:	45.0 ksi	(per AISC)
Base Plate Interaction Ratio:	**85.9%** Pass	

MAT FOUNDATION DESIGN BY SABRE INDUSTRIES

130' Monopole UNITI TOWERS/CS&L Morris Hill Road, KY (21-1629-JAC-R1) 09/11/20 DJH

Overall Loads:			
Factored Moment (ft-kips)	5546.12		
Factored Axial (kips)	48.33		
Factored Shear (kips)	55.66		
Bearing Design Strength (ksf)	22.5	Max. Net Bearing Press. (ksf)	6.29
Water Table Below Grade (ft)	999		
Width of Mat (ft)	26.5	Allowable Bearing Pressure (ksf)	15.00
Thickness of Mat (ft)	2	Safety Factor	2.00
Depth to Bottom of Slab (ft)	6	Ultimate Bearing Pressure (ksf)	30.00
Quantity of Bolts in Bolt Circle	18	Bearing Φs	0.75
Bolt Circle Diameter (in)	65		
Effective Anchor Bolt Embedment (in)	66.5		
Diameter of Pier (ft)	8	Minimum Pier Diameter (ft)	8.00
Ht. of Pier Above Ground (ft)	0.5	Equivalent Square b (ft)	7.09
Ht. of Pier Below Ground (ft)	4	Square Pier? (Y/N)	N
Quantity of Bars in Mat	31		
Bar Diameter in Mat (in)	1.27		
Area of Bars in Mat (in^2)	39.27		
Spacing of Bars in Mat (in)	10.36	Recommended Spacing (in)	5 to 12
Quantity of Bars Pier	46		
Bar Diameter in Pier (in)	1.27		
Tie Bar Diameter in Pier (in)	0.625		
Spacing of Ties (in)	4		
Area of Bars in Pier (in^2)	58.27	Minimum Pier A_s (in^2)	36.19
Spacing of Bars in Pier (in)	5.97	Recommended Spacing (in)	5 to 12
f'c (ksi)	4.5		
fy (ksi)	60		
Unit Wt. of Soil (kcf)	0.11		
Unit Wt. of Concrete (kcf)	0.15		
Volume of Concrete (yd^3)	60.40		
Two-Way Shear Action:			
Average d (in)	19.73		
ϕv_c (ksi)	0.195	v_u (ksi)	0.101
$\phi v_c = \phi(2 + 4/\beta_c)f'_c{}^{1/2}$	0.302		
$\phi v_c = \phi(\alpha_s d/b_o+2)f'_c{}^{1/2}$	0.195	J (in^3)	1.528E+07
$\phi v_c = \phi 4 f'_c{}^{1/2}$	0.201	c + d (in)	104.81
Shear perimeter, b_o (in)	419.23	$0.40M_{sc}$ (ft-kips)	2318.6
β_c	1		
One-Way Shear:			
ϕV_c (kips)	631.3	V_u (kips)	377.3
Stability:			
Overturning Design Strength (ft-k)	6818.1	Total Applied M (ft-k)	5907.9

Pier-Slab Transfer by Flexure:

b_{slab} (ft)	14.00		
ϕM_n (ft-kips)	3503.1	$0.60M_{sc}$ (ft-kips)	3478.0

Pier Design:

ϕV_n (kips)	1274.5	V_u (kips)	55.7
$\phi V_c=\phi 2(1+N_u/(2000A_g))f'_c{}^{1/2}b_wd$	744.4		
V_s (kips)	706.9	*** V_s max = $4\ f'_c{}^{1/2}b_wd$ (kips)	1978.3
Maximum Spacing (in)	7.62	(Only if Shear Ties are Required)	
Actual Hook Development (in)	18.46	Req'd Hook Development l_{dh} (in) - Tension	15.90
		Req'd Hook Development l_{dc} (in) - Compression	17.15

Flexure in Slab:

ϕM_n (ft-kips)	3315.4	M_u (ft-kips)	3020.7
a (in)	1.94		
Steel Ratio	0.00626		
β_1	0.825		
Maximum Steel Ratio (ρ_t)	0.0197		
Minimum Steel Ratio	0.0018		
Rebar Development in Pad (in)	108.00	Required Development in Pad (in)	34.08

Condition	1 is OK, 0 Fails
Maximum Soil Bearing Pressure	1
Pier Area of Steel	1
Pier Shear	1
Interaction Diagram	1
Two-Way Shear Action	1
One-Way Shear Action	1
Overturning	1
Flexure	1
Steel Ratio	1
Length of Development in Pad	1
Hook Development	1
Anchor Bolt Pullout	1
Anchor Bolt Punching Shear	1

LPile for Windows, Version 2019-11.004

Analysis of Individual Piles and Drilled Shafts
Subjected to Lateral Loading Using the p-y Method

This copy of LPile is being used by:

Amy Herbst
Sabre Towers and Poles

Serial Number of Security Device: 227886682

This copy of LPile is licensed for exclusive use by:

Sabre Communications Corporation

Use of this program by any entity other than Sabre Communications Corporation
is a violation of the software license agreement.

Files Used for Analysis

Path to file locations:
\Program Files (x86)\Ensoft\Lpile2019\files\

Name of input data file:
21-1629-JAC-R1.lp11d

Name of output report file:
21-1629-JAC-R1.lp11o

Name of plot output file:
21-1629-JAC-R1.lp11p

Name of runtime message file:
21-1629-JAC-R1.lp11r

Date and Time of Analysis

Date: September 11, 2020 Time: 16:36:51

Problem Title

Site : Morris Hill Road, KY

Tower : 130' Monopole

Prepared for : UNITI TOWERS/CS&L

Job Number : 21-1629-JAC-R1

Engineer : DJH

Program Options and Settings

Computational Options:
- Conventional Analysis

Engineering Units Used for Data Input and Computations:
- US Customary System Units (pounds, feet, inches)

Analysis Control Options:

- Maximum number of iterations allowed = 999
- Deflection tolerance for convergence = 1.0000E-05 in
- Maximum allowable deflection = 100.0000 in
- Number of pile increments = 100

Loading Type and Number of Cycles of Loading:
- Static loading specified

- Use of p-y modification factors for p-y curves not selected
- Analysis uses layering correction (Method of Georgiadis)
- No distributed lateral loads are entered
- Loading by lateral soil movements acting on pile not selected
- Input of shear resistance at the pile tip not selected
- Input of moment resistance at the pile tip not selected
- Input of side resistance moment along pile not selected
- Computation of pile-head foundation stiffness matrix not selected
- Push-over analysis of pile not selected
- Buckling analysis of pile not selected

Output Options:
- Output files use decimal points to denote decimal symbols.
- Report only summary tables of pile-head deflection, maximum bending moment, and maximum shear force in output report file.
- No p-y curves to be computed and reported for user-specified depths
- Print using wide report formats

Pile Structural Properties and Geometry

Number of pile sections defined = 1
Total length of pile = 20.500 ft
Depth of ground surface below top of pile = 0.5000 ft

Pile diameters used for p-y curve computations are defined using 2 points.

p-y curves are computed using pile diameter values interpolated with depth over the length of the pile. A summary of values of pile diameter vs. depth follows.

Point No.	Depth Below Pile Head feet	Pile Diameter inches
1	0.000	96.0000
2	20.500	96.0000

Input Structural Properties for Pile Sections:

Pile Section No. 1:

Section 1 is a round drilled shaft, bored pile, or CIDH pile
Length of section = 20.500000 ft
Shaft Diameter = 96.000000 in
Shear capacity of section = 0.0000 lbs

Ground Slope and Pile Batter Angles

Ground Slope Angle = 0.000 degrees
= 0.000 radians

Pile Batter Angle = 0.000 degrees
= 0.000 radians

Soil and Rock Layering Information

The soil profile is modelled using 4 layers

Layer 1 is soft clay, p-y criteria by Matlock, 1970

Distance from top of pile to top of layer = 0.500000 ft
Distance from top of pile to bottom of layer = 1.000000 ft
Effective unit weight at top of layer = 105.000000 pcf
Effective unit weight at bottom of layer = 105.000000 pcf

```
   Undrained cohesion at top of layer                =    14.400000 psf
   Undrained cohesion at bottom of layer             =    14.400000 psf
   Epsilon-50 at top of layer                        =     0.100000
   Epsilon-50 at bottom of layer                     =     0.100000


Layer 2 is stiff clay without free water

   Distance from top of pile to top of layer         =     1.000000 ft
   Distance from top of pile to bottom of layer      =     4.000000 ft
   Effective unit weight at top of layer             =   110.000000 pcf
   Effective unit weight at bottom of layer          =   110.000000 pcf
   Undrained cohesion at top of layer                =        1500. psf
   Undrained cohesion at bottom of layer             =        1500. psf
   Epsilon-50 at top of layer                        =     0.007000
   Epsilon-50 at bottom of layer                     =     0.007000


Layer 3 is sand, p-y criteria by Reese et al., 1974

   Distance from top of pile to top of layer         =     4.000000 ft
   Distance from top of pile to bottom of layer      =     6.000000 ft
   Effective unit weight at top of layer             =   130.000000 pcf
   Effective unit weight at bottom of layer          =   130.000000 pcf
   Friction angle at top of layer                    =    40.000000 deg.
   Friction angle at bottom of layer                 =    40.000000 deg.
   Subgrade k at top of layer                        =   225.000000 pci
   Subgrade k at bottom of layer                     =   225.000000 pci


Layer 4 is stiff clay without free water

   Distance from top of pile to top of layer         =     6.000000 ft
   Distance from top of pile to bottom of layer      =    26.500000 ft
   Effective unit weight at top of layer             =   140.000000 pcf
   Effective unit weight at bottom of layer          =   140.000000 pcf
   Undrained cohesion at top of layer                =        8000. psf
   Undrained cohesion at bottom of layer             =        8000. psf
   Epsilon-50 at top of layer                        =     0.004000
   Epsilon-50 at bottom of layer                     =     0.004000


 (Depth of the lowest soil layer extends 6.000 ft below the pile tip)


**** Warning - Possible Input Data Error ****

Values entered for effective unit weights of soil were outside the limits of
20 pcf to 140 pcf.

The maximum input value, in layer   4, for effective unit weight = 140.00 pcf

This data may be erroneous. Please check your data.
```

Summary of Input Soil Properties

Layer Num.	Soil Type Name (p-y Curve Type)	Layer Depth ft	Effective Unit Wt. pcf	Undrained Cohesion psf	Angle of Friction deg.	E50 or krm	kpy pci
1	Soft	0.5000	105.0000	14.4000	--	0.10000	--
	Clay	1.0000	105.0000	14.4000	--	0.10000	--
2	Stiff Clay	1.0000	110.0000	1500.	--	0.00700	--
	w/o Free Water	4.0000	110.0000	1500.	--	0.00700	--
3	Sand	4.0000	130.0000	--	40.0000	--	225.0000
	(Reese, et al.)	6.0000	130.0000	--	40.0000	--	225.0000
4	Stiff Clay	6.0000	140.0000	8000.	--	0.00400	--
	w/o Free Water	26.5000	140.0000	8000.	--	0.00400	--

Static Loading Type

Static loading criteria were used when computing p-y curves for all analyses.

