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**PUBLIC SERVICE
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October 31, 2019

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VIA FedEx Overnight Delivery

Kentucky Public Service Commission
Attn: Ms. Renee Smith
Division of Filing
211 Sower Boulevard
Frankfort, KY 40602

Senior Counsel
James C. Clark
Thomas Michael Quinn

Land Use Consultant
Elizabeth Bentz Williams, AICP

Raymond J. Grahn (2014)
Alex M. Clark (1991)
Peter A. Pappas (1986)
Thomas M. Quinn (1973)
Joseph M. Howard (1964)

RE: Application to Construct Wireless Communications Facility
Docket No. Docket No. 2019- 00394
Site Name: OLD US 127 & KY 845

*Also admitted in Montana
** Registered Civil Mediator

Dear Ms. Smith:

On behalf of our client, Cellco Partnership, d/b/a Verizon Wireless we are submitting an original and five copies of an Application for Certificate of Public Convenience and Necessity to Construct a Wireless Communication Facility.

Please contact me or Elizabeth Bentz Williams if you require any future documentation or have any questions concerning this application.

Sincerely,

Russell L. Brown
Attorney for Verizon Wireless

RLB/jdj
enclosures

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NOV 04 2019

PUBLIC SERVICE
COMMISSION

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

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO. 2019-00394
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF OWEN)

SITE NAME: OLD US 127 RD & KY 845

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

Cellco Partnership, d/b/a Verizon Wireless (“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: Cellco Partnership, d/b/a Verizon Wireless, having a local address of 2421 Holloway Road, Louisville, KY 40299.

2. Applicant is a Delaware general partnership and a copy of the Amended Certificate of Assumed Name is on file with the Secretary of State of Commonwealth of Kentucky is included as part of **Exhibit A**.

3. 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.

4. 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 B**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

5. 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. A statement from Applicant's RF Design Engineer outlining said need is attached as **Exhibit Q**. 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.

6. To address the above-described service needs, Applicant proposes to construct a WCF at 3100 Hwy 127 N, Owenton, KY 40359 (38° 34' 17.32" North latitude, 84° 49' 28.79" 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 Kim Juett pursuant to a Deed recorded at Deed Book 234, Page 475 in the office of the County Clerk. The proposed WCF will consist of a 255-foot tall tower, with an approximately 5-foot tall lightning arrestor attached at the top, for a total height of 260-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 C** and **Exhibit D**.

7. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete along with a map showing the proposed location as well as the identified like facilities is attached as **Exhibit E**.

8. 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 C**.

9. 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 D**.

10. 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.

11. A copy of the application for Determination of No Hazard to Air Navigation (project name 2018-ASO-25834-0E) has been submitted to the Federal Aviation Administration ("FAA") is attached as **Exhibit F**.

12. A copy the application submitted to the Kentucky Airport Zoning Commission ("KAZC") to construct the tower is attached as **Exhibit G**.

13. A geotechnical engineering report was performed at the WCF site by Power of Design Group, LLC, Louisville, KY, dated August 28, 2019, and is attached as **Exhibit H**. The name and address of the geotechnical engineering firm and the professional engineer registered in Kentucky who prepared the report are included as part of **Exhibit H**.

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

15. 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 J**.

16. 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 D** 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.

17. The Construction Manager for the proposed facility is Mike Rerecich and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits C & D**.

18. As noted on the Survey attached as part of **Exhibit C**, the surveyor has determined that the tower site and access easement are not within any flood hazard area per Flood Hazard Boundary Map, Community Panel Number 21187C0150C, Dated June 2, 2011.

19. **Exhibit C** 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**.

20. 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 will be 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 to be sent by certified mail to each landowner are attached as **Exhibit K** and **Exhibit L**, respectively.

21. 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 M**.

22. 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 N**. 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 Exhibit O.

23. The general area where the proposed facility is to be located is undeveloped and removed a significant distance from any residential structures. There are no residential structures within 500' of the proposed tower site.

24. 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 P**.

25. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area, as set out and documented in the RF Design Engineer's Statement of Need and Propagation Maps, attached as **Exhibit Q**. The proposed tower will expand and improve voice and data service for Verizon Wireless customers.

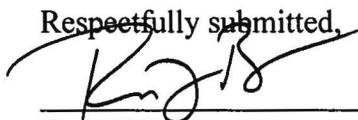
26. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

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

Russell L. Brown
Clark, Quinn, Moses, Scott & Grahn, LLP
320 North Meridian Street, Suite 1100
Indianapolis, IN 46204
Phone: (317) 637-1321
FAX: (317) 687-2344
Email: rbrown@clarkquinnlaw.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,



Russell L. Brown

Clark, Quinn, Moses, Scott & Grahn, LLP

320 North Meridian Street, Suite 1100

Indianapolis, IN 46204

Phone: (317) 637-1321 / FAX: (317) 687-2344

Email: rbrown@clarkquinnlaw.com

Attorney for Cellco Partnership d/b/a Verizon Wireless

LIST OF EXHIBITS

- A Applicant Entity
- B FCC License Documentation
- C Site Development Plan:
 - 500' Vicinity Map Legal Descriptions
 - Flood Plain Certification Site Plan
 - Vertical Tower Profile
- D Tower and Foundation Design
- E Competing Utilities, Corporations, or Persons List
And Map of Like Facilities in Vicinity
- F FAA
- G KAZC
- H Geotechnical Report
- I Directions to WCF Site
- J Copy of Real Estate Agreement
- K Notification Listing
- L Copy of Property Owner Notification
- M Copy of County Judge/Executive notice
- N Copy of Posted Notices
- O Copy of Newspaper Legal Notice Advertisement
- P Copy of Radio Frequency Design Search Area
- Q Copy of RF Design Engineer State of Need & Propagation Maps

EXHIBIT A

A

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



Secretary of State
Received and Filed
08/21/2008 12:06:00 PM
Fee Receipt: \$20.03

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

has been adopted by See Addendum

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

- | | |
|--|---|
| <input type="checkbox"/> a Domestic General Partnership | <input checked="" type="checkbox"/> a Foreign General Partnership |
| <input type="checkbox"/> a Domestic Registered Limited Liability Partnership | <input type="checkbox"/> a Foreign Registered Limited Liability Partnership |
| <input type="checkbox"/> a Domestic Limited Partnership | <input type="checkbox"/> a Foreign Limited Partnership |
| <input type="checkbox"/> a Domestic Business Trust | <input type="checkbox"/> a Foreign Business Trust |
| <input type="checkbox"/> a Domestic Corporation | <input type="checkbox"/> a Foreign Corporation |
| <input type="checkbox"/> a Domestic Limited Liability Company | <input type="checkbox"/> a Foreign Limited Liability Company |
| <input type="checkbox"/> a Joint Venture | |

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

One Verizon Way Wasking Ridge NJ 07920

The certificate of assumed name is executed by

NYNEI PCS Inc.

Jane A. Schepker

Jane A. Schepker-Assistant Secretary

June 15, 2006

0641227.07 dcornish
AMD
Allison Lundergan Grimes
Kentucky Secretary of State
Received and Filed:
1/22/2013 1:43 PM
Fee Receipt: \$20.00



COMMONWEALTH OF KENTUCKY
ELAINE N. WALKER, SECRETARY OF STATE

Division of Business Filings Business Filings PO Box 718 Frankfort, KY 40602 (502) 564-3490 www.sos.ky.gov	Amended Certificate of Assumed Name (Domestic or Foreign Business Entity)	AAN
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Pursuant to the provisions of KRS 365, the undersigned applies to amend the certificate of assumed name and, for that purpose, submits the following statement:

1. The assumed name is Verizon Wireless
(The name must be identical to the name on record with the Secretary of State.)

2. The certificate of assumed name was filed with the Secretary of State on: 6/21/2008

3. The current principal office address (if any) is:
One Verizon Way Basking Ridge NJ 07920
Street Address or Post Office Box Number City State Zip

4. The principal office address is hereby changed to:

Street Address or Post Office Box Number City State Zip

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

6. The changes in the identity of the partners are as follows: See Addendum for current partners

I declare under penalty of perjury under the laws of Kentucky that the foregoing is true and correct.
 GTE Wireless Incorporated

