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	)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC	)	CASE NO.: 2020-00361
CONVENIENCE AND NECESSITY TO CONSTRUCT	)	
A WIRELESS COMMUNICATIONS FACILITY	)	
IN THE COMMONWEALTH OF KENTUCKY	)	
IN THE COUNTY OF MARSHALL	)	

SITE NAME: MOORS CAMP

* * * * * * *

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 ("Applicant"), 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 submits 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 Applicant with wireless communications services.

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

1. The complete name and address of the Applicant: New Cingular Wireless

PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility, having a local address of Meidinger Tower, 462 S. 4th Street, Suite 2400, Louisville, KY 40202.

2. Applicant proposes construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicant submits 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. Applicant is a limited liability company organized in the State of Delaware on October 20, 1994.

4. Applicant attests that it is in good standing in the state in which it is organized and further states that it is authorized to transact business in Kentucky.

5. The Certificate of Authority filed with the Kentucky Secretary of State for the Applicant entity is attached as part of **Exhibit A** pursuant to 807 KAR 5:001: Section 14(3).

6. The Applicant operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of the Applicant'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 the Applicant's services to an area currently not served or not adequately served by the Applicant 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 the Applicant'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 the Applicant's network design that must be in place to provide adequate coverage to the service area.

8. To address the above-described service needs, Applicant proposes to construct a WCF at Steamboat Road, Gilbertsville, KY 42044 (36° 55' 54.78" North latitude, 88° 14' 56.76" 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 Daniel and Jill Slayden pursuant to a Deed recorded at Deed Book 424, Page 46 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall tower, with an approximately 15-foot tall lightning arrestor attached at the top, for a total height of 270-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of the Applicant's radio electronics equipment and appurtenant equipment. The Applicant's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**.

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 the antennas of the Applicant 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. Applicant has considered the likely effects of the installation of the proposed WCF on nearby land uses and values and has 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 Applicant's antennas on an existing structure. When suitable towers or structures exist, Applicant attempts to co-locate on existing structures such as communications towers or other structures capable of supporting Applicant'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 from the Kentucky Airport Zoning Commission ("KAZC") for the proposed tower 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. Applicant, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit I**.

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 Sean Sheehan 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. Applicant has 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. Applicant has 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 heavily wooded and rural residential in character. The proposed tower will be located within a densely wooded tract of land.

26. The process that was used by the Applicant'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. Applicant'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 Applicant when searching for sites for its antennas that would provide the coverage deemed necessary by the Applicant. 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, Applicant 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 New Cingular Wireless PCS, LLC
d/b/a AT&T Mobility

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

Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

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

Call Sign	File Number
KNKN830	
Radio Service CL - Cellular	
Market Numer CMA443	**Channel Block** A
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003291192

Market Name
Kentucky 1 - Fulton

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.
4	36-32-58.2 N	088-19-52.1 W	162.8	215.9	1044609

Address: SOUTH OF 521 MIDWAY ROAD (76098)
City: MURRAY **County:** CALLOWAY **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.300	98.100	103.900	91.600	77.400	92.600	89.800	92.800
Transmitting ERP (watts)	90.905	315.534	257.251	45.036	1.831	0.631	0.653	5.479

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.300	98.100	103.900	91.600	77.400	92.600	89.800	92.800
Transmitting ERP (watts)	0.189	0.181	2.710	24.477	46.412	26.231	3.140	0.165

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.300	98.100	103.900	91.600	77.400	92.600	89.800	92.800
Transmitting ERP (watts)	93.187	5.247	0.653	0.792	2.286	40.640	253.641	324.312

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: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	36-40-48.5 N	088-59-38.9 W	125.6	97.5	1043413

Address: 368 US HIGHWAY 51 NORTH (76095)
City: Clinton **County:** HICKMAN **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.500	101.100	87.000	99.800	107.400	111.400	116.100	103.500
Transmitting ERP (watts)	46.473	43.365	8.875	2.867	0.271	1.698	13.116	39.622

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.500	101.100	87.000	99.800	107.400	111.400	116.100	103.500
Transmitting ERP (watts)	16.262	75.054	100.598	95.375	87.529	27.061	32.457	15.298

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.500	101.100	87.000	99.800	107.400	111.400	116.100	103.500
Transmitting ERP (watts)	26.123	10.219	13.943	31.412	138.549	180.577	193.913	76.304

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	36-45-30.7 N	088-10-11.4 W	156.1	96.3	1043411

Address: 771 Rudolph Road (76099)
City: Hardin **County:** MARSHALL **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)	130.300	111.500	104.000	127.200	98.400	106.100	109.000	115.300
Transmitting ERP (watts)	138.810	181.853	201.332	78.257	26.754	10.412	13.921	31.435

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)	130.300	111.500	104.000	127.200	98.400	106.100	109.000	115.300
Transmitting ERP (watts)	0.495	0.767	13.331	103.933	243.934	88.607	9.081	2.358

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)	130.300	111.500	104.000	127.200	98.400	106.100	109.000	115.300
Transmitting ERP (watts)	121.085	34.811	25.322	9.647	14.734	94.724	185.217	194.265

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	36-57-02.0 N	089-04-57.4 W	139.6	35.1	

Address: 966 Westvaco Road (76102)
City: WICKLIFFE **County:** BALLARD **State:** KY **Construction Deadline:**

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.700	39.500	47.700	59.600	40.400	76.800	74.900	77.800
Transmitting ERP (watts)	208.387	279.525	57.987	6.279	2.348	0.861	2.044	43.197

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.700	39.500	47.700	59.600	40.400	76.800	74.900	77.800
Transmitting ERP (watts)	13.096	122.483	310.652	139.984	16.567	3.121	0.637	1.151

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	66.700	39.500	47.700	59.600	40.400	76.800	74.900	77.800
Transmitting ERP (watts)	1.083	3.141	55.641	235.301	265.480	45.044	5.015	1.649

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	36-31-12.4 N	088-50-41.5 W	144.2	122.2	1030665

Address: 550 Powell Road (76108)
City: FULTON **County:** HICKMAN **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.600	50.500	50.000	62.400	74.100	82.600	70.400	68.900
Transmitting ERP (watts)	54.186	259.791	165.189	15.440	1.821	0.520	0.538	2.272

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	54.600	50.500	50.000	62.400	74.100	82.600	70.400	68.900
Transmitting ERP (watts)	37.483	3.445	0.681	0.543	0.696	23.278	173.429	255.845

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-38-43.9 N	088-28-32.2 W	171.9	129.8	1210819

Address: 1211 Bazzell Cemetery Road (76104)
City: Murray **County:** CALLOWAY **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.500	104.900	100.600	100.600	101.500	99.400	106.900	111.600
Transmitting ERP (watts)	90.670	314.927	257.500	45.061	1.817	0.634	0.658	5.547

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-38-43.9 N	088-28-32.2 W	171.9	129.8	1210819

Address: 1211 Bazzell Cemetery Road (76104)
City: Murray **County:** CALLOWAY **State:** KY **Construction Deadline:** 10-17-2014

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)	119.500	104.900	100.600	100.600	101.500	99.400	106.900	111.600
Transmitting ERP (watts)	0.367	0.330	5.484	55.361	112.914	58.679	6.523	0.289

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)	119.500	104.900	100.600	100.600	101.500	99.400	106.900	111.600
Transmitting ERP (watts)	92.571	5.224	0.656	0.800	2.278	41.111	254.363	324.895

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	36-36-41.4 N	088-47-03.9 W	155.7	98.4	1215493

Address: 13111 State Route 45 South (76105)
City: Wingo **County:** GRAVES **State:** KY **Construction Deadline:** 10-17-2014

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)	113.900	104.300	100.500	100.100	118.200	120.600	142.500	118.400
Transmitting ERP (watts)	75.324	249.922	174.975	24.513	3.151	0.522	1.154	5.702

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)	113.900	104.300	100.500	100.100	118.200	120.600	142.500	118.400
Transmitting ERP (watts)	0.327	2.041	16.058	48.846	56.920	53.682	10.688	3.498

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)	113.900	104.300	100.500	100.100	118.200	120.600	142.500	118.400
Transmitting ERP (watts)	52.956	5.694	1.994	0.772	1.841	39.724	185.306	249.412

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-01-59.6 N	088-55-53.8 W	137.2	81.7	1061534

Address: HIGHWAY 358 SOUTH (76094)
City: LA CENTER **County:** BALLARD **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.800	81.800	70.500	81.800	84.100	79.400	91.200	97.100
Transmitting ERP (watts)	112.389	322.213	224.476	23.789	1.892	0.660	0.706	9.624

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-01-59.6 N	088-55-53.8 W	137.2	81.7	1061534

Address: HIGHWAY 358 SOUTH (76094)
City: LA CENTER **County:** BALLARD **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.800	81.800	70.500	81.800	84.100	79.400	91.200	97.100
Transmitting ERP (watts)	0.245	0.296	9.047	63.327	119.917	49.080	4.913	0.289

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	89.800	81.800	70.500	81.800	84.100	79.400	91.200	97.100
Transmitting ERP (watts)	61.077	6.560	2.321	0.892	2.139	46.212	218.148	287.895

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	37-02-00.0 N	088-22-10.0 W	105.5	106.7	1040303

Address: 641 GARY JOHNSON ROAD (76096)
City: CALVERT CITY **County:** MARSHALL **State:** KY **Construction Deadline:** 10-17-2014

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)	86.900	86.100	95.100	91.700	77.400	93.100	107.000	101.600
Transmitting ERP (watts)	19.290	27.291	31.707	11.704	2.348	0.517	1.589	4.904

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)	86.900	86.100	95.100	91.700	77.400	93.100	107.000	101.600
Transmitting ERP (watts)	0.103	0.173	3.333	26.500	50.592	22.618	2.382	0.161

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)	86.900	86.100	95.100	91.700	77.400	93.100	107.000	101.600
Transmitting ERP (watts)	51.334	5.515	1.916	0.726	1.742	37.531	178.683	239.865

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
24	36-52-41.6 N	088-12-19.4 W	132.3	94.5	1223751

Address: 3018 Barge Island Road (76116)
City: Benton **County:** MARSHALL **State:** KY **Construction Deadline:** 10-17-2014

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)	100.900	74.800	82.900	90.300	83.200	75.100	82.700	89.800
Transmitting ERP (watts)	64.257	218.461	153.987	21.410	2.758	0.447	1.004	4.863

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
24	36-52-41.6 N	088-12-19.4 W	132.3	94.5	1223751

Address: 3018 Barge Island Road (76116)
City: Benton **County:** MARSHALL **State:** KY **Construction Deadline:** 10-17-2014

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)	100.900	74.800	82.900	90.300	83.200	75.100	82.700	89.800
Transmitting ERP (watts)	0.516	0.812	13.931	109.389	254.428	92.990	9.535	2.468

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	100.900	74.800	82.900	90.300	83.200	75.100	82.700	89.800
Transmitting ERP (watts)	126.395	36.677	26.446	10.150	15.357	99.601	194.625	203.444

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
26	37-06-39.7 N	088-57-32.4 W	118.3	86.6	1244919

Address: 2967 BANDANA ROAD (76122)
City: LA CENTER **County:** BALLARD **State:** KY **Construction Deadline:** 10-17-2014

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)	98.000	96.700	81.000	73.300	74.700	89.200	104.100	92.500
Transmitting ERP (watts)	40.898	65.024	70.503	22.298	3.898	0.957	2.616	9.032

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)	98.000	96.700	81.000	73.300	74.700	89.200	104.100	92.500
Transmitting ERP (watts)	0.519	25.920	110.565	221.603	140.992	214.122	87.608	63.085

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)	98.000	96.700	81.000	73.300	74.700	89.200	104.100	92.500
Transmitting ERP (watts)	37.744	5.696	3.296	2.226	3.676	28.040	60.416	72.478

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	36-48-47.4 N	089-01-13.9 W	114.0	92.7	1244912

Address: 461 COUNTY ROAD 1235 (76123)
City: ARLINGTON **County:** CARLISLE **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	82.200	73.600	91.100	97.500	88.700	101.500	87.500
Transmitting ERP (watts)	106.670	236.325	87.322	9.136	2.326	0.497	0.777	13.791

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	36-48-47.4 N	089-01-13.9 W	114.0	92.7	1244912

Address: 461 COUNTY ROAD 1235 (76123)
City: ARLINGTON **County:** CARLISLE **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	82.200	73.600	91.100	97.500	88.700	101.500	87.500
Transmitting ERP (watts)	3.771	6.725	70.667	194.932	224.510	93.220	19.059	10.392

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	82.200	73.600	91.100	97.500	88.700	101.500	87.500
Transmitting ERP (watts)	17.405	2.960	0.738	2.081	7.101	31.894	50.141	56.076

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
28	36-32-49.7 N	088-09-16.0 W	128.6	77.7	1245399

Address: 10475 STATE ROAD 121 (76124)
City: NEW CONCORD **County:** CALLOWAY **State:** KY **Construction Deadline:** 10-17-2014

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)	65.300	82.000	68.100	72.000	52.100	54.800	45.900	46.700
Transmitting ERP (watts)	103.508	96.740	121.896	67.061	24.395	17.896	22.126	33.816

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)	65.300	82.000	68.100	72.000	52.100	54.800	45.900	46.700
Transmitting ERP (watts)	0.291	1.775	14.241	42.943	50.803	47.977	9.728	3.207

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)	65.300	82.000	68.100	72.000	52.100	54.800	45.900	46.700
Transmitting ERP (watts)	131.978	37.385	27.253	10.383	15.864	101.405	199.819	210.869

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	36-33-30.0 N	088-35-22.0 W	172.2	98.7	1041880

Address: 2539 State Rte 94E (100720)
City: Sedalia **County:** GRAVES **State:** KY **Construction Deadline:** 10-17-2014

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)	88.800	79.000	80.100	102.800	107.300	113.300	86.100	90.300
Transmitting ERP (watts)	118.798	346.026	241.383	25.538	2.032	0.686	0.737	10.121

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	36-33-30.0 N	088-35-22.0 W	172.2	98.7	1041880

Address: 2539 State Rte 94E (100720)

City: Sedalia **County:** GRAVES **State:** KY **Construction Deadline:** 10-17-2014

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)	88.800	79.000	80.100	102.800	107.300	113.300	86.100	90.300
Transmitting ERP (watts)	0.101	0.148	0.723	2.670	2.039	2.501	0.544	0.100

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)	88.800	79.000	80.100	102.800	107.300	113.300	86.100	90.300
Transmitting ERP (watts)	39.858	3.632	0.525	0.681	3.083	30.083	155.327	190.084

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)	88.800	79.000	80.100	102.800	107.300	113.300	86.100	90.300
Transmitting ERP (watts)	116.175	337.516	238.141	25.039	2.002	0.669	0.719	9.904

Antenna: 7

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	88.800	79.000	80.100	102.800	107.300	113.300	86.100	90.300
Transmitting ERP (watts)	0.100	0.100	0.108	1.032	1.990	0.939	0.099	0.100

Antenna: 8

Maximum Transmitting ERP in Watts: 140.820								
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	88.800	79.000	80.100	102.800	107.300	113.300	86.100	90.300
Transmitting ERP (watts)	39.129	3.555	0.510	0.662	3.020	29.428	154.053	187.149

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
30	36-38-26.2 N	088-16-00.1 W	165.8	90.8	1030663

Address: 1431 Van Cleave Road

City: MURRAY **County:** CALLOWAY **State:** KY **Construction Deadline:** 03-19-2014

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)	95.400	94.000	102.000	97.700	75.000	79.400	73.500	84.000
Transmitting ERP (watts)	99.973	347.694	284.408	49.684	2.009	0.693	0.722	6.047

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)	95.400	94.000	102.000	97.700	75.000	79.400	73.500	84.000
Transmitting ERP (watts)	0.658	0.593	9.481	98.900	202.269	103.412	11.469	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)	95.400	94.000	102.000	97.700	75.000	79.400	73.500	84.000
Transmitting ERP (watts)	102.904	5.789	0.721	0.870	2.492	44.530	280.630	358.642

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	37-01-59.2 N	088-32-46.3 W	104.9	60.7	

Address: 311 PUGH ROAD (82847)
City: PADUCAH **County:** MCCRACKEN **State:** KY **Construction Deadline:** 10-17-2014

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)	56.200	65.400	62.700	44.400	60.400	47.900	41.900	64.900
Transmitting ERP (watts)	138.239	395.682	273.086	31.636	2.365	0.791	0.870	14.102

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)	56.200	65.400	62.700	44.400	60.400	47.900	41.900	64.900
Transmitting ERP (watts)	0.870	0.945	31.495	230.326	421.829	159.645	11.045	1.137

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)	56.200	65.400	62.700	44.400	60.400	47.900	41.900	64.900
Transmitting ERP (watts)	1.780	0.299	0.112	0.233	0.252	1.208	2.817	2.371

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
32	36-59-09.8 N	088-21-18.6 W	108.2	95.4	1222232

Address: 1285 US HIGHWAY 95 (93609)
City: CALVERT CITY **County:** MARSHALL **State:** KY **Construction Deadline:** 10-17-2014

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)	57.000	62.900	62.000	50.300	45.400	47.200	53.800	67.500
Transmitting ERP (watts)	114.888	331.792	230.236	24.563	1.953	0.671	0.707	9.579

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)	57.000	62.900	62.000	50.300	45.400	47.200	53.800	67.500
Transmitting ERP (watts)	0.719	1.299	23.038	188.836	348.890	135.248	7.214	1.404

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)	57.000	62.900	62.000	50.300	45.400	47.200	53.800	67.500
Transmitting ERP (watts)	38.772	3.498	0.494	0.647	2.930	29.401	150.126	182.816

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-03-27.6 N	088-39-35.9 W	126.5	56.4	1261390

Address: 4147 Alben Barkley Drive (99179)
City: Paducah **County:** MCCRACKEN **State:** KY **Construction Deadline:** 10-17-2014

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)	75.600	77.100	83.500	78.100	49.200	54.800	60.700	73.700
Transmitting ERP (watts)	63.658	183.190	130.542	23.950	3.395	0.525	0.398	6.814

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)	75.600	77.100	83.500	78.100	49.200	54.800	60.700	73.700
Transmitting ERP (watts)	0.323	0.908	12.412	76.128	155.305	62.287	7.839	1.323

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)	75.600	77.100	83.500	78.100	49.200	54.800	60.700	73.700
Transmitting ERP (watts)	47.164	5.084	1.161	0.385	3.481	30.943	146.763	183.338

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
34	36-36-12.1 N	089-01-51.1 W	101.2	60.7	

Address: 5151 State Route 1529 (115776)
City: Clinton **County:** HICKMAN **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.300	37.600	51.800	46.600	43.300	54.500	71.100	62.300
Transmitting ERP (watts)	278.250	103.782	10.449	2.715	0.593	0.966	15.867	122.648

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.300	37.600	51.800	46.600	43.300	54.500	71.100	62.300
Transmitting ERP (watts)	7.844	85.062	223.646	261.822	111.972	23.150	11.903	4.338

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	52.300	37.600	51.800	46.600	43.300	54.500	71.100	62.300
Transmitting ERP (watts)	30.528	12.489	16.284	37.081	166.124	217.556	229.754	89.752

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNKN830 **File Number:** **Print Date:**

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	37-00-56.6 N	088-43-49.8 W	143.3	71.6	1261050

Address: 2136 Mayfield Metropolis Road (109666)

City: Paducah **County:** MCCRACKEN **State:** KY **Construction Deadline:** 10-17-2014

Antenna: 1

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.700	96.700	95.000	75.800	73.800	88.800	68.000	82.900
Transmitting ERP (watts)	156.876	63.244	5.131	0.692	0.325	0.405	10.985	82.231

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.700	96.700	95.000	75.800	73.800	88.800	68.000	82.900
Transmitting ERP (watts)	3.414	33.471	169.860	202.694	40.839	2.592	0.626	0.446

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.700	96.700	95.000	75.800	73.800	88.800	68.000	82.900
Transmitting ERP (watts)	1.525	0.525	0.550	7.646	91.503	257.113	180.615	19.227

Control Points:

Control Pt. No. 1

Address: 1650 Lyndon Farms Court

City: LOUISVILLE **County:** **State:** KY **Telephone Number:** (502)332-4700

Waivers/Conditions:

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).

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).

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
KNLH653	
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
04-11-2017	08-31-2018	04-28-2027	

Market Number	Channel Block	Sub-Market Designator
BTA339	F	0

Market Name
Paducah-Murray-Mayfield, KY

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

Waivers/Conditions:

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

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: KNLH653 **File Number:** **Print Date:**

Grant conditioned upon consummation of the assignment of license to Banana Communications, LLC within 180 days of June 9, 2008, per Memorandum Opinion and Order, DA 08-1380, released June 9, 2008.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLH653 **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
WPSJ971	
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date	Effective Date	Expiration Date	Print Date
06-03-2011	08-31-2018	05-29-2021	

Market Number	Channel Block	Sub-Market Designator
BTA339	C	1

Market Name
Paducah-Murray-Mayfield, KY

1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date
05-29-2006			

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: WPSJ971 **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
WQGD472	
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
CMA443	A	0

Market Name
Kentucky 1 - Fulton

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

Waivers/Conditions:

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

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

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGD472 **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
WQGD606	
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	02-20-2019	12-18-2021	

Market Number	Channel Block	Sub-Market Designator
BEA072	C	0

Market Name
Paducah, KY-IL

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

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGD606 **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

VICINITY MAP

CONTRACTOR NOTES:

IF INADVERTENT DISCOVERIES OF NATIVE AMERICAN CULTURAL MATERIALS OR HUMAN REMAINS ARE MADE DURING CONSTRUCTION, ALL WORK SHOULD CEASE AND POTENTIALLY AFFECTED TRIBES, AS WELL AS THE STATE HISTORIC PRESERVATION OFFICE SHOULD BE NOTIFIED IMMEDIATELY.

SHEET INDEX

SHEET	DESCRIPTION	REV.	REV. DATE
T-1	TITLE SHEET	0	07/30/2020
1	SITE SURVEY		
2	SITE SURVEY		
M-1	500' RADIUS AND ABUTTERS MAP	0	07/30/2020
C-1	OVERALL SITE LAYOUT	0	07/30/2020
C-2	COMPOUND LAYOUT	0	07/30/2020
C-3	TOWER ELEVATION	0	07/30/2020

DIRECTIONS

FROM AT&T MTSO: 4510 OHARA DRIVE, EVANSVILLE, IN 47711

TAKE N US-41 S TO PENNYRILE PKWY IN HENDERSON 15.1 MI, HEAD NORTHEAST ON OHARA DR TOWARD SPORTSPLEX BL 0.1 MI, TURN LEFT ONTO BERGDOLT RD 0.4 MI, TURN LEFT ONTO HITCH AND PETERS RD 0.5 MI, TURN RIGHT ONTO LYNCH RD 0.6 MI, USE ANY LANE TO TURN LEFT ONTO US-41 S 0.5 MI, TAKE THE EXIT TOWARD IN-66 W/DIAMOND AVE 0.2 MI, TURN LEFT ONTO N US-41 S ENTERING KENTUCKY 10.4 MI, KEEP LEFT TO CONTINUE ON US-41 S 2.4 MI, FOLLOW I-69 AND I-24 W TO US-68 IN MARSHALL COUNTY. TAKE EXIT 47 FROM I-69 103 MI, KEEP LEFT TO CONTINUE ON PENNYRILE PKWY, FOLLOW SIGNS FOR OWENSBORO 1.1 MI, CONTINUE ONTO I-69/PENNYRILE PKWY 42.6 MI, KEEP RIGHT AT THE FORK TO STAY ON I-69, FOLLOW SIGNS FOR PADUCAH 38.4 MI, TAKE EXIT 68B FOR INTERSTATE 24 W TOWARD PADUCAH 0.3 MI, MERGE ONTO I-24 W/I-69 S 15.9 MI, USE THE LEFT LANE TO MERGE ONTO I-69 4.6 MI, TAKE EXIT 47 FOR US-68 TOWARD DRAFFENVILLE/AURORA 0.2 MI, FOLLOW US-68 AND STATE HWY 963 TO STEAMBOAT RD 8.5 MI, TURN LEFT ONTO US-68 0.7 MI, CONTINUE STRAIGHT TO STAY ON US-68 3.4 MI, TURN LEFT ONTO STATE HWY 963 3.7 MI, TURN LEFT TO STAY ON STATE HWY 963 0.6 MI, CONTINUE STRAIGHT ONTO STEAMBOAT RD DESTINATION WILL BE ON THE RIGHT.

FROM COUNTY SEAT: 80 JUDICIAL DR, BENTON, KY 42025

HEAD SOUTHEAST ON W 5TH ST TOWARD COMMERCE BLVD 0.4 MI, TURN LEFT ONTO US-641 N/MAIN ST CONTINUE TO FOLLOW US-641 N 2.6 MI, TURN RIGHT ONTO KY-58 E 1.3 MI, TURN RIGHT ONTO US-68 1.6 MI, TURN LEFT ONTO STATE HWY 963 3.7 MI, TURN LEFT TO STAY ON STATE HWY 963 0.6 MI, CONTINUE STRAIGHT ONTO STEAMBOAT RD DESTINATION WILL BE ON THE RIGHT.