Pile-head Loading and Pile-head Fixity Conditions

Number of loads specified = 2

Load Analysis No.	Load Type	Condition 1	Condition 2	Axial Thrust Force, lbs	Compute Top y vs. Pile Length	Run
1	1	V = 74213. lbs	M = 88737920. in-lbs	64440.	No	Yes
2	1	V = 16260. lbs	M = 19440480. in-lbs	40270.	No	Yes

V = shear force applied normal to pile axis
M = bending moment applied to pile head
y = lateral deflection normal to pile axis
S = pile slope relative to original pile batter angle
R = rotational stiffness applied to pile head
Values of top y vs. pile lengths can be computed only for load types with specified shear loading (Load Types 1, 2, and 3).
Thrust force is assumed to be acting axially for all pile batter angles.

Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

Axial thrust force values were determined from pile-head loading conditions

Number of Pile Sections Analyzed = 1

Pile Section No. 1:

Dimensions and Properties of Drilled Shaft (Bored Pile):

Length of Section	=	20.500000 ft
Shaft Diameter	=	96.000000 in
Concrete Cover Thickness (to edge of long. rebar)	=	3.625000 in
Number of Reinforcing Bars	=	46 bars
Yield Stress of Reinforcing Bars	=	60000. psi
Modulus of Elasticity of Reinforcing Bars	=	29000000. psi
Gross Area of Shaft	=	7238. sq. in.
Total Area of Reinforcing Steel	=	58.271360 sq. in.
Area Ratio of Steel Reinforcement	=	0.81 percent
Edge-to-Edge Bar Spacing	=	4.699846 in
Maximum Concrete Aggregate Size	=	0.750000 in
Ratio of Bar Spacing to Aggregate Size	=	6.27
Offset of Center of Rebar Cage from Center of Pile	=	0.0000 in

Axial Structural Capacities:

Nom. Axial Structural Capacity = 0.85 Fc Ac + Fy As	=	30959.621 kips
Tensile Load for Cracking of Concrete	=	-3356.078 kips
Nominal Axial Tensile Capacity	=	-3496.282 kips

Reinforcing Bar Dimensions and Positions Used in Computations:

Bar Number	Bar Diam. inches	Bar Area sq. in.	X inches	Y inches
1	1.270000	1.266769	43.740000	0.00000
2	1.270000	1.266769	43.332603	5.955929
3	1.270000	1.266769	42.118002	11.800911
4	1.270000	1.266769	40.118822	17.426064
5	1.270000	1.266769	37.372305	22.726602
6	1.270000	1.266769	33.929612	27.603787
7	1.270000	1.266769	29.854874	31.966765
8	1.270000	1.266769	25.223997	35.734263
9	1.270000	1.266769	20.123245	38.836099
10	1.270000	1.266769	14.647634	41.214493

11	1.270000	1.266769	8.899166	42.825138
12	1.270000	1.266769	2.984923	43.638032
13	1.270000	1.266769	-2.984923	43.638032
14	1.270000	1.266769	-8.899166	42.825138
15	1.270000	1.266769	-14.647634	41.214493
16	1.270000	1.266769	-20.123245	38.836099
17	1.270000	1.266769	-25.223997	35.734263
18	1.270000	1.266769	-29.854874	31.966765
19	1.270000	1.266769	-33.929612	27.603787
20	1.270000	1.266769	-37.372305	22.726602
21	1.270000	1.266769	-40.118822	17.426064
22	1.270000	1.266769	-42.118002	11.800911
23	1.270000	1.266769	-43.332603	5.955929
24	1.270000	1.266769	-43.740000	0.00000
25	1.270000	1.266769	-43.332603	-5.955929
26	1.270000	1.266769	-42.118002	-11.800911
27	1.270000	1.266769	-40.118822	-17.426064
28	1.270000	1.266769	-37.372305	-22.726602
29	1.270000	1.266769	-33.929612	-27.603787
30	1.270000	1.266769	-29.854874	-31.966765
31	1.270000	1.266769	-25.223997	-35.734263
32	1.270000	1.266769	-20.123245	-38.836099
33	1.270000	1.266769	-14.647634	-41.214493
34	1.270000	1.266769	-8.899166	-42.825138
35	1.270000	1.266769	-2.984923	-43.638032
36	1.270000	1.266769	2.984923	-43.638032
37	1.270000	1.266769	8.899166	-42.825138
38	1.270000	1.266769	14.647634	-41.214493
39	1.270000	1.266769	20.123245	-38.836099
40	1.270000	1.266769	25.223997	-35.734263
41	1.270000	1.266769	29.854874	-31.966765
42	1.270000	1.266769	33.929612	-27.603787
43	1.270000	1.266769	37.372305	-22.726602
44	1.270000	1.266769	40.118822	-17.426064
45	1.270000	1.266769	42.118002	-11.800911
46	1.270000	1.266769	43.332603	-5.955929

NOTE: The positions of the above rebars were computed by LPile

Minimum spacing between any two bars not equal to zero = 4.700 inches
between bars 31 and 32.

Ratio of bar spacing to maximum aggregate size = 6.27

Concrete Properties:

Compressive Strength of Concrete	=	4500. psi
Modulus of Elasticity of Concrete	=	3823676. psi
Modulus of Rupture of Concrete	=	-503.115295 psi
Compression Strain at Peak Stress	=	0.002001
Tensile Strain at Fracture of Concrete	=	-0.0001152
Maximum Coarse Aggregate Size	=	0.750000 in

Number of Axial Thrust Force Values Determined from Pile-head Loadings = 2

Number	Axial Thrust Force kips
1	40.270
2	64.440

Summary of Results for Nominal Moment Capacity for Section 1

Moment values interpolated at maximum compressive strain = 0.003
or maximum developed moment if pile fails at smaller strains.

Load No.	Axial Thrust kips	Nominal Mom. Cap. in-kip	Max. Comp. Strain
1	40.270	142848.833	0.00300000
2	64.440	143704.606	0.00300000

Note that the values of moment capacity in the table above are not
factored by a strength reduction factor (phi-factor).

In ACI 318, the value of the strength reduction factor depends on whether
the transverse reinforcing steel bars are tied hoops (0.65) or spirals (0.70).

The above values should be multiplied by the appropriate strength reduction

factor to compute ultimate moment capacity according to ACI 318, Section 9.3.2.2 or the value required by the design standard being followed.

The following table presents factored moment capacities and corresponding bending stiffnesses computed for common resistance factor values used for reinforced concrete sections.

Axial Load No.	Resist. Factor for Moment	Nominal Moment Cap in-kips	Ult. (Fac) Ax. Thrust kips	Ult. (Fac) Moment Cap in-kips	Bend. Stiff. at Ult Mom kip-in^2
1	0.65	142849.	26.175500	92852.	3.3647E+09
2	0.65	143705.	41.886000	93408.	3.3872E+09
1	0.75	142849.	28.189000	107137.	3.2427E+09
2	0.75	143705.	45.108000	107778.	3.2649E+09
1	0.90	142849.	30.202500	128564.	2.1247E+09
2	0.90	143705.	48.330000	129334.	2.1419E+09

Layering Correction Equivalent Depths of Soil & Rock Layers

Layer No.	Top of Layer Below Pile Head ft	Equivalent Top Depth Below Grnd Surf ft	Same Layer Type As Layer Above	Layer is Rock or is Below Rock Layer	F0 Integral for Layer lbs	F1 Integral for Layer lbs
1	0.5000	0.00	N.A.	No	0.00	308.7215
2	1.0000	0.00857	No	No	308.7215	115158.
3	4.0000	4.1503	No	No	115466.	161593.
4	6.0000	1.4172	No	No	277060.	N.A.

Notes: The F0 integral of Layer n+1 equals the sum of the F0 and F1 integrals for Layer n. Layering correction equivalent depths are computed only for soil types with both shallow-depth and deep-depth expressions for peak lateral load transfer. These soil types are soft and stiff clays, non-liquefied sands, and cemented c-phi soil.

Summary of Pile-head Responses for Conventional Analyses

Definitions of Pile-head Loading Conditions:

Load Type 1: Load 1 = Shear, V, lbs, and Load 2 = Moment, M, in-lbs
Load Type 2: Load 1 = Shear, V, lbs, and Load 2 = Slope, S, radians
Load Type 3: Load 1 = Shear, V, lbs, and Load 2 = Rot. Stiffness, R, in-lbs/rad.
Load Type 4: Load 1 = Top Deflection, y, inches, and Load 2 = Moment, M, in-lbs
Load Type 5: Load 1 = Top Deflection, y, inches, and Load 2 = Slope, S, radians

Load Case No.	Load Type 1	Pile-head Load 1	Load Type 2	Pile-head Load 2	Axial Loading lbs	Pile-head Deflection inches	Pile-head Rotation radians	Max Shear in Pile lbs	Max Moment in Pile in-lbs
1	V, lb	74213.	M, in-lb	8.87E+07	64440.	3.8163	-0.02596	-875792.	9.11E+07
2	V, lb	16260.	M, in-lb	1.94E+07	40270.	0.02401	-2.26E-04	-190285.	1.99E+07

Maximum pile-head deflection = 3.8163071566 inches
Maximum pile-head rotation = -0.0259588499 radians = -1.487333 deg.

The analysis ended normally.