	<u>Jana A. Schaefer</u>	<u>Assistant Secretary</u>	<u>1/21/2012</u>
<small>Signature of Applicant</small>	<small>Printed Name</small>	<small>Title</small>	<small>Date</small>

Addendum

The full name of the Partnership is Cellco Partnership, a Delaware general partnership composed of the following partners:

<i>General Partners of Cellco Partnership</i>	<i>Address</i>
Bell Atlantic Mobile Systems LLC	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
FCS Nucleus, L.P.	Denver Place South Tower 999-18th Street, Suite 1750 Denver, CO 80202
JV PartnerCo, LLC	Denver Place South Tower 999-18th Street, Suite 1750 Denver, CO 80202

EXHIBIT B

REFERENCE COPY

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



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign KNKN837	File Number
Radio Service CL - Cellular	
Market Numer CMA449	Channel Block A
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 7 - Trimble				
Grant Date 08-30-2011	Effective Date 11-01-2016	Expiration Date 10-01-2021	Five Yr Build-Out Date	Print Date

Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	38-10-37.0 N	085-06-25.0 W	360.0	90.8	1036601
Address: Top of Shelbyville Mountain					
City: Shelbyville County: SHELBY State: KY Construction Deadline:					

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)	188.400	190.600	203.000	190.500	202.900	218.800	217.100	203.300
Transmitting ERP (watts)	27.480	50.000	19.910	2.510	0.210	0.100	0.440	3.790

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)	188.400	190.600	203.000	190.500	202.900	218.800	217.100	203.300
Transmitting ERP (watts)	0.100	0.100	1.440	2.380	0.480	2.380	1.580	0.100

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)	188.400	190.600	203.000	190.500	202.900	218.800	217.100	203.300
Transmitting ERP (watts)	51.690	14.230	1.140	0.300	0.570	8.130	41.390	69.660

Conditions:

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	38-12-25.9 N	084-51-45.2 W	211.2	56.9	1051445

Address: 400C Clifton Avenue
City: FRANKFORT County: FRANKLIN State: KY Construction Deadline:

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)	62.300	35.800	23.200	8.600	71.400	29.500	60.100	36.900
Transmitting ERP (watts)	55.320	50.990	15.260	1.540	0.340	1.580	15.980	54.030

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)	62.300	35.800	23.200	8.600	71.400	29.500	60.100	36.900
Transmitting ERP (watts)	3.530	29.600	58.750	55.210	43.890	7.580	0.410	0.240

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)	62.300	35.800	23.200	8.600	71.400	29.500	60.100	36.900
Transmitting ERP (watts)	3.590	0.240	0.490	7.700	44.940	57.490	54.760	29.400

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	38-28-54.3 N	085-15-56.5 W	252.9	90.5	1036602

Address: 4920 Fallen Timber Drive
City: SULPHUR County: HENRY State: KY Construction Deadline:

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)	126.900	85.200	102.800	77.800	84.300	95.500	105.400	97.100
Transmitting ERP (watts)	0.390	10.470	67.610	87.100	22.910	1.150	0.200	0.200

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)	126.900	85.200	102.800	77.800	84.300	95.500	105.400	97.100
Transmitting ERP (watts)	0.370	0.200	0.200	1.260	23.990	87.100	66.070	10.000

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)	126.900	85.200	102.800	77.800	84.300	95.500	105.400	97.100
Transmitting ERP (watts)	95.500	43.650	3.550	0.200	0.200	0.200	3.980	44.670

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	38-38-10.0 N	085-05-53.5 W	245.3	90.2	1036425

Address: 312 Whites Run Road
City: CARROLLTON County: CARROLL State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	156.300	107.900	120.600	148.800	94.800	91.100	112.600	147.700
Transmitting ERP (watts)	0.200	11.220	72.440	91.200	25.700	0.370	0.200	0.200

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)	156.300	107.900	120.600	148.800	94.800	91.100	112.600	147.700
Transmitting ERP (watts)	0.200	0.200	0.200	0.940	18.570	33.150	30.890	10.840

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)	156.300	107.900	120.600	148.800	94.800	91.100	112.600	147.700
Transmitting ERP (watts)	33.110	26.080	3.390	0.200	0.200	0.200	4.070	24.940

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	38-43-25.0 N	084-51-06.0 W	246.9	90.8	1036424

Address: 120 Boone Trail (off Highway 455)
City: Sparta County: GALLATIN State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.200	119.000	114.900	96.300	80.600	140.600	110.100	133.300
Transmitting ERP (watts)	0.200	0.500	11.300	20.180	19.990	13.040	0.740	0.200

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)	127.200	119.000	114.900	96.300	80.600	140.600	110.100	133.300
Transmitting ERP (watts)	6.850	0.200	0.200	0.200	1.830	17.930	20.220	19.450

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)	127.200	119.000	114.900	96.300	80.600	140.600	110.100	133.300
Transmitting ERP (watts)	20.450	20.140	19.650	2.430	0.200	0.200	0.200	5.480

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	38-43-30.0 N	084-38-29.0 W	275.2	90.8	1036179

Address: 3000 Dry Ridge Mount Zion Road
City: DRY RIDGE County: GRANT State: KY Construction Deadline:

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 112.100 115.000 114.500 92.600 110.000 136.400 142.300 143.700
Transmitting ERP (watts) 0.360 9.930 41.040 48.250 18.580 1.120 0.200 0.200

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) 112.100 115.000 114.500 92.600 110.000 136.400 142.300 143.700
Transmitting ERP (watts) 0.350 0.200 0.200 1.230 19.460 48.290 40.110 9.480

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) 112.100 115.000 114.500 92.600 110.000 136.400 142.300 143.700
Transmitting ERP (watts) 51.290 30.370 3.550 0.200 0.200 0.200 3.980 31.080

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	38-35-22.1 N	084-34-38.2 W	286.5	91.7	1036600

Address: 8162 Dixie Highway
City: Williamstown County: GRANT State: KY Construction Deadline:

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 99.800 117.800 153.400 131.200 103.300 124.100 129.900 133.100
Transmitting ERP (watts) 0.200 14.790 79.430 87.100 21.880 0.200 0.200 0.200

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) 99.800 117.800 153.400 131.200 103.300 124.100 129.900 133.100
Transmitting ERP (watts) 0.200 0.200 0.200 1.660 32.360 95.500 66.070 7.760

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) 99.800 117.800 153.400 131.200 103.300 124.100 129.900 133.100
Transmitting ERP (watts) 100.000 41.690 1.950 0.200 0.200 0.200 6.030 56.230

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	38-12-03.3 N	085-19-18.8 W	228.6	90.8	1036180

Address: (Simpsonville) 7202 Brunerstown Road

City: SIMPSONVILLE County: SHELBY State: KY Construction Deadline:

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)	77.800	77.700	82.200	92.900	103.900	101.600	100.000	92.400
Transmitting ERP (watts)	23.690	197.020	127.210	10.100	0.960	0.960	0.960	1.460

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)	77.800	77.700	82.200	92.900	103.900	101.600	100.000	92.400
Transmitting ERP (watts)	0.700	0.700	5.510	77.010	274.490	96.500	7.530	0.740

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)	77.800	77.700	82.200	92.900	103.900	101.600	100.000	92.400
Transmitting ERP (watts)	25.970	1.720	0.960	0.960	0.960	8.600	124.310	201.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	38-41-11.3 N	084-20-37.8 W	244.4	88.4	1036605

Address: RT 1 BOX 510A SNAKE HILL OFF MONROE RD

City: FALMOUTH County: PENDLETON State: KY Construction Deadline:

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)	146.200	108.800	86.000	113.400	88.700	111.100	81.600	95.800
Transmitting ERP (watts)	0.200	11.220	72.440	91.200	25.700	0.370	0.200	0.200

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)	146.200	108.800	86.000	113.400	88.700	111.100	81.600	95.800
Transmitting ERP (watts)	0.200	0.200	0.200	0.910	26.300	91.200	74.130	12.020

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)	146.200	108.800	86.000	113.400	88.700	111.100	81.600	95.800
Transmitting ERP (watts)	97.720	4.900	0.210	0.200	0.200	0.200	0.200	5.370

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	38-24-39.0 N	084-19-07.0 W	244.0	129.0	1044001