DRAFTER NAME: CONNOR SHEEHAN PHONE: 919-674-5879

NSB - RAWLAND ZONING DRAWINGS

at&t

FA #:

13356835

SITE NAME:

MOORS CAMP

SITE ADDRESS:

STEAMBOAT ROAD
GILBERYSVILLE, KY 42044
(MARSHALL COUNTY)

GENERAL NOTES

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

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, THEREFORE HANDICAP ACCESS IS NOT REQUIRED. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED. NO WORK SHALL COMMENCE WITHOUT THE APPROVED TOWER/ANTENNA MOUNT STRUCTURAL ANALYSIS REPORT SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER UNDER SEPARATE COVER.

CODE COMPLIANCE

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

- AMERICAN CONCRETE INSTITUTE 318
- AMERICAN INSTITUTE OF STEEL CONSTRICTION MANUAL OF STEEL CONSTRUCTION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION TIA-222
- STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND SUPPORTING STRUCTURES TIA-601
- COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS IEEE-81, IEEE 1100, IEEE C62.41
- ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION
- 2018 KBC
- 2014 NEC

LOCAL MAP

SCOPE OF WORK:

ZONING DRAWINGS FOR:
CONSTRUCTION OF A NEW UNMANNED TELECOMMUNICATIONS FACILITY.

SITE WORK: NEW TOWER,
UNMANNED WALK IN CABINET ON A 10'-0"X17'-0" PLATFORM,
GENERATOR ON A 10'-0"X17'-0" PLATFORM, AND UTILITY INSTALLATIONS.

CONTACT INFORMATION

FIRE DEPARTMENT:	EAST MARSHAL FIRE DEPARTMENT PHONE: (270) 527-4750
POLICE DEPARTMENT:	MARSHAL COUNTY SHERIFFS OFFICE PHONE: (270) 527-311

SITE SUMMARY

SCOPE TYPE:	RAW-LAND
OCCUPANCY TYPE:	TELECOMMUNICATIONS
STRUCTURE HEIGHT:	255'
OVERALL HEIGHT:	270'
STRUCTURE TYPE:	SELF-SUPPORT
LATITUDE:	36° 55' 54.78" N (36.931883)
LONGITUDE:	-88° 14' 56.76" W (-88.249100)
JURISDICTION:	KENTUCKY PUBLIC SERVICE COMMISSION
COUNTY:	MARSHALL
POWER COMPANY:	WEST KENTUCKY RURAL ELECTRIC
TELCO COMPANY:	AT&T

PROJECT DIRECTORY

APPLICANT:	NEW CINGULAR WIRELESS PCS, LLC A DELAWARE LIMITED LIABILITY COMPANY, D/B/A AT&T MOBILITY 462 S. 4TH STREET, SUITE 2400 LOUISVILLE, KY 40202
PROJECT MANAGER:	MASTEC NETWORK SOLUTIONS 1975 JOE B JACKSON PARKWAY MURFREESBORO, TN 371127 CODY KNOX PHONE: (318) 355-6599
SITE DESIGN:	MASTEC ENGINEERING, PLLC 507 AIRPORT BLVD, SUITE 111 MORRISVILLE, NC 27560 CONTACT: RAPHAEL MOHAMED PHONE: (919) 674-5895

Raphael Mohamed

STATE OF KENTUCKY RAPHAEL MOHAMED 24429 LICENSED PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
07/30/2020	CONSTRUCTION	0	RM

DRAWN BY:	CTS
CHECKED BY:	CZB
APPV'D BY:	RM
MNS PROJECT NO:	21364

PREPARED FOR:

at&t

PREPARED BY:

MasTec Network Solutions
507 AIRPORT BLVD, SUITE 111
MORRISVILLE, NC 27560

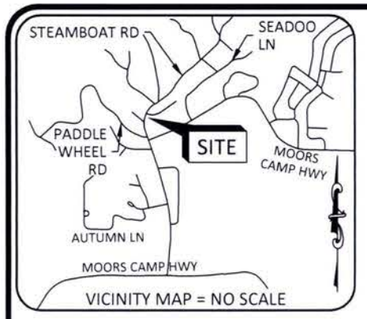
SITE NAME:
MOORS CAMP

FA LOCATION:
13356835

SITE ADDRESS:
STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1



VICINITY MAP = NO SCALE

FAA COORDINATE POINT
NAD 83
LATITUDE: 36°55'54.779598"
LONGITUDE: -88°14'56.760914"
NAVD 88
ELEVATION: 435'± AMSL
NORTHING: 3,508,563.036
EASTING: 4,190,839.420

TEMPORARY BENCHMARK
NORTHING: 3,508,688.848
EASTING: 4,190,829.374
ELEVATION: 437.07'
LOCATION: A SET 60-D NAIL BEING N05°48'E 85.22± FROM THE NORTHWEST CORNER OF THE PROPOSED LEASE AREA.

GLOBAL POSITIONING SYSTEMS NOTE

1. THE BOUNDARY CORNERS AND A PORTION OF THE TOPOGRAPHY WAS LOCATED USING GPS.
2. THE TYPE OF GPS UTILIZED WAS NETWORK ADJUSTED REAL TIME KINEMATIC (KDOT VRS NETWORK), NAD 83 KENTUCKY SINGLE ZONE WITH THE ORTHOMETRIC HEIGHT COMPUTED USING GEOID12A. RELATIVE POSITIONAL ACCURACY VARIED FROM 0.04' TO 0.08' HORIZONTALLY.
3. SPECTRA PRECISION EPOCH 50 DUAL FREQUENCY RECEIVERS WERE USED TO PERFORM THE SURVEY.

GENERAL NOTES

NO SEARCH OF PUBLIC RECORDS HAS BEEN COMPLETED BY POD GROUP TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE SUBJECT PROPERTY.

THIS SURVEY IS FOR THE PROPOSED LEASE AREA, THE PROPOSED ACCESS & UTILITY EASEMENT AND THE PROPOSED UTILITY EASEMENT ONLY, AND ONLY A PARTIAL BOUNDARY SURVEY OF THE PARENT TRACT HAS BEEN PERFORMED.

A PORTION OF THIS SURVEY WAS CONDUCTED BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. UNADJUSTED CLOSURE EQUALS 0.05', FOR A PRECISION OF 1:27,242 AND HAS NOT BEEN ADJUSTED.

THIS PROPERTY IS SUBJECT TO ANY RECORDED EASEMENTS AND/OR RIGHTS OF WAY SHOWN HEREON OR NOT.

THIS PLAT IS NOT INTENDED FOR LAND TRANSFER.

THE PARENT PARCEL, THE PROPOSED LEASE AREA, THE PROPOSED ACCESS & UTILITY EASEMENT AND THE PROPOSED UTILITY EASEMENT SHOWN HEREON ARE NOT LOCATED IN A 100-YEAR FLOOD PLAIN (ZONE X) PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NUMBER 21157C0115E, DATED JUNE 2, 2011.

LEGEND

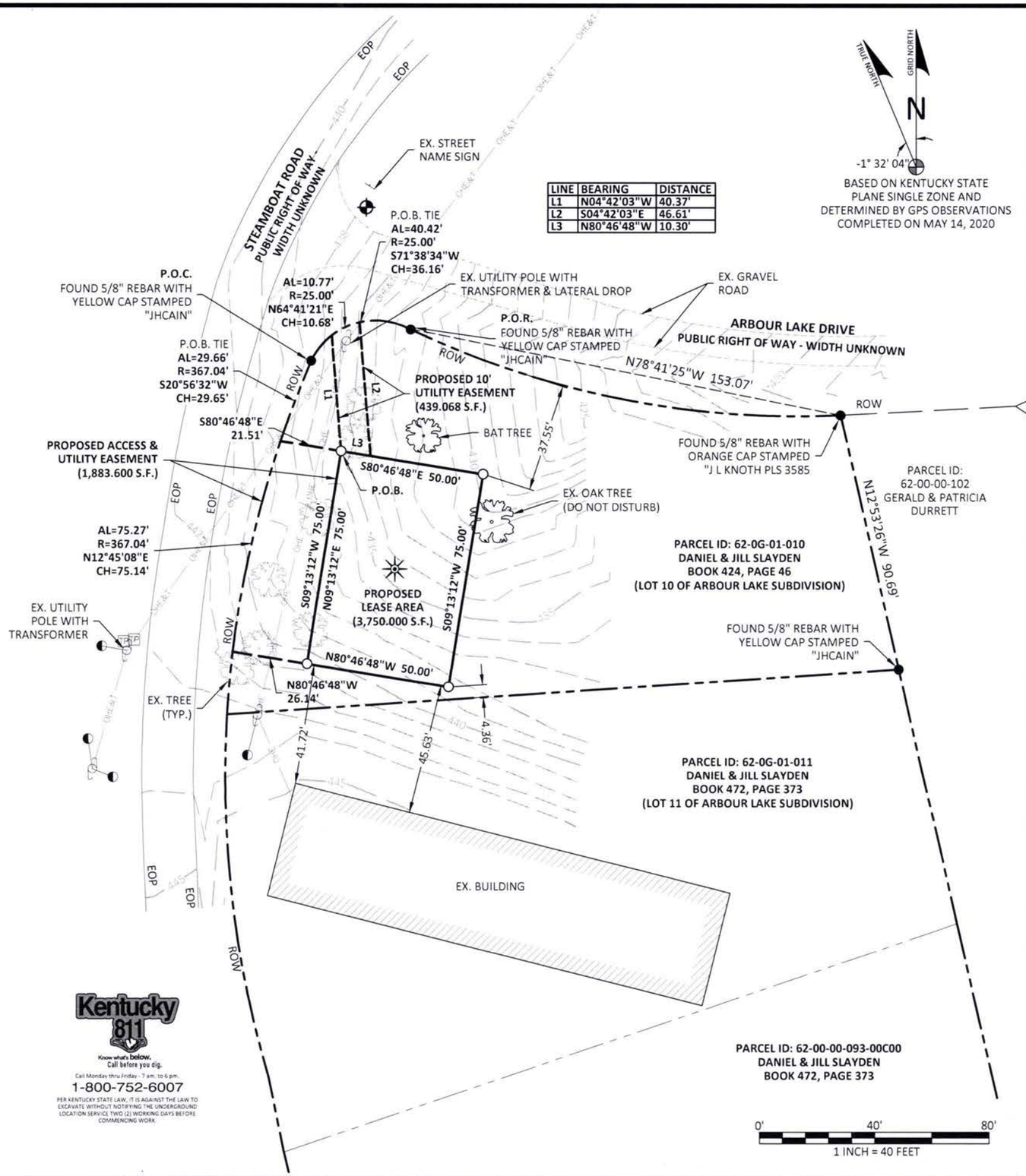
	UTILITY POLE	ROW	RIGHT OF WAY
	GUY ANCHOR	P.O.C.	POINT OF COMMENCEMENT
TP	TELEPHONE PEDESTAL	P.O.R.	POINT OF REFERENCE
EOP	EDGE OF PAVEMENT	P.O.B.	POINT OF BEGINNING
OHE&T		EX. OVERHEAD ELECTRIC & TELEPHONE	
OHE		EX. OVERHEAD ELECTRIC	
		SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136"	
		FOUND MONUMENT AS NOTED	
		PROPERTY LINE	
		ADJACENT PROPERTY LINE	

LAND SURVEYOR'S CERTIFICATE

I, MARK E. PATTERSON, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF KENTUCKY. I FURTHER CERTIFY THAT THIS PLAT AND THE SURVEY ON THE GROUND WERE PERFORMED BY PERSONS UNDER MY DIRECT SUPERVISION, AND THAT THE DIRECTIONAL AND LINEAR MEASUREMENTS BEING WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. THE "RURAL" SURVEY, AND THE PLAT ON WHICH IT IS BASED, MEETS ALL SPECIFICATIONS AS STATED IN KAR 201 18:150.

STATE OF KENTUCKY
MARK E. PATTERSON
3136
LICENSED PROFESSIONAL LAND SURVEYOR

Mark Patterson 07/02/2020
MARK PATTERSON, PLS #3136 DATE



LINE	BEARING	DISTANCE
L1	N04°42'03"W	40.37'
L2	S04°42'03"E	46.61'
L3	N80°46'48"W	10.30'

BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON MAY 14, 2020

Kentucky 811
Know what's below. Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

PREPARED BY:
POD POWER OF DESIGN
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
502-437-5252

PREPARED FOR:
MasTec

PREPARED FOR:
at&t

SITE SURVEY

REV.	DATE	DESCRIPTION
A	5.20.20	PRELIM ISSUE WITH TITLE
0	7.2.20	ISSUED AS FINAL

SITE INFORMATION:
MOORS CAMP
STEAMBOAT ROAD
GILBERTSVILLE, KY 42044
MARSHALL COUNTY

TAX PARCEL NUMBER:
62-0G-01-010

PROPERTY OWNER:
DANIEL & JILL SLAYDEN
165 US HIGHWAY 68E
BENTON, KY 42025

SOURCE OF TITLE:
DEED BOOK 424, PAGE 46

SITE NUMBER:

POD NUMBER:	20-63771
DRAWN BY:	JRS
CHECKED BY:	MEP
SURVEY DATE:	5.14.20
PLAT DATE:	5.20.20

SHEET TITLE:
SITE SURVEY
THIS DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL

SHEET NUMBER: (2 pages)
B-1

LEGAL DESCRIPTIONS

PROPOSED LEASE AREA

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED LEASE AREA TO BE LEASED FROM THE PROPERTY CONVEYED TO DANIEL & JILL SLAYDEN AS RECORDED IN THE OFFICE OF THE CLERK OF MARSHALL COUNTY, KENTUCKY AS BOOK 424, PAGE 46, PARCEL ID: 62-0G-01-010, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON MAY 14, 2020.

COMMENCING AT A FOUND 5/8" REBAR WITH A YELLOW CAP STAMPED "JH CAIN" IN THE NORTHWEST CORNER OF THE PROPERTY CONVEYED TO DANIEL & JILL SLAYDEN AS RECORDED IN BOOK 424, PAGE 46, PARCEL ID: 62-0G-01-010 AND BEING IN THE EAST RIGHT OF WAY LINE OF STEAMBOAT ROAD; FOR REFERENCE, SAID REBAR IS ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 25.00', ARC LENGTH OF 40.42', THE CHORD OF WHICH BEARS S71°38'34"W 36.16' FROM A FOUND 5/8" REBAR WITH A YELLOW CAP STAMPED "JH CAIN" IN THE SOUTH RIGHT OF WAY LINE OF ARBOUR LAKE DRIVE AND BEING A CORNER OF SAID SLAYDEN PROPERTY, PARCEL ID: 62-0G-01-010; THENCE WITH SAID EAST RIGHT OF WAY LINE OF STEAMBOAT ROAD ALONG THE ARC OF A COMPOUND CURVE TO THE LEFT HAVING A RADIUS OF 367.04', ARC LENGTH OF 29.66', THE CHORD OF WHICH BEARS S20°56'32"W 29.65'; THENCE LEAVING SAID RIGHT OF WAY OF STEAMBOAT ROAD S80°46'48"E 21.51' TO A SET 1/2" REBAR, 18" LONG, CAPPED "PATTERSON PLS 3136", HEREAFTER REFERRED TO AS A "SET IPC" AT THE NORTHWEST CORNER OF THE PROPOSED LEASE AREA AND BEING **THE TRUE POINT OF BEGINNING;** THENCE S80°46'48"E 50.00' TO A SET IPC; THENCE S09°13'12"W 75.00' TO A SET IPC; THENCE N80°46'48"W 50.00' TO A SET IPC; THENCE N09°13'12"E 75.00' TO THE POINT OF BEGINNING CONTAINING 3,750.000 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MAY 14, 2020.

PROPOSED ACCESS & UTILITY EASEMENT

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED ACCESS & UTILITY EASEMENT TO BE GRANTED FROM THE PROPERTY CONVEYED TO DANIEL & JILL SLAYDEN AS RECORDED IN THE OFFICE OF THE CLERK OF MARSHALL COUNTY, KENTUCKY AS BOOK 424, PAGE 46, PARCEL ID: 62-0G-01-010, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON MAY 14, 2020.

COMMENCING AT A FOUND 5/8" REBAR WITH A YELLOW CAP STAMPED "JH CAIN" IN THE NORTHWEST CORNER OF THE PROPERTY CONVEYED TO DANIEL & JILL SLAYDEN AS RECORDED IN BOOK 424, PAGE 46, PARCEL ID: 62-0G-01-010 AND BEING IN THE EAST RIGHT OF WAY LINE OF STEAMBOAT ROAD; FOR REFERENCE, SAID REBAR IS ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 25.00', ARC LENGTH OF 40.42', THE CHORD OF WHICH BEARS S71°38'34"W 36.16' FROM A FOUND 5/8" REBAR WITH A YELLOW CAP STAMPED "JH CAIN" IN THE SOUTH RIGHT OF WAY LINE OF ARBOUR LAKE DRIVE AND BEING A CORNER OF SAID SLAYDEN PROPERTY, PARCEL ID: 62-0G-01-010; THENCE WITH SAID EAST RIGHT OF WAY LINE OF STEAMBOAT ROAD ALONG THE ARC OF A COMPOUND CURVE TO THE LEFT HAVING A RADIUS OF 367.04', ARC LENGTH OF 29.66', THE CHORD OF WHICH BEARS S20°56'32"W 29.65'; THENCE LEAVING SAID RIGHT OF WAY OF STEAMBOAT ROAD S80°46'48"E 21.51' TO A SET 1/2" REBAR, 18" LONG, CAPPED "PATTERSON PLS 3136", HEREAFTER REFERRED TO AS A "SET IPC" AT THE NORTHWEST CORNER OF THE PROPOSED LEASE AREA AND BEING **THE TRUE POINT OF BEGINNING;** THENCE S09°13'12"W 75.00' TO A SET IPC IN THE SOUTHWEST CORNER OF SAID PROPOSED LEASE AREA; THENCE N80°46'48"W 26.14' TO THE EAST RIGHT OF WAY OF STEAMBOAT ROAD; THENCE WITH SAID EAST RIGHT OF WAY OF STEAMBOAT ROAD ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 367.04', ARC LENGTH OF 75.27', THE CHORD OF WHICH BEARS N12°45'08"E 75.14'; THENCE LEAVING SAID RIGHT OF WAY OF STEAMBOAT ROAD S80°46'48"E 21.51' TO THE POINT OF BEGINNING CONTAINING 1,883.600 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MAY 14, 2020.

PROPOSED 10' UTILITY EASEMENT

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED 10' UTILITY EASEMENT TO BE GRANTED FROM THE PROPERTY CONVEYED TO DANIEL & JILL SLAYDEN AS RECORDED IN THE OFFICE OF THE CLERK OF MARSHALL COUNTY, KENTUCKY AS BOOK 424, PAGE 46, PARCEL ID: 62-0G-01-010, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON MAY 14, 2020.

COMMENCING AT A FOUND 5/8" REBAR WITH A YELLOW CAP STAMPED "JH CAIN" IN THE NORTHWEST CORNER OF THE PROPERTY CONVEYED TO DANIEL & JILL SLAYDEN AS RECORDED IN BOOK 424, PAGE 46, PARCEL ID: 62-0G-01-010 AND BEING IN THE EAST RIGHT OF WAY LINE OF STEAMBOAT ROAD; FOR REFERENCE, SAID REBAR IS ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 25.00', ARC LENGTH OF 40.42', THE CHORD OF WHICH BEARS S71°38'34"W 36.16' FROM A FOUND 5/8" REBAR WITH A YELLOW CAP STAMPED "JH CAIN" IN THE SOUTH RIGHT OF WAY LINE OF ARBOUR LAKE DRIVE AND BEING A CORNER OF SAID SLAYDEN PROPERTY, PARCEL ID: 62-0G-01-010; THENCE WITH SAID EAST RIGHT OF WAY LINE OF STEAMBOAT ROAD ALONG THE ARC OF A COMPOUND CURVE TO THE LEFT HAVING A RADIUS OF 367.04', ARC LENGTH OF 29.66', THE CHORD OF WHICH BEARS S20°56'32"W 29.65'; THENCE LEAVING SAID RIGHT OF WAY OF STEAMBOAT ROAD S80°46'48"E 21.51' TO A SET 1/2" REBAR, 18" LONG, CAPPED "PATTERSON PLS 3136", HEREAFTER REFERRED TO AS A "SET IPC" AT THE NORTHWEST CORNER OF THE PROPOSED LEASE AREA AND BEING **THE TRUE POINT OF BEGINNING**; THENCE N04°42'03"W 40.37' TO THE APPROXIMATE INTERSECTION OF THE RIGHT OF WAYS OF STEAMBOAT ROAD & ARBOUR LAKE DRIVE; THENCE WITH RIGHT OF WAY ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00', ARC LENGTH OF 10.77', THE CHORD OF WHICH BEARS N64°41'21"E 10.68'; THENCE LEAVING SAID RIGHT OF WAY S04°42'03"E 46.61'; THENCE N80°46'48"W 10.30' TO THE POINT OF BEGINNING CONTAINING 439.068 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MAY 14, 2020.

PARENT PARCEL, LEGAL DESCRIPTION, (NOT FIELD SURVEYED)

LOT 10 OF PHASE 1, ARBOUR LAKE SUBDIVISION, MORE PARTICULARY DESCRIBED ON SLIDE 658, MARSHALL COUNTY COURT CLERK'S OFFICE. LOT 10 & 11 ARE SPECIFICALLY EXCLUDED FROM THE RESTRICTIONS RECORDED IN MISCELLANEOUS BOOK 53, PAGE 431, MARSHALL COUNTY COURT CLERK'S OFFICE, AND THE EASEMENTS AND SET BACK LINES AS CONTAINED ON THE ABOVE REFERENCED PLAT.

REPORT OF TITLE - PARCEL 62-0G-01-010 - DEED BOOK 424, PAGE 46

THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY POD GROUP, LLC. AND AS SUCH WE ARE NOT RESPONSIBLE FOR THE INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, UNRECORDED EASEMENTS, AUGMENTING EASEMENTS, IMPLIED OR PRESCRIPTIVE EASEMENTS, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE AND THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY US TITLE SOLUTIONS, FOR THE BENEFIT OF MASTEC NETWORK SOLUTIONS, ON BEHALF OF AT&T, FILE NO. 65204-KY2003-5030, REFERENCE NO. 13356835-BACKUP, ISSUE DATE OF MARCH 27, 2020. THE FOLLOWING COMMENTS ARE IN REGARD TO SAID REPORT.

SCHEDULE B

1. TAXES, TAX LIENS, TAX SALES, WATER RATES, SEWER AND ASSESSMENTS SET FORTH IN SCHEDULE HEREIN. TAX ID :62-0G-01-010-G2-0G01-00 - PERIOD :2019 - PAYMENT STATUS: PAID - TAX AMOUNT : $215.40 (NOT A SURVEY MATTER, THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

2. MORTGAGES RETURNED HEREIN. (-2-)

   2.1. MORTGAGE MADE BY DANIEL G. SLAYDEN A/K/A DANIEL SLAYDEN AND JILL H. SLAYDEN A/K/A JILL SLAYDEN TO COMMUNITY FINANCIAL SERVICES BANK IN THE SUM OF $90,000.00 DATED AS OF 10/30/2013 RECORDED 11/5/2013 IN BOOK 785 PAGE 67. (MORTGAGE AS RECORDED IN BOOK 785, PAGE 67, DOES AFFECT THE PARENT PARCEL, THE PROPOSED LEASE AREA, THE PROPOSED ACCESS & UTILITY EASEMENT AND THE PROPOSED UTILITY EASEMENT.)

   2.2. MORTGAGE MADE BY DANIEL G. SLAYDEN AND WIFE, JILL SLAYDEN TO FIRST KENTUCKY BANK, INC. IN THE SUM OF $116,673.00 DATED AS OF 10/3/2019 RECORDED 10/17/2019 IN BOOK 917 PAGE 455 . (MORTGAGE AS RECORDED IN BOOK 917, PAGE 455, DOES AFFECT THE PARENT PARCEL, THE PROPOSED LEASE AREA, THE PROPOSED ACCESS & UTILITY EASEMENT AND THE PROPOSED UTILITY EASEMENT.)

3. ANY STATE OF FACTS WHICH AN ACCURATE SURVEY MIGHT SHOW OR SURVEY EXCEPTIONS SET FORTH HEREIN. (POD GROUP, LLC DID NOT PERFORM A BOUNDARY SURVEY, THEREFORE WE DID NOT ADDRESS THIS ITEM.)