IBC 1807.3.2.1

Moment (ft·k)	5,546.12	
Shear (k)	55.66	
Caisson diameter (ft)	8	
Caisson height above ground (ft)	0.5	
Caisson height below ground (ft)	20	
Lateral soil pressure (lb/ft^2)	810.00	
Ground to application of force, h (ft)	100.14	
Applied lateral force, P (lb)	55,660	
Lateral soil bearing pressure, S_1 (lb/ft)	5,400.00	
Diameter, b (ft)	8	
A	3.01	$= (2.34P)/(S_1 b)$
Minimum depth of embedment, d (ft)	19.71	$= 0.5A[\,1 + (\,1 + (\,4.36h / A\,)\,)^{1/2}\,]$

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

PSC Home

KY Public Service Commission

Master Utility Search

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

Utility ID **Utility Name** **Address/City/Contact** **Utility Type** **Status**

Active

Search

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

View	4107600	Boomerang Wireless, LLC	Cellular	D	Hiawatha	IA
View	4105500	BullsEye Telecom, Inc.	Cellular	D	Southfield	MI
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	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	Cellular	A	Elizabethtown	KY

		General				
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-6142-OE

Issued Date: 05/26/2020

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 FA#15115959 (Morris Hill Rd)
Location:	Monticello, KY
Latitude:	36-48-34.53N NAD 83
Longitude:	84-50-49.57W
Heights:	1527 feet site elevation (SE) 142 feet above ground level (AGL) 1669 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:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 L Change 2.

This determination expires on 11/26/2021 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-6142-OE.

Signature Control No: 431702001-441042483 (DNE)
Chris Smith
Specialist

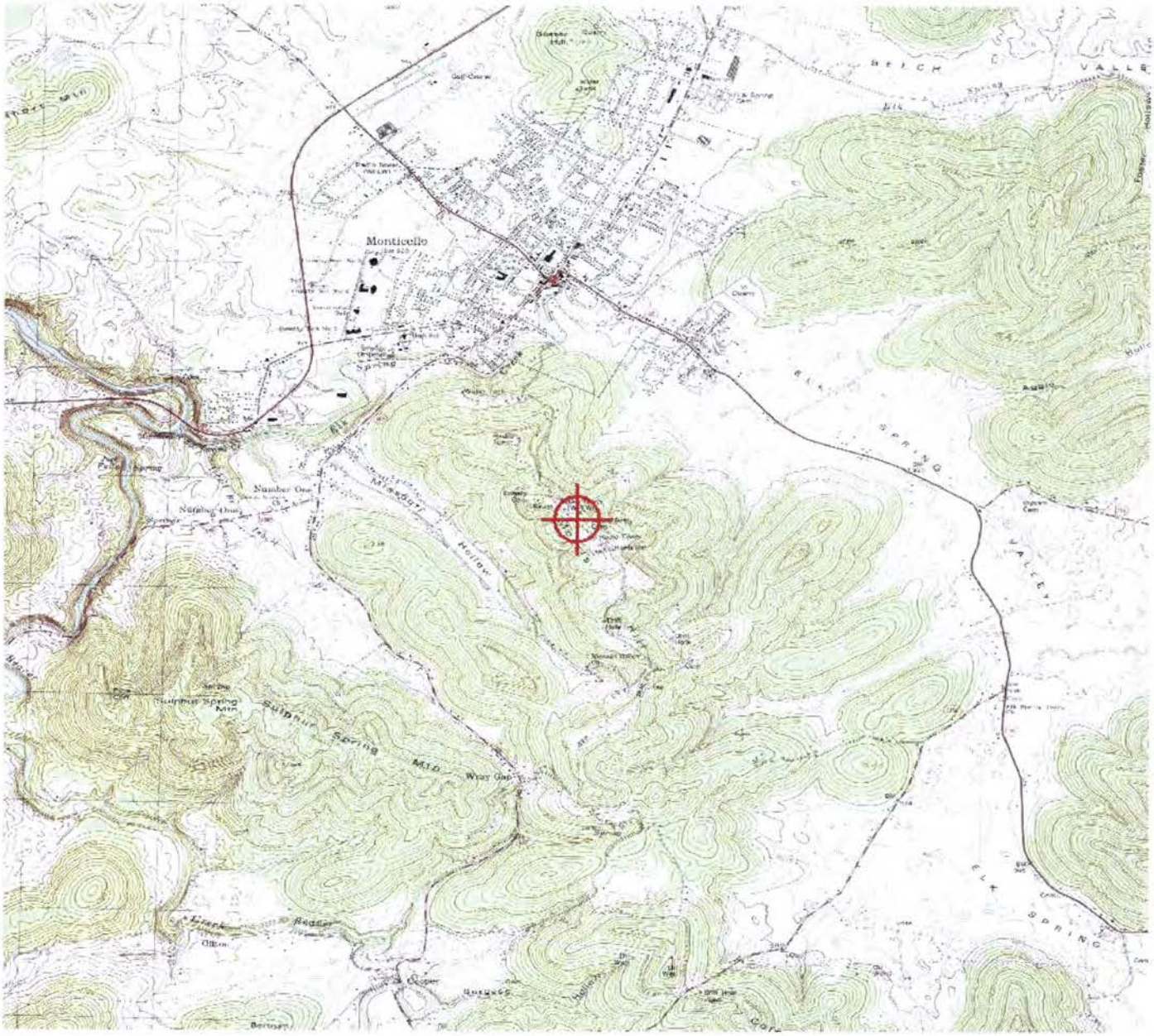
Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2020-ASO-6142-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-6142-OE



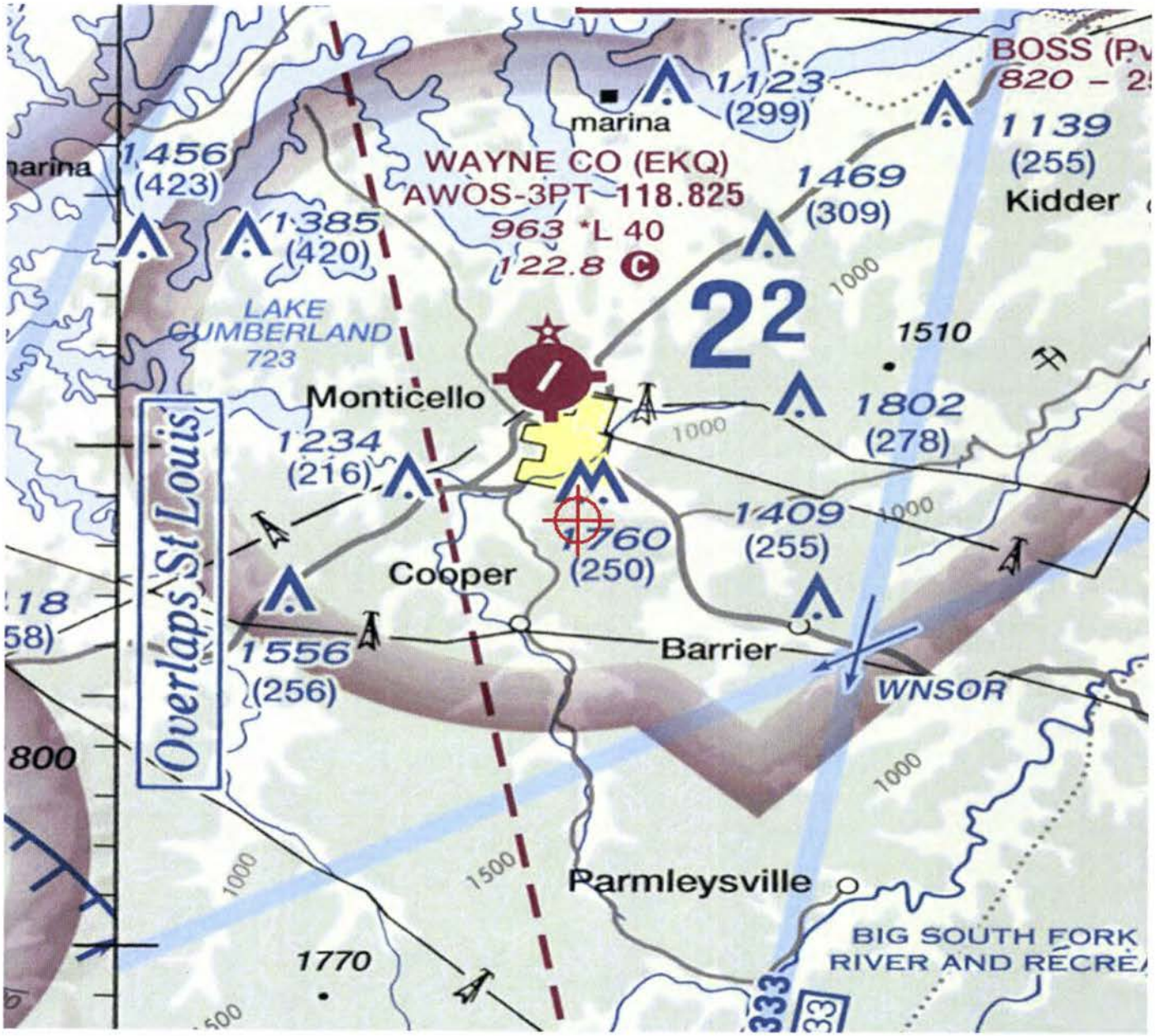

marina
1123
(299)
BOSS (Pv
820 – 2
1139
(255)
Kidder
1456
(423)
WAYNE CO (EKQ)
AWOS-3PT 118.825
963 *L 40
122.8 C
1469
(309)
1385
(420)
LAKE
CUMBERLAND
723
22
1000
1510
Monticello
1802
(278)
1234
(216)
1409
(255)
1760
(250)
Cooper
Barrier
1556
(256)
Overlaps St Louis
WNSOR
800
1500
Parmleysville
1770
BIG SOUTH FORK
RIVER AND RECRE

EXHIBIT F
KENTUCKY AIRPORT ZONING COMMISSION

KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

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

APPROVAL OF APPLICATION

August 13, 2020

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

SUBJECT: AS-WAYNE-EKQ-2020-098

STRUCTURE:	Antenna Tower
LOCATION:	Monticello, KY
COORDINATES:	36° 48' 34.53" N / 84° 50' 49.57" W
HEIGHT:	142' AGL/1669' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 142' AGL/1669' AMSL Antenna Tower near Monticello, KY 36° 48' 34.53" N / 84° 50' 49.57" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

Duel - Red & Medium Intensity White Obstruction Lighting Required

Randall S. Royer

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

Kentucky
UNBRIDLED SPIRIT

EXHIBIT G
GEOTECHNICAL REPORT

GEOTECHNICAL INVESTIGATION REPORT

July 31, 2020

Prepared For:

B+T Group

B+T GRP

Morris Hill Road
KYLEX2045
Proposed 130-Foot Monopole Tower
1519 Morris Hill Rd, Monticello (Wayne County), Kentucky 42633
Latitude N 36° 48' 34.5" Longitude W 84° 50' 49.6"

Delta Oaks Group Project GEO20-06721-08
Revision 0

Performed By:

Justin Brosseau, E.I.