Address: 0.4 KM NE OF SR 36 2.9 KM NE
City: Cynthiana County: HARRISON State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	106.200	91.500	96.400	97.000	87.700	83.600	113.900
Transmitting ERP (watts)	0.300	12.030	75.920	91.280	26.320	0.960	0.200	0.200

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)	106.300	106.200	91.500	96.400	97.000	87.700	83.600	113.900
Transmitting ERP (watts)	0.350	0.200	0.200	1.000	26.940	93.400	74.190	10.720

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)	106.300	106.200	91.500	96.400	97.000	87.700	83.600	113.900
Transmitting ERP (watts)	100.080	50.160	3.980	0.270	0.200	0.200	4.080	50.160

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	38-09-19.0 N	084-54-05.0 W	243.8	67.1	1036604

Address: 396 OLD HARRODSBURG RD
City: FRANKFORT County: FRANKLIN State: KY Construction Deadline:

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.400	89.800	61.900	68.700	66.700	57.900	65.300	79.300
Transmitting ERP (watts)	3.550	22.910	39.810	22.390	3.310	0.270	0.100	0.300

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)	87.400	89.700	61.900	68.700	66.700	57.900	65.200	79.300
Transmitting ERP (watts)	49.000	6.310	0.490	0.200	0.980	12.030	64.600	97.770

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	38-39-42.6 N	085-11-59.5 W	260.6	64.0	1235824

Address: (Carrollton) 211 Davis Lane
City: CARROLLTON County: CARROLL State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	99.800	130.700	115.800	93.100	74.200	96.700	62.500	115.500
Transmitting ERP (watts)	13.140	322.530	387.760	42.520	4.060	1.230	1.020	1.020

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	38-39-42.6 N	085-11-59.5 W	260.6	64.0	1235824

Address: (Carrollton) 211 Davis Lane
City: CARROLLTON County: CARROLL State: KY Construction Deadline:

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 99.800 130.700 115.800 93.100 74.200 96.700 62.500 115.500
Transmitting ERP (watts) 0.760 2.050 53.790 380.820 138.270 8.330 1.290 0.760

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) 99.800 130.700 115.800 93.100 74.200 96.700 62.500 115.500
Transmitting ERP (watts) 1.140 1.020 1.020 3.970 144.070 499.530 109.290 5.110

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	38-34-31.7 N	085-10-49.7 W	254.8	92.0	1000357

Address: 1299 MILL CREEK RD
City: TURNERS CORNER County: HENRY State: KY Construction Deadline:

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 149.700 134.900 138.900 105.800 75.600 92.700 100.700 106.700
Transmitting ERP (watts) 0.390 10.470 67.610 87.100 22.910 1.150 0.200 0.200

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 149.700 134.900 138.900 105.800 75.600 92.700 100.700 106.700
Transmitting ERP (watts) 0.370 0.200 0.200 1.260 23.990 87.100 66.070 10.000

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) 149.700 134.900 138.900 105.800 75.600 92.700 100.700 106.700
Transmitting ERP (watts) 95.500 43.650 3.550 0.200 0.200 3.980 44.670

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	38-40-30.2 N	084-58-18.8 W	245.7	91.1	1000358

Address: 7238 KENTUCKY HWY 47
City: SANDERS County: CARROLL State: KY Construction Deadline:

Antenna: 2
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 135.500 116.800 113.800 90.000 115.700 134.700 115.100 130.100
Transmitting ERP (watts) 0.200 0.910 26.300 91.200 74.130 12.020 0.200 0.200

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	38-40-30.2 N	084-58-18.8 W	245.7	91.1	1000358

Address: 7238 KENTUCKY HWY 47
City: SANDERS County: CARROLL State: KY Construction Deadline:

Antenna: 3
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 135.500 116.800 113.800 90.000 115.700 134.700 115.100 130.100
Transmitting ERP (watts) 3.390 0.200 0.200 0.200 4.070 24.940 33.110 26.080

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) 135.500 116.800 113.800 90.000 115.700 134.700 115.100 130.100
Transmitting ERP (watts) 30.230 33.150 18.280 0.380 0.200 0.200 0.200 10.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	38-22-31.0 N	085-10-05.6 W	271.3	126.2	1000277

Address: 474 ELM ST
City: EMINENCE County: HENRY State: KY Construction Deadline:

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) 93.400 115.800 125.100 97.500 110.900 108.400 102.900 96.500
Transmitting ERP (watts) 0.350 3.550 37.150 93.330 77.620 18.620 1.740 0.200

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) 93.400 115.800 125.100 97.500 110.900 108.400 102.900 96.500
Transmitting ERP (watts) 8.320 0.680 0.200 0.740 8.910 57.540 100.000 56.230

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) 93.400 115.800 125.100 97.500 110.900 108.400 102.900 96.500
Transmitting ERP (watts) 77.620 93.330 35.480 3.390 0.270 0.200 1.860 19.500

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	38-36-14.0 N	085-20-21.9 W	262.7	126.2	1043334

Address: COLBERT LANE
City: BEDFORD County: TRIMBLE State: KY Construction Deadline:

Antenna: 1
Maximum Transmitting ERP in Watts: 140.820
Azimuth(from true north) 0 45 90 135 180 225 270 315
Antenna Height AAT (meters) 119.700 114.200 128.200 102.700 100.400 180.500 135.200 147.800
Transmitting ERP (watts) 18.090 60.420 1.770 2.060 1.770 1.770 11.150 67.550

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN837

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	38-36-14.0 N	085-20-21.9 W	262.7	126.2	1043334

Address: COLBERT LANE
City: BEDFORD County: TRIMBLE State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.700	114.200	128.200	102.700	100.400	180.500	135.200	147.800
Transmitting ERP (watts)	2.500	37.650	400.090	508.440	97.060	4.000	2.110	1.770

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	119.700	114.200	128.200	102.700	100.400	180.500	135.200	147.800
Transmitting ERP (watts)	3.280	1.770	1.770	3.180	133.980	496.870	390.980	21.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	38-12-30.4 N	084-50-11.5 W	233.5	54.8	

Address: Hwy 127 East 916 East Main Street
City: Frankfort County: FRANKLIN State: KY Construction Deadline: 02-05-2011

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	35.900	31.000	25.800	60.900	56.300	86.000	56.700
Transmitting ERP (watts)	458.530	214.470	17.840	0.910	0.910	0.910	24.060	224.580

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.600	35.900	31.000	25.800	60.900	56.300	86.000	56.700
Transmitting ERP (watts)	0.910	53.690	223.450	268.120	98.870	3.650	0.910	0.910

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.600	35.900	31.000	25.800	60.900	56.300	86.000	56.700
Transmitting ERP (watts)	0.910	0.910	0.910	7.110	61.760	33.430	37.730	41.260

Control Points:

Control Pt. No. 3

Address: 500 W. Dove Rd

City: Southlake County: TARRANT State: TX Telephone Number: (800)264-6620

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).

REFERENCE COPY

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



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

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

FCC Registration Number (FRN): 0003290673

Grant Date 11-26-2008	Effective Date 05-21-2019	Expiration Date 06-13-2019	Print Date
Market Number REA004	Channel Block C	Sub-Market Designator 0	
Market Name Mississippi Valley			
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

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

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

Conditions:

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

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

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

ULS License

700 MHz Upper Band (Block C) License - WQJQ692 - Cellco Partnership

[New Search](#) [Refine Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#)


MAIN	ADMIN	MARKET	MAP	LOCATIONS	LEASES
 This license has pending applications: 0008694125 , 0008587218 , 0008404248					
Call Sign	WQJQ692				
Status	Active				
Rural Service Provider Bidding Credit					
Is the Applicant seeking a Rural Service Provider (RSP) bidding credit?					