4. RIGHTS OF TENANTS OR PERSON IN POSSESSION. (NOT A SURVEY MATTER, THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)

(JUDGMENTS, LIENS AND UCC)

5. NONE WITHIN PERIOD SEARCHED

(COVENANTS/RESTRICTIONS)

6. NONE WITHIN PERIOD SEARCHED

(EASEMENTS AND RIGHTS OF WAY)

7. NONE WITHIN PERIOD SEARCHED

(OTHER FILED DOCUMENTS)

8. ARBOUR LAKE PHASE 1 DATED 2/10/1994 RECORDED 2/11/1994 IN INSTRUMENT NO. 658. (ARBOUR LAKE PHASE 1 AS RECORDED IN INSTRUMENT NO. 658 DOES AFFECT THE PARENT PARCEL, THE PROPOSED LEASE AREA, THE PROPOSED ACCESS & UTILITY EASEMENT AND THE PROPOSED UTILITY EASEMENT)

STATE OF KENTUCKY
MARK E. PATTERSON
3136
LICENSED PROFESSIONAL
LAND SURVEYOR

LAND SURVEYOR'S CERTIFICATE

I, MARK E. PATTERSON, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF KENTUCKY. I FURTHER CERTIFY THAT THIS PLAT AND THE SURVEY ON THE GROUND WERE PERFORMED BY PERSONS UNDER MY DIRECT SUPERVISION, AND THAT THE DIRECTIONAL AND LINEAR MEASUREMENTS BEING WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. THE "RURAL" SURVEY, AND THE PLAT ON WHICH IT IS BASED, MEETS ALL SPECIFICATIONS AS STATED IN KAR 201 18:150.

07/02/2020

MARK PATTERSON, PLS #3136 — DATE

PREPARED BY:
POD
POWER OF DESIGN
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
502-437-5252

PREPARED FOR:
MasTec

PREPARED FOR:
at&t

SITE SURVEY

REV.	DATE	DESCRIPTION
A	5.20.20	PRELIM ISSUE WITH TITLE
0	7.2.20	ISSUED AS FINAL

SITE INFORMATION:

MOORS CAMP
STEAMBOAT ROAD
GILBERTSVILLE, KY 42044
MARSHALL COUNTY

TAX PARCEL NUMBER:
62-0G-01-010

PROPERTY OWNER:
DANIEL & JILL SLAYDEN
165 US HIGHWAY 68E
BENTON, KY 42025

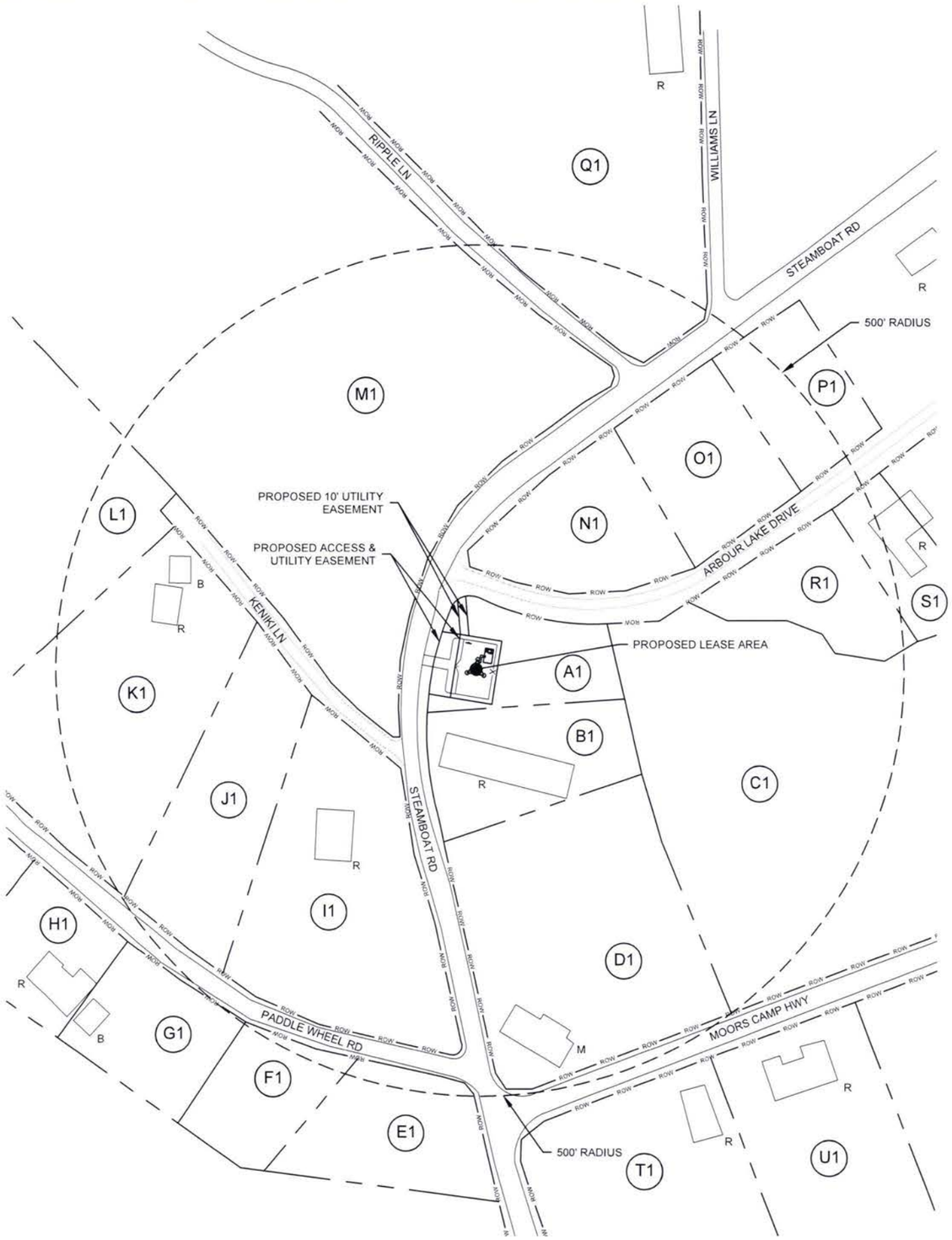
SOURCE OF TITLE:
DEED BOOK 424, PAGE 46

SITE NUMBER:

POD NUMBER:	20-63771
DRAWN BY:	JRS
CHECKED BY:	MEP
SURVEY DATE:	5.14.20
PLAT DATE:	5.20.20

SHEET TITLE:
SITE SURVEY
THIS DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL

SHEET NUMBER: (2 pages)
B-1.1



0 150' 300'

1"=150'-0"

500' RADIUS AND ABUTTERS MAP

11"x17" SCALE: 1"=150'-0"

GENERAL NOTES:

1. ALL INFORMATION SHOWN HERON WAS OBTAINED FROM THE INFORMATION DESCRIBED AND RECORDED FROM DEED BOOKS IN THE COUNTY CLERK'S OFFICE ON 07/14/20 AND RE-VERIFIED ON 07/30/20. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO THE COUNTY PROPERLY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANT ERRORS CONTAINED IN THEIR FILES.
2. THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY
3. NOT FOR RECORDING OR PROPERTY TRANSFER

A1	PARCEL ID: 62-0G-01-010. SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
B1	PARCEL ID: 62-0G-01-011. SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
C1	PARCEL ID: 62-00-00-102. DURRETT, GERALD D & PATRICIA 7004 RIVER RD PROSPECT, KY 40059
D1	PARCEL ID: 62-00-00-093.00C00 SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
E1	PARCEL ID: 62-0H-00-008. GORDON JAMIE WAYNE AND ANGELA LYNN 27 LILLIE LN GILBERTSVILLE, KY 42044
F1	PARCEL ID: 62-0H-00-007. FRANCES, D CRANE TRUST UTD 479 SHERWOOD DR GILBERTSVILLE, KY 42044
G1	PARCEL ID: 62-0H-00-006. SIVELLS, CHARLES & MICHELLE 115 PADDLE WHEEL RD GILBERTSVILLE, KY 42044
H1	PARCEL ID: 62-0H-00-005. SIVELLS, CHARLES & MICHELLE 115 PADDLE WHEEL RD GILBERTSVILLE, KY 42044
I1	PARCEL ID: 62-00-00-097.04 HUNTER, ADAM 69 STEAMBOAT RD GILBERTSVILLE, KY 42044
J1	PARCEL ID: 62-00-00-097.03 HUNTER, ADAM 69 STEAMBOAT RD GILBERTSVILLE, KY 42044
K1	PARCEL ID: 62-00-00-097.01 WARREN, PATRICK H & SUSAN M 71 KENIKI LN GILBERTSVILLE, KY 42044

L1	PARCEL ID: 62-00-00-097.02 DEFREITAS, BRETT & TERRI 3001 SR 1684 BOAZ, KY 42027
M1	PARCEL ID: 62-00-00-095. DOUGHTY ENTERPRISES LLC 601 JERICHO LN CALVERT CITY, KY 42029
N1	PARCEL ID: 62-0G-01-009. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
O1	PARCEL ID: 62-0G-01-008. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
P1	PARCEL ID: 62-0G-01-007. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
Q1	PARCEL ID: 62-00-00-094. MAXLOW AMANDA J 47 WILLIAMS LN GILBERTSVILLE, KY 42044
R1	PARCEL ID: 62-0G-01-015. HESS ROBERT MICHAEL AND PENELOPE 80 ARBOUR LAKE DR GILBERTSVILLE, KY 42044
S1	PARCEL ID: 62-0G-01-014. HESS ROBERT MICHAEL AND PENELOPE 80 ARBOUR LAKE DR GILBERTSVILLE, KY 42044
T1	PARCEL ID: 62-00-00-088. MARSTELLER SCOTT E AND DEBORAH 7041 MOORS CAMP HWY GILBERTSVILLE, KY 42044
U1	PARCEL ID: 62-00-00-087. MORRISON LINDA SUE 7015 MOORS CAMP HWY GILBERTSVILLE, KY 42044

EXISTING BUILDINGS
B=BARN
C=CHURCH
G=GARAGE
M=MARKET
R=RESIDENCE
S=SHED

STATE OF KENTUCKY
RAPHAEL MOHAMED
24429
LICENSED
PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
07/30/2020	CONSTRUCTION	0	RM

DRAWN BY:	CTS
CHECKED BY:	CZB
APPV'D BY:	RM
MNS PROJECT NO:	21364

PREPARED FOR:
at&t

PREPARED BY:
MasTec Network Solutions
507 AIRPORT BLVD, SUITE 111
MORRISVILLE, NC 27560

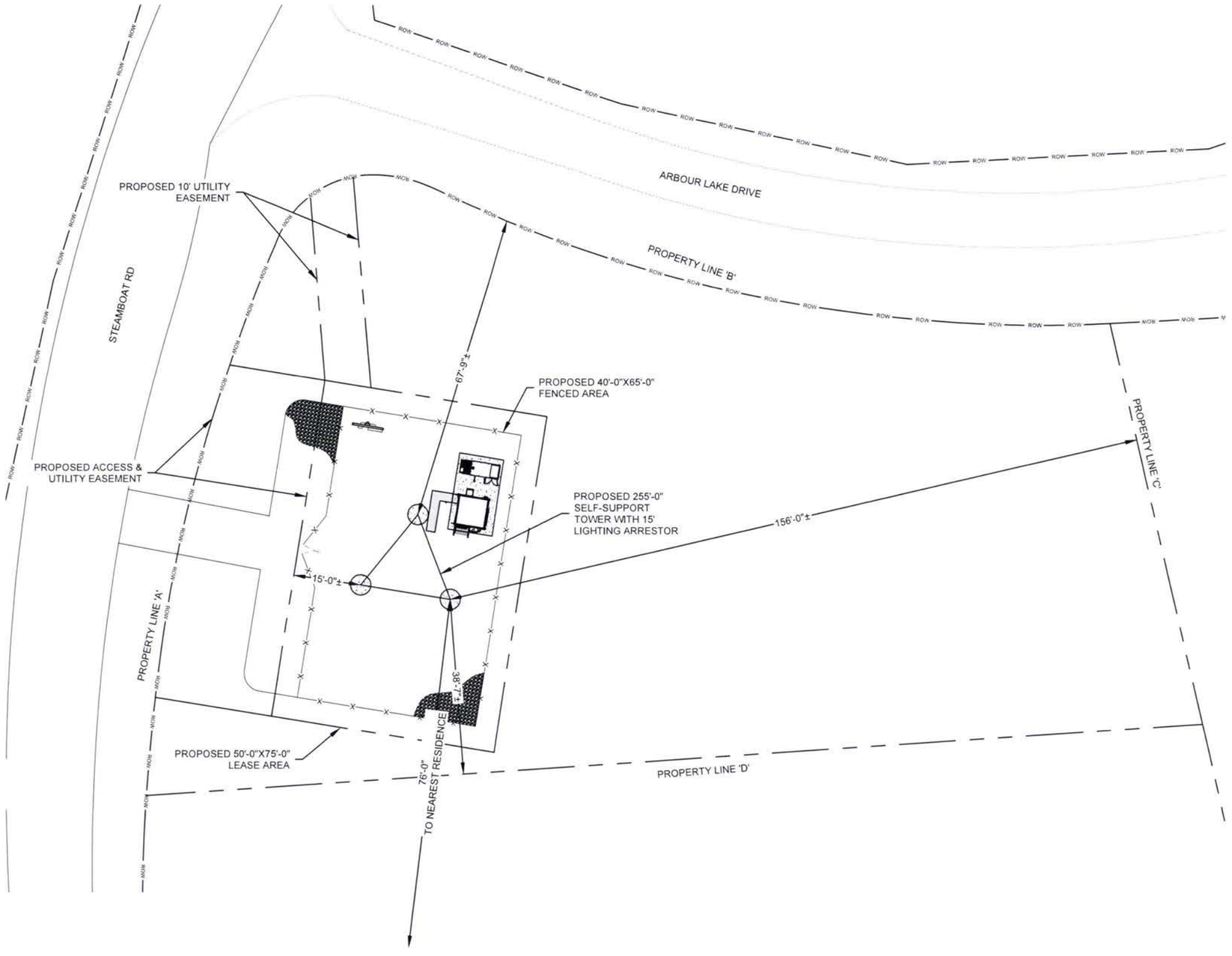
SITE NAME:
MOORS CAMP

FA LOCATION:
13356835

SITE ADDRESS:
STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE
500' RADIUS AND ABUTTERS MAP

SHEET NUMBER
M-1

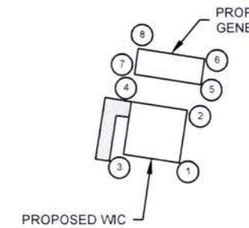


0 25' 50'

1"=25'-0"

OVERALL SITE LAYOUT

11"x17" SCALE: 1"=25'-0"



PROPERTY LINE	EQUIPMENT	DISTANCE
D	1	53'±
C	2	143'±
A	3	33'±
B	4	60'±
D	5	64'±
C	6	138'±
A	7	33'±
B	8	53'±

EQUIPMENT ENLARGMENT

NOT TO SCALE

STATE OF KENTUCKY
RAPHAEL MOHAMED
24429
LICENSED
PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
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CHECKED BY:	CZB
APP'D BY:	RM
MNS PROJECT NO:	21364

PREPARED FOR:

at&t

PREPARED BY:

MasTec Network Solutions

507 AIRPORT BLVD. SUITE 111
MORRISVILLE, NC 27560

SITE NAME:

MOORS CAMP

FA LOCATION:

13356835

SITE ADDRESS:

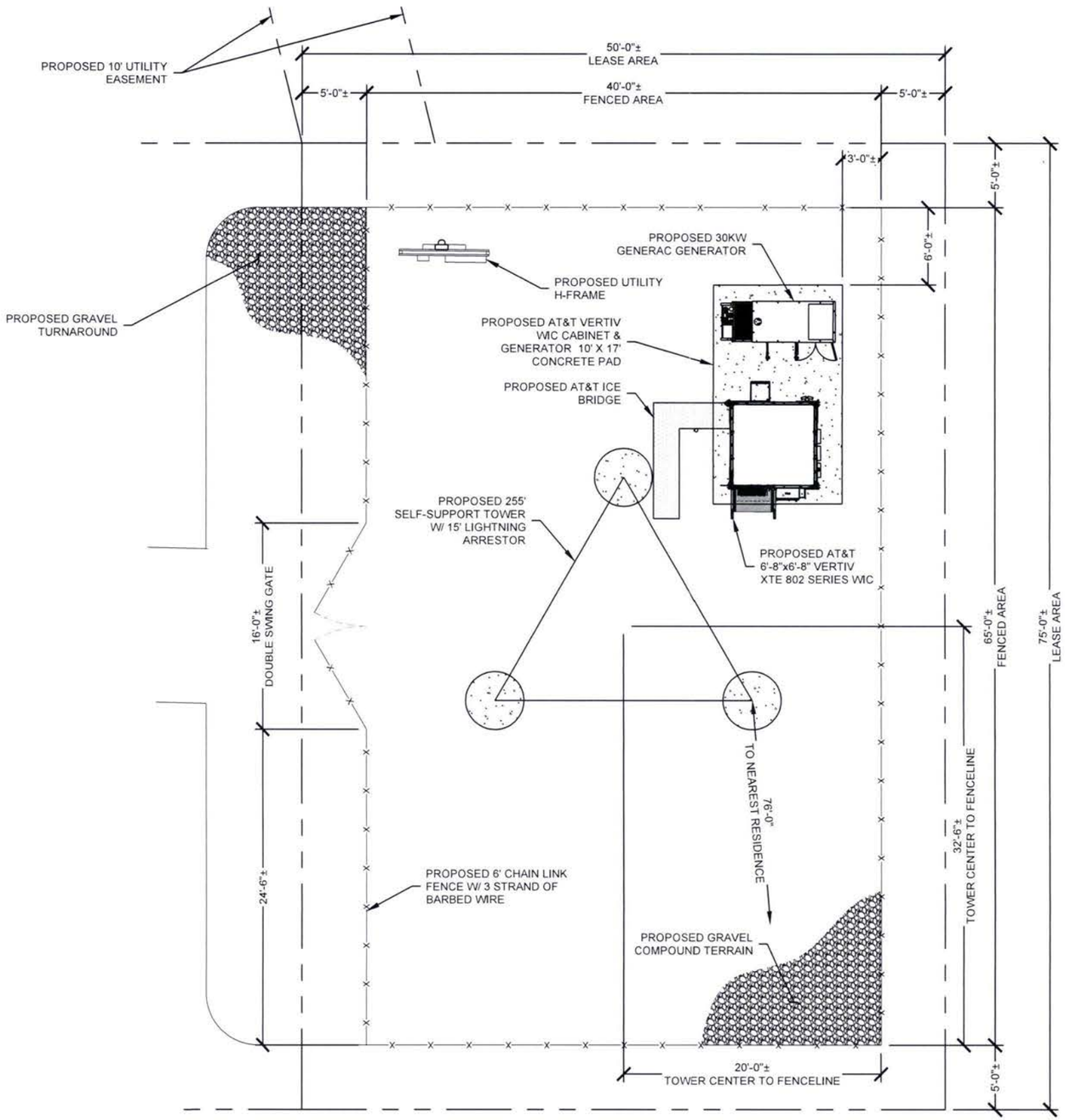
STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE

OVERALL SITE LAYOUT

SHEET NUMBER

C-1



0 10' 20'

1" = 10'_1

COMPOUND LAYOUT

11"x17" SCALE: 1" = 10'_1

STATE OF KENTUCKY
RAPHAEL MOHAMED
24429
LICENSED PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
07/30/2020	CONSTRUCTION	0	RM

DRAWN BY:	CTS
CHECKED BY:	CZB
APPV'D BY:	RM
MNS PROJECT NO:	21364

PREPARED FOR:

at&t

PREPARED BY:

MasTec Network Solutions
507 AIRPORT BLVD, SUITE 111
MORRISVILLE, NC 27560

SITE NAME:

MOORS CAMP

FA LOCATION:

13356835

SITE ADDRESS:

STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE

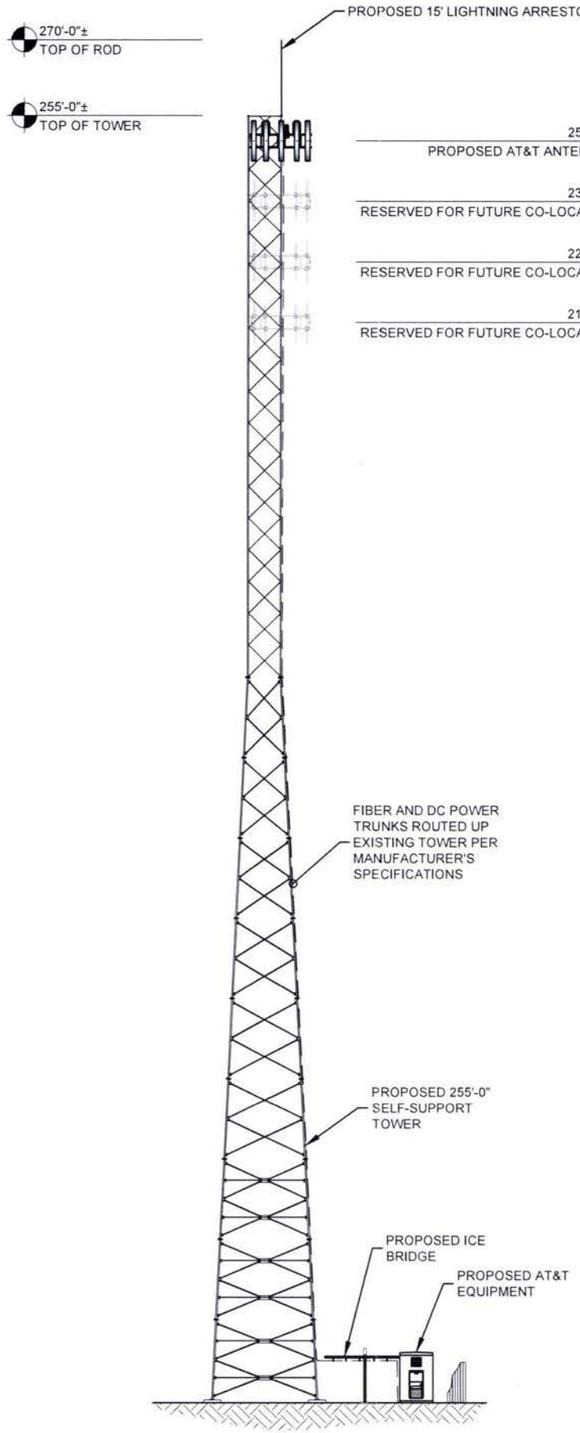
COMPOUND LAYOUT

SHEET NUMBER

C-2

TOWER NOTES:

1. THE PROPOSED TOWER, FOUNDATION, ANTENNA MOUNTS, AND ANTENNAS WERE/ARE DESIGNED BY OTHERS.
2. THE TOWER ELEVATION SHOWN IS FOR REFERENCE ONLY.
3. SEE TOWER MANUFACTURE'S DRAWINGS FOR TOWER AND FOUNDATION DETAILS & SPECIFICATIONS.
4. MANUFACTURE'S DRAWINGS SUPERCEDE A&E DRAWINGS



TOWER ELEVATION

11"x17" SCALE: 1" = 30'-0"

STATE OF KENTUCKY
RAPHAEL MOHAMED
24429
LICENSED PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
07/30/2020	CONSTRUCTION	0	RM

DRAWN BY:	CTS
CHECKED BY:	CZB
APPV'D BY:	RM
MNS PROJECT NO:	21364

PREPARED FOR:

at&t

PREPARED BY:

MasTec Network Solutions
507 AIRPORT BLVD, SUITE 111
MORRISVILLE, NC 27560

SITE NAME:

MOORS CAMP

FA LOCATION:

13356835

SITE ADDRESS:

STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE

TOWER ELEVATION

SHEET NUMBER

C-3

EXHIBIT C
TOWER AND FOUNDATION DESIGN

MasTec
Network Solutions

September 24th, 2020

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

RE: Site Name – Moors Camp
Proposed Cell Tower
36 55 54.78 North Latitude, 88 14 56.76 West Longitude

Dear Commissioners:

The Project / Construction Manager for the proposed new communications facility will be Sean Sheehan. His contact information is (610) 312-1001 or sean.sheehan@mastec.com

Sean has been in the industry completing civil construction and constructing towers since 2009. He has worked at Mastec Network Solutions since 2009 completing project and construction management on new site build projects.