Reviewed By:

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

COMMONWEALTH OF KENTUCKY
JOSEPH V. BORRELLI
30809
LICENSED PROFESSIONAL ENGINEER
7/31/20

INTRODUCTION

This geotechnical investigation report has been completed for the proposed 130-foot monopole tower located at 1519 Morris Hill Rd in Monticello (Wayne County), Kentucky. The purpose of this investigation was to provide engineering recommendations and subsurface condition data at the proposed tower location. A geotechnical engineering interpretation of the collected information was completed and utilized to suggest design parameters regarding the adequacy of the structure's proposed foundation capacity under various loading conditions. This report provides the scope of the geotechnical investigation; geologic material identification; results of the geotechnical laboratory testing; and design parameter recommendations for use in the design of the telecommunication facility's foundation and site development.

SITE CONDITION SUMMARY

The proposed tower and compound are located on a 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 December 2, 2019
- TIA Standard (TIA-222-G), dated August 2005

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of one mechanical soil test boring to the auger refusal depth of 5.5 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. Upon encountering auger refusal 5.0 feet of rock coring was conducted in accordance with ASTM D 2113. Soil and rock samples were transported to our laboratory and classified by a geotechnical engineer in accordance with ASTM D 2487. A detailed breakdown of the material encountered in our subsurface field investigation can be found in the boring log presented in the Appendix of this report.

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

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

Topsoil was encountered during the subsurface field investigation from the existing ground surface to a depth of 0.5 feet bgs.

SOIL

The residual soil encountered in the subsurface field investigation began at a depth of 0.5 feet bgs in the boring and consisted of clayey silt and sandy silt. The materials ranged of a very dense relative density and a stiff cohesion.

Auger advancement refusal was encountered during the subsurface field investigation at a depth of 5.5 feet bgs.

ROCK

Rock was encountered during the subsurface investigation at a depth of 5.5 feet bgs. The rock can be described as intensely fractured, moderately weathered, moderately hard sandstone.

SUBSURFACE WATER

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

FROST PENETRATION

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

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 40,000 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 – 0.5	TOPSOIL	105	0	0
	0.5 – 3.5	CL – ML	110	0	1,500
	3.5 – 5.5	ML	130	40	0
	5.5 – 10.5	SANDSTONE	140	0	10,000

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

SUBSURFACE STRENGTH PARAMETERS – SHALLOW FOUNDATION

Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-1	5.0 x 5.0	3.0	10,360
		Greater than 4.0	30,000
	10.0 x 10.0	3.0	9,810
		Greater than 4.0	30,000
	15.0 x 15.0	3.0	9,620
		Greater than 4.0	30,000
	20.0 x 20.0	3.0	9,530
		Greater than 4.0	30,000
	25.0 x 25.0	3.0	9,470
		Greater than 4.0	30,000

- 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	0.0	105	0	0	0.00	1.00	0.00
Bottom	0.5	105	0	0	52.50	1.00	26.25
Top	0.5	110	0	1500	52.50	1.00	1526.25
Bottom	2.5	110	0	1500	272.50	1.00	1636.25
Top	2.5	110	0	1500	272.50	1.00	3272.50
Bottom	3.5	110	0	1500	382.50	1.00	3382.50
Top	3.5	130	40	0	382.50	4.60	1759.08
Bottom	5.5	130	40	0	642.50	4.60	2954.80
Top	5.5	140	0	10000	642.50	1.00	20642.50
Bottom	10.0	140	0	10000	1272.50	1.00	21272.50

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 – 4.0	73,560	820	820
	4.0 – 6.0	79,810	270	200
	6.0 – 10.5	79,760	4,000	4,000

- 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	2.0	9,340	2.0	300
	3.0	10,120		
	4.0	15,000		225

- Delta Oaks Group recommends utilizing a slab on grade in conjunction with continuous perimeter footings that bear on residual soil or properly compacted structural fill placed in accordance with the recommendations provided in the *CONSTRUCTION* section of this report.
- The slab on grade should be properly reinforced to prevent concrete cracking and shrinkage.
- The foundation should bear a minimum of 2.0 feet bgs.
- A sliding friction factor of 0.30 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	0.0	105	0	0	0.00	1.00	0.00
Bottom	0.5	105	0	0	52.50	1.00	26.25
Top	0.5	110	0	1500	52.50	1.00	1526.25
Bottom	2.5	110	0	1500	272.50	1.00	1636.25
Top	2.5	110	0	1500	272.50	1.00	3272.50
Bottom	3.5	110	0	1500	382.50	1.00	3382.50
Top	3.5	130	40	0	382.50	4.60	1759.08
Bottom	5.5	130	40	0	642.50	4.60	2954.80
Top	5.5	140	0	10000	642.50	1.00	20642.50
Bottom	10.0	140	0	10000	1272.50	1.00	21272.50

CONSTRUCTION

SITE DEVELOPMENT

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

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

STRUCTURAL FILL PLACEMENT

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

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

SHALLOW FOUNDATIONS

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

DRILLED SHAFT FOUNDATIONS

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

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

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

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

QUALIFICATIONS

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

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

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

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

APPENDIX

BORING PLAN


PROPER
S04°10'
UP
EXISTING
BUILDING
302.6'
UP W/GW
UP W/GW
146.0'
B-1
POB: LEASE
56.6'
MORRIS HILL RD
LEASE AREA
(SEE SHEET 2 FOR DETAILS)
UP

PROJECT NAME Morris Hill Road

CLIENT B+T Group

PROJECT NUMBER GEO20-06721-08

Boring No.: B-1

PROJECT LOCATION 1519 Morris Hill Rd, Monticello (Wayne County), KY 42633

DATE DRILLED : 7/27/2020

DRILLING METHOD : Hollow Stem Auger

GROUND ELEVATION : 1529

BORING DEPTH (ft) : 10.5

GROUND WATER LEVELS:

AT TIME OF DRILLING : --- Not Encountered

AT END OF DRILLING : --- Not Encountered

AFTER DRILLING : --- Not Encountered

DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE
0.0	TOPSOIL							
	CLAYEY SILT (CL - ML), stiff, brown and orange, with sand, trace gravel, moist		CL-ML		4	4	8	12
2.5	SANDY SILT (ML), very dense, orange and white, trace clay and gravel, moist		ML		18	50/4"		100
5.0	SANDSTONE, orangish-tan, intensely fractured, moderately weathered, moderately hard, with clay seams				REC 80%	RQD 19%		
7.5								
10.0	Refusal at 5.5 feet. Bottom of borehole at 10.5 feet.							

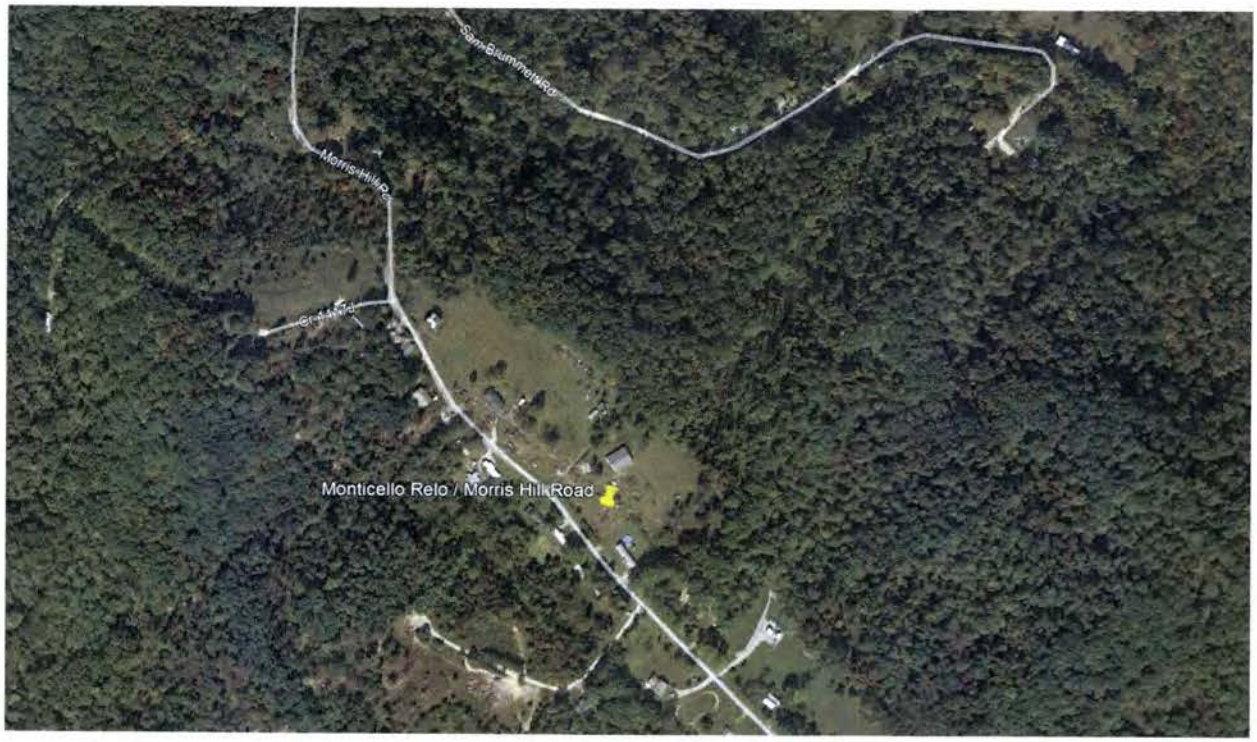
▲ SPT N VALUE ▲

10 20 30 40 50 60 70 80 90

EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at the Wayne County Judge Executive's Office, located at 55 North Main Street, Suite 103, Monticello, KY 42633, head southwest (toward Columbia Avenue) on N. Main Street and travel approximately 203 feet.
2. Continue straight onto S. Main Street and travel approximately 0.3 miles.
3. Turn left onto Frisby Street and travel approximately 0.3 miles.
4. Continued onto Morris Hill Road and travel approximately 1.2 miles.
5. The site is located on the left at 1519 Morris Hill Road, Monticello, KY 42633.
6. The site coordinates are:
    a. North 36 deg 48 min 34.53 sec
    b. West 84 deg 50 min 49.57 sec



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

EXHIBIT I
COPY OF REAL ESTATE AGREEMENT

UNITI Site ID: KYLEX2045
Uniti Site Name: Morris Hill Road
FA No.: 15115959

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 Marty Wallen and his wife, Tamara Wallen, having a mailing address of 7428 East Hwy 90, Monticello, KY 42633, and Uniti Towers LLC, a Delaware limited liability company having a mailing address of 10802 Executive Center Drive, Benton Building, Suite 300, Little Rock AR 72211 ("**Tenant**").