EXHIBIT C



1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560

LV OLD US 127 RD & KY 845

KY-0024

3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY

TENANT: CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS
"LV OLD US 127 RD & KY 845"



1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560

9/25/2019



EN PERMIT: 3594

ZONING DRAWINGS

REV.	DATE	DESCRIPTION
A	9.23.19	ISSUED FOR REVIEW
0	9.25.19	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY

ECO-SITE SITE NUMBER:
KY-0024

VERIZON WIRELESS SITE NAME:
LV OLD US 127 RD & KY 845

POD NUMBER: 19-43099

DRAWN BY: POD
CHECKED BY: MEP
DATE: 09.23.19

SHEET TITLE:
PROJECT INFORMATION, SITE MAPS, SHEET INDEX

SHEET NUMBER:

T-1

NEW 255' SELF SUPPORT TOWER w/5' LIGHTNING ARRESTOR TOTAL TOWER HEIGHT 260'

FROM OWEN COUNTY JUDGE EXECUTIVE: 100 NORTH THOMAS STREET, OWENTON KY 40359: HEAD NORTH TOWARD BRYAN ST (102 FEET). TURN RIGHT ONTO BRYAN ST (236 FEET). TURN LEFT AT THE 1ST CROSS STREET ONTO US-127 N/N MAIN (3.1 MILES). SITE WILL BE LOCATED ON LEFT (EAST) SIDE OF ROAD.

FROM LOUISVILLE MTSO: 2421 HOLLOWAY ROAD LOUISVILLE, KY 40299: HEAD SOUTH ON HOLLOWAY RD TOWARD PLANTSIDE DR (0.1 MI). TURN LEFT AT THE 1ST CROSS STREET ONTO PLANTSIDE DR (0.9 MI). USE THE LEFT 2 LANES TO TURN LEFT ONTO BLANKENBAKER PKWY (0.7 MI). USE THE RIGHT LANE TO TAKE THE RAMP ONTO I-64 E (0.3 MI). MERGE ONTO I-64 E (1.6 MI). TAKE EXIT 19B FOR KY-841 N/GENE SNYDER FWY/I-265 N (0.3 MI). MERGE ONTO I-265/KY-841 E/GENE SNYDER FWY (8.9 MI). TAKE EXIT 35A TO MERGE ONTO I-71 N TOWARD CINCINNATI (47.5 MI). TAKE EXIT 57 FOR KY-35 TOWARD WARSAW/SPARTA (0.2 MI). TURN RIGHT ONTO KY-35 (6.2 MI). CONTINUE ONTO US-127 S (5.5 MI). SITE WILL BE LOCATED ON LEFT (EAST) SIDE OF ROAD.

ECO-SITE SITE
LV OLD US 127 RD & KY 845
SITE #: KY-0024

VERIZON WIRELESS SITE
LV OLD US 127 RD & KY 845
PROJECT#: 20171595393
LOCATION CODE: 449184

SITE ADDRESS
3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY
E911 ADDRESS: TBD

TOWER OWNER
ECO-SITE
1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560
CONTACT: GRETCHEN BLANTON
OFFICE: (919) 695-4842
MOBILE: (704) 472-0374
E-MAIL: GBLANTON@ECO-SITE.COM

PROPERTY OWNER
KIM JUETT
2920 HWY 127 N
OWENTON KY 40359
CONTACT: KIM JUETT
PHONE: (502) 395-1531

POLICE
OWEN COUNTY SHERIFF OFFICE
102 N MADISON ST
OWENTON, KY 40359
PHONE: (502) 484-3363

FIRE
OWENTON CITY FIRE DEPARTMENT
404 MAIN ST
OWENTON, KY 40359
PHONE: (502) 484-2131

GENERAL INFORMATION
LATITUDE : 38° 34' 17.32" N
LONGITUDE : 84° 49' 28.79" W
1983 (NAD83)
ELEVATION : 949.00' AMSL
1988 (NAVD88)

ECO-SITE LEASE AREA
100'-0" x 100'-0"
(10,000 SF)

VERIZON WIRELESS LEASE AREA
12'-0" x 30'-0"
(360 SF)

PROJECT TOTAL DISTURBED AREA
COMPOUND: (10,000 SF) = (0.23 ACRE)
ACCESS DRIVE: (27,418 SF) = (0.63 ACRE)
UTILITY EASEMENT: (19,306 SF) = (0.44 ACRE)
GROSS AREA: (56,724 SF) = (1.30 ACRE)

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

ECO-SITE SCOPE:

- INSTALL A NEW 255' SELF SUPPORT TOWER w/ 5' LIGHTNING ROD (TOTAL 260')
- INSTALL A NEW TOWER FOUNDATION SYSTEM
- INSTALL A 16' CATTLE GATE
- INSTALL A 12' TEMPORARY CATTLE GATE
- INSTALL A NEW 75'X75' FENCED GRAVEL COMPOUND
- INSTALL A NEW SITE H-FRAME
- INSTALL NEW TOWER LIGHTING AND TOWER LIGHTING CONTROLLER
- INSTALL A NEW ELECTRICAL SERVICE RUN TO SITE H-FRAME
- INSTALL A NEW GRAVEL ACCESS DRIVE
- NO WATER OR SEWAGE SERVICES RUN TO SITE
- INSTALL NEW TOWER & SITE GROUNDING SYSTEM
- INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM
- INSTALL A NEW 11'-6"x19'-6" CONCRETE EQUIPMENT PAD
- INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE STUB-UP WITHIN VZW EQUIPMENT PAD TO UTILITY H-FRAME
- INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC ENCLOSURE STUB-UPS TO EQUIPMENT ENCLOSURE STUB-UPS WITHIN VZW EQUIPMENT PAD
- INSTALL NEW CONDUITS WITH PULL TAPES FROM RF CABINET TO OVP H-FRAME LIT FIBER LOCATION
- INSTALL (1) NEW "VERIZON WIRELESS ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM VZW EQUIPMENT TO NEW "VERIZON WIRELESS ONLY" 24" x 36" HAND HOLE OUTSIDE COMPOUND
- INSTALL (1) NEW "VERIZON WIRELESS ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE AND TRACER WIRE FROM NEW "VERIZON WIRELESS ONLY" 24" x 36" HAND HOLE OUTSIDE COMPOUND TO NEW "VERIZON WIRELESS ONLY" 36" x 60" HAND HOLE AT ROW
- INSTALL (1) NEW "VERIZON WIRELESS ONLY" FIBER OPTIC CONDUIT WITH PULL TAPE FROM NEW "VERIZON WIRELESS ONLY" 24" x 36" HAND HOLE OUTSIDE COMPOUND AND STUB UP AT FUTURE FIBER PEDESTAL LOCATION
- PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY.

VERIZON WIRELESS SCOPE (VZW GC):

- INSTALL A NEW 11'-6" x 19'-6" PREFABRICATED CANOPY ON EXISTING CONCRETE PAD FOUNDATION
- INSTALL VZW ICE BRIDGE AND FOUNDATIONS
- INSTALL VZW ANTENNA MOUNTING SUPPORT STRUCTURE ON TOWER
- INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT
- INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES
- INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY H-FRAME TO VZW ILC ENCLOSURE
- INSTALL CIRCUITS FROM VZW ILC TO VZW EQUIPMENT ENCLOSURES
- INSTALL NEW OUTDOOR DWP AND CABLING H-FRAME SUPPORT
- INSTALL (2) 1-1/4" & (1) 1" INNERDUCTS WITH PULL TAPES AND TRACER WIRE WITHIN OWNER INSTALLED "VERIZON WIRELESS ONLY" FIBER OPTIC CONDUITS

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

BUILDING CODE 2013 KENTUCKY BUILDING CODE (KBC 2012)
STRUCTURAL CODE TIA/EIA-222 - REVISION G (INCLUDES ADDENDUM #2)
MECHANICAL CODE 2012 INTERNATIONAL MECHANICAL CODE (IMC 2012)
PLUMBING CODE KENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)
ELECTRICAL CODE 2014 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
FIRE/LIFE SAFETY CODE 2012 INTERNATIONAL FIRE CODE (2012 IFC)
ENERGY CODE 2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
GAS CODE 2009 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2009 IBC BUILDING CODE.