Thank you,

Sean Sheehan, Sr. Project Manager – Tennessee/Kentucky Market
MasTec Network Solutions
(610) 312-1001

Sabre Industries™
INNOVATION DELIVERED

Structural Design Report

255' S3TL Series HD1 Self-Supporting Tower
Site: Moors Camp, KY
Site Number: FA# 13356835

Prepared for: AT&T
by: Sabre Industries ™

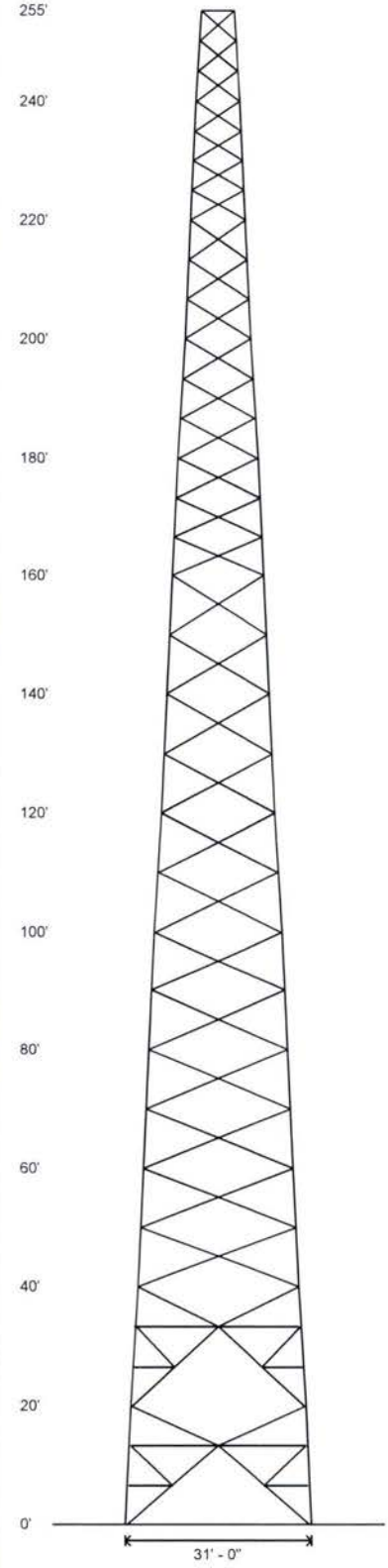
Job Number: 470123

October 26, 2020

10/29/20

Digitally Signed By Robert Beacom
DN: c=US, st=Texas, l=Alvarado, o=SABRE INDUSTRIES, INC., cn=Robert Beacom, email=rebeacom@sabreindustries.com Date: 2020.10.29 16:02:55

Legs	A		8.625 OD X .500			8.625 OD X .322		B	C	D	E	F
Diagonals	G	H	L 4 X 4 X 1/4			L 3 1/2 X 3 1/2 X 1/4	L 3 X 3 X 1/4	L 3 X 3 X 3/16		I	L 2 X 2 X 3/16	J
Horizontals	H	K	L			NONE						I
Internals	L	K	L			NONE						
Sub-Diagonals	M	K	I			NONE						
Sub-Horizontals	N	K	I			NONE						
Brace Bolts	(2) 3/4"		(2) 5/8"			(1) 3/4"		(1) 5/8"				
Top Face Width	29'		27'	25'	23'	21'	19'	17'	15'	13'	11'	9'	7'	5.5'
Panel Count/Height	O	P	O	P	12 @ 10'						9 @ 6.6667'		7 @ 5'	
Section Weight	7376		6289	5406	5253	5013	4654	3597	3274	3145	2459	1878	1276	727



Design Criteria - ANSI/TIA-222-H

Wind Speed (No Ice)	106 mph
Wind Speed (Ice)	30 mph
Design Ice Thickness	1.50 in
Risk Category	II
Exposure Category	D
Topographic Factor Procedure	Method 1 (Simplified)
Topographic Category	1
Ground Elevation	442 ft

Base Reactions

Total Foundation		Individual Footing	
Shear (kips)	94.92	Shear (kips)	57.16
Axial (kips)	244.18	Compression (kips)	587
Moment (ft-kips)	14879	Uplift (kips)	509
Torsion (ft-kips)	-49.74		

Material List

Display	Value
A	10.75 OD X .500
B	5.563 OD X .500
C	5.563 OD X .375
D	4.500 OD X .337
E	3.500 OD X .216
F	2.875 OD X .203
G	L 5 X 3 1/2 X 1/4 (SLV)
H	L 4 X 4 X 1/4
I	L 2 1/2 X 2 1/2 X 3/16
J	L 1 3/4 X 1 3/4 X 1/8
K	NONE
L	L 3 X 3 X 1/4
M	L 3 X 3 X 3/16
N	L 2 1/2 X 2 1/2 X 1/4
O	1 @ 13.333'
P	1 @ 6.667'

Notes

1) All legs are A500 (50 ksi Min. Yield).
2) All braces are A572 Grade 50.
3) All brace bolts are A325-X.
4) The tower model is S3TL Series HD1.
5) Transmission lines are to be attached to standard 12 hole waveguide ladders with stackable hangers.
6) Azimuths are relative (not based on true north).
7) Foundation loads shown are maximums.
8) All unequal angles are oriented with the short leg vertical.
9) Weights shown are estimates. Final weights may vary.
10) 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.
11) Tower Rating: 99.88%

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:	**470123**
Customer:	AT&T
Site Name:	Moors Camp, KY FA# 13356835
Description:	255' S3TL
Date:	2020.10.26 By: DJH

Designed Appurtenance Loading

Elev	Description	Tx-Line
260	(1) Extendible Lightning Rod	
250	(1) 278 sq. ft. EPA 6000# (no Ice)	(18) 1 5/8"
238	(1) 208 sq. ft. EPA 4000# (no ice)	(18) 1 5/8"

Elev	Description	Tx-Line
226	(1) 208 sq. ft. EPA 4000# (no ice)	(18) 1 5/8"
214	(1) 208 sq. ft. EPA 4000# (no ice)	(18) 1 5/8"

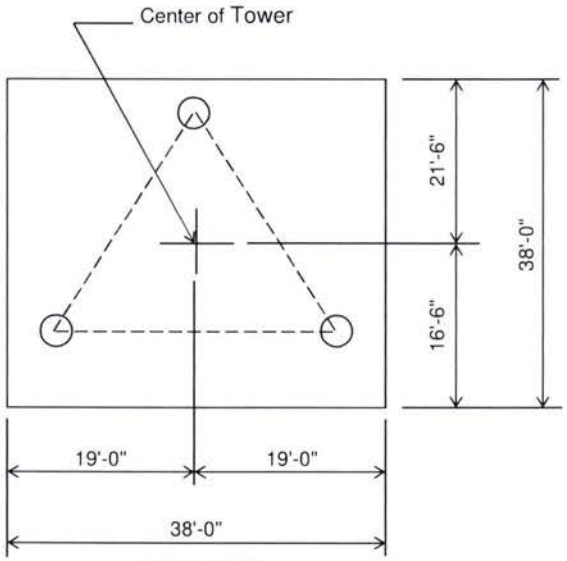
Sabre Industries
INNOVATION DELIVERED

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

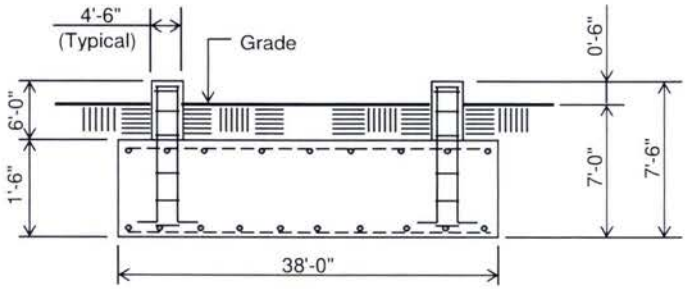
Job:	**470123**
Customer:	AT&T
Site Name:	Moors Camp, KY FA# 13356835
Description:	255' S3TL
Date:	2020.10.26 By: DJH

No.: 470123
Date: 10/26/2020
By: DJH

Customer: AT&T
Site: Moors Camp, KY FA# 13356835
255 ft. Model S3TL Series HD1 Self Supporting Tower



PLAN VIEW



ELEVATION VIEW

(90.8 cu. yds.)
(1 REQD.; NOT TO SCALE)

CAUTION: Center of tower is not in center of slab.

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# GEO20-07225-08 Revision 0; dated October 15, 2020.
6) See the geotechnical report for compaction requirements, if specified.
7) 5.5' 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 per Mat and per Pier	
Pier	(26) #7 vertical rebar w/ hooks at bottom w/ #4 rebar ties, two (2) within top 5" of pier then 4" C/C
Mat	(64) #10 horizontal rebar evenly spaced each way top and bottom. (256 total)
Anchor Bolts per Leg	
(6) 1.5" dia. x 78" F1554-105 on a 15.5" B.C. w/ 9.5" max. projection above concrete.	

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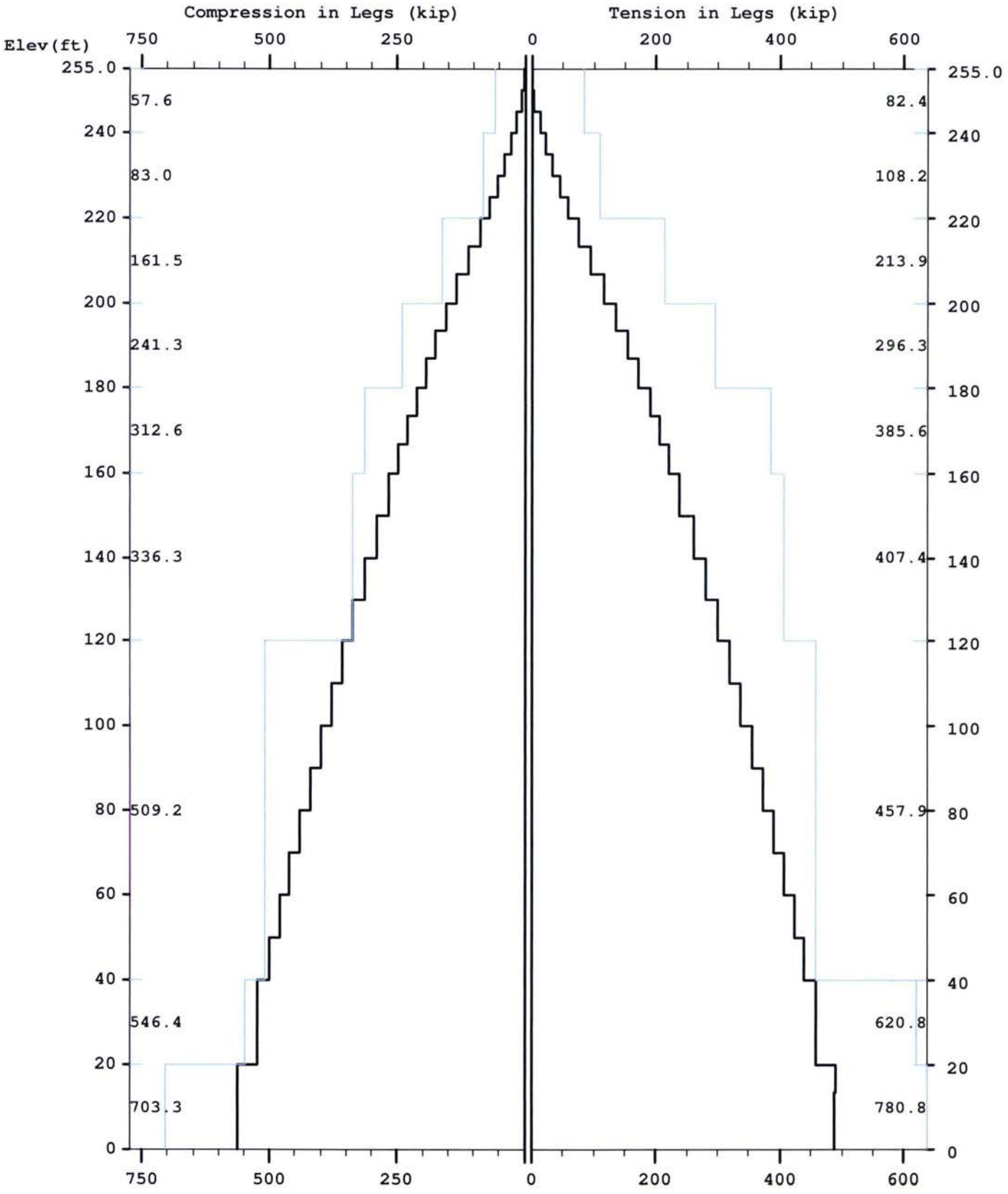
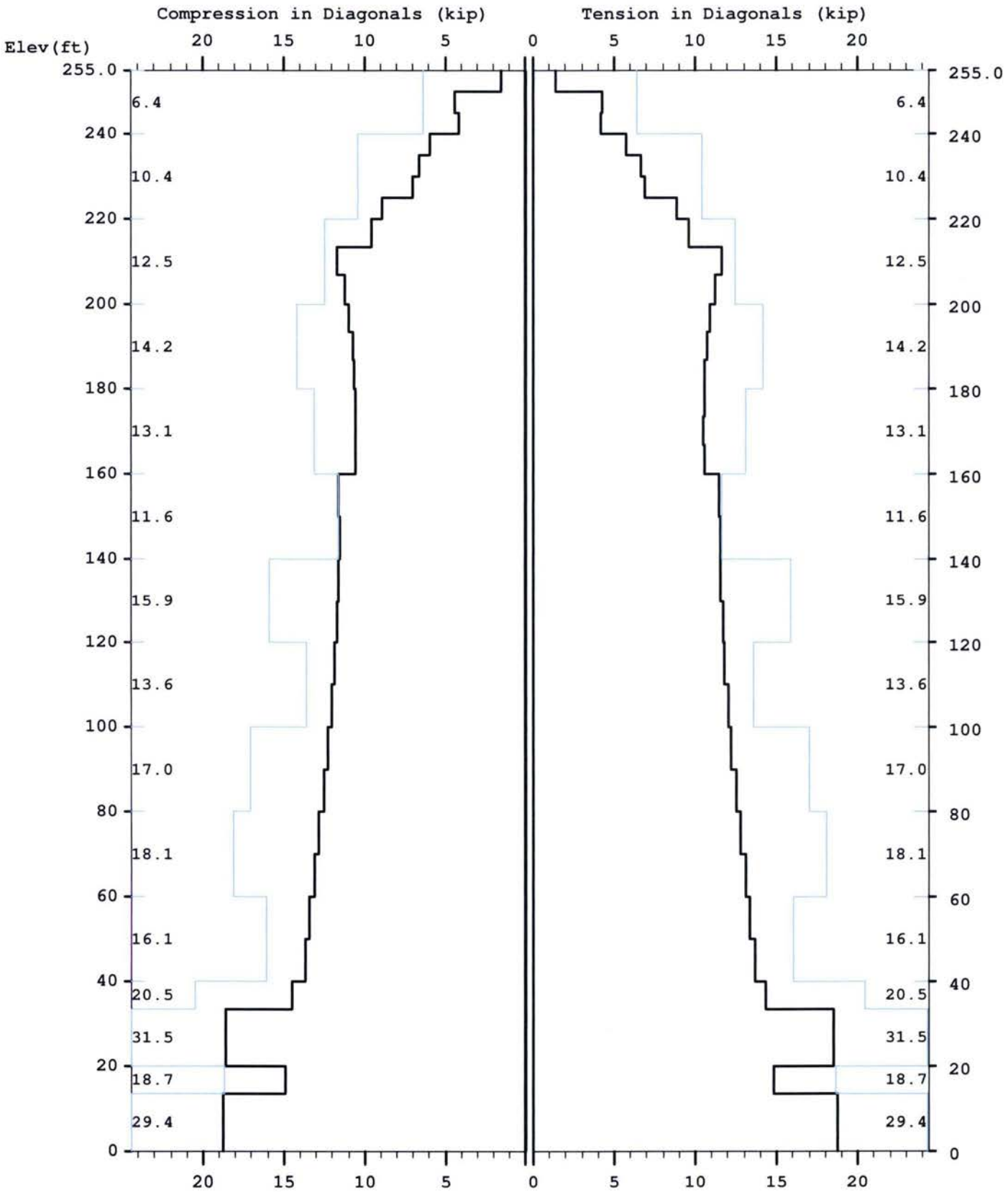
Maximum

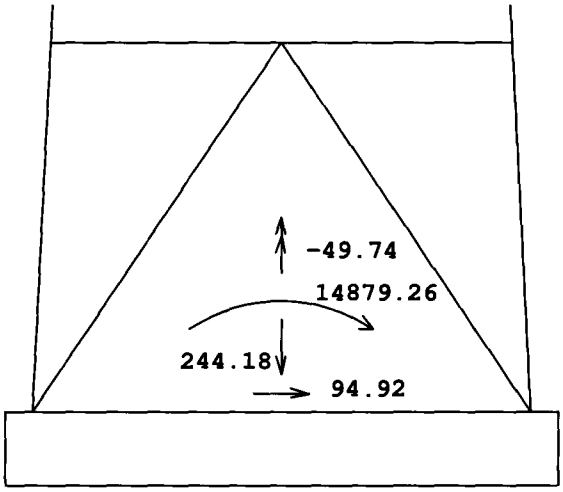

Compression in Legs (kip)
Tension in Legs (kip)
Elev(ft)
750
500
250
0
200
400
600
255.0
240
220
200
180
160
140
120
100
80
60
40
20
0
57.6
83.0
161.5
241.3
312.6
336.3
509.2
546.4
703.3
82.4
108.2
213.9
296.3
385.6
407.4
457.9
620.8
780.8

Maximum

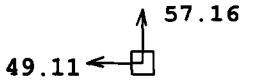

Compression in Diagonals (kip)
Tension in Diagonals (kip)
Elev(ft)
255.0
240
220
200
180
160
140
120
100
80
60
40
20
0
6.4
10.4
12.5
14.2
13.1
11.6
15.9
13.6
17.0
18.1
16.1
20.5
31.5
18.7
29.4
20
15
10
5
0

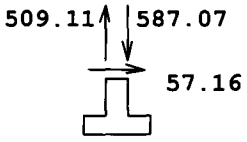
Maximum

TOTAL FOUNDATION LOADS (kip, ft-kip)



INDIVIDUAL FOOTING LOADS (kip)





MAST GEOMETRY (ft)

PANEL TYPE	NO.OF LEGS	ELEV.AT BOTTOM	ELEV.AT TOP	F.W..AT BOTTOM	F.W..AT TOP	TYPICAL PANEL HEIGHT
X	3	250.00	255.00	6.00	5.50	5.00
X	3	240.00	250.00	7.00	6.00	5.00
X	3	220.00	240.00	9.00	7.00	5.00
X	3	200.00	220.00	11.00	9.00	6.67
X	3	180.00	200.00	13.00	11.00	6.67
X	3	160.00	180.00	15.00	13.00	6.67
X	3	140.00	160.00	17.00	15.00	10.00
X	3	120.00	140.00	19.00	17.00	10.00
X	3	100.00	120.00	21.00	19.00	10.00
X	3	80.00	100.00	23.00	21.00	10.00
X	3	60.00	80.00	25.00	23.00	10.00
X	3	40.00	60.00	27.00	25.00	10.00
V	3	33.33	40.00	27.67	27.00	6.67
A	3	20.00	33.33	29.00	27.67	13.33
V	3	13.33	20.00	29.67	29.00	6.67
A	3	0.00	13.33	31.00	29.67	13.33

MEMBER PROPERTIES

MEMBER TYPE	BOTTOM ELEV ft	TOP ELEV ft	X-SECTN AREA in.sq	RADIUS OF GYRAT in	ELASTIC MODULUS ksi	THERMAL EXPANSN /deg
LE	240.00	255.00	1.704	0.947	29000.	0.0000117
LE	220.00	240.00	2.228	0.947	29000.	0.0000117
LE	200.00	220.00	4.407	0.947	29000.	0.0000117
LE	180.00	200.00	6.111	0.947	29000.	0.0000117
LE	160.00	180.00	7.952	0.947	29000.	0.0000117
LE	120.00	160.00	8.399	0.947	29000.	0.0000117
LE	20.00	120.00	12.763	0.947	29000.	0.0000117
LE	0.00	20.00	16.101	0.947	29000.	0.0000117
DI	240.00	255.00	0.422	0.546	29000.	0.0000117
DI	220.00	240.00	0.715	0.546	29000.	0.0000117
DI	200.00	220.00	0.902	0.546	29000.	0.0000117
DI	160.00	200.00	1.090	0.546	29000.	0.0000117
DI	140.00	160.00	1.438	0.546	29000.	0.0000117
DI	100.00	140.00	1.688	0.546	29000.	0.0000117
DI	33.33	100.00	1.938	0.546	29000.	0.0000117
DI	20.00	33.33	2.062	0.546	29000.	0.0000117
DI	13.33	20.00	1.938	0.546	29000.	0.0000117
DI	0.00	13.33	2.062	0.546	29000.	0.0000117
HO	250.00	255.00	0.902	0.778	29000.	0.0000117
HO	20.00	33.33	1.438	0.778	29000.	0.0000117
HO	0.00	13.33	1.938	0.778	29000.	0.0000117
BR	20.00	33.33	1.438	0.000	29000.	0.0000117
BR	0.00	13.33	1.438	0.000	29000.	0.0000117

FACTORED MEMBER RESISTANCES

BOTTOM ELEV ft	TOP ELEV ft	LEGS COMP kip	LEGS TENS kip	DIAGONALS COMP kip	DIAGONALS TENS kip	HORIZONTALS COMP kip	HORIZONTALS TENS kip	INT BRACING COMP kip	INT BRACING TENS kip
250.0	255.0	57.62	82.45	6.40	6.40	13.03	13.03	0.00	0.00
240.0	250.0	57.62	82.45	6.40	6.40	0.00	0.00	0.00	0.00
220.0	240.0	83.04	108.15	10.38	10.38	0.00	0.00	0.00	0.00
200.0	220.0	161.47	213.88	12.47	12.47	0.00	0.00	0.00	0.00
180.0	200.0	241.28	296.33	14.17	14.17	0.00	0.00	0.00	0.00
160.0	180.0	312.59	385.58	13.10	13.10	0.00	0.00	0.00	0.00
140.0	160.0	336.31	407.40	11.64	11.64	0.00	0.00	0.00	0.00
120.0	140.0	336.31	407.40	15.88	15.88	0.00	0.00	0.00	0.00
100.0	120.0	509.22	457.90	13.59	13.59	0.00	0.00	0.00	0.00
80.0	100.0	509.22	457.90	17.02	17.02	0.00	0.00	0.00	0.00
60.0	80.0	509.22	457.90	18.13	18.13	0.00	0.00	0.00	0.00
40.0	60.0	509.22	457.90	16.06	16.06	0.00	0.00	0.00	0.00
33.3	40.0	546.43	620.80	20.48	20.48	0.00	0.00	0.00	0.00
20.0	33.3	546.43	620.80	31.46	31.46	9.52	9.52	9.39	9.39
13.3	20.0	703.28	780.85	18.66	18.66	0.00	0.00	0.00	0.00
0.0	13.3	703.28	780.85	29.38	29.38	17.72	17.72	8.35	8.35

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

LOADING CONDITION A

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

MAST LOADING

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	260.0	0.00	0.0	0.0	0.27	0.15	0.00	0.00
C	250.0	0.00	0.0	0.0	9.55	7.20	0.00	0.00
C	238.0	0.00	0.0	0.0	7.09	4.80	0.00	0.00
C	226.0	0.00	0.0	0.0	7.02	4.80	0.00	0.00
C	214.0	0.00	0.0	0.0	6.96	4.80	0.00	0.00
D	255.0	0.00	180.0	0.0	0.07	0.05	0.00	0.00
D	250.0	0.00	180.0	0.0	0.07	0.05	0.00	0.00
D	250.0	0.00	42.7	0.0	0.13	0.07	0.08	0.13
D	240.0	0.00	44.9	0.0	0.13	0.07	0.07	0.13
D	240.0	0.00	63.8	0.0	0.16	0.10	0.08	0.14
D	235.0	0.00	63.8	0.0	0.16	0.10	0.08	0.14
D	235.0	0.00	78.9	0.0	0.17	0.12	0.08	0.15
D	230.0	0.00	78.9	0.0	0.17	0.12	0.08	0.15
D	230.0	0.00	84.0	0.0	0.18	0.12	0.07	0.13
D	225.0	0.00	84.0	0.0	0.18	0.12	0.07	0.13
D	225.0	0.00	103.5	0.0	0.21	0.15	0.05	0.07
D	220.0	0.00	103.5	0.0	0.21	0.15	0.05	0.07
D	220.0	0.00	99.2	0.0	0.21	0.18	0.05	0.07
D	213.3	0.00	99.2	0.0	0.21	0.18	0.05	0.07
D	213.3	0.00	300.0	0.0	0.22	0.20	0.04	0.04
D	200.0	0.00	300.0	0.0	0.22	0.20	0.04	0.04
D	200.0	0.00	300.0	0.0	0.24	0.23	0.04	0.04
D	180.0	0.00	300.0	0.0	0.24	0.24	0.04	0.04
D	180.0	0.00	300.0	0.0	0.24	0.26	0.04	0.04
D	160.0	0.00	300.0	0.0	0.25	0.27	0.04	0.04
D	160.0	0.00	300.0	0.0	0.24	0.27	0.04	0.04
D	140.0	0.00	300.0	0.0	0.24	0.28	0.04	0.04
D	140.0	0.00	300.0	0.0	0.25	0.29	0.04	0.04
D	120.0	0.00	300.0	0.0	0.25	0.30	0.04	0.04
D	120.0	0.00	300.0	0.0	0.25	0.35	0.04	0.04
D	80.0	0.00	300.0	0.0	0.26	0.38	0.04	0.04
D	80.0	0.00	300.0	0.0	0.26	0.38	0.04	0.03
D	40.0	0.00	300.0	0.0	0.25	0.40	0.04	0.03
D	40.0	0.00	300.0	0.0	0.22	0.37	0.04	0.03
D	33.3	0.00	300.0	0.0	0.22	0.37	0.04	0.03
D	33.3	0.00	300.0	0.0	0.25	0.44	0.04	0.03
D	20.0	0.00	300.0	0.0	0.25	0.44	0.04	0.03
D	20.0	0.00	300.0	0.0	0.21	0.42	0.04	0.03
D	13.3	0.00	300.0	0.0	0.21	0.42	0.04	0.03
D	13.3	0.00	300.0	0.0	0.25	0.51	0.04	0.03
D	0.0	0.00	300.0	0.0	0.25	0.51	0.04	0.03