BACKGROUND

Landlord owns or controls that certain plot, parcel or tract of land, as described on **Exhibit 1,** together with all rights and privileges arising in connection therewith, located at 1519 Morris Hill Road, in the City of Monticello, County of Wayne, State of Kentucky (collectively, the "**Property**"). Landlord desires to grant to Tenant the right to use a portion of the Property in accordance with this Agreement.

The parties agree as follows:

1. OPTION TO LEASE.

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

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

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

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

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

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

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

3. TERM.

(a) The initial lease term will be five (5) years (the "**Initial Term**"), commencing on the effective date of written notification by Tenant to Landlord of Tenant's exercise of the Option (the "**Term Commencement Date**"). The Initial Term will terminate on the fifth (5^{th}) 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 equal to the Rent paid for the last month of the final Extension Term. 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 will be payable on account of the termination of this Agreement by Tenant under any termination provision contained in any other Section of this Agreement, including the following: Section 5 Approvals, Section 6(a) Termination, Section 6(b) Termination, Section 6(c) Termination, Section 6(d) Termination, Section 11(d) Environmental, Section 18 Condemnation or Section 19 Casualty.

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

8. **INTERFERENCE.**

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

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

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

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

9. **INDEMNIFICATION.**

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

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

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

10. WARRANTIES.

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

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

11. ENVIRONMENTAL.

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

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

(c) The indemnification provisions contained in this Section 11 specifically include reasonable costs, expenses and fees incurred in connection with any investigation of Property conditions or any clean-up,

remediation, removal or restoration work required by any governmental authority. The provisions of this Section 11 will survive the expiration or termination of this Agreement.

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

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

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

14. MAINTENANCE/UTILITIES.

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

(b) Tenant will be responsible for paying on a monthly or quarterly basis all utilities charges for electricity, telephone service or any other utility used or consumed by Tenant on the Premises. In the event Tenant cannot secure its own metered electrical supply, Tenant will have the right, at its own cost and expense, to sub-meter from Landlord. When sub-metering is required under this Agreement, Landlord will read the meter and provide Tenant with an invoice and usage data on a monthly basis. Tenant shall reimburse Landlord for such utility usage at the same rate charged to Landlord by the utility service provider. Landlord further agrees

to provide the usage data and invoice on forms provided by Tenant and to send such forms to such address and/or agent designated by Tenant. Tenant will remit payment within sixty (60) days of receipt of the usage data and required forms. Landlord shall maintain accurate and detailed records of all utility expenses, invoices and payments applicable to Tenant's reimbursement obligations hereunder. Within fifteen (15) days after a request from Tenant, Landlord shall provide copies of such utility billing records to the Tenant in the form of copies of invoices, contracts and cancelled checks. If the utility billing records reflect an overpayment by Tenant, Tenant shall have the right to deduct the amount of such overpayment from any monies due to Landlord from Tenant.

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

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

15. DEFAULT AND RIGHT TO CURE.

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

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

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

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

If to Tenant:	Uniti Towers LLC Attn: Real Estate 10801 Executive Center Drive Shannon Building, Suite 100 Little Rock AR 72211 501.458.4724
CC:	Uniti Towers LLC ATTN: Keith Harvey, Deputy General Counsel 10802 Executive Center Drive Benton Building, Suite 300 Little Rock AR 72211
For Emergencies:	NOC 1-844-398-9716
If to Landlord:	Marty and Tamara Wallen 7428 East Hwy 90 Monticello, KY 42633 Telephone: 606-278-5148

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"

Marty Wallen and his wife, Tamara Wallen

By: _____
Print Name: Marty Wallen
Its: landlord
Date: Jan 31, 2020

By: Tamara Wallen
Print Name: Tamara Wallen
Its: landlord
Date: Jan 31, 2020

"TENANT"

Uniti Towers LLC

By: _____
Print Name: Ginger Rogers
Its: VP-Real Estate
Date: 2.28.2020

[ACKNOWLEDGMENTS APPEAR ON NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF ARKANSAS

COUNTY OF PULASKI

On the 28TH day of FEBRUARY, 2020 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
MY COMMISSION # 12357237
EXPIRES: November 30, 2026
Pulaski County

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

LANDLORD ACKNOWLEDGMENT

STATE OF KY

COUNTY OF Pulaski

BE IT REMEMBERED, that on this 31st day of January, 2020 before me, the subscriber, a person authorized to take oaths in the State of Kentucky, personally appeared **Marty Wallen** 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.

Connie Lawson

Notary Public: Connie Lawson

My Commission Expires: 5-10-2023

LANDLORD ACKNOWLEDGMENT

STATE OF KY

COUNTY OF Pulaski

BE IT REMEMBERED, that on this 31st day of January, 2020 before me, the subscriber, a person authorized to take oaths in the State of Kentucky, personally appeared **Tamara Wallen** 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.

Connie Lawson

Notary Public: Connie Lawson

My Commission Expires: 5-10-2023

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 3

to the Option and Lease Agreement dated February 28, 2020, by and between Marty Wallen and his wife, Tamara Wallen, as Landlord, and Uniti Towers LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:

Beginning on an iron pin, a corner to the Annie Patton tract, and running S 70 deg. 45' 02" W 259.65' to an iron pin at the right of way of the Morris Hill Road; thence with said right of way N 40 deg. 21' 51" W 154.42' to an iron pin, N 38 deg. 19' 54" W 185.36 to an iron pin; thence leaving the said right of way and running N 43 deg. 48' 30" E 332.50' to a post at the fence corner then S 49 deg. 06' 18" E 445.50 to an iron pin and oak stump; then S 40 deg. 20' 58" W165.00' to the beginning. Containing 3.54 acres as surveyed by Wayne Eng. Assoc., Inc., 12/11/90.
BEING the same property conveyed to Marty Wallen, and his wife, Tamara Wallen, by deed dated September21, 1998, of record in Deed Book 265 at Page 597 in the Office of the Clerk of Wayne County

The Premises are described and/or depicted as follows:

LEASE AREA
All that tract or parcel of land lying and being in Wayne County, Kentucky and being a portion of the lands of Marty Wallen and Tamara Wallen, as recorded in Deed Book 265 Page 597, Wayne County records, and being more particularly described as follows:

To find the point of beginning, COMMENCE at a ½-inch rebar found at the northwest corner of said Wallen lands and having a Kentucky Grid North, NAD83, Single Zone value of N: 3455849.3636 E: 5185691.3019; thence running along a tie line, South 04°10'22" West, 321.02 feet to a point having a Kentucky Grid North, NAD83, Single Zone value of N: 3455529.1954 E: 5185667.9437 and the true POINT OF BEGINNING; Thence running, South 48°24'32" West, 100.00 feet to a point; Thence, North 41°35'28" West, 100.00 feet to a point; Thence, North 48°24'32" East, 100.00 feet to a point; Thence, South 41°35'28" East, 100.00 feet to a point; and the POINT OF BEGINNING.
Bearings 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 by POINT TO POINT LAND SURVEYORS, INC. dated November 7, 2019. and last revised December 2, 2019

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 Wayne County, Kentucky and being a portion of the lands of Marty Wallen and Tamara Wallen, as recorded in Deed Book 265 Page 597, Wayne County records, and being more particularly described by the following centerline data:

To find the point of beginning, COMMENCE at a ½-inch rebar found at the northwest corner of said Wallen lands and having a Kentucky Grid North, NAD83, Single Zone value of N: 3455849.3636 E: 5185691.3019; thence running along a tie line, South 04°10'22" West, 321.02 feet to the northeast corner of the Lease Area, having a Kentucky Grid North, NAD83, Single Zone value of N: 3455529.1954 E: 5185667.9437; thence running along said Lease Area, South 48°24'32" West, 100.00 feet to a point; thence, North 41°35'28" West, 50.00 feet to a point and the true POINT OF BEGINNING; Thence leaving said right-of-way line and running, South 48°24'32" West, 6.63 feet to the ENDING at a point on the easterly right-of-way line of Morris Hill Road.
Bearings based on Kentucky Grid North, NAD83, Single Zone.
As shown in a survey prepared for Uniti Towers by POINT TO POINT LAND SURVEYORS, INC. dated November 7, 2019. and last revised December 2, 2019

Notes:

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

PARENT PARCEL

OWNER: MARTY WALLEN AND TAMARA WALLEN

SITE ADDRESS: 1539 MORRIS HILL RD, MONTICELLO, KY 42633

PARCEL ID: 067-00-00-040.03

AREA: 3.54 ACRES (PER TAX ASSESSOR)

ZONED: NO ZONING IN UNINCORPORATED WAYNE COUNTY

ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS

REFERENCE: DEED BOOK 265 PAGE 597

PARENT PARCEL

(PER ORDER NO. 7989049)

1539 MORRIS HILL RD.

BEGINNING ON AN IRON PIN, A CORNER TO THE ANNIE PATTON TRACT, AND RUNNING S 70 DEG. 45' 02" W 258.69' TO AN IRON PIN AT THE RIGHT OF WAY OF THE MORRIS HILL ROAD; THENCE WITH SAID RIGHT OF WAY N 40 DEG. 21' 51" W 184.42' TO AN IRON PIN, N 38 DEG. 19' 54" W 155.36' TO AN IRON PIN; THENCE LEAVING SAID RIGHT OF WAY AND RUNNING N 43 DEG. 49' 30" E 332.50' TO A POST AT THE FENCE CORNER; THENCE S 49 DEG. 08' 18" E 445.50' TO AN IRON PIN AND OAK STUMP; THENCE S 40 DEG. 20' 58" W 165.00' TO THE BEGINNING, CONTAINING 3.54 ACRES AS SURVEYED BY WAYNE ENG. ASSOC., INC. 12/11/90.

BEING THE SAME PROPERTY CONVEYED TO MARTY WALLEN AND HIS WIFE, TAMARA WALLEN, BY DEED DATED SEPTEMBER 21, 1998, OF RECORD IN DEED BOOK 26, PAGE 597, IN THE OFFICE OF THE CLERK OF WAYNE COUNTY, KENTUCKY.

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY, SEARCHED THROUGH OCTOBER 24, 2019 AT 8:00 AM, BEING ORDER NO. 7989049, REFERENCE NO. 19-2563, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

MORTGAGES:

9. PAY AND HAVE RELEASED OF RECORD MORTGAGE TO SECURE $69,857.00, IN FAVOR OF FIRST SOUTHERN NATIONAL BANK, DATED APRIL 11, 2012, AND RECORDED IN MORTGAGE BOOK 362, PAGE 372, IN THE OFFICE OF THE CLERK OF WAYNE COUNTY, KENTUCKY.