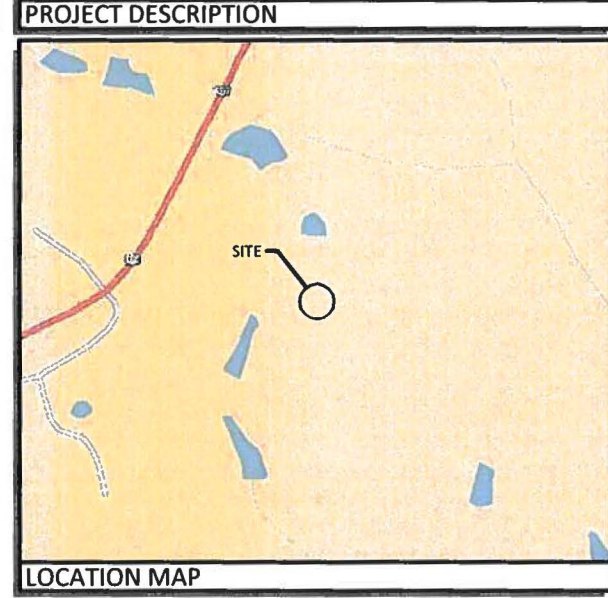
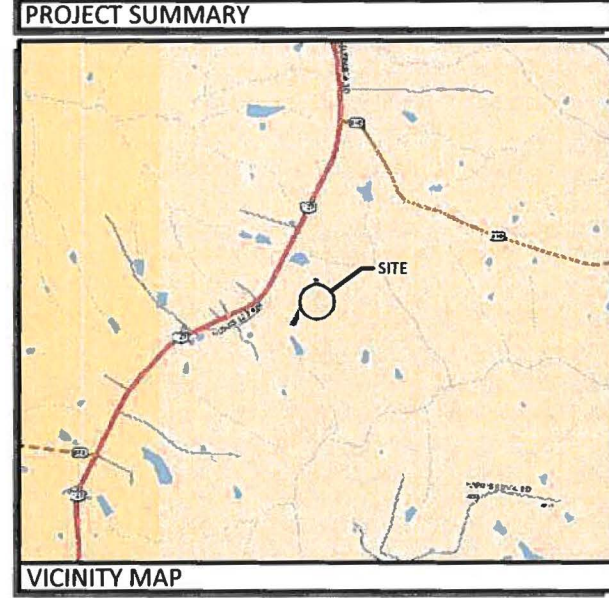
APPLICABLE CODES

SURVEYOR
POWER OF DESIGN GROUP, LLC
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
PHONE: (502) 437-5252

ARCHITECTURAL
POWER OF DESIGN GROUP, LLC
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
PHONE: (502) 437-5252

ELECTRICAL
KENTUCKY UTILITIES COMPANY
ADDRESS: 1100 MAIN ST
SHELBYVILLE, KY 40065
CONTACT: TIM PROBUS
PHONE: (502) 333-6611
MOBILE: (502) 396-1147
FAX: (502) 333-6623
EMAIL: TIM.PROBUS@LGE-KU.COM

CONSULTANT TEAM



VICINITY MAP

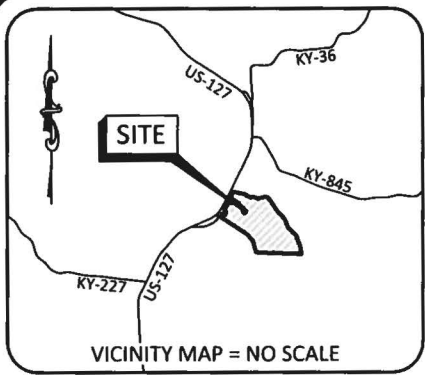
LOCATION MAP

AERIAL

PROJECT SUMMARY

PROJECT DESCRIPTION

CONSULTANT TEAM



TRUE NORTH
GRID NORTH
0° 34' 05"

BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON MARCH 03, 2018.

PARCEL ID: 060-00-00-012.01
DAVID A. CHAPPELL
DEED BOOK 242, PAGE 179

PREPARED BY:

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

PREPARED FOR:

CELLCO PARTNERSHIP
D/B/A
verizon

GLOBAL POSITIONING SYSTEMS NOTE

1. RANDOM CONTROL POINTS 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 0.06' HORIZONTALLY.
3. SPECTRA PRECISION EPOCH 50 DUAL FREQUENCY RECEIVERS WERE USED TO PERFORM THE SURVEY.

FAA COORDINATE POINT
NAD 83
LATITUDE: 38°34'17.32"
LONGITUDE: 84°49'28.79"
NAVD 88
ELEVATION: 949'± AMSL
NORTHING: 4097110.0755
EASTING: 5185805.7077

TEMPORARY BENCHMARK
NORTHING: 4097187.6370
EASTING: 5185799.8320
ELEVATION: 950.36'
LOCATION: SET 1/2" REBAR W/RED CAP STAMPED "POD TRAV" N16°02'W 7.2' ± FROM THE NORTHERN MOST CORNER OF THE PROPOSED LEASE AREA.



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.

LAND SURVEYOR'S CERTIFICATE

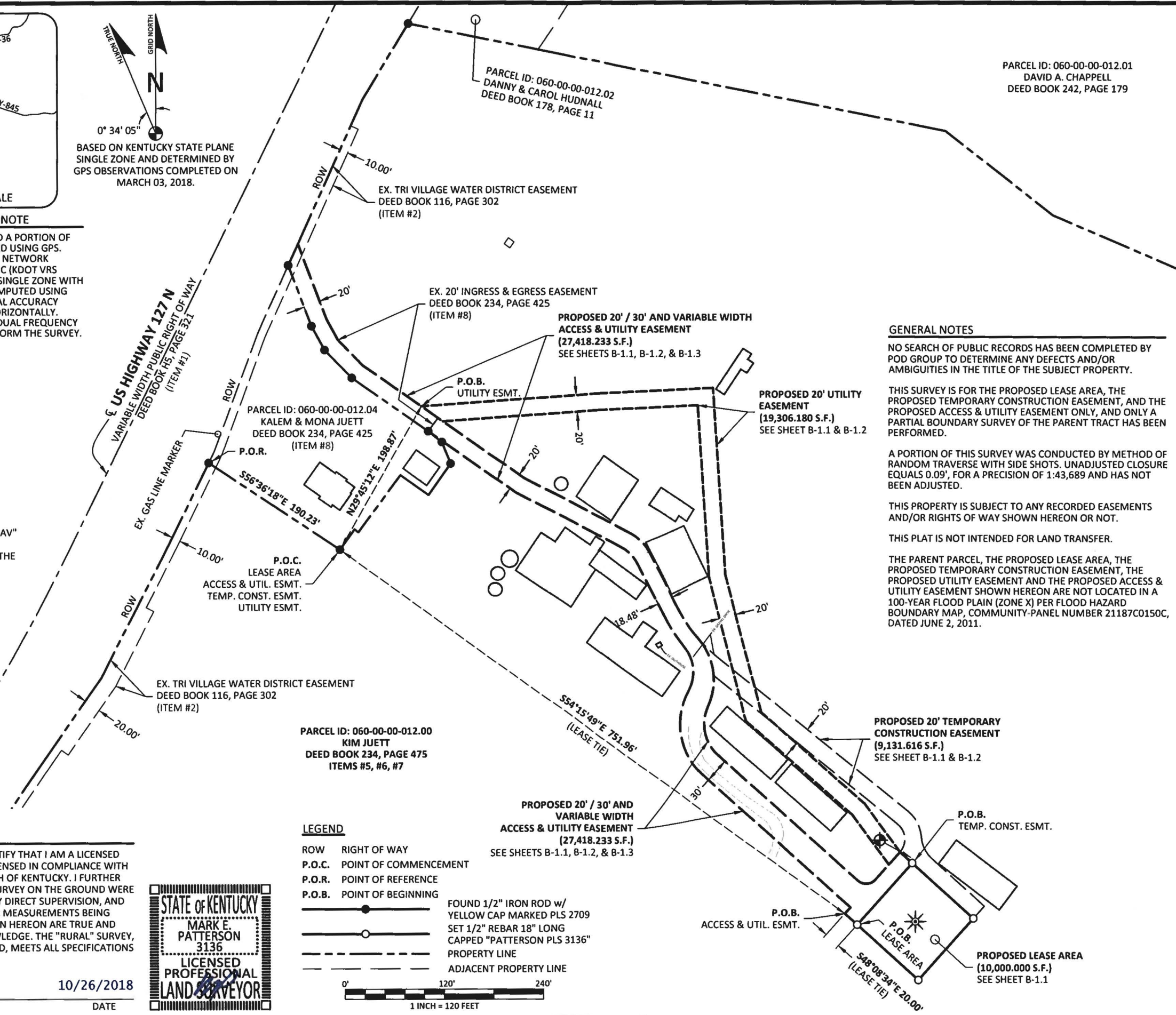
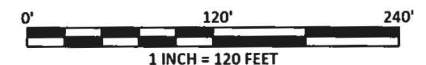
I, MARK E. PATTERSON, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL LAND SURVEYOR LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF KENTUCKY. I FURTHER CERTIFY THAT THIS PLAT AND THE SURVEY ON THE GROUND WERE PERFORMED BY PERSONS UNDER MY DIRECT SUPERVISION, AND THAT THE DIRECTIONAL AND 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.