LOADING CONDITION M

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

MAST LOADING

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	260.0	0.00	0.0	0.0	0.27	0.12	0.00	0.00
C	250.0	0.00	0.0	0.0	9.55	5.40	0.00	0.00
C	238.0	0.00	0.0	0.0	7.09	3.60	0.00	0.00
C	226.0	0.00	0.0	0.0	7.02	3.60	0.00	0.00
C	214.0	0.00	0.0	0.0	6.96	3.60	0.00	0.00
D	255.0	0.00	180.0	0.0	0.07	0.04	0.00	0.00
D	250.0	0.00	180.0	0.0	0.07	0.04	0.00	0.00
D	250.0	0.00	42.7	0.0	0.13	0.05	0.06	0.13
D	240.0	0.00	44.9	0.0	0.13	0.05	0.05	0.13
D	240.0	0.00	63.8	0.0	0.16	0.08	0.06	0.14
D	235.0	0.00	63.8	0.0	0.16	0.08	0.06	0.14
D	235.0	0.00	78.9	0.0	0.17	0.09	0.06	0.15
D	230.0	0.00	78.9	0.0	0.17	0.09	0.06	0.15
D	230.0	0.00	84.0	0.0	0.18	0.09	0.06	0.13
D	225.0	0.00	84.0	0.0	0.18	0.09	0.06	0.13
D	225.0	0.00	103.5	0.0	0.21	0.11	0.04	0.07
D	220.0	0.00	103.5	0.0	0.21	0.11	0.04	0.07
D	220.0	0.00	99.2	0.0	0.21	0.13	0.04	0.07
D	213.3	0.00	99.2	0.0	0.21	0.13	0.04	0.07
D	213.3	0.00	300.0	0.0	0.22	0.15	0.03	0.04
D	200.0	0.00	300.0	0.0	0.22	0.15	0.03	0.04
D	200.0	0.00	300.0	0.0	0.24	0.18	0.03	0.04

D	180.0	0.00	300.0	0.0	0.24	0.18	0.03	0.04
D	180.0	0.00	300.0	0.0	0.24	0.20	0.03	0.04
D	160.0	0.00	300.0	0.0	0.25	0.20	0.03	0.04
D	160.0	0.00	300.0	0.0	0.24	0.21	0.03	0.04
D	140.0	0.00	300.0	0.0	0.24	0.21	0.03	0.04
D	140.0	0.00	300.0	0.0	0.25	0.22	0.03	0.04
D	120.0	0.00	300.0	0.0	0.25	0.22	0.03	0.04
D	120.0	0.00	300.0	0.0	0.25	0.26	0.03	0.04
D	80.0	0.00	300.0	0.0	0.26	0.28	0.03	0.04
D	80.0	0.00	300.0	0.0	0.26	0.29	0.03	0.03
D	40.0	0.00	300.0	0.0	0.25	0.30	0.03	0.03
D	40.0	0.00	300.0	0.0	0.22	0.28	0.03	0.03
D	33.3	0.00	300.0	0.0	0.22	0.28	0.03	0.03
D	33.3	0.00	300.0	0.0	0.25	0.33	0.03	0.03
D	20.0	0.00	300.0	0.0	0.25	0.33	0.03	0.03
D	20.0	0.00	300.0	0.0	0.21	0.31	0.03	0.03
D	13.3	0.00	300.0	0.0	0.21	0.31	0.03	0.03
D	13.3	0.00	300.0	0.0	0.25	0.38	0.03	0.03
D	0.0	0.00	300.0	0.0	0.25	0.38	0.03	0.03

LOADING CONDITION Y

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

MAST LOADING

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	260.0	0.00	0.0	0.0	0.05	0.30	0.00	0.00
C	250.0	0.00	0.0	0.0	1.33	18.22	0.00	0.00
C	238.0	0.00	0.0	0.0	1.61	12.11	0.00	0.00
C	226.0	0.00	0.0	0.0	1.59	12.07	0.00	0.00
C	214.0	0.00	0.0	0.0	1.57	12.03	0.00	0.00
D	255.0	0.00	180.0	0.0	0.01	0.20	0.00	0.00
D	250.0	0.00	180.0	0.0	0.01	0.20	0.00	0.00
D	250.0	0.00	42.7	0.0	0.02	0.26	0.29	0.01
D	245.0	0.00	42.7	0.0	0.02	0.26	0.29	0.01
D	245.0	0.00	44.9	0.0	0.02	0.27	0.28	0.01
D	240.0	0.00	44.9	0.0	0.02	0.27	0.28	0.01
D	240.0	0.00	70.2	0.0	0.02	0.36	0.28	0.01
D	235.0	0.00	70.2	0.0	0.02	0.36	0.28	0.01
D	235.0	0.00	90.7	0.0	0.02	0.41	0.29	0.01
D	230.0	0.00	90.7	0.0	0.02	0.41	0.29	0.01
D	230.0	0.00	93.4	0.0	0.02	0.44	0.26	0.01
D	225.0	0.00	93.4	0.0	0.02	0.44	0.26	0.01
D	225.0	0.00	100.8	0.0	0.02	0.51	0.13	0.01
D	220.0	0.00	100.8	0.0	0.02	0.51	0.13	0.01
D	220.0	0.00	95.4	0.0	0.02	0.55	0.12	0.00
D	213.3	0.00	95.4	0.0	0.02	0.55	0.12	0.00
D	213.3	0.00	300.0	0.0	0.02	0.61	0.12	0.00
D	200.0	0.00	300.0	0.0	0.02	0.62	0.12	0.00
D	200.0	0.00	300.0	0.0	0.03	0.68	0.12	0.00
D	180.0	0.00	300.0	0.0	0.03	0.70	0.12	0.00
D	180.0	0.00	300.0	0.0	0.03	0.72	0.12	0.00
D	160.0	0.00	300.0	0.0	0.03	0.74	0.12	0.00
D	160.0	0.00	300.0	0.0	0.03	0.72	0.12	0.00
D	120.0	0.00	300.0	0.0	0.03	0.77	0.12	0.00
D	120.0	0.00	300.0	0.0	0.03	0.83	0.12	0.00
D	80.0	0.00	300.0	0.0	0.03	0.89	0.12	0.00
D	80.0	0.00	300.0	0.0	0.03	0.89	0.12	0.00
D	40.0	0.00	300.0	0.0	0.03	0.90	0.12	0.00
D	40.0	0.00	300.0	0.0	0.02	0.82	0.11	0.00
D	33.3	0.00	300.0	0.0	0.02	0.82	0.11	0.00
D	33.3	0.00	300.0	0.0	0.03	1.02	0.11	0.00
D	20.0	0.00	300.0	0.0	0.03	1.02	0.11	0.00
D	20.0	0.00	300.0	0.0	0.02	0.68	0.05	0.00
D	13.3	0.00	300.0	0.0	0.02	0.68	0.05	0.00
D	13.3	0.00	300.0	0.0	0.03	0.99	0.09	0.00
D	0.0	0.00	300.0	0.0	0.03	0.99	0.09	0.00

MAXIMUM TENSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
255.0	----------		1.05 A	0.00 A
	0.58 S	1.43 S		
250.0	----------		0.15 K	0.00 A
	2.94 M	4.27 N		
245.0	----------		0.19 I	0.00 A
	12.50 M	4.18 B		
240.0	----------		0.06 K	0.00 A
	20.59 M	5.77 M		
235.0	----------		0.12 A	0.00 A
	32.80 M	6.65 H		
230.0	----------		0.08 A	0.00 A

	44.30 M	6.92 N		
225.0	----------		0.04 a	0.00 A
	57.34 M	8.85 T		
220.0	----------		0.20 A	0.00 A
	74.70 M	9.57 B		
213.3	----------		0.05 C	0.00 A
	93.71 M	11.61 T		
206.7	----------		0.20 A	0.00 A
	116.62 M	11.26 B		
200.0	----------		0.02 a	0.00 A
	135.60 M	10.89 X		
193.3	----------		0.12 A	0.00 A
	155.21 M	10.76 F		
186.7	----------		0.03 A	0.00 A
	172.16 M	10.59 X		
180.0	----------		0.10 A	0.00 A
	189.58 M	10.56 F		
173.3	----------		0.08 A	0.00 A
	205.04 M	10.48 X		
166.7	----------		0.09 A	0.00 A
	220.93 M	10.54 F		
160.0	----------		0.09 A	0.00 A
	238.68 M	11.50 X		
150.0	----------		0.14 A	0.00 A
	260.40 M	11.52 F		
140.0	----------		0.06 A	0.00 A
	280.18 M	11.53 R		
130.0	----------		0.13 A	0.00 A
	300.05 M	11.68 R		
120.0	----------		0.05 A	0.00 A
	318.58 M	11.81 R		
110.0	----------		0.08 A	0.00 A
	337.10 M	12.02 R		
100.0	----------		0.05 A	0.00 A
	354.69 M	12.23 R		
90.0	----------		0.07 A	0.00 A
	372.37 M	12.52 R		
80.0	----------		0.05 A	0.00 A
	389.35 M	12.78 R		
70.0	----------		0.06 A	0.00 A
	406.40 M	13.08 R		
60.0	----------		0.09 O	0.00 A
	422.94 M	13.36 R		
50.0	----------		0.08 S	0.00 A
	439.44 M	13.67 X		
40.0	----------		0.26 A	0.00 A
	458.49 M	14.33 R		
33.3	----------		0.89 U	0.00 J
	457.45 M	18.52 R		
20.0	----------		0.11 A	0.00 J
	490.02 M	14.80 X		
13.3	----------		0.87 U	0.00 Q
	488.83 M	18.75 X		
0.0	----------		0.00 A	0.00 A

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
255.0	----------		-0.98 S	0.00 A
	-0.65 A	-1.51 A		
250.0	----------		-0.14 Q	0.00 A
	-7.41 G	-4.39 H		
245.0	----------		-0.15 O	0.00 A
	-17.46 G	-4.13 H		
240.0	----------		-0.05 Q	0.00 A
	-27.40 G	-5.97 G		
235.0	----------		-0.09 S	0.00 A
	-41.38 G	-6.62 B		
230.0	----------		-0.06 S	0.00 A
	-53.85 G	-7.00 B		
225.0	----------		-0.01 S	0.00 A
	-69.75 G	-8.91 B		
220.0	----------		-0.17 S	0.00 A
	-88.22 G	-9.59 H		
213.3	----------		-0.04 U	0.00 A
	-110.66 G	-11.73 B		
206.7	----------		-0.17 S	0.00 A
	-134.87 G	-11.21 T		
200.0	----------		0.00 S	0.00 A
	-154.89 G	-10.98 F		
193.3	----------		-0.11 S	0.00 A
	-175.92 G	-10.73 X		
186.7	----------		-0.02 S	0.00 A
	-194.10 G	-10.66 F		
180.0	----------		-0.09 S	0.00 A
	-213.03 G	-10.54 X		
173.3	----------		-0.07 S	0.00 A

	-229.91	G	-10.56	L			
166.7					-0.08	S	0.00 A
	-247.41	G	-10.51	X			
160.0					-0.07	S	0.00 A
	-267.00	G	-11.59	F			
150.0					-0.12	S	0.00 A
	-291.24	G	-11.51	L			
140.0					-0.05	S	0.00 A
	-313.40	G	-11.61	F			
130.0					-0.11	S	0.00 A
	-335.90	G	-11.70	F			
120.0					-0.04	S	0.00 A
	-357.15	G	-11.88	L			
110.0					-0.06	S	0.00 A
	-378.71	G	-12.04	L			
100.0					-0.04	S	0.00 A
	-399.35	G	-12.30	L			
90.0					-0.06	S	0.00 A
	-420.21	G	-12.55	F			
80.0					-0.04	S	0.00 A
	-440.41	G	-12.85	L			
70.0					-0.05	S	0.00 A
	-460.80	G	-13.11	L			
60.0					-0.09	I	0.00 A
	-480.71	G	-13.40	L			
50.0					-0.09	A	0.00 A
	-500.65	G	-13.69	L			
40.0					-0.23	S	0.00 A
	-522.84	G	-14.50	C			
33.3					-1.06	C	0.00 D
	-524.22	G	-18.58	L			
20.0					-0.09	S	0.00 D
	-561.69	G	-14.86	F			
13.3					-1.06	C	0.00 K
	-563.28	G	-18.79	L			
0.0					0.00	A	0.00 A

FORCE/RESISTANCE RATIO IN LEGS
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MAST ELEV ft	-- LEG COMPRESSION - MAX COMP	COMP RESIST	FORCE/ RESIST RATIO	---- LEG TENSION --- MAX TENS	TENS RESIST	FORCE/ RESIST RATIO
255.00						
	0.65	57.62	0.01	0.58	82.45	0.01
250.00						
	7.41	57.62	0.13	2.94	82.45	0.04
245.00						
	17.46	57.62	0.30	12.50	82.45	0.15
240.00						
	27.40	83.04	0.33	20.59	108.15	0.19
235.00						
	41.38	83.04	0.50	32.80	108.15	0.30
230.00						
	53.85	83.04	0.65	44.30	108.15	0.41
225.00						
	69.75	83.04	0.84	57.34	108.15	0.53
220.00						
	88.22	161.47	0.55	74.70	213.88	0.35
213.33						
	110.66	161.47	0.69	93.71	213.88	0.44
206.67						
	134.87	161.47	0.84	116.62	213.88	0.55
200.00						
	154.89	241.28	0.64	135.60	296.33	0.46
193.33						
	175.92	241.28	0.73	155.21	296.33	0.52
186.67						
	194.10	241.28	0.80	172.16	296.33	0.58
180.00						
	213.03	312.59	0.68	189.58	385.58	0.49
173.33						
	229.91	312.59	0.74	205.04	385.58	0.53
166.67						
	247.41	312.59	0.79	220.93	385.58	0.57
160.00						
	267.00	336.31	0.79	238.68	407.40	0.59
150.00						
	291.24	336.31	0.87	260.40	407.40	0.64
140.00						
	313.40	336.31	0.93	280.18	407.40	0.69
130.00						
	335.90	336.31	1.00	300.05	407.40	0.74
120.00						
	357.15	509.22	0.70	318.58	457.90	0.70
110.00						
	378.71	509.22	0.74	337.10	457.90	0.74
100.00						
	399.35	509.22	0.78	354.69	457.90	0.77
90.00						
	420.21	509.22	0.83	372.37	457.90	0.81
80.00						

	440.41	509.22	0.86	389.35	457.90	0.85
70.00						
	460.80	509.22	0.90	406.40	457.90	0.89
60.00						
	480.71	509.22	0.94	422.94	457.90	0.92
50.00						
	500.65	509.22	0.98	439.44	457.90	0.96
40.00						
	522.84	546.43	0.96	458.49	620.80	0.74
33.33						
	524.22	546.43	0.96	457.45	620.80	0.74
20.00						
	561.69	703.28	0.80	490.02	780.85	0.63
13.33						
	563.28	703.28	0.80	488.83	780.85	0.63
0.00						

FORCE/RESISTANCE RATIO IN DIAGONALS

MAST ELEV ft	- DIAG COMPRESSION - MAX COMP	COMP RESIST	FORCE/ RESIST RATIO	--- DIAG TENSION -- MAX TENS	TENS RESIST	FORCE/ RESIST RATIO
255.00						
	1.51	6.40	0.24	1.43	6.40	0.22
250.00						
	4.39	6.40	0.69	4.27	6.40	0.67
245.00						
	4.13	6.40	0.65	4.18	6.40	0.65
240.00						
	5.97	10.38	0.57	5.77	10.38	0.56
235.00						
	6.62	10.38	0.64	6.65	10.38	0.64
230.00						
	7.00	10.38	0.67	6.92	10.38	0.67
225.00						
	8.91	10.38	0.86	8.85	10.38	0.85
220.00						
	9.59	12.47	0.77	9.57	12.47	0.77
213.33						
	11.73	12.47	0.94	11.61	12.47	0.93
206.67						
	11.21	12.47	0.90	11.26	12.47	0.90
200.00						
	10.98	14.17	0.78	10.89	14.17	0.77
193.33						
	10.73	14.17	0.76	10.76	14.17	0.76
186.67						
	10.66	14.17	0.75	10.59	14.17	0.75
180.00						
	10.54	13.10	0.80	10.56	13.10	0.81
173.33						
	10.56	13.10	0.81	10.48	13.10	0.80
166.67						
	10.51	13.10	0.80	10.54	13.10	0.80
160.00						
	11.59	11.64	1.00	11.50	11.64	0.99
150.00						
	11.51	11.64	0.99	11.52	11.64	0.99
140.00						
	11.61	15.88	0.73	11.53	15.88	0.73
130.00						
	11.70	15.88	0.74	11.68	15.88	0.74
120.00						
	11.88	13.59	0.87	11.81	13.59	0.87
110.00						
	12.04	13.59	0.89	12.02	13.59	0.88
100.00						
	12.30	17.02	0.72	12.23	17.02	0.72
90.00						
	12.55	17.02	0.74	12.52	17.02	0.74
80.00						
	12.85	18.13	0.71	12.78	18.13	0.71
70.00						
	13.11	18.13	0.72	13.08	18.13	0.72
60.00						
	13.40	16.06	0.83	13.36	16.06	0.83
50.00						
	13.69	16.06	0.85	13.67	16.06	0.85
40.00						
	14.50	20.48	0.71	14.33	20.48	0.70
33.33						
	18.58	31.46	0.59	18.52	31.46	0.59
20.00						
	14.86	18.66	0.80	14.80	18.66	0.79
13.33						
	18.79	29.38	0.64	18.75	29.38	0.64
0.00						

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

----------LOAD---COMPONENTS----------	TOTAL

NORTH	EAST	DOWN	UPLIFT	SHEAR
57.16 G	-49.11 C	587.07 G	-509.11 M	57.16 G

MAXIMUM TOTAL LOADS ON FOUNDATION : (kip & kip-ft)

------HORIZONTAL----- NORTH	EAST	TOTAL @ 0.0	DOWN	---------OVERTURNING--------- NORTH	EAST	TOTAL @ 0.0	TORSION
94.9 G	-90.2 D	94.9 G	244.2 g	14879.3 G	-14232.1 D	14879.3 G	-49.7 N

 on: 26 oct 2020 at: 16:11:18

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

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

LOADING CONDITION A

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

MAST LOADING

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	260.0	0.00	0.0	0.0	0.09	0.13	0.00	0.00
C	250.0	0.00	0.0	0.0	3.06	6.00	0.00	0.00
C	238.0	0.00	0.0	0.0	2.27	4.00	0.00	0.00
C	226.0	0.00	0.0	0.0	2.25	4.00	0.00	0.00
C	214.0	0.00	0.0	0.0	2.23	4.00	0.00	0.00
D	255.0	0.00	180.0	0.0	0.02	0.04	0.00	0.00
D	250.0	0.00	180.0	0.0	0.02	0.04	0.00	0.00
D	250.0	0.00	42.7	0.0	0.04	0.06	0.06	0.04
D	240.0	0.00	44.9	0.0	0.04	0.06	0.06	0.04
D	240.0	0.00	63.8	0.0	0.05	0.09	0.06	0.05
D	235.0	0.00	63.8	0.0	0.05	0.09	0.06	0.05
D	235.0	0.00	78.9	0.0	0.06	0.10	0.07	0.05
D	225.0	0.00	84.0	0.0	0.06	0.10	0.06	0.04
D	225.0	0.00	103.5	0.0	0.07	0.12	0.05	0.02
D	220.0	0.00	103.5	0.0	0.07	0.12	0.05	0.02
D	220.0	0.00	99.2	0.0	0.07	0.15	0.04	0.02
D	213.3	0.00	99.2	0.0	0.07	0.15	0.04	0.02
D	213.3	0.00	300.0	0.0	0.07	0.17	0.03	0.01
D	200.0	0.00	300.0	0.0	0.07	0.17	0.03	0.01
D	200.0	0.00	300.0	0.0	0.08	0.19	0.03	0.01
D	180.0	0.00	300.0	0.0	0.08	0.20	0.03	0.01
D	180.0	0.00	300.0	0.0	0.08	0.22	0.03	0.01
D	160.0	0.00	300.0	0.0	0.08	0.22	0.03	0.01
D	160.0	0.00	300.0	0.0	0.08	0.23	0.03	0.01
D	140.0	0.00	300.0	0.0	0.08	0.23	0.03	0.01
D	140.0	0.00	300.0	0.0	0.08	0.24	0.03	0.01
D	120.0	0.00	300.0	0.0	0.09	0.25	0.03	0.01
D	120.0	0.00	300.0	0.0	0.08	0.29	0.03	0.01
D	80.0	0.00	300.0	0.0	0.09	0.32	0.03	0.01
D	80.0	0.00	300.0	0.0	0.09	0.32	0.03	0.01
D	40.0	0.00	300.0	0.0	0.09	0.33	0.03	0.01
D	40.0	0.00	300.0	0.0	0.07	0.31	0.03	0.01
D	33.3	0.00	300.0	0.0	0.07	0.31	0.03	0.01
D	33.3	0.00	300.0	0.0	0.08	0.36	0.03	0.01
D	20.0	0.00	300.0	0.0	0.08	0.36	0.03	0.01
D	20.0	0.00	300.0	0.0	0.07	0.35	0.03	0.01
D	13.3	0.00	300.0	0.0	0.07	0.35	0.03	0.01
D	13.3	0.00	300.0	0.0	0.08	0.42	0.03	0.01
D	0.0	0.00	300.0	0.0	0.08	0.42	0.03	0.01

MAXIMUM MAST DISPLACEMENTS:
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ELEV ft	DEFLECTIONS (ft) NORTH	EAST	DOWN	TILTS (DEG) NORTH	EAST	TWIST DEG
255.0	0.984 G	0.945 J	0.015 G	0.449 G	0.432 J	-0.028 F
250.0	0.945 G	0.908 J	0.015 G	0.450 G	0.432 J	-0.028 F
245.0	0.904 G	0.868 J	0.015 G	0.448 G	0.430 J	-0.027 F
240.0	0.865 G	0.830 J	0.014 G	0.442 G	0.425 J	-0.026 F
235.0	0.825 G	0.793 J	0.014 G	0.434 G	0.417 J	-0.025 F
230.0	0.787 G	0.756 J	0.013 G	0.424 G	0.407 J	-0.024 F
225.0	0.750 G	0.720 J	0.013 G	0.410 G	0.394 J	-0.023 F
220.0	0.713 G	0.685 J	0.012 G	0.393 G	0.378 J	-0.022 F
213.3	0.667 G	0.640 J	0.012 G	0.380 G	0.365 J	0.022 H
206.7	0.621 G	0.596 J	0.012 G	0.364 G	0.350 J	0.022 H
200.0	0.579 G	0.555 J	0.011 G	0.346 G	0.332 J	0.021 H
193.3	0.537 G	0.516 J	0.011 G	0.331 G	0.318 J	0.021 H
186.7	0.498 G	0.478 J	0.010 G	0.316 G	0.303 J	0.020 H
180.0	0.461 G	0.442 J	0.010 G	0.299 G	0.287 J	0.020 H
173.3	0.425 G	0.408 J	0.009 G	0.286 G	0.275 J	0.019 H
166.7	0.391 G	0.375 J	0.009 G	0.273 G	0.262 J	0.018 H
160.0	0.359 G	0.344 J	0.009 G	0.259 G	0.249 J	0.017 H
150.0	0.314 G	0.301 J	0.008 G	0.238 G	0.229 J	0.016 H
140.0	0.273 G	0.261 J	0.008 G	0.217 G	0.208 J	0.015 H
130.0	0.235 G	0.225 J	0.007 G	0.195 G	0.187 J	0.014 H
120.0	0.201 G	0.193 J	0.006 G	0.173 G	0.166 J	0.013 H
110.0	0.171 G	0.163 J	0.006 G	0.159 G	0.152 J	0.011 H
100.0	0.142 G	0.136 J	0.006 G	0.144 G	0.138 J	0.010 H
90.0	0.117 G	0.112 J	0.005 G	0.129 G	0.124 J	0.009 H
80.0	0.094 G	0.090 J	0.005 G	0.115 G	0.110 J	0.008 H
70.0	0.073 G	0.070 J	0.004 G	0.100 G	0.096 J	0.007 H
60.0	0.055 G	0.053 J	0.004 K	0.085 G	0.081 J	0.006 H
50.0	0.037 G	-0.036 D	0.003 K	0.069 G	0.066 J	0.005 H
40.0	0.022 G	-0.021 D	0.002 K	0.054 G	0.052 J	0.004 H
33.3	0.016 G	0.016 J	0.002 K	0.044 G	0.042 J	0.003 H
20.0	0.007 G	0.006 J	0.001 K	0.024 G	0.023 J	0.002 H
13.3	0.003 G	0.003 J	0.001 K	0.016 G	0.015 J	0.001 H
0.0	0.000 A	0.000 A	0.000 A	0.000 A	0.000 A	0.000 A