(THIS ITEM DESCRIBES THE PARENT PARCEL & IS BLANKET IN NATURE)

LIENS:

10. HAVE RELEASED OF RECORD NOTICE OF JUDGEMENT LIEN OF RECORD IN MISCELLANEOUS LIEN AND ENCUMBRANCE BOOK 28, PAGE 347 (TAMARA WALLEN), IN THE OFFICE AFORESAID (COPY ATTACHED) OR ESTABLISH THAT LIEN DOES NOT AFFECT.

(THIS ITEM MAY AFFECT THE PARENT PARCEL, BUT DOES NOT CONTAIN A PLOTTABLE DESCRIPTION)

EASEMENTS, RESTRICTIONS AND OTHER MATTERS AFFECTING TITLE SEARCHED:

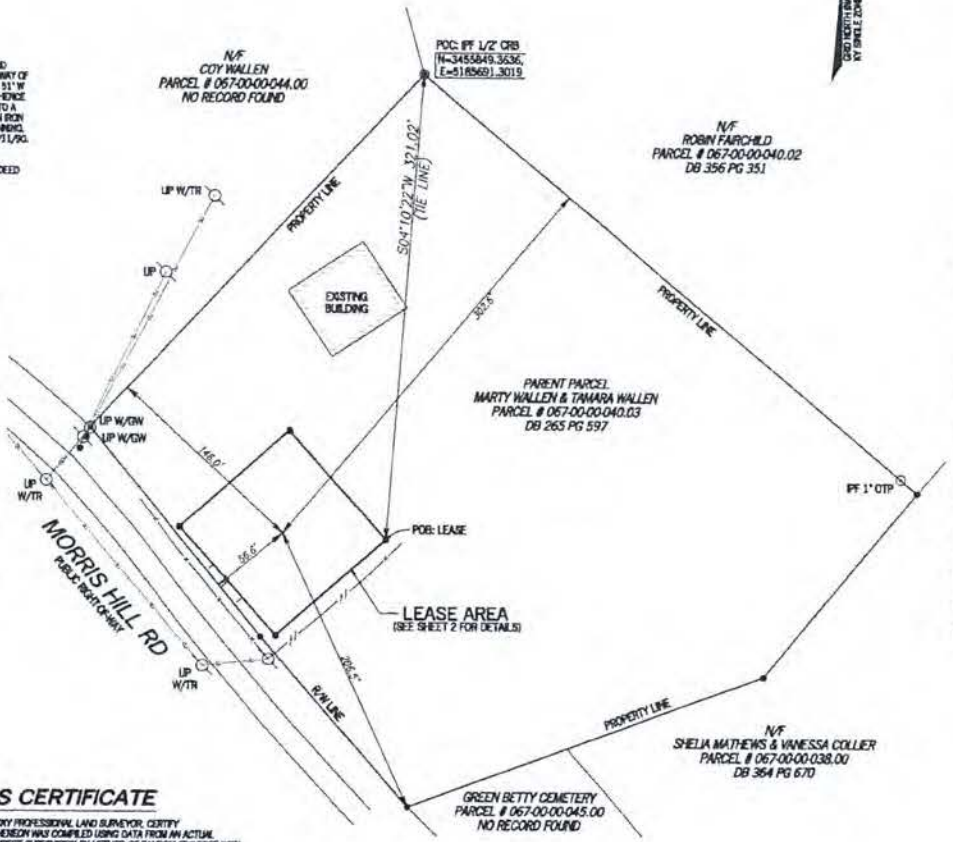
11. DEED OF EASEMENT OF RECORD IN DEED BOOK 230, PAGE 280, IN THE OFFICE OF THE CLERK AFORESAID.

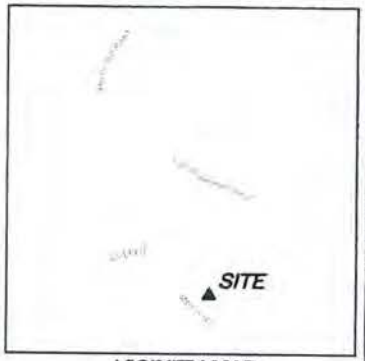
(THIS ITEM MAY AFFECT THE PARENT PARCEL AND IS BLANKET IN NATURE)

GPS NOTES

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

POSITIONAL ACCURACY:0.02 FEET (HORZ) 0.08 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: 10/25/19
DATUM / EPOCH: NAD_83(2011)(EPOCH:2010.0000)
PUBLISHED / FIXED CONTROL USE: N/A
GEOID MODEL: 18
COMBINED GRID FACTORS: 1.00000843 CENTERED ON THE GPS BASE POINT AS SHOWN HEREON.
CONVERGENCE ANGLE: 0.58434444°





VICINITY MAP

NOT TO SCALE

GENERAL NOTES

* THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASED PREMISES AND EASEMENTS ONLY. THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF UNITI TOWERS AND EXCLUSIVELY FOR THE TRANSFERAL 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: 10/25/19.

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 KENTUCKY GRID NORTH (NAD 83) 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.: 21231C0200C DATED: 08/02/2009

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

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

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

LEGEND

POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
IPS	IRON PIN SET
IPF	IRON PIN FOUND
CMF	CONCRETE MONUMENT FOUND
OTP	OPEN TOP PIPE
CRB	CAPPED REBAR
UP	UTILITY POLE
LP	LIGHT POLE
PAR	PARROT
EP	EDGE OF PAVEMENT
OHU	OVERHEAD UTILITY
UG	UNDERGROUND UTILITY
GW	GUY WIRE ANCHOR
TR	TRANSFORMER
N/F	NOW OR FORMERLY

SURVEYOR'S CERTIFICATE

I, G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN URBAN SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 201 KAR 18:150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

G. DARRELL TAYLOR, PLS 4179 — DATE 12/02/19

GRAPHIC SCALE IN FEET
SCALE: 1" = 80'

SURVEY NOT VALID WITHOUT SHEET 2 OF 2

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

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

NO.	DATE	REVISION
1	12/02/2019	ADDED TITLE EXAM.

* 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

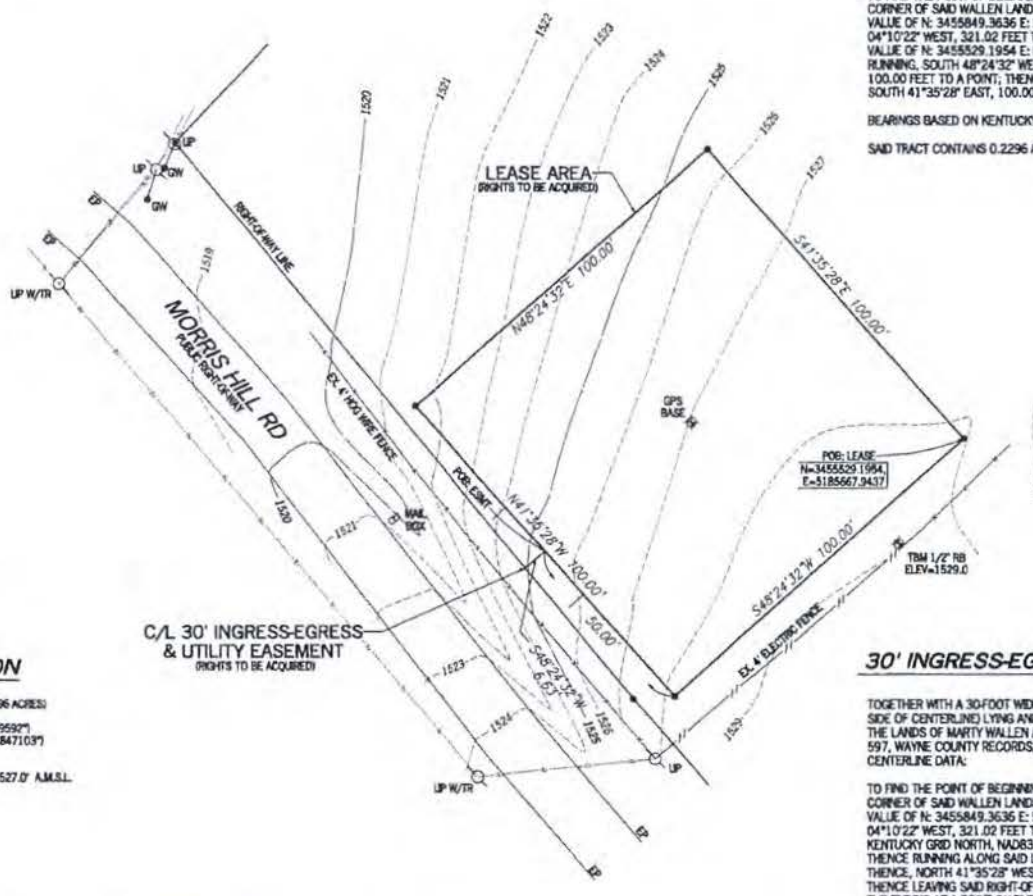
SPECIFIC PURPOSE SURVEY PREPARED FOR:

Uniti Towers

MORRIS HILL RD
FA15115959
WAYNE COUNTY, KENTUCKY

DRAWN BY: EAL
CHECKED BY: JKL
APPROVED: D. MILLER
DATE: NOVEMBER 7, 2019
P2P JOB #: 19490SKY

SHEET: 1 OF 2



GRAPHIC SCALE IN FEET
SCALE: 1" = 30'

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN WAYNE COUNTY, KENTUCKY AND BEING A PORTION OF THE LANDS OF MARTY WALLEN AND TAMARA WALLEN, AS RECORDED IN DEED BOOK 265 PAGE 597, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½-INCH REBAR FOUND AT THE NORTHWEST CORNER OF SAID WALLEN LANDS AND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455849.3636 E: 5185691.3019; THENCE RUNNING ALONG A TIE LINE, SOUTH 04°10'22" WEST, 321.02 FEET TO A POINT HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455529.1954 E: 5185667.9437 AND THE TRUE POINT OF BEGINNING; THENCE RUNNING, SOUTH 48°24'32" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 41°35'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 48°24'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 41°35'28" EAST, 100.00 FEET TO A POINT; AND THE POINT OF BEGINNING.