Mark Patterson
MARK PATTERSON, PLS #3136
DATE: 10/26/2018

LEGEND

- ROW RIGHT OF WAY
- P.O.C. POINT OF COMMENCEMENT
- P.O.R. POINT OF REFERENCE
- P.O.B. POINT OF BEGINNING
- FOUND 1/2" IRON ROD w/ YELLOW CAP MARKED PLS 2709
- SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136"
- PROPERTY LINE
- ADJACENT PROPERTY LINE



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 TEMPORARY CONSTRUCTION EASEMENT, AND THE PROPOSED ACCESS & 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 0.09', FOR A PRECISION OF 1:43,689 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 TEMPORARY CONSTRUCTION EASEMENT, THE PROPOSED UTILITY EASEMENT AND THE PROPOSED ACCESS & UTILITY EASEMENT SHOWN HEREON ARE NOT LOCATED IN A 100-YEAR FLOOD PLAIN (ZONE X) PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NUMBER 21187C0150C, DATED JUNE 2, 2011.

SITE SURVEY

REV.	DATE	DESCRIPTION
A	03.08.18	PRELIM ISSUE
B	03.20.18	TITLE REVIEW & ADD TEMP. CONST. ESMT.
C	09.06.18	ADD UTILITY ESMT. TEMP. CONST. ESMT.
D	10.26.18	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845

3100 HWY 127 N
OWENTON, KY 40359
OWEN COUNTY

TAX PARCEL NUMBER:
060-00-00-012.00

PROPERTY OWNER:
KIM JUETT
2920 HWY 127 N
OWENTON, KY 40359

SOURCE OF TITLE:
DEED BOOK 234, PAGE 475

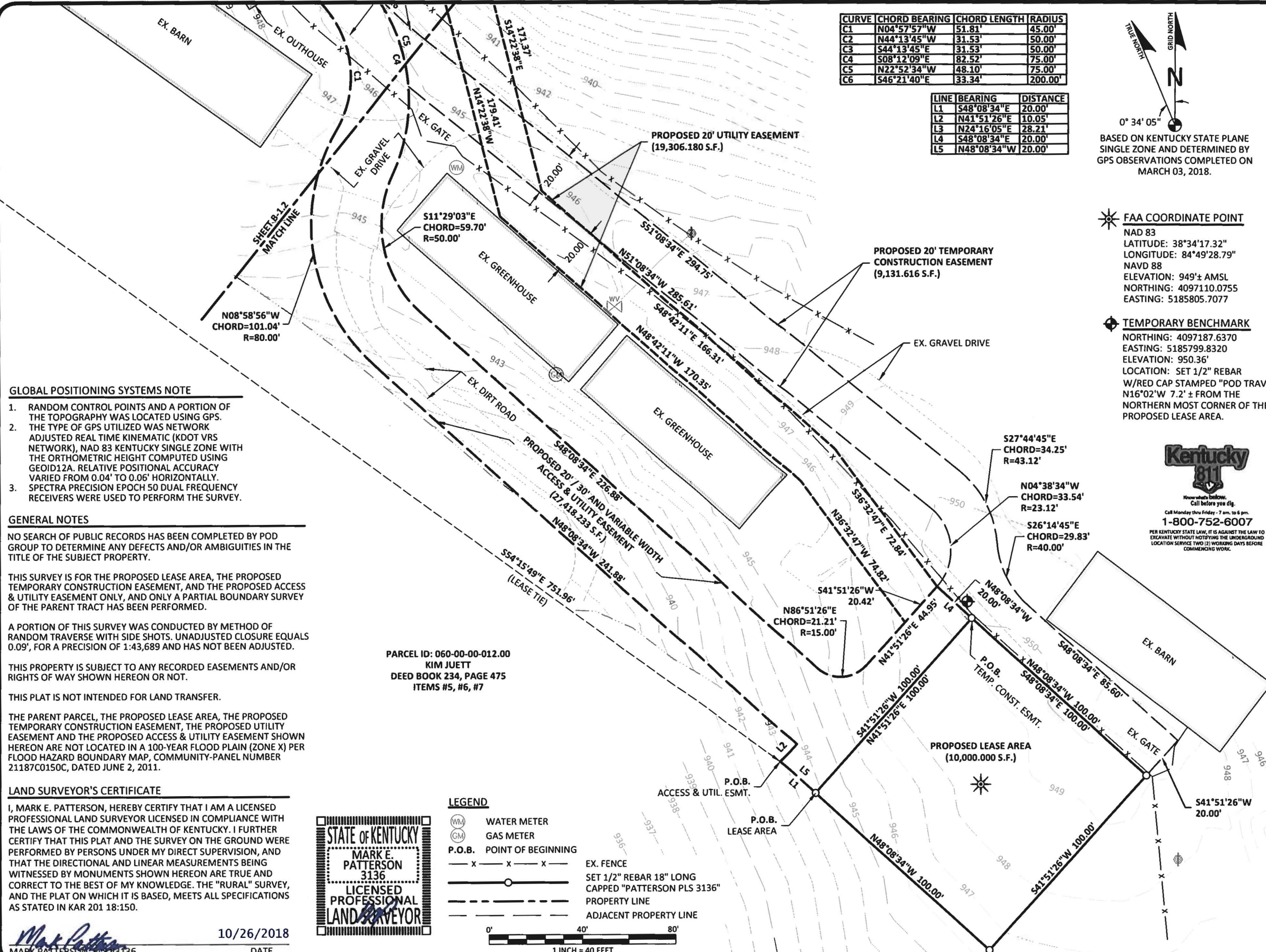
POD NUMBER: 18-20919

DRAWN BY: CPM
CHECKED BY: MEP
SURVEY DATE: 03.03.18
PLAT DATE: 03.08.18

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

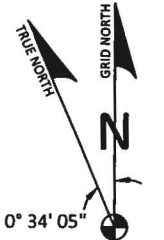
SHEET NUMBER: (5 pages)

B-1



CURVE	CHORD BEARING	CHORD LENGTH	RADIUS
C1	N04°57'57"W	51.81'	45.00'
C2	N44°13'45"W	31.53'	50.00'
C3	S44°13'45"E	31.53'	50.00'
C4	S08°12'09"E	82.52'	75.00'
C5	N22°52'34"W	48.10'	75.00'
C6	S46°21'40"E	33.34'	200.00'

LINE	BEARING	DISTANCE
L1	S48°08'34"E	20.00'
L2	N41°51'26"E	10.05'
L3	N24°16'05"E	28.21'
L4	S48°08'34"E	20.00'
L5	N48°08'34"W	20.00'



BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON MARCH 03, 2018.

FAA COORDINATE POINT
 NAD 83
 LATITUDE: 38°34'17.32"
 LONGITUDE: 84°49'28.79"
 NAVD 88
 ELEVATION: 949± AMSL
 NORTHING: 4097110.0755
 EASTING: 5185805.7077

TEMPORARY BENCHMARK
 NORTHING: 4097187.6370
 EASTING: 5185799.8320
 ELEVATION: 950.36'
 LOCATION: SET 1/2" REBAR W/RED CAP STAMPED "POD TRAV" N16°02'W 7.2' ± FROM THE NORTHERN MOST CORNER OF THE PROPOSED LEASE AREA.



GLOBAL POSITIONING SYSTEMS NOTE

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3. SPECTRA PRECISION EPOCH 50 DUAL FREQUENCY RECEIVERS WERE USED TO PERFORM THE SURVEY.

GENERAL NOTES

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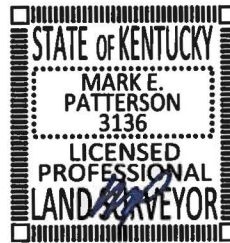
THIS PLAT IS NOT INTENDED FOR LAND TRANSFER.