MAXIMUM TENSION IN MAST MEMBERS (kip)
==========

ELEV ft	LEGS	DIAG	HORIZ	BRACE
255.0	----------		0.36 A	0.00 A
	0.17 G	0.43 G		
250.0	----------		0.05 K	0.00 A
	0.00 A	1.35 H		
245.0	----------		0.07 I	0.00 A
	2.44 A	1.37 B		
240.0	----------		0.02 K	0.00 A
	4.47 A	1.82 A		
235.0	----------		0.05 A	0.00 A
	7.86 A	2.15 H		
230.0	----------		0.03 A	0.00 A
	11.30 A	2.20 H		
225.0	----------		0.02 A	0.00 A
	14.60 A	2.82 B		
220.0	----------		0.07 A	0.00 A
	19.87 A	3.07 H		
213.3	----------		0.02 C	0.00 A
	24.92 A	3.68 H		
206.7	----------		0.07 A	0.00 A
	31.94 A	3.63 H		
200.0	----------		0.01 A	0.00 A
	37.80 A	3.47 L		
193.3	----------		0.04 A	0.00 A
	43.75 A	3.47 F		
186.7	----------		0.01 A	0.00 A
	48.93 A	3.39 L		
180.0	----------		0.04 A	0.00 A
	54.19 A	3.42 L		
173.3	----------		0.03 A	0.00 A
	58.87 A	3.36 L		
166.7	----------		0.03 A	0.00 A
	63.62 A	3.42 L		
160.0	----------		0.03 A	0.00 A
	68.97 A	3.70 L		
150.0	----------		0.05 A	0.00 A
	75.44 A	3.75 L		
140.0	----------		0.02 A	0.00 A
	81.35 A	3.74 F		
130.0	----------		0.05 A	0.00 A
	87.23 A	3.82 L		
120.0	----------		0.02 A	0.00 A
	92.68 A	3.85 F		
110.0	----------		0.03 A	0.00 A
	98.03 A	3.94 F		
100.0	----------		0.02 A	0.00 A
	103.11 A	4.01 L		
90.0	----------		0.03 A	0.00 A
	108.18 A	4.12 F		

80.0	----------		0.02	A	0.00 A
	113.05	A 4.20 F			
70.0	----------		0.02	A	0.00 A
	117.91	A 4.31 F			
60.0	----------		0.03	C	0.00 A
	122.62	A 4.41 F			
50.0	----------		0.02	G	0.00 A
	127.30	A 4.53 L			
40.0	----------		0.10	A	0.00 A
	133.01	A 4.72 F			
33.3	----------		0.28	I	0.00 J
	131.86	A 6.13 F			
20.0	----------		0.04	A	0.00 J
	141.83	A 4.90 L			
13.3	----------		0.26	I	0.00 E
	140.50	A 6.23 L			
0.0	----------		0.00	A	0.00 A

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

ELEV ft	LEGS	DIAG	HORIZ	BRACE
255.0	----------		-0.30 G	0.00 A
	-0.23 A	-0.52 A		
250.0	----------		-0.04 E	0.00 A
	-3.68 G	-1.46 B		
245.0	----------		-0.04 C	0.00 A
	-7.05 G	-1.32 H		
240.0	----------		-0.01 E	0.00 A
	-10.77 G	-1.96 G		
235.0	----------		-0.02 G	0.00 A
	-15.75 G	-2.13 B		
230.0	----------		-0.01 G	0.00 A
	-20.00 G	-2.28 B		
225.0	----------		0.00 A	0.00 A
	-25.90 G	-2.88 H		
220.0	----------		-0.04 G	0.00 A
	-32.08 G	-3.08 B		
213.3	----------		-0.01 I	0.00 A
	-40.21 G	-3.80 H		
206.7	----------		-0.04 G	0.00 A
	-48.26 G	-3.58 H		
200.0	----------		0.00 A	0.00 A
	-54.90 G	-3.56 F		
193.3	----------		-0.03 G	0.00 A
	-61.97 G	-3.44 L		
186.7	----------		0.00 G	0.00 A
	-68.07 G	-3.46 F		
180.0	----------		-0.02 G	0.00 A
	-74.48 G	-3.39 L		
173.3	----------		-0.02 G	0.00 A
	-80.21 G	-3.44 L		
166.7	----------		-0.02 G	0.00 A
	-86.19 G	-3.39 L		
160.0	----------		-0.02 G	0.00 A
	-92.89 G	-3.79 L		
150.0	----------		-0.03 G	0.00 A
	-101.25 G	-3.74 L		
140.0	----------		-0.01 G	0.00 A
	-108.93 G	-3.81 L		
130.0	----------		-0.03 G	0.00 A
	-116.78 G	-3.83 F		
120.0	----------		-0.01 G	0.00 A
	-124.27 G	-3.92 L		
110.0	----------		-0.02 G	0.00 A
	-131.95 G	-3.97 L		
100.0	----------		-0.01 G	0.00 A
	-139.33 G	-4.07 F		
90.0	----------		-0.02 G	0.00 A
	-146.82 G	-4.14 F		
80.0	----------		-0.01 G	0.00 A
	-154.11 G	-4.26 F		
70.0	----------		-0.01 G	0.00 A
	-161.48 G	-4.34 F		
60.0	----------		-0.03 I	0.00 A
	-168.71 G	-4.45 F		
50.0	----------		-0.03 A	0.00 A
	-175.96 G	-4.55 F		
40.0	----------		-0.06 G	0.00 A
	-183.82 G	-4.82 C		
33.3	----------		-0.38 C	0.00 E
	-184.97 G	-6.19 F		
20.0	----------		-0.02 G	0.00 E
	-198.12 G	-4.96 F		
13.3	----------		-0.38 C	0.00 A
	-199.44 G	-6.26 F		
0.0	----------		0.00 A	0.00 A

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

LOAD---COMPONENTS				TOTAL
NORTH	EAST	DOWN	UPLIFT	SHEAR
19.70 G	-16.93 C	207.89 G	-146.60 A	19.70 G

MAXIMUM TOTAL LOADS ON FOUNDATION : (kip & kip-ft)

HORIZONTAL			DOWN	OVERTURNING			TORSION
NORTH	EAST	TOTAL @ 0.0		NORTH	EAST	TOTAL @ 0.0	
31.2 G	29.7 J	31.2 G	82.1 K	4846.6 G	4639.4 J	4846.6 G	15.9 H

Leg Connection Details												
Bottom Elevation (ft)	Top Elevation (ft)	Pipe Dimensions	Top Splice					Bottom Splice/Base				
			Bolt Qty.	Bolt Dia. (in)	Bolt Circle (in)	Plate Thickness (in)	Plate Dia. (in)	Bolt Qty.	Bolt Dia. (in)	Bolt Circle (in)	Plate Thickness (in)	Plate Dia. (in)
240	255	2.875 OD X .203						6	0.75	6.50	1.00	8.50
220	240	3.500 OD X .216	6	0.75	6.50	1.00	8.50	6	1.00	9.00	1.25	11.50
200	220	4.500 OD X .337	6	1.00	9.00	1.25	11.50	6	1.00	9.00	1.25	11.50
180	200	5.563 OD X .375	6	1.00	9.00	1.25	11.50	6	1.00	9.00	1.25	11.50
160	180	5.563 OD X .500	6	1.00	9.00	1.25	11.50	6	1.25	12.50	1.75	15.75
140	160	8.625 OD X .322	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	15.75
120	140	8.625 OD X .322	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	15.75
100	120	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	15.75
80	100	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	15.75
60	80	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	15.75
40	60	8.625 OD X .500	6	1.25	12.50	1.50	15.75	6	1.25	12.50	1.50	15.75
20	40	8.625 OD X .500	6	1.25	12.50	1.50	15.75	8	1.50	17.25	2.00	21.00
0	20	10.75 OD X .500	8	1.50	17.25	2.00	21.00	6	1.50	15.50	1.75	19.25

Diagonal Bracing Connection Details								
Bottom Elevation (ft)	Top Elevation (ft)	Angle Shape	Bolt Qty.	Bolt Dia. (in)	Bolt End Distance (in)	Bolt Spacing (in)	Gage Distance From Heel (in)	Gusset Plate Thickness (in)
240	255	L 1 3/4 X 1 3/4 X 1/8	1	0.625	1.500		1.000	0.375
220	240	L 2 X 2 X 3/16	1	0.625	1.500		1.125	0.375
200	220	L 2 1/2 X 2 1/2 X 3/16	1	0.625	1.500		1.375	0.375
180	200	L 3 X 3 X 3/16	1	0.625	1.500		1.750	0.375
160	180	L 3 X 3 X 3/16	1	0.750	1.500		1.750	0.375
140	160	L 3 X 3 X 1/4	1	0.750	1.625		1.750	0.375
120	140	L 3 1/2 X 3 1/2 X 1/4	1	0.750	1.625		1.750	0.375
100	120	L 3 1/2 X 3 1/2 X 1/4	1	0.750	1.625		1.750	0.375
80	100	L 4 X 4 X 1/4	1	0.750	1.625		2.000	0.375
60	80	L 4 X 4 X 1/4	2	0.625	1.625	2.1250	2.000	0.500
40	60	L 4 X 4 X 1/4	2	0.625	1.625	2.1250	2.000	0.500
33.33	40	L 4 X 4 X 1/4	2	0.750	1.625	2.5000	2.000	0.500
20	33.33	L 5 X 3 1/2 X 1/4 (SLV)	2	0.750	1.625	2.5000	1.750	0.500
13.33	20	L 4 X 4 X 1/4	2	0.750	1.625	2.5000	2.000	0.500
0	13.33	L 5 X 3 1/2 X 1/4 (SLV)	2	0.750	1.625	2.5000	1.750	0.500

MAT FOUNDATION DESIGN BY SABRE INDUSTRIES

255' S3TL Series HD1 AT&T Moors Camp, KY (470123) 2020-10-26 DJH

Overall Loads:			
Factored Moment (ft-kips)	14879.26		
Factored Axial (kips)	244.18		
Factored Shear (kips)	94.92		
Individual Leg Loads:		Tower eccentric from mat (ft)=	2.5
Factored Uplift (kips)	509.00		
Factored Download (kips)	587.00		
Factored Shear (kips)	57.00		
Width of Tower (ft)	31	Allowable Bearing Pressure (ksf)	15.00
Ultimate Bearing Pressure	30.00	Safety Factor	2.00
Bearing Φs	0.75		
Bearing Design Strength (ksf)	22.5	Max. Factored Net Bearing Pressure (ksf)	2.84
Water Table Below Grade (ft)	999		
Width of Mat (ft)	38	Minimum Mat Width (ft)	37.83
Thickness of Mat (ft)	1.5		
Depth to Bottom of Slab (ft)	7		
Bolt Circle Diameter (in)	15.5		
Effective Anchor Bolt Embedment	65.125		
Diameter of Pier (ft)	4.5	Minimum Pier Diameter (ft)	2.63
Ht. of Pier Above Ground (ft)	0.5	Equivalent Square b (ft)	3.99
Ht. of Pier Below Ground (ft)	5.5		
Quantity of Bars in Mat	64		
Bar Diameter in Mat (in)	1.27		
Area of Bars in Mat (in^2)	81.07		
Spacing of Bars in Mat (in)	7.12	Recommended Spacing (in)	6 to 12
Quantity of Bars Pier	26		
Bar Diameter in Pier (in)	0.875		
Tie Bar Diameter in Pier (in)	0.5		
Spacing of Ties (in)	4		
Area of Bars in Pier (in^2)	15.63	Minimum Pier A_s (in^2)	11.45
Spacing of Bars in Pier (in)	5.56	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)	90.83		

MAT FOUNDATION DESIGN BY SABRE INDUSTRIES (CONTINUED)

Two-Way Shear:

Average d (in)	13.73		
ϕv_c (ksi)	0.201	v_u (ksi)	0.177
$\phi v_c = \phi(2 + 4/\beta_c)f'_c{}^{1/2}$	0.302		
$\phi v_c = \phi(\alpha_s d/b_o+2)f'_c{}^{1/2}$	0.213		
$\phi v_c = \phi 4f'_c{}^{1/2}$	0.201		
Shear perimeter, b_o (in)	246.35		
β_c	1		

Stability:

Overturning Design Strength (ft-k)	21713.9	Factored Overturning Moment (ft-k)	15591.2

One-Way Shear:

ϕV_c (kips)	630.0	V_u (kips)	559.0

Pier Design:

Design Tensile Strength (kips)	844.3	Tu (kips)	509.0

Shear:

ϕ	0.75		
V_c (kips)	173.9		
V_s (kips)	254.5	$V_{s,max}$ (kips)	1251.9
ϕV_n (kips)	321.2	V_u (kips)	57.0
Maximum Spacing (in)	8.67	(Only if Shear Ties are Required)	
Actual Hook Development (in)	12.46	Req'd Hook Development l_{dh} (in) - Tension	10.96
		Req'd Hook Development l_{dc} (in) - Compression	11.81

Anchor Bolt Pull-Out:

$N_{ua} / \phi N_n$	0.77	$V_{ua} / \phi V_n$	0.17
Pier Rebar Development Length (in)	51.40	Required Length of Development (in)	23.48

Flexure in Slab:

ϕM_n (ft-kips)	4500.4	M_u (ft-kips)	4489.6
a (in)	2.79		
Steel Ratio	0.01295		
β_1	0.825		
Maximum Steel Ratio (ρ_t)	0.0197		
Minimum Steel Ratio	0.0018		

Condition	1 is OK, 0 Fails
Minimum Mat Width	1
Maximum Soil Bearing Pressure	1
Pier Area of Steel	1
Pier Shear	1
Two-Way Shear	1
Overturning	1
Anchor Bolt Pull-Out	1
Flexure	1
Steel Ratio	1
One-Way Shear	1
Hook Development	1
Minimum Mat Depth	1
Anchor Bolt Punching Shear	1

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

KY Public Service Commission

Master Utility Search

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

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

Active

Search

	Utility ID	Utility Name	Utility Type	Class	City	State
View	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	4106600	Cintex Wireless, LLC	Cellular	D	Houston	TX
View	4111150	Comcast OTR1, LLC	Cellular	C	Phoeniexville	PA
View	4101900	Consumer Cellular, Incorporated	Cellular	A	Portland	OR
View	4106400	Credo Mobile, Inc.	Cellular	A	San Francisco	CA
View	4108850	Cricket Wireless, LLC	Cellular	A	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	D	Long Island City	NY
View	10640	Cumberland Cellular Partnership	Cellular	A	Elizabethtown	KY
View	4111650	DataBytes, Inc.	Cellular	D	Rogers	AR
View	4112000	DISH Wireless L.L.C.	Cellular	C	Englewood	CO
View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	C	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK
View	4110450	Excellus Communications, LLC	Cellular	D	Chattanooga	TN
View	4105900	Flash Wireless, LLC	Cellular	C	Concord	NC
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Oak Hill	VA
View	4111750	Gabb Wireless, Inc.	Cellular	D	Provo	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Norcross	GA
View	4102200	Globalstar USA, LLC	Cellular	B	Covington	LA
View	4112050	GLOTELL US, Corp.	Cellular	C	Hallandale	FL
View	4109600	Google North America Inc.	Cellular	A	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	10630	GTE Wireless of the Midwest dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4111350	HELLO MOBILE TELECOM LLC	Cellular	D	Dania Beach	FL
View	4103100	i-Wireless, LLC	Cellular	B	Newport	KY
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	D	Dallas	TX
View	4111950	J Rhodes Enterprises LLC	Cellular	C	Gulf Breeze	FL
View	22215360	KDDI America, Inc.	Cellular	D	Staten Island	NY
View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	10680	Kentucky RSA #3 Cellular General	Cellular	A	Elizabethtown	KY

View	10681	Kentucky RSA #4 Cellular General	Cellular	A	Elizabethtown	KY
View	4109550	Kynect Communications, LLC	Cellular	D	Dallas	TX
View	4111250	Liberty Mobile Wireless, LLC	Cellular	D	Sunny Isles Beach	FL
View	4111400	Locus Telecommunications, LLC	Cellular	A	Fort Lee	NJ
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	D	Costa Mesa	CA
View	4109650	Mitel Cloud Services, Inc.	Cellular	D	Mesa	AZ
View	4111850	Mobi, Inc.	Cellular	C	Honolulu	HI
View	4202400	New Cingular Wireless PCS, LLC dba AT&T Mobility, PCS	Cellular	A	San Antonio	TX
View	4000800	Nextel West Corporation	Cellular	D	Overland Park	KS
View	4001300	NPCR, Inc. dba Nextel Partners	Cellular	D	Overland Park	KS
View	4001800	OnStar, LLC	Cellular	A	Detroit	MI
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4109050	Patriot Mobile LLC	Cellular	D	Irving	TX
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4107700	Puretalk Holdings, LLC	Cellular	A	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL
View	4108700	Ready Wireless, LLC	Cellular	C	Hiawatha	IA
View	4110500	Republic Wireless, Inc.	Cellular	A	Raleigh	NC
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	D	Los Angeles	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	D	Fremont	NE
View	4110150	Spectrotel, Inc. d/b/a Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	A	St. Louis	MO
View	4200100	Sprint Spectrum, L.P.	Cellular	A	Atlanta	GA
View	4200500	SprintCom, Inc.	Cellular	A	Atlanta	GA
View	4111600	STX Group LLC dba Twigby	Cellular	D	Murfreesboro	TN
View	4110200	T C Telephone LLC d/b/a Horizon Cellular	Cellular	D	Red Bluff	CA
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobile, LLC	Cellular	D	Plano	TX
View	4109700	Telecom Management, Inc. dba Pioneer Telephone	Cellular	D	Portland	ME
View	4107200	Telefonica USA, Inc.	Cellular	D	Miami	FL

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

EXHIBIT E
FAA

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

Aeronautical Study No.
2020-ASO-21955-OE

Issued Date: 08/19/2020

Sandra Wiley
AT&T (SBW)
208 S. Akard St.
Dallas, TX 75202

**** 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 Moors Camp
Location:	Gilbertsville, KY
Latitude:	36-55-54.80N NAD 83
Longitude:	88-14-56.80W
Heights:	435 feet site elevation (SE)
	270 feet above ground level (AGL)
	705 feet above mean sea level (AMSL)

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

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

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

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

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

This determination expires on 02/19/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

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

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

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

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

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-ASO-21955-OE.

Signature Control No: 446298824-448757555 (DNE)
Angelique Eersteling
Technician

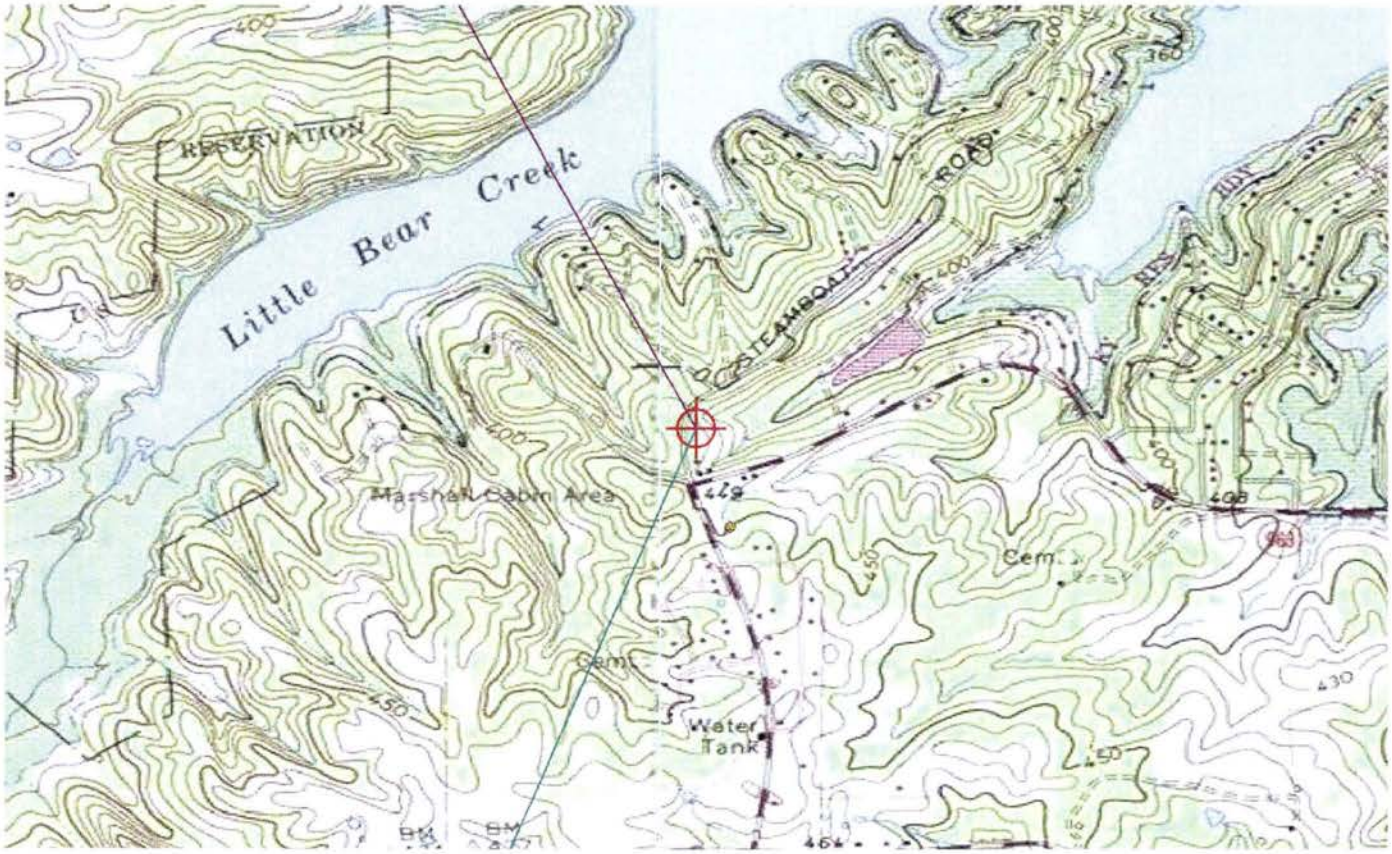
Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2020-ASO-21955-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