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

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

SITE INFORMATION

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

LATITUDE = 36°48'34.53" (NAD 83) (36.809592°)
LONGITUDE = -84°50'49.57" (NAD 83) (-84.847103°)
AT CENTER LEASE AREA

ELEVATION AT CENTER OF LEASE AREA = 1527.0' A.M.S.L.

LEGEND

POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
IRS	IRON PIN SET
IRF	IRON PIN FOUND
CMF	CONCRETE MONUMENT FOUND
GTF	GREEN TOP PIPE
CTP	CAPPED TIEBAR
UP	UTILITY POLE
LP	LIGHT POLE
PM	PARENT
EP	EDGE OF PAVEMENT
OHU	OVERHEAD UTILITY
UE	UNDERGROUND UTILITY
GW	GUY WIRE ANCHOR
TR	TRANSFORMER
N/F	NOW OR FORMERLY

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 WAYNE COUNTY, KENTUCKY AND BEING A PORTION OF THE LANDS OF MARTY WALLEN AND TAMARA WALLEN, AS RECORDED IN DEED BOOK 265 PAGE 597, WAYNE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A ½-INCH REBAR FOUND AT THE NORTHWEST CORNER OF SAID WALLEN LANDS AND HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455849.3636 E: 5185691.3019; THENCE RUNNING ALONG A TIE LINE, SOUTH 04°10'22" WEST, 321.02 FEET TO THE NORTHEAST CORNER OF THE LEASE AREA, HAVING A KENTUCKY GRID NORTH, NAD83, SINGLE ZONE VALUE OF N: 3455529.1954 E: 5185667.9437; THENCE RUNNING ALONG SAID LEASE AREA, SOUTH 48°24'32" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 41°35'28" WEST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING, SOUTH 48°24'32" WEST, 6.63 FEET TO THE ENDING AT A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF MORRIS HILL ROAD.

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

SURVEY NOT VALID WITHOUT SHEET 1 OF 2

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

NO.	DATE	REVISION
1	12/02/2019	ADDED TITLE -EAL

* 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:

Uniti Towers

MORRIS HILL RD
FA15115959
WAYNE COUNTY, KENTUCKY

DRAWN BY: EAL
CHECKED BY: JKL
APPROVED: D. MILLER
DATE: NOVEMBER 7, 2019
P2P JOB #: 19490SKY

SHEET: 2 OF 2

EXHIBIT J
NOTIFICATION LISTING

Monticello Relo / Morris Hill Road – Notice List

WALLEN MARTY & TAMARA
7428 E HWY 90
MONTICELLO, KY 42633

WALLEN COY
1425 MORRIS HILL RD
MONTICELLO, KY 42633

WALLEN SKYLA
1425 MORRIS HILL RD
MONTICELLO, KY 42633

FAIRCHILD ROBIN
655 SAM BRUMMETT RD
MONTICELLO, KY 42633

MATTHEWS SHELIA & VANESSA COLLIER
125 18TH AVE
MOLINE, IL 61265

GREEN BETTY CEMETERY
MONTICELLO, KY 42633

ROBERTS SAM & KATHERINE
1600 MORRIS HILL RD
MONTICELLO, KY 42633

PHIPPS CHARLES OLIVER
1764 MORRIS HILL RD
MONTICELLO, KY 42633

SMITH WILLIAM C
317 EASTLAND DR
MONTICELLO, KY 42633

TROXELL FREEMAN
1446 MORRIS HILL RD
MONTICELLO, KY 42633

MORRIS LEONARD
PO BOX 782
MONTICELLO, KY 42633

EXHIBIT K
COPY OF PROPERTY OWNER NOTIFICATION

PIKE LEGAL

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: Monticello Relo / Morris Hill Road

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 1519 Morris Hill Road, Monticello, KY 42633 (36° 48' 34.53" North latitude, 84° 50' 49.57" West longitude). The proposed facility will include a 130-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 140-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 2020-00303 in any correspondence sent in connection with this matter.

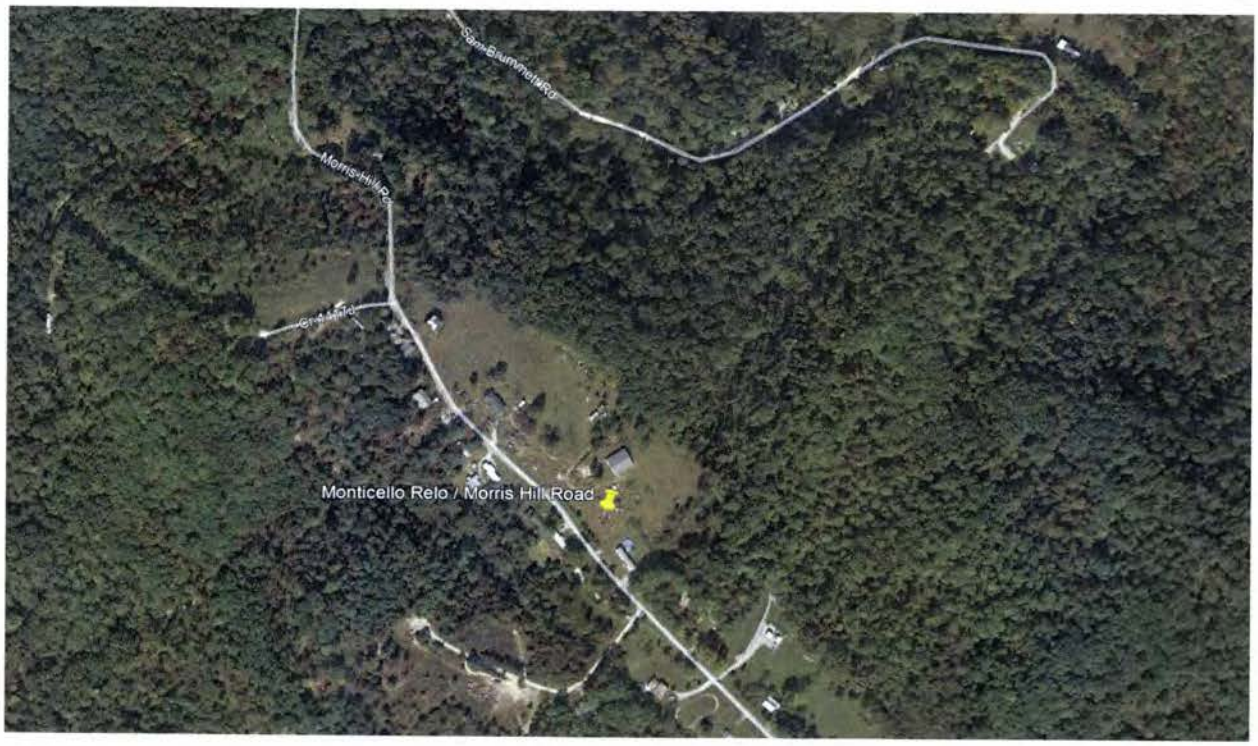
We have attached a map showing the site location for the proposed tower. AT&T Mobility's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the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

Sincerely,
David A. Pike
Attorney for Applicants

enclosures

Driving Directions to Proposed Tower Site

1. Beginning at the Wayne County Judge Executive's Office, located at 55 North Main Street, Suite 103, Monticello, KY 42633, head southwest (toward Columbia Avenue) on N. Main Street and travel approximately 203 feet.
2. Continue straight onto S. Main Street and travel approximately 0.3 miles.
3. Turn left onto Frisby Street and travel approximately 0.3 miles.
4. Continued onto Morris Hill Road and travel approximately 1.2 miles.
5. The site is located on the left at 1519 Morris Hill Road, Monticello, KY 42633.
6. The site coordinates are:
    a. North 36 deg 48 min 34.53 sec
    b. West 84 deg 50 min 49.57 sec



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

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

N

#	OWNER	ADDRESS	PID	REF
1	MARTY & TAMARA WALLEN	7428 E HWY 90 MONTICELLO, KY 42633	067-00 00 040.03	DB 265 PG 597
2	COY WALLEN	1425 MORRIS HILL RD MONTICELLO, KY 42633	067-00 00 044.00	NO RECORD FND
3	ROBIN FAIRCHILD	655 S BRUMMETT RD MONTICELLO, KY 42633	067-00 00 040.02	DB 356 PG 351
4	SHELIA MATHEWS & VANESSA COLLIER	125 18th AVENUE MOLINE, IL 61265	067-00 00 038.00	DB 364 PG 670
5	GREEN BETTY CEMETERY	GREEN BETTY CEMETERY MONTICELLO, KY 42633	067-00 00 045.00	NO RECORD FND
6	SAM & KATHERINE ROBERTS	1600 MORRIS HILL RD MONTICELLO, KY 42633	053-00 00 081.00	DB 322 PG 207
7	CHARLES OLIVER PHIPPS	1764 MORRIS HILL RD MONTICELLO, KY 42633	053-00 00 078.00	DB 143 PG 360
8	COY WALLEN	1425 MORRIS HILL RD MONTICELLO, KY 42633	XXX-002.00ETC	DB 227 PG 637
9	WILLIAM C. SMITH	317 EASTLAND DR MONTICELLO, KY 42633	XXX-006.00	DB 204 PG 309
10	FREEMAN TROXELL	1446 MORRIS HILLRD MONTICELLO, KY 42633	XXX-003.00	-
11	LEONARD MORRIS	P.O. BOX 782 MONTICELLO, KY 42633	XXX-025.00ETC	DB 252 PG 248

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 7/16/2020 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!