THE PARENT PARCEL, THE PROPOSED LEASE AREA, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, THE PROPOSED UTILITY EASEMENT AND THE PROPOSED ACCESS & UTILITY EASEMENT SHOWN HEREON ARE NOT LOCATED IN A 100-YEAR FLOOD PLAIN (ZONE X) PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NUMBER 21187C0150C, DATED JUNE 2, 2011.

PARCEL ID: 060-00-00-012.00
 KIM JUETT
 DEED BOOK 234, PAGE 475
 ITEMS #5, #6, #7

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.



10/26/2018
 DATE

LEGEND

- (WM) WATER METER
- (GM) GAS METER
- P.O.B. POINT OF BEGINNING
- X EX. FENCE
- SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136"
- PROPERTY LINE
- - - ADJACENT PROPERTY LINE

0' 40' 80'
 1 INCH = 40 FEET

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

PREPARED FOR:
CELLCO PARTNERSHIP
 D/B/A
verizon

SITE SURVEY

REV.	DATE	DESCRIPTION
A	03.08.18	PRELIM ISSUE
B	03.20.18	TITLE REVIEW & ADD TEMP. CONST. ESMT.
C	09.06.18	ADD UTILITY ESMT. TEMP. CONST. ESMT.
D	10.26.18	ISSUED AS FINAL

SITE INFORMATION:
 LV OLD US 127 RD & KY 845
 3100 HWY 127 N
 OWENTON, KY 40359
 OWEN COUNTY

TAX PARCEL NUMBER:
 060-00-00-012.00

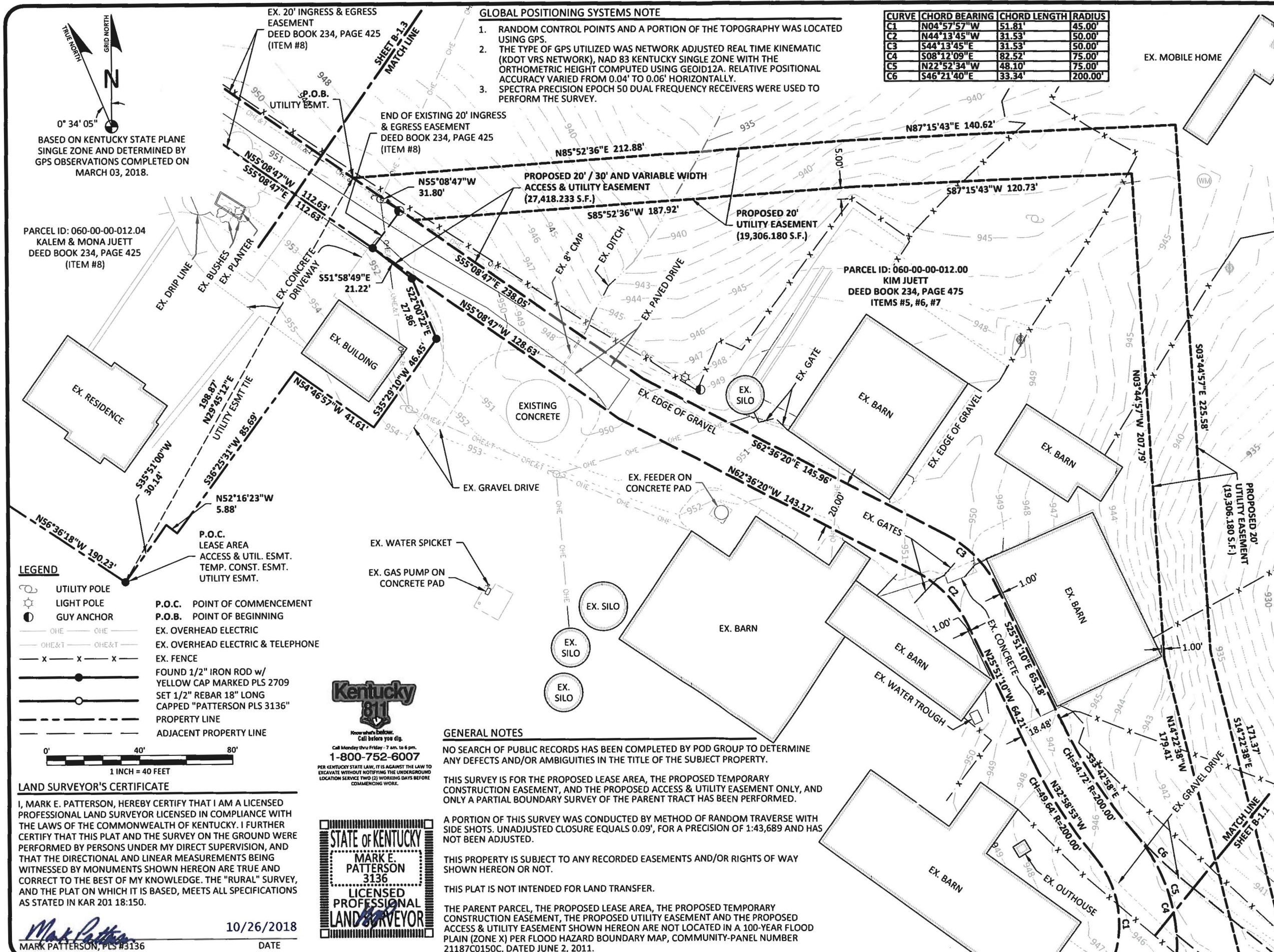
PROPERTY OWNER:
 KIM JUETT
 2920 HWY 127 N
 OWENTON, KY 40359

SOURCE OF TITLE:
 DEED BOOK 234, PAGE 475

POD NUMBER: 18-20919
 DRAWN BY: CPM
 CHECKED BY: MEP
 SURVEY DATE: 03.03.18
 PLAT DATE: 03.08.18

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

SHEET NUMBER: (5 pages)
B-1.1



GLOBAL POSITIONING SYSTEMS NOTE

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CURVE	CHORD BEARING	CHORD LENGTH	RADIUS
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C2	N44°13'45"W	31.53'	50.00'
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C5	N22°52'34"W	48.10'	75.00'
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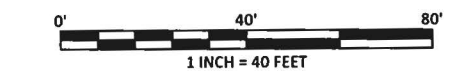
0° 34' 05"
 BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON MARCH 03, 2018.

PARCEL ID: 060-00-00-012.04
 KALEM & MONA JUETT
 DEED BOOK 234, PAGE 425
 (ITEM #8)

PARCEL ID: 060-00-00-012.00
 KIM JUETT
 DEED BOOK 234, PAGE 475
 ITEMS #5, #6, #7

LEGEND

- UTILITY POLE
- LIGHT POLE
- GUY ANCHOR
- OHE
- OHE&T
- OHE&T
- EX. OVERHEAD ELECTRIC
- EX. OVERHEAD ELECTRIC & TELEPHONE
- EX. FENCE
- FOUND 1/2" IRON ROD w/ YELLOW CAP MARKED PLS 2709
- SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136"
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- P.O.C. POINT OF COMMENCEMENT
- P.O.B. POINT OF BEGINNING



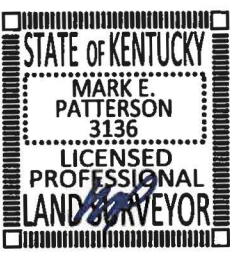
LAND SURVEYOR'S CERTIFICATE

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10/26/2018
 DATE
 MARK PATTERSON, PLS #3136



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



GENERAL NOTES

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PREPARED BY:

 11490 BLUEGRASS PARKWAY
 LOUISVILLE, KY 40299
 502-437-5252

PREPARED FOR:

CELLCO PARTNERSHIP
 D/B/A

SITE SURVEY

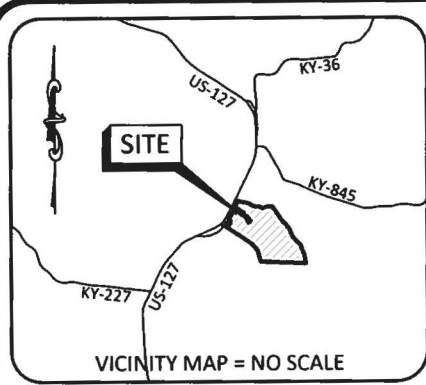
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D	10.26.18	ISSUED AS FINAL