Verified Map for ASN 2020-ASO-21955-OE



TOPO Map for ASN 2020-ASO-21955-OE

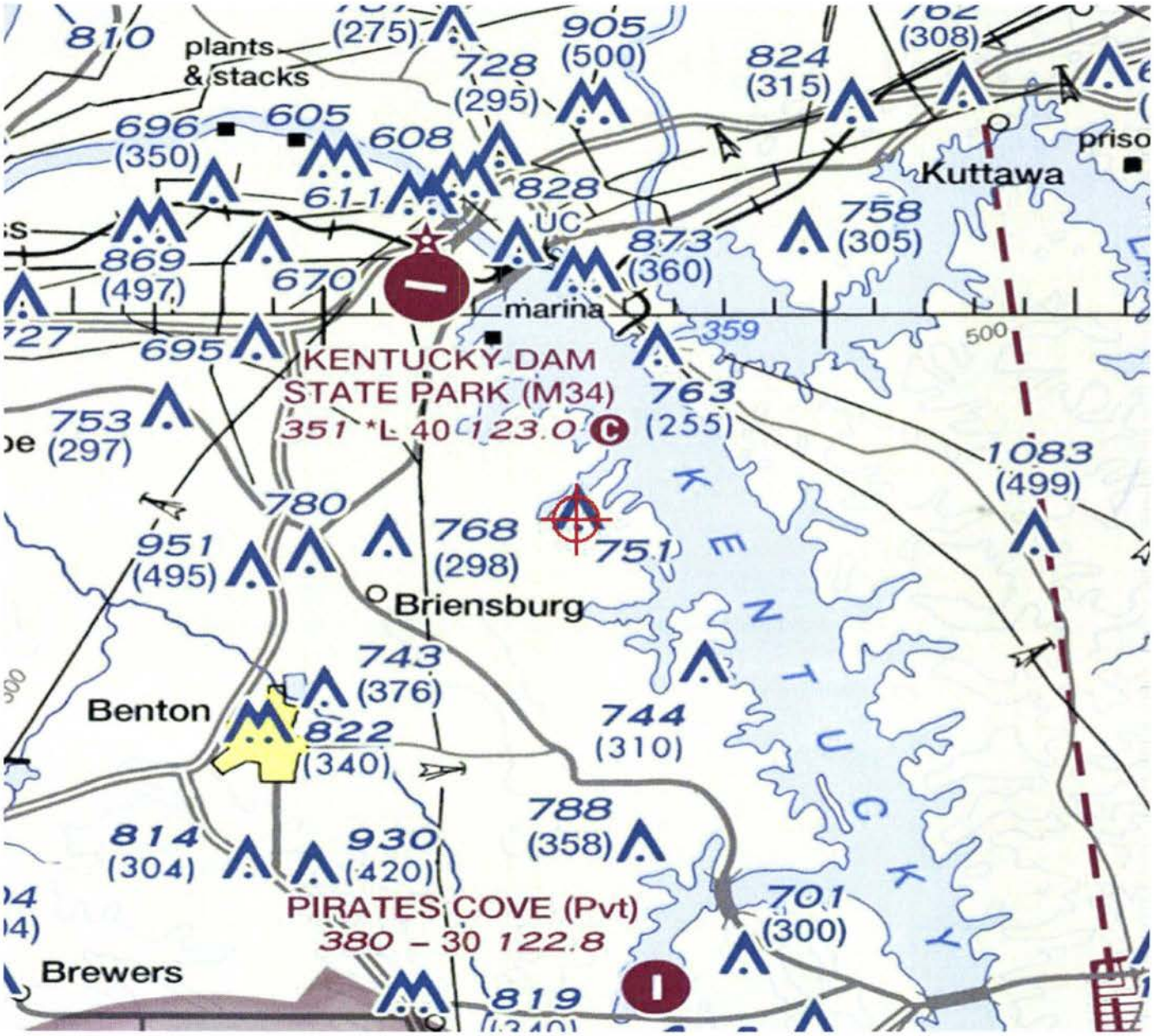

810
plants
& stacks
(275)
905
(500)
728
(295)
824
(315)
(308)
696
(350)
605
608
828
UC
Kuttawa
priso
758
(305)
873
(360)
869
(497)
670
marina
359
500
695
KENTUCKY DAM
STATE PARK (M34)
351 *L 40 123.0 C
763
(255)
753
(297)
1083
(499)
780
768
(298)
751
951
(495)
Briensburg
743
(376)
Benton
822
(340)
744
(310)
788
(358)
814
(304)
930
(420)
PIRATES COVE (Pvt)
380 – 30 122.8
701
(300)
Brewers
819

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
John Monday
Cody Knox
3300 E. Renner Road, B3132
Richardson, TX 75082

SUBJECT: AS-MARSHALL-M34-2020-079

STRUCTURE:	Antenna Tower
LOCATION:	Gilbertsville, KY
COORDINATES:	36° 55' 54.78" N / 88° 14' 56.76" W
HEIGHT:	270' AGL/705' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 270' AGL/705' AMSL Antenna Tower near Gilbertsville, KY 36° 55' 54.78" N / 88° 14' 56.76" 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

An Equal Opportunity Employer M/F/D

EXHIBIT G
GEOTECHNICAL REPORT

GEOTECHNICAL INVESTIGATION REPORT

October 15, 2020

Prepared For:

MasTec Network Solutions

MasTec

Moors Camp
13356835
Proposed 255-Foot Self-Supporting Tower
Steamboat Road, Gilberysville (Marshall County), Kentucky 42044
Latitude N 36° 55' 54.8" Longitude W 88° 14' 56.8"

Delta Oaks Group Project GEO20-07225-08
Revision 0
geotech@deltaoaksgroup.com

Performed By:

Erin Benson

Erin Benson, E.I.

Reviewed By:

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

INTRODUCTION

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

SITE CONDITION SUMMARY

The proposed tower and compound are located in a densely vegetated field exhibiting a gradually sloping topography across the tower compound and subject property.

REFERENCES

- Zoning Drawings, prepared by MasTec, dated July 30, 2020
- TIA Standard (TIA-222-G), dated August 2005

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of one mechanical soil test borings to auger refusal depths ranging from 6.8 to 8.4 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 10.0 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 logs presented in the Appendix of this report.

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

SUBSURFACE CONDITION SUMMARY

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

FILL

Fill material was not encountered during the subsurface field investigation.

SOIL

The residual soil encountered in the subsurface field investigation began at the existing ground surface in the borings and consisted of silty clay, sandy clay, and lean clay. The materials ranged from a firm to very hard cohesion.

Auger advancement refusal was encountered during the subsurface field investigation at a depth of 8.4, 9.3, and 6.8 feet bgs in borings B-1 through B-3, respectively.

ROCK

Cobbles interbedded with clay were encountered during the subsurface investigation at a depth of 6.8 feet bgs in boring B-3.

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 Marshall County, Kentucky is 20 inches (1.7 feet).

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 9,400 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 – 1.5	CL - ML	105	0	1,000
	1.5 – 4.0	CL - ML	110	0	1,750
	4.0 – 6.0	CL - ML	115	0	2,000
	6.0 – 8.0	CL - ML	120	0	3,250
	8.0 – 8.4	CL - ML	130	0	6,000

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-2	0.0 – 1.5	CL - ML	105	0	1,000
	1.5 – 4.0	CL - ML	110	0	1,500
	4.0 – 6.0	CL - ML	115	0	2,500
	6.0 – 8.0	CL - ML	120	0	3,250
	8.0 – 9.3	CL - ML	130	0	6,000

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-3	0.0 – 1.5	CL	105	0	600
	1.5 – 4.0	CL – ML	110	0	1,500
	4.0 – 6.0	CL – ML	115	0	2,250
	6.0 – 6.8	CL – ML	130	0	6,000
	6.8 – 11.8	COBBLES	130	40	0
	11.8 – 16.8	CL	130	0	6,000

- 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-3	5.0 x 5.0	3.0	10,360
		4.0	16,100
		5.0	16,650
		6.0	Greater Than 30,000
	10.0 x 10.0	3.0	9,810
		4.0	14,990
		5.0	15,270
		6.0	Greater Than 30,000
	15.0 x 15.0	3.0	9,620
		4.0	14,620
		5.0	14,800
		6.0	Greater Than 30,000
	20.0 x 20.0	3.0	9,530
		4.0	14,430
		5.0	14,570
		6.0	Greater Than 30,000
	25.0 x 25.0	3.0	9,470
		4.0	14,320
		5.0	14,430
		6.0	Greater Than 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 1.7 feet bgs is presented on the following page.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.

ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0	105	0	600	0	1	600
Bottom	1.5	105	0	600	157.5	1	678.75
Top	1.5	110	0	1500	157.5	1	1578.75
Bottom	1.7	110	0	1500	179.5	1	1589.75
Top	1.7	110	0	1500	179.5	1	3179.5
Bottom	4	110	0	1500	432.5	1	3432.5
Top	4	115	0	2250	432.5	1	4932.5
Bottom	6	115	0	2250	662.5	1	5162.5
Top	6	130	0	6000	662.5	1	12662.5
Bottom	6.8	130	0	6000	766.5	1	12766.5
Top	6.8	130	40	0	766.5	4.59891	3525.064
Bottom	10	130	40	0	1182.5	4.59891	5438.211

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-3	0.0 – 3.0	-	-	-
	4.0 – 6.0	15,620	820	820
	4.0 – 6.8	16,670	1,230	1,230
	6.8 – 11.8	26,700	430	320
	11.8 – 16.8	53,550	2,040	2,040

- The top 3.0 feet of soil should be ignored due to 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-3	2.0	9,340	2.0	300
	3.0	10,120		
	4.0	16,350		450

- 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	105	0	600	0	1	600
Bottom	1.5	105	0	600	157.5	1	678.75
Top	1.5	110	0	1500	157.5	1	1578.75
Bottom	1.7	110	0	1500	179.5	1	1589.75
Top	1.7	110	0	1500	179.5	1	3179.5
Bottom	4	110	0	1500	432.5	1	3432.5
Top	4	115	0	2250	432.5	1	4932.5
Bottom	6	115	0	2250	662.5	1	5162.5
Top	6	130	0	6000	662.5	1	12662.5
Bottom	6.8	130	0	6000	766.5	1	12766.5
Top	6.8	130	40	0	766.5	4.59891	3525.064
Bottom	10	130	40	0	1182.5	4.59891	5438.211

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 MasTec Network Solutions. 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

PROJECT NAME Moors Camp (GEO20-07225-08)

CLIENT MasTec

PROJECT NUMBER 13356835

Boring No.: B-1

PROJECT LOCATION Steamboat Road, Gilberysville, Kentucky 28409

DATE DRILLED : 10/9/2020

DRILLING METHOD : Hollow Stem Auger

GROUND ELEVATION : 444

BORING DEPTH (ft) : 8.4

GROUND WATER LEVELS:

AT TIME OF DRILLING : --- Not Encountered

AT END OF DRILLING : --- Not Measured

AFTER DRILLING : --- Not Measured

DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE
0	SILTY CLAY (CL - ML), firm, brown, with sand, moist		CL-ML		3	4	4	8
	-- Stiff, brown and gray				4	6	8	14
5	-- Very stiff, brown				7	7	9	16
					11	10	14	24
	-- Very hard, No Recovery				50/6"			100
10	Refusal at 8.4 feet. Bottom of borehole at 8.4 feet.							
15								
20								

▲ SPT N VALUE ▲

10 20 30 40 50 60 70 80 90

PROJECT NAME Moors Camp (GEO20-07225-08)

CLIENT MasTec

PROJECT NUMBER 13356835

Boring No.: B-2

PROJECT LOCATION Steamboat Road, Gilberysville, Kentucky 28409

DATE DRILLED : 10/9/2020

DRILLING METHOD : Hollow Stem Auger

GROUND ELEVATION : 444

BORING DEPTH (ft) : 9.3

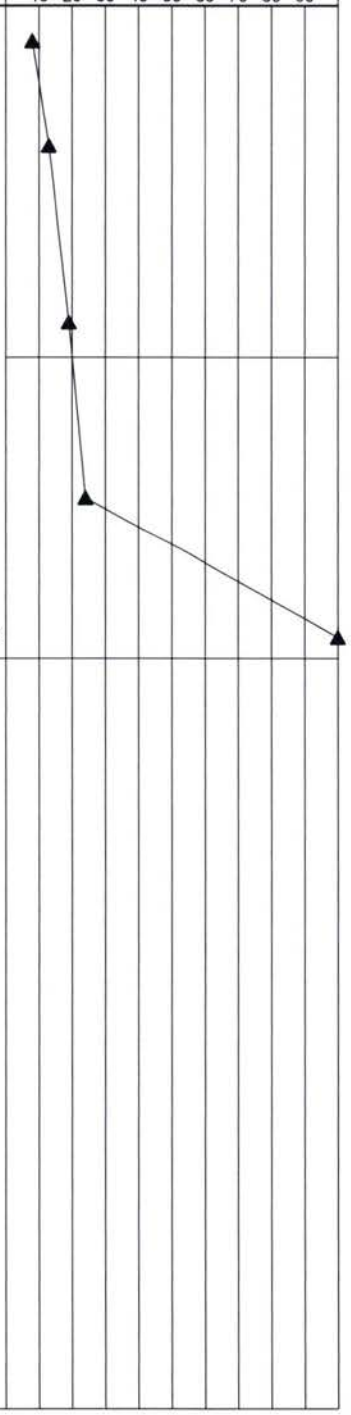
GROUND WATER LEVELS:

AT TIME OF DRILLING : --- Not Encountered

AT END OF DRILLING : --- Not Measured

AFTER DRILLING : --- Not Measured

DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE
0	SILTY CLAY (CL), firm, brown, with sand, moist		CL-ML		3	4	4	8
	-- Stiff, brown and gray				4	6	7	13
5	-- Very stiff, brown				5	9	10	19
	-- Trace gravel				7	10	14	24
	-- Very hard, No Recovery				50/6"			100
10	Refusal at 9.3 feet. Bottom of borehole at 9.3 feet.							
15								
20								



PROJECT NAME Moors Camp (GEO20-07225-08) **CLIENT** MasTec

PROJECT NUMBER 13356835 **Boring No.: B-3** PAGE 1 OF 1

PROJECT LOCATION Steamboat Road, Gilberysville, Kentucky 28409

DATE DRILLED : 10/9/2020

DRILLING METHOD : Hollow Stem Auger

GROUND ELEVATION : 444

BORING DEPTH (ft) : 16.8

GROUND WATER LEVELS:

AT TIME OF DRILLING : --- Not Encountered

AT END OF DRILLING : --- Not Measured

AFTER DRILLING : --- Not Measured

DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE
0	SANDY LEAN CLAY (CL), firm, brown, trace silt, moist		CL		3	3	3	6
	SILTY CLAY (CL - ML), stiff, brown and gray, with sand, moist		CL-ML		3	6	7	13
5	-- Very stiff				4	6	12	18
	-- Very hard, No Recovery				50/6"			100
	COBBLES WITH CLAY				REC 0%	RQD 0%		
10								
	LEAN CLAY (CL), gray and orange, trace sand, moist		CL		REC 93%			
15								
	Refusal at 6.8 feet. Bottom of borehole at 16.8 feet.							
20								

▲ 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 Marshall County Clerk's office, located at 1101 Main Street, Benton, Kentucky 42025, head south (toward E 12th Street) on Main Street and travel approximately 154 feet.
2. Turn left at the first cross street onto E 12th Street and travel for approximately 0.5 miles.
3. Turn left onto KY-1462 N / Benton-Birmingham Road and travel approximately 4.1 miles.
4. Turn left onto US-68 and travel approximately 0.5 miles.
5. Turn right onto State Hwy 963 and travel approximately 3.7 miles.
6. Turn left to stay on State Hwy 963 and travel approximately 0.6 miles.
7. Continue straight onto Steamboat Road and travel approximately 0.1 miles. The site is on the right. The Site address is Steamboat Road, Gilbertsville, KY 42044.
8. The site coordinates are:
    a. North 36 deg 55 min 54.78 sec
    b. West 88° deg 14 min 56.76 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

Market: Evansville
Cell Site Number:
Cell Site Name: Moors Camp
Search Ring Name: Moors Camp
Fixed Asset Number: 13356835

OPTION AND LAND LEASE AGREEMENT

THIS OPTION AND LAND LEASE AGREEMENT ("**Agreement**"), dated as of the latter of the signature dates below (the "**Effective Date**"), is entered into by Daniel Slayden and Jill Slayden, husband and wife, having a mailing address of 165 US Highway 68 E, Benton, KY 42025 ("**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd. NE, 3rd Floor, Atlanta, GA 30319 ("**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 Steamboat Road, Gilbertsville, KY 42044 in the County of Marshall, Commonwealth 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 in accordance with the terms of this Agreement.

(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 sixty (60) 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, then 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, the Property or any of Landlord's contiguous, adjoining or surrounding property (the "**Surrounding Property**"), or in the event of a threatened foreclosure on any of the foregoing, 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, the Property or the 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 (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, (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 Landlord's contiguous, adjoining or surrounding property (the "**Surrounding Property**") as may reasonably be required during construction and installation of the Communication Facility. Tenant has the right to install and operate transmission cables from the equipment shelter or cabinet to the antennas, electric lines from the main feed to the equipment shelter or cabinet and communication lines from the Property's main entry point to the equipment shelter or cabinet, install a generator and to make other improvements, alterations, upgrades or additions appropriate for Tenant's Permitted Use, including the right to construct a fence around the Premises or equipment, install warning signs to make individuals aware of risks, install protective barriers, install any other control measures reasonably required by Tenant's safety procedures or applicable law, and undertake any other appropriate means to secure the Premises or equipment at Tenant's expense. Tenant has the right to modify, supplement, replace, upgrade, expand the Communication Facility (including, for example, increasing the number of antennas or adding microwave dishes) or relocate the Communication Facility within the Premises at any time during the Term. Tenant will be allowed to make such alterations to the Property in order to ensure that the Communication Facility complies with all applicable federal, state or local laws, rules or regulations. In the event Tenant desires to modify or upgrade the Communication Facility, in a manner that requires an additional portion of the Property (the "**Additional Premises**") for such modification or upgrade, Landlord agrees to lease to Tenant the Additional Premises, upon the same terms and conditions set forth herein, except that the Rent shall increase, in conjunction with the lease of the Additional Premises by the amount equivalent to the then-current per square foot rental rate charged by Landlord to Tenant times the square footage of the Additional Premises. Landlord agrees to take such actions and enter into and deliver to Tenant such documents as Tenant reasonably requests in order to effect and memorialize the lease of the Additional Premises to Tenant.

3. **TERM.**

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

(b) This Agreement will automatically renew for seventeen (17) additional five (5) year term(s) (each additional five (5) year term shall be defined as an "**Extension Term**"), upon the same terms and conditions set forth herein unless Tenant notifies Landlord in writing of Tenant's intention not to renew this Agreement at least sixty (60) days prior to the expiration of the Initial Term or the 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 hereto by giving to the other party hereto written notice of its intention to so terminate at least six (6) months prior to the end of any such Annual Term. Monthly rent during such Annual Terms shall be [redacted] 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, the 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) Upon the commencement of each Extension Term, the monthly Rent will increase by [redacted] over the Rent paid during the previous five (5) year term.

(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 05 of this Agreement after the applicable cure periods;

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

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

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

(e) by Tenant upon sixty (60) days' prior written notice to Landlord for any reason or no reason, so long as Tenant pays Landlord a termination fee [redacted] provided, however, that no such termination fee will be payable on account of the termination of this Agreement by Tenant under any termination provision contained in any other Section of this Agreement, including the following: Section 5 Approvals, Section 6(a) Termination, Section 6(b) Termination, Section 6(c) Termination, Section 6(d) Termination, Section 11(d) Environmental, Section 08 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 9 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) each 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) Landlord grants to Tenant sole, actual, quiet and peaceful use, enjoyment and possession of the Premises in accordance with the terms of this Agreement 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, then 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 01 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, then 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, 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 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. If Tenant elects to utilize an Unmanned Aircraft System ("**UAS**") in connection with its installation, construction, monitoring, site audits, inspections, maintenance, repair, modification, or alteration activities at the Property, Landlord hereby grants Tenant, or any UAS operator acting on Tenant's behalf, express permission to fly over the applicable Property and Premises, and consents to the use of audio and video navigation and recording in connection with the use of the UAS. 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 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 the 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 the Tenant and may be removed by Tenant at any time during the Term. Within one hundred twenty (120) days after the termination of this Agreement, Tenant will, to the extent reasonable, restore the Premises to its condition at the commencement of the Agreement, reasonable wear and tear and loss by casualty or other causes beyond Tenant's control excepted. Footings, foundations, and concrete will be removed to a depth of two-foot below grade. Notwithstanding the foregoing, Tenant will not be responsible for the replacement of any trees, shrubs, or other vegetation, nor will Tenant be required to remove from the Premises or the Property any underground utilities.

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 0(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, then 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 hereto as follows:

If to Tenant:
New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
Re: Cell Site #: ; Cell Site Name: Moors Camp (KY)
Fixed Asset #: 13356835
1025 Lenox Park Blvd., NE
3rd Floor
Atlanta, Georgia 30319

With a copy to:
New Cingular Wireless PCS, LLC
Attn.: Legal Dept – Network Operations
Re: Cell Site #: ; Cell Site Name: Moors Camp (KY)
Fixed Asset #: 13356835
208 S. Akard Street
Dallas, TX 75202-4206

The copy sent to the Legal Department is an administrative step which alone does not constitute legal notice.

If to Landlord:
Daniel Slayden and Jill Slayden
165 US Highway 68 E
Benton, KY 42025

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 hereto 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 the 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 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 19, 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. TAXES.

(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 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) Tenant shall pay prior to delinquency all taxes or assessments which are imposed on Tenant's leasehold improvements on the Premises, which accrue in connection with the Premises during the Term of this Agreement. Upon request, Tenant shall furnish Landlord with satisfactory evidence that all such taxes which are Tenant's responsibility are paid and current. 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. If Tenant shall fail to pay any taxes required by this Agreement to be paid by Tenant, Landlord shall have the right to pay the same upon ten (10) days written notice to Tenant, and Tenant shall reimburse Landlord therefor, including any interest and penalties upon demand. If Landlord seeks reimbursement from Tenant, Landlord shall 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, Landlord shall provide the following address 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 the 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 2222(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 the 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 22 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 of Lease.** Contemporaneously with the execution of this Agreement, the parties will execute a recordable Memorandum of Lease substantially in the form attached as **Exhibit 24(b)**. 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 New Cingular Wireless PCS, 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) **No Additional Fees/Incidental Fees.** Unless otherwise specified in this Agreement, all rights and obligations set forth in the Agreement shall be provided by Landlord and/or Tenant, as the case may be, at no additional cost. No unilateral fees or additional costs or expenses are to be applied by either party to the other party, for any task or service including, but not limited to, 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.

[SIGNATURES APPEAR ON NEXT PAGE]

IN WITNESS WHEREOF, the parties have caused this Agreement to be effective as of the Effective Date.

"LANDLORD"
Daniel Slayden and Jill Slayden, husband and wife

By: _____
Print Name: Daniel Slayden
Date: 6/5/2020

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky)
) ss:
COUNTY OF Marshall)

On the 5th day of June, 2020 before me, personally appeared Daniel Slayden, who acknowledged under oath, that he/she is the person/officer named in the within instrument, and that he/she executed the same in his/her stated capacity as the voluntary act and deed of the Landlord for the purposes therein contained.

Cara M. Chandler, Notary Public
State At Large, Kentucky
My Commission Expires: 02-12-2022
Notary ID: 593292

_____
Notary Public: 593292
My Commission Expires: 2-12-22

"LANDLORD"

By: _____
Print Name: Jill Slayden
Date: 6/5/20

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky)
) ss:
COUNTY OF Marshall)

On the 5th day of June, 2020 before me, personally appeared Jill Slayden, who acknowledged under oath, that he/she is the person/officer named in the within instrument, and that he/she executed the same in his/her stated capacity as the voluntary act and deed of the Landlord for the purposes therein contained.

Cara M. Chandler, Notary Public
State At Large, Kentucky
My Commission Expires: 02-12-2022
Notary ID: 593292

_____
Notary Public: _____
My Commission Expires: 2-12-22

"TENANT"

New Cingular Wireless PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: _____

Print Name: Chris Tharp
Its: Area Manager – Network Engineering
Date: 7-1-2020

TENANT ACKNOWLEDGMENT

STATE OF KENTUCKY)
) ss:
COUNTY OF JEFFERSON)

On the 1st day of July, 2020, before me personally appeared Chris Tharp, and acknowledged under oath that he/she is the Area Manager – Network Engineering of AT&T Mobility Corporation, the Manager of New Cingular Wireless PCS, LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.

KIMBERLY MACKEY
NOTARY PUBLIC
My Comm. Exp. Mar 18, 2023
KENTUCKY – STATE AT LARGE

Kimberly Mackey
Notary Public: 619636
My Commission Expires: March 18, 2023

EXHIBIT 1

DESCRIPTION OF PROPERTY AND PREMISES

to the Option and Land Lease Agreement dated July 1, 2020, by and between Daniel Slayden and Jill Slayden, husband and wife, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:

A certain tract or parcel of land lying and being in Marshall County, Kentucky, and more particularly described as follows:

TRACT I:

Beginning at a point on the north side of Moore's Camp Road, same beginning point being 250 feet East of Steamboat Road and is the southeast corner of the tract herein described; thence, South 68° 25' West, a distance of 250 feet to a nail and cap on the east side of Steamboat Road; thence, North 15° 45' 10" West, a distance of 275.73 feet to an iron pin; thence, North 15° 14' West along the east side of Steamboat Road a distance of 14.27 feet to an iron pin; thence, North 68° 25' East, a distance of 249.85 feet to an iron pin; thence, South 15° 45' 10" East, a distance of 290 feet to the place of beginning.

Being the same property conveyed to these Grantors by virtue of a deed from PMR, Inc. dated October 15, 2010, of record in Deed Book 401, page 363, Marshall County Court Clerk's Office.