B+T GRP

at&t

Uniti Towers

UNITI TOWERS
MORRIS HILL RD
FA# 15115959
PI# 10115706
1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 130' MONOPOLE TOWER

PROJECT NO: G013326
CHECKED BY: MAS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRAD D. MILAKOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

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

PIKE
LEGAL

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

VIA CERTIFIED MAIL

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

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2020-00303
Site Name: Monticello Relo / Morris Hill Road

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 1519 Morris Hill Road, Monticello, KY 42633 (36° 48' 34.53" North latitude, 84° 50' 49.57" West longitude). The proposed facility will include a 130-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 140-feet, plus related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

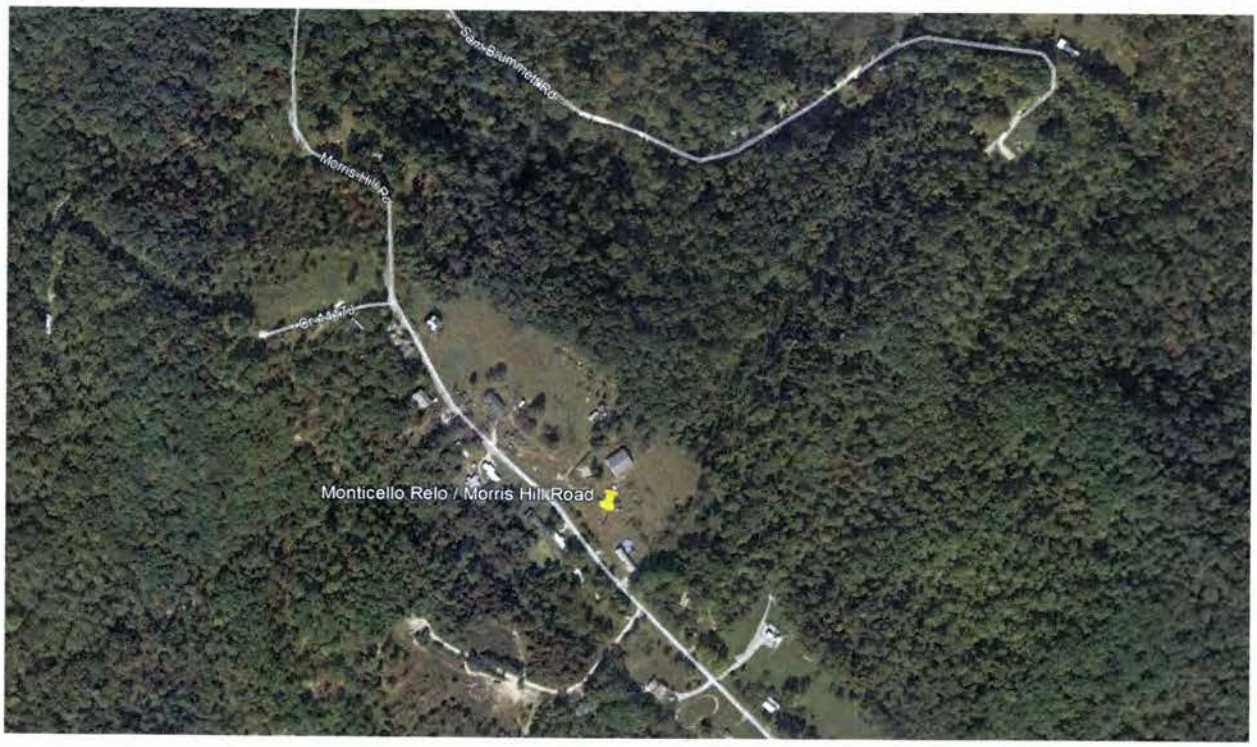
You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00303 in any 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 Tower Site

1. Beginning at the Wayne County Judge Executive's Office, located at 55 North Main Street, Suite 103, Monticello, KY 42633, head southwest (toward Columbia Avenue) on N. Main Street and travel approximately 203 feet.
2. Continue straight onto S. Main Street and travel approximately 0.3 miles.
3. Turn left onto Frisby Street and travel approximately 0.3 miles.
4. Continued onto Morris Hill Road and travel approximately 1.2 miles.
5. The site is located on the left at 1519 Morris Hill Road, Monticello, KY 42633.
6. The site coordinates are:
    a. North 36 deg 48 min 34.53 sec
    b. West 84 deg 50 min 49.57 sec



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

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

N

#	OWNER	ADDRESS	PID	REF
1	MARTY & TAMARA WALLEN	7428 E HWY 90 MONTICELLO, KY 42633	067-00 00 040.03	DB 265 PG 597
2	COY WALLEN	1425 MORRIS HILL RD MONTICELLO, KY 42633	067-00 00 044.00	NO RECORD FND
3	ROBIN FAIRCHILD	655 S BRUMMETT RD MONTICELLO, KY 42633	067-00 00 040.02	DB 356 PG 351
4	SHELIA MATHEWS & VANESSA COLLIER	125 18th AVENUE MOLINE, IL 61265	067-00 00 038.00	DB 364 PG 670
5	GREEN BETTY CEMETERY	GREEN BETTY CEMETERY MONTICELLO, KY 42633	067-00 00 045.00	NO RECORD FND
6	SAM & KATHERINE ROBERTS	1600 MORRIS HILL RD MONTICELLO, KY 42633	053-00 00 081.00	DB 322 PG 207
7	CHARLES OLIVER PHIPPS	1764 MORRIS HILL RD MONTICELLO, KY 42633	053-00 00 078.00	DB 143 PG 360
8	COY WALLEN	1425 MORRIS HILL RD MONTICELLO, KY 42633	XXX-002.00ETC	DB 227 PG 637
9	WILLIAM C. SMITH	317 EASTLAND DR MONTICELLO, KY 42633	XXX-006.00	DB 204 PG 309
10	FREEMAN TROXELL	1446 MORRIS HILLRD MONTICELLO, KY 42633	XXX-003.00	-
11	LEONARD MORRIS	P.O. BOX 782 MONTICELLO, KY 42633	XXX-025.00ETC	DB 252 PG 248

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 7/16/2020 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!

B&T GRP

at&t

Uniti Towers

UNITI TOWERS
MORRIS HILL RD
FA# 15115959
PT# 10115706
1519 MORRIS HILL ROAD
MONTICELLO, KY 42633
WAYNE COUNTY
PROPOSED 130' MONOPOLE TOWER

PROJECT NO: [illegible]
CHECKED BY: MAS

ISSUED FOR

REV	DATE	DRWN	DESCRIPTION
A	08/17/20	DLS	ZONING DRAWINGS
0	08/17/20	DLS	FINAL ZONING DWGS

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

STATE OF KENTUCKY
BRAD P. KOLANOWSKI
25311
LICENSED PROFESSIONAL ENGINEER
08/17/20

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 M
COPY OF POSTED NOTICES
AND NEWSPAPER NOTICE ADVERTISEMENT

SITE NAME: MONTICELLO RELO / MORRIS HILL ROAD 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 2020-00303 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 2020-00303 in your correspondence.

PIKE LEGAL

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

VIA TELEPHONE: (606) 348-3338
VIA EMAIL: advertising@wcoutlook.com

The Wayne County Outlook
45 East Columbia Avenue
P.O. Box 432
Monticello, Kentucky 42633

RE: Legal Notice Advertisement
Site Name: Monticello Relo / Morris Hill Road

Dear Wayne County Outlook:

Please publish the following legal notice advertisement in the next edition of *The Wayne County Outlook*:

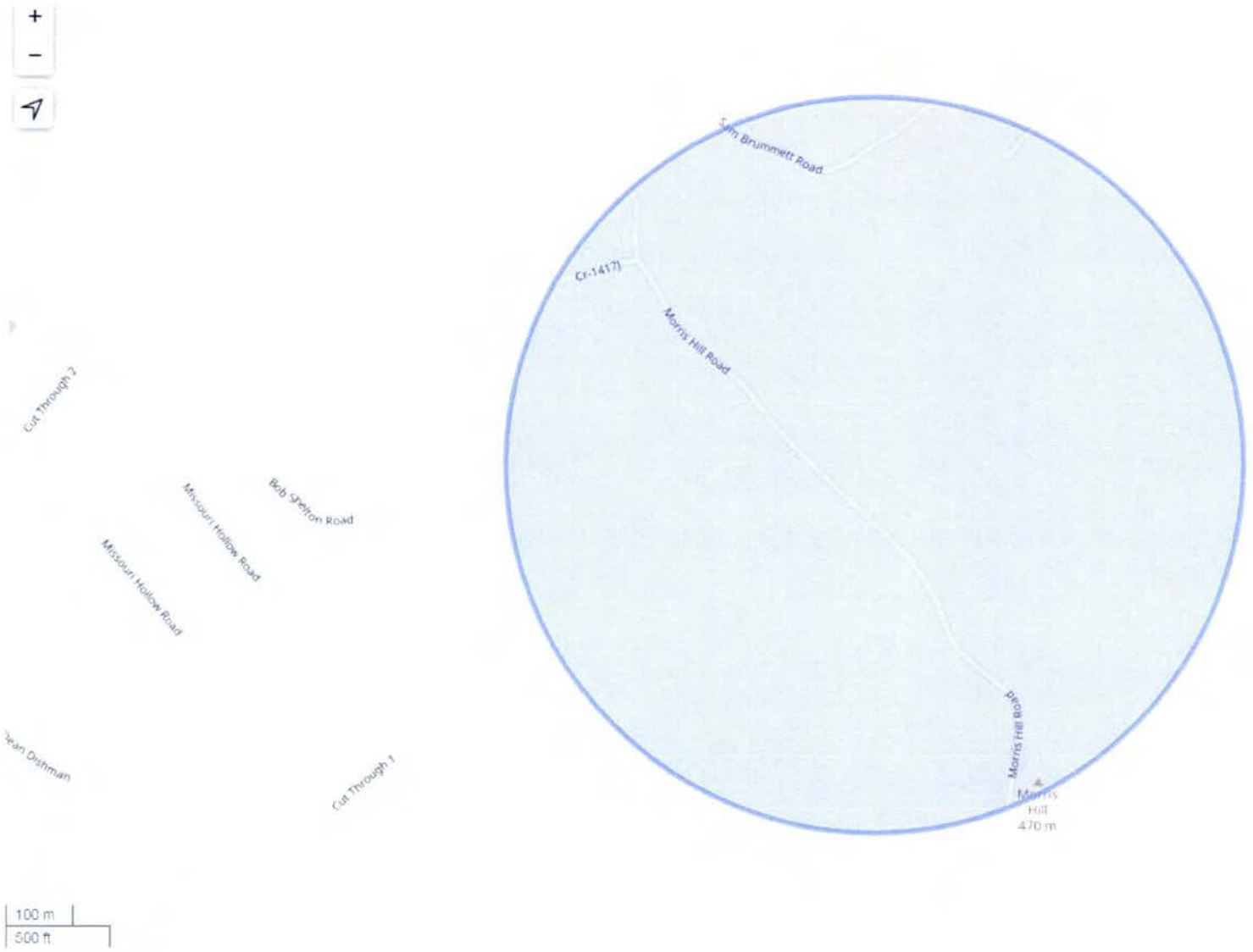
NOTICE

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 1519 Morris Hill Road, Monticello, KY 42633 (36° 48' 34.53" North latitude, 84° 50' 49.57" West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00303 in any correspondence sent in connection with this matter.

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

Sincerely,
Chris Shouse
Pike Legal Group, PLLC

EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA


Sam Brummett Road
Cr-1417)
Morris Hill Road
Cut Through 2
Missouri Hollow Road
Bob Shelton Road
Missouri Hollow Road
Cut Through 1
Morris Hill
470 m
100 m
500 ft