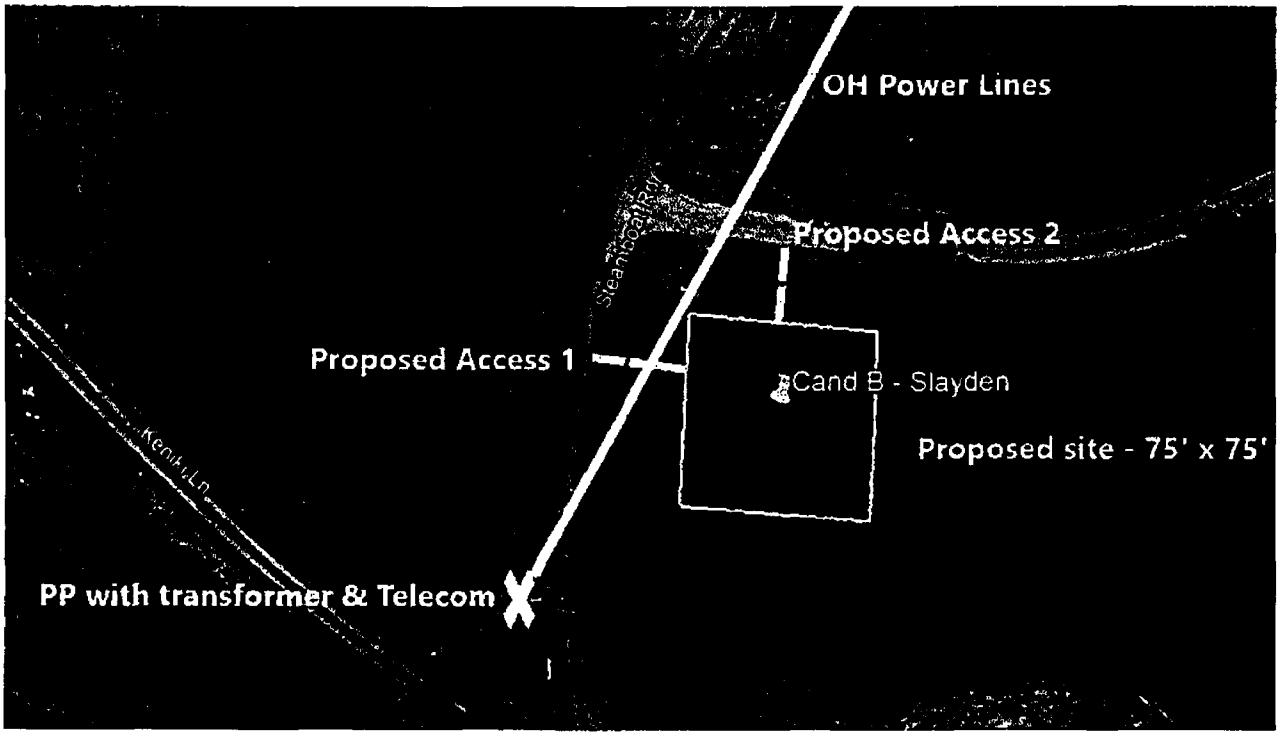
TRACT II:

Lots 10 and 11, Phase I, Arbour Lake Subdivision, more particularly described on Slide 658, Marshall County Court Clerk's Office.

Lots 10 and 11 are specifically excluded from the restrictions recorded in Miscellaneous Book 53, page 431, Marshall County Court Clerk's Office, and the easements and set back lines as contained on the above referenced plat.

The Premises are described and/or depicted as follows:

An approximately 10,000 square foot portion (100' x 100') of the above-described Property, along with certain access and utility easements thereon, which Premises and easements are described and/or depicted as follows:



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 GOVERNMENTAL AUTHORITIES.
3. WIDTH OF ACCESS ROAD SHALL BE THE WIDTH REQUIRED BY THE APPLICABLE GOVERNMENTAL 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.

EXHIBIT J
NOTIFICATION LISTING

Moors Camp – Notice List

SLAYDEN DANIEL AND JILL
165 US HIGHWAY 68 E
BENTON, KY 42025

DURRETT GERALD D AND PATRICIA G
7004 RIVER RD
PROSPECT, KY 40059

GORDON JAMIE WAYNE AND ANGELA LYNN
27 LILLIE LN
GILBERTSVILLE, KY 42044

FRANCES D CRANE TRUST UTD
C/O MARGARET MARINO TRUSTEE
479 SHERWOOD DR
GILBERTSVILLE, KY 42044

SIVELLS CHARLES AND MICHELLE
115 PADDLE WHEEL RD
GILBERTSVILLE, KY 42044

HUNTER ADAM
69 STEAMBOAT RD
GILBERTSVILLE, KY 42044

WARREN PATRICK H AND SUSAN M
71 KENIKI LN
GILBERTSVILLE, KY 42044

DEFREITAS BRETT AND TERRI
3001 SR 1684
BOAZ, KY 42027

DOUGHTY ENTERPRISES LLC
601 JERICHO LN
CALVERT CITY, KY 42029

MAXLOW AMANDA J
47 WILLIAMS LN
GILBERTSVILLE, KY 42044

HESS PENELOPE
80 ARBOUR LAKE DR
GILBERTSVILLE, KY 42044

HESS ROBERT MICHAEL AND PENELOPE
80 ARBOUR LAKE DR
GILBERTSVILLE, KY 42044

MARSTELLER SCOTT E AND DEBORAH
7041 MOORS CAMP HWY
GILBERTSVILLE, KY 42044

MORRISON LINDA SUE
7015 MOORS CAMP HWY
GILBERTSVILLE, KY 42044

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: Moors Camp

Dear Landowner:

New Cingular Wireless PCS, a Delaware limited liability company, d/b/a AT&T Mobility has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at Steamboat Road, Gilbertsville, KY 42044 (36° 55' 54.78" North latitude, 88° 14' 56.76" West longitude). The proposed facility will include a 255-foot tall tower, with an approximately 15-foot tall lightning arrestor attached at the top, for a total height of 270-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 2020-00361 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Applicant'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.

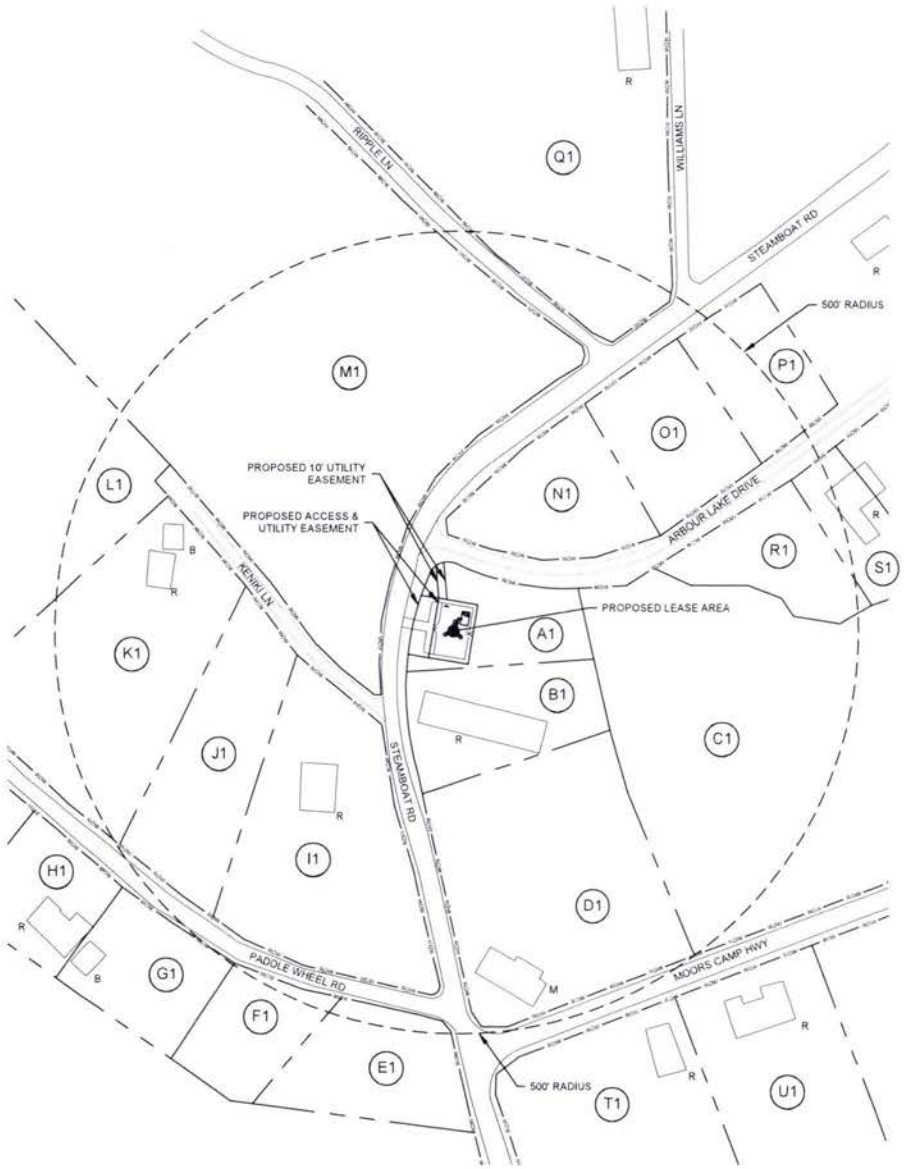
Sincerely,
David A. Pike
Attorney for Applicant

enclosure

Driving Directions to Proposed Tower Site

1. Beginning at the Marshall County Clerk's office, located at 1101 Main Street, Benton, Kentucky 42025, head south (toward E 12th Street) on Main Street and travel approximately 154 feet.
2. Turn left at the first cross street onto E 12th Street and travel for approximately 0.5 miles.
3. Turn left onto KY-1462 N / Benton-Birmingham Road and travel approximately 4.1 miles.
4. Turn left onto US-68 and travel approximately 0.5 miles.
5. Turn right onto State Hwy 963 and travel approximately 3.7 miles.
6. Turn left to stay on State Hwy 963 and travel approximately 0.6 miles.
7. Continue straight onto Steamboat Road and travel approximately 0.1 miles. The site is on the right. The Site address is Steamboat Road, Gilbertsville, KY 42044.
8. The site coordinates are:
    a. North 36 deg 55 min 54.78 sec
    b. West 88° deg 14 min 56.76 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



0 150' 300'

1"=150'-0"

500' RADIUS AND ABUTTERS MAP

11"x17" SCALE: 1"=150'-0"

GENERAL NOTES:

1. ALL INFORMATION SHOWN HERON WAS OBTAINED FROM THE INFORMATION DESCRIBED AND RECORDED FROM DEED BOOKS IN THE COUNTY CLERK'S OFFICE ON 07/14/20 AND RE-VERIFIED ON 07/30/20. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO THE COUNTY PROPERLY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANT ERRORS CONTAINED IN THEIR FILES.
2. THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY
3. NOT FOR RECORDING OR PROPERTY TRANSFER

A1	PARCEL ID: 62-0G-01-010. SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
B1	PARCEL ID: 62-0G-01-011. SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
C1	PARCEL ID: 62-00-00-102. DURRETT, GERALD D & PATRICIA 7004 RIVER RD PROSPECT, KY 40059
D1	PARCEL ID: 62-00-00-093.00C00 SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
E1	PARCEL ID: 62-0H-00-008. GORDON JAMIE WAYNE AND ANGELA LYNN 27 LILLIE LN GILBERTSVILLE, KY 42044
F1	PARCEL ID: 62-0H-00-007. FRANCES, D CRANE TRUST UTD 479 SHERWOOD DR GILBERTSVILLE, KY 42044
G1	PARCEL ID: 62-0H-00-006. SIVELLS, CHARLES & MICHELLE 115 PADDLE WHEEL RD GILBERTSVILLE, KY 42044
H1	PARCEL ID: 62-0H-00-005. SIVELLS, CHARLES & MICHELLE 115 PADDLE WHEEL RD GILBERTSVILLE, KY 42044
I1	PARCEL ID: 62-00-00-097.04 HUNTER, ADAM 69 STEAMBOAT RD GILBERTSVILLE, KY 42044
J1	PARCEL ID: 62-00-00-097.03 HUNTER, ADAM 69 STEAMBOAT RD GILBERTSVILLE, KY 42044
K1	PARCEL ID: 62-00-00-097.01 WARREN, PATRICK H & SUSAN M 71 KENIKI LN GILBERTSVILLE, KY 42044

L1	PARCEL ID: 62-00-00-097.02 DEFREITAS, BRETT & TERRI 3001 SR 1684 BOAZ, KY 42027
M1	PARCEL ID: 62-00-00-095. DOUGHTY ENTERPRISES LLC 601 JERICHO LN CALVERT CITY, KY 42029
N1	PARCEL ID: 62-0G-01-009. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
O1	PARCEL ID: 62-0G-01-008. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
P1	PARCEL ID: 62-0G-01-007. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
Q1	PARCEL ID: 62-00-00-094. MAXLOW AMANDA J 47 WILLIAMS LN GILBERTSVILLE, KY 42044
R1	PARCEL ID: 62-0G-01-015. HESS ROBERT MICHAEL AND PENELOPE 80 ARBOUR LAKE DR GILBERTSVILLE, KY 42044
S1	PARCEL ID: 62-0G-01-014. HESS ROBERT MICHAEL AND PENELOPE 80 ARBOUR LAKE DR GILBERTSVILLE, KY 42044
T1	PARCEL ID: 62-00-00-088. MARSTELLER SCOTT E AND DEBORAH 7041 MOORS CAMP HWY GILBERTSVILLE, KY 42044
U1	PARCEL ID: 62-00-00-087. MORRISON LINDA SUE 7015 MOORS CAMP HWY GILBERTSVILLE, KY 42044

EXISTING BUILDINGS
B=BARN
C=CHURCH
G=GARAGE
M=MARKET
R=RESIDENCE
S=SHED

STATE OF KENTUCKY
RAPHAEL MOHAMED
24429
LICENSED
PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
07/30/2020	CONSTRUCTION	0	RM

DRAWN BY	CTS
CHECKED BY	CZB
APPVD BY	RM
MNS PROJECT NO.	21364

PREPARED FOR:

at&t

PREPARED BY:

MasTec Network Solutions

507 AIRPORT BLVD. SUITE 111
MORRISVILLE, NC 27560

SITE NAME:

MOORS CAMP

FA LOCATION:

13356835

SITE ADDRESS:

STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE

500' RADIUS AND ABUTTERS MAP

SHEET NUMBER

M-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

Kevin Neal
County Judge Executive
1101 Main Street
Benton, KY 42025

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2020-00361
Site Name: Moors Camp

Dear Judge/Executive:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at Steamboat Road, Gilbertsville, KY 42044 (36° 55' 54.78" North latitude, 88° 14' 56.76" West longitude). The proposed facility will include a 255-foot tall tower, with an approximately 15-foot tall lightning arrestor attached at the top, for a total height of 270-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 2020-00361 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 Applicant
enclosures

Driving Directions to Proposed Tower Site

1. Beginning at the Marshall County Clerk's office, located at 1101 Main Street, Benton, Kentucky 42025, head south (toward E 12th Street) on Main Street and travel approximately 154 feet.
2. Turn left at the first cross street onto E 12th Street and travel for approximately 0.5 miles.
3. Turn left onto KY-1462 N / Benton-Birmingham Road and travel approximately 4.1 miles.
4. Turn left onto US-68 and travel approximately 0.5 miles.
5. Turn right onto State Hwy 963 and travel approximately 3.7 miles.
6. Turn left to stay on State Hwy 963 and travel approximately 0.6 miles.
7. Continue straight onto Steamboat Road and travel approximately 0.1 miles. The site is on the right. The Site address is Steamboat Road, Gilbertsville, KY 42044.
8. The site coordinates are:
    a. North 36 deg 55 min 54.78 sec
    b. West 88° deg 14 min 56.76 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

0 150' 300'

1"=150'-0"

500' RADIUS AND ABUTTERS MAP

11"x17" SCALE: 1"=150'-0"

GENERAL NOTES:

1. ALL INFORMATION SHOWN HERON WAS OBTAINED FROM THE INFORMATION DESCRIBED AND RECORDED FROM DEED BOOKS IN THE COUNTY CLERK'S OFFICE ON 07/14/20 AND RE-VERIFIED ON 07/30/20. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO THE COUNTY PROPERLY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANT ERRORS CONTAINED IN THEIR FILES.
2. THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY
3. NOT FOR RECORDING OR PROPERTY TRANSFER

A1	PARCEL ID: 62-0G-01-010. SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
B1	PARCEL ID: 62-0G-01-011. SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
C1	PARCEL ID: 62-00-00-102. DURRETT, GERALD D & PATRICIA 7004 RIVER RD PROSPECT, KY 40059
D1	PARCEL ID: 62-00-00-093.00C00 SLAYDEN, DANIEL & JILL 165 US HIGHWAY 68 E BENTON, KY 42025
E1	PARCEL ID: 62-0H-00-008. GORDON JAMIE WAYNE AND ANGELA LYNN 27 LILLIE LN GILBERTSVILLE, KY 42044
F1	PARCEL ID: 62-0H-00-007. FRANCES, D CRANE TRUST UTD 479 SHERWOOD DR GILBERTSVILLE, KY 42044
G1	PARCEL ID: 62-0H-00-006. SIVELLS, CHARLES & MICHELLE 115 PADDLE WHEEL RD GILBERTSVILLE, KY 42044
H1	PARCEL ID: 62-0H-00-005. SIVELLS, CHARLES & MICHELLE 115 PADDLE WHEEL RD GILBERTSVILLE, KY 42044
I1	PARCEL ID: 62-00-00-097.04 HUNTER, ADAM 69 STEAMBOAT RD GILBERTSVILLE, KY 42044
J1	PARCEL ID: 62-00-00-097.03 HUNTER, ADAM 69 STEAMBOAT RD GILBERTSVILLE, KY 42044
K1	PARCEL ID: 62-00-00-097.01 WARREN, PATRICK H & SUSAN M 71 KENIKI LN GILBERTSVILLE, KY 42044

L1	PARCEL ID: 62-00-00-097.02 DEFREITAS, BRETT & TERRI 3001 SR 1684 BOAZ, KY 42027
M1	PARCEL ID: 62-00-00-095. DOUGHTY ENTERPRISES LLC 601 JERICHO LN CALVERT CITY, KY 42029
N1	PARCEL ID: 62-0G-01-009. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
O1	PARCEL ID: 62-0G-01-008. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
P1	PARCEL ID: 62-0G-01-007. DURRETT, GERALD D & PATRICIA G 7004 RIVER RD PROSPECT, KY 40059
Q1	PARCEL ID: 62-00-00-094. MAXLOW AMANDA J 47 WILLIAMS LN GILBERTSVILLE, KY 42044
R1	PARCEL ID: 62-0G-01-015. HESS ROBERT MICHAEL AND PENELOPE 80 ARBOUR LAKE DR GILBERTSVILLE, KY 42044
S1	PARCEL ID: 62-0G-01-014. HESS ROBERT MICHAEL AND PENELOPE 80 ARBOUR LAKE DR GILBERTSVILLE, KY 42044
T1	PARCEL ID: 62-00-00-088. MARSTELLER SCOTT E AND DEBORAH 7041 MOORS CAMP HWY GILBERTSVILLE, KY 42044
U1	PARCEL ID: 62-00-00-087. MORRISON LINDA SUE 7015 MOORS CAMP HWY GILBERTSVILLE, KY 42044

EXISTING BUILDINGS
B=BARN
C=CHURCH
G=GARAGE
M=MARKET
R=RESIDENCE
S=SHED

STATE OF KENTUCKY
RAPHAEL MOHAMED
24429
LICENSED PROFESSIONAL ENGINEER

07/30/2020

RAPHAEL MOHAMED, P.E.
KENTUCKY LIC. NO. 24429

SUBMITTALS

DATE	DESCRIPTION	REV	ISSUED BY
07/30/2020	CONSTRUCTION	0	RM

DRAWN BY	CTS
CHECKED BY	CZB
APPVD BY	RM
MNS PROJECT NO	21364

PREPARED FOR:
at&t

PREPARED BY:
MasTec Network Solutions
507 AIRPORT BLVD, SUITE 111
MORRISVILLE, NC 27560

SITE NAME:
MOORS CAMP

FA LOCATION:
13356835

SITE ADDRESS:
STEAMBOAT ROAD
GILBERYSVILLE, KY 42044

SHEET TITLE
500' RADIUS AND ABUTTERS MAP

SHEET NUMBER
M-1

EXHIBIT M
COPY OF POSTED NOTICES
AND NEWSPAPER NOTICE ADVERTISEMENT

SITE NAME: MOORS CAMP
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 proposes 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 2020-00361 in your correspondence.

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility proposes 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 2020-00361 in your correspondence.

PIKE LEGAL

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Shepherdsville, KY 40165-0369
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VIA TELEPHONE: (270) 527-3162
VIA EMAIL: sales@tribunecourier.com

The Marshall County Tribune-Courier
Attn: Public Notice Ad Placement
86A Commerce Blvd
Benton, KY 42025

RE: Legal Notice Advertisement
Site Name: Moors Camp

Dear Staff:

Please publish the following legal notice advertisement in the next edition of *The Marshall County Tribune-Courier*:

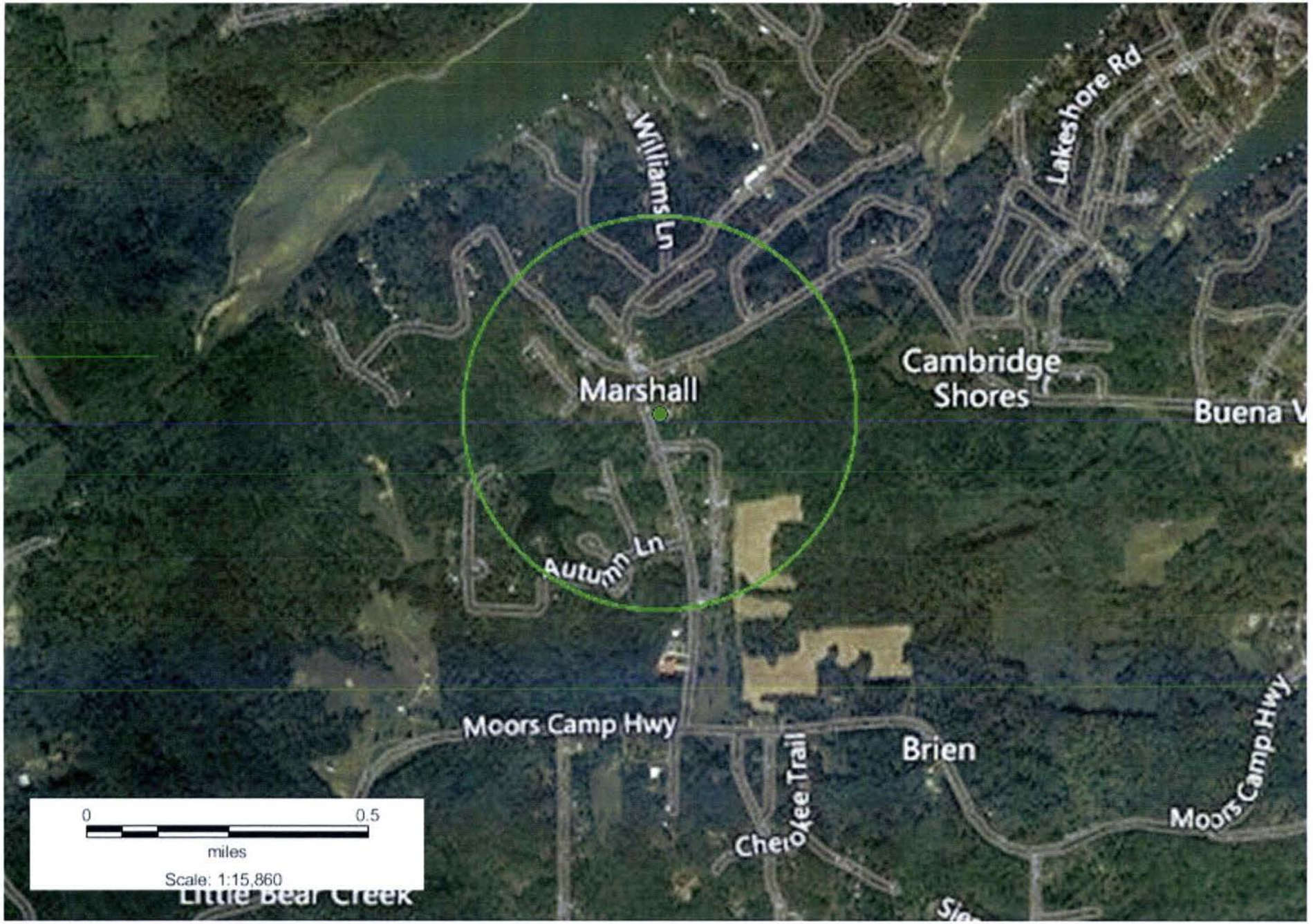
NOTICE

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at Steamboat Road, Gilbertsville, KY 42044 (36° 55' 54.78" North latitude, 88° 14' 56.76" 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 2020-00361 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



Lat: 36.929485
Lon: -88.248267
Radius: .35 miles

Moors Camp Search Area