SITE INFORMATION:
 LV OLD US 127 RD & KY 845
 3100 HWY 127 N
 OWENTON, KY 40359
 OWEN COUNTY
 TAX PARCEL NUMBER:
 060-00-00-012.00
 PROPERTY OWNER:
 KIM JUETT
 2920 HWY 127 N
 OWENTON, KY 40359
 SOURCE OF TITLE:
 DEED BOOK 234, PAGE 475

POD NUMBER: 18-20919
 DRAWN BY: CPM
 CHECKED BY: MEP
 SURVEY DATE: 03.03.18
 PLAT DATE: 03.08.18

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

SHEET NUMBER: (5 pages)
B-1.2



FAA COORDINATE POINT

NAD 83
 LATITUDE: 38°34'17.32"
 LONGITUDE: 84°49'28.79"
 NAVD 88
 ELEVATION: 949± AMSL
 NORTHING: 4097110.0755
 EASTING: 5185805.7077

TEMPORARY BENCHMARK

NORTHING: 4097187.6370
 EASTING: 5185799.8320
 ELEVATION: 950.36'
 LOCATION: SET 1/2" REBAR
 W/RED CAP STAMPED "POD
 TRAV" N16°02'W 7.2' ± FROM
 THE NORTHERN MOST CORNER
 OF THE PROPOSED LEASE AREA.

LINE	BEARING	DISTANCE
L1	S48°08'34"E	20.00'
L2	N41°51'26"E	10.05'
L3	N24°16'05"E	28.21'
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LAND SURVEYOR'S CERTIFICATE

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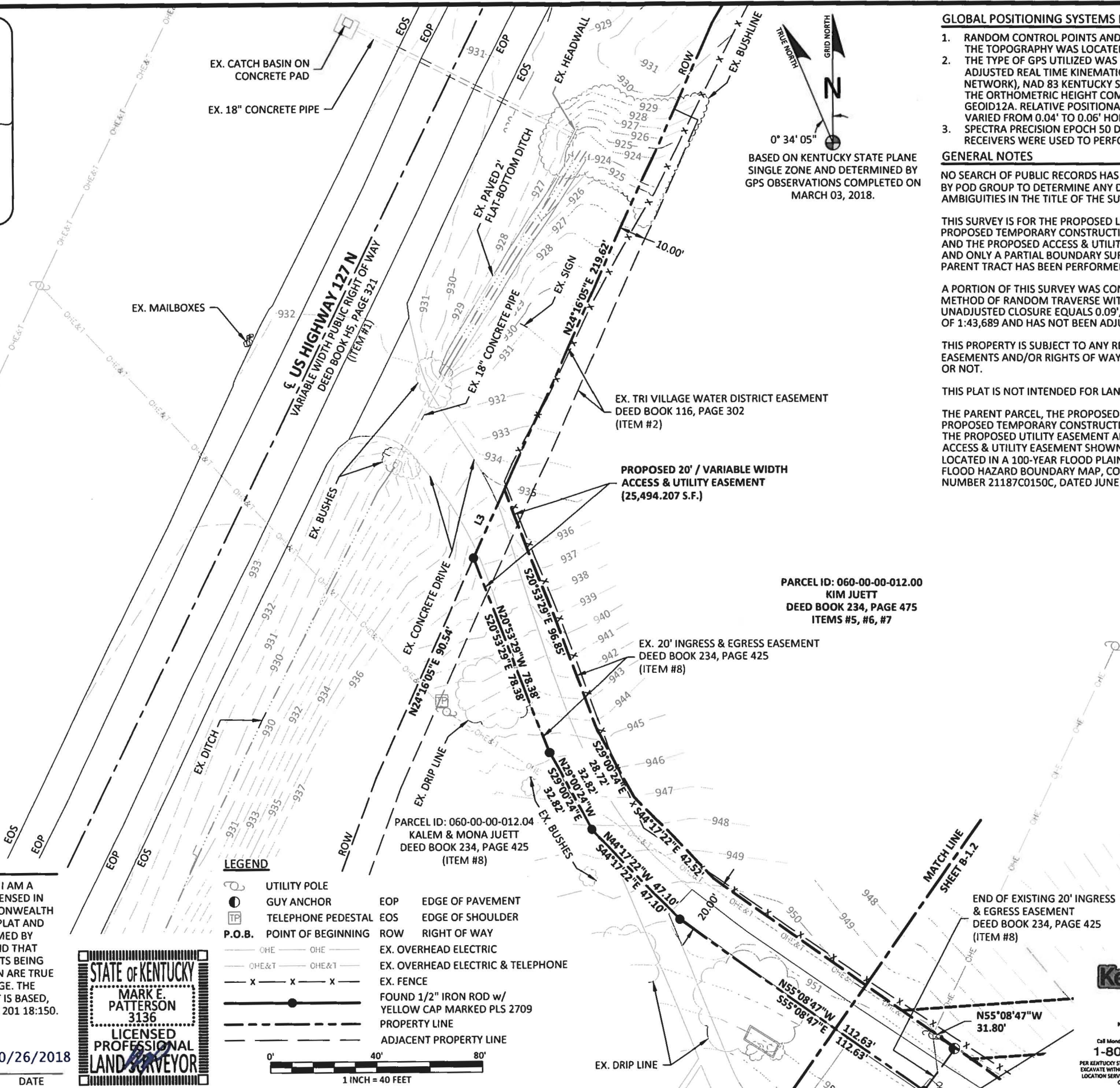
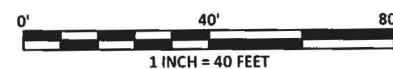
10/26/2018

MARK PATTERSON, PLS #3136

DATE

LEGEND

- UTILITY POLE
- GUY ANCHOR
- TELEPHONE PEDESTAL
- P.O.B. POINT OF BEGINNING
- EOP EDGE OF PAVEMENT
- EOS EDGE OF SHOULDER
- ROW RIGHT OF WAY
- EX. OVERHEAD ELECTRIC
- EX. OVERHEAD ELECTRIC & TELEPHONE
- EX. FENCE
- FOUND 1/2" IRON ROD w/ YELLOW CAP MARKED PLS 2709
- PROPERTY LINE
- ADJACENT PROPERTY LINE



0° 34' 05"
 TRUE NORTH
 GRID NORTH
 N
 BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON MARCH 03, 2018.

GLOBAL POSITIONING SYSTEMS NOTE

1. RANDOM CONTROL POINTS 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 0.06' 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 TEMPORARY CONSTRUCTION EASEMENT, AND THE PROPOSED ACCESS & 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 0.09', FOR A PRECISION OF 1:43,689 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 TEMPORARY CONSTRUCTION EASEMENT, THE PROPOSED UTILITY EASEMENT AND THE PROPOSED ACCESS & UTILITY EASEMENT SHOWN HEREON ARE NOT LOCATED IN A 100-YEAR FLOOD PLAIN (ZONE X) PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NUMBER 21187C0150C, DATED JUNE 2, 2011.

PARCEL ID: 060-00-00-012.00
 KIM JUETT
 DEED BOOK 234, PAGE 475
 ITEMS #5, #6, #7

PARCEL ID: 060-00-00-012.04
 KALEM & MONA JUETT
 DEED BOOK 234, PAGE 425
 (ITEM #8)

END OF EXISTING 20' INGRESS & EGRESS EASEMENT
 DEED BOOK 234, PAGE 425
 (ITEM #8)



Call Monday thru Friday - 7 am. to 5 pm.
 1-800-752-6007
 FOR 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:



PREPARED FOR:



SITE SURVEY

REV.	DATE	DESCRIPTION
A	03.08.18	PRELIM ISSUE
B	03.20.18	TITLE REVIEW & ADD TEMP. CONST. ESMT.
C	09.06.18	ADD UTILITY ESMT. TEMP. CONST. ESMT.
D	10.26.18	ISSUED AS FINAL

SITE INFORMATION:
 LV OLD US 127 RD &
 KY 845
 3100 HWY 127 N
 OWENTON, KY 40359
 OWEN COUNTY

TAX PARCEL NUMBER:
 060-00-00-012.00

PROPERTY OWNER:
 KIM JUETT
 2920 HWY 127 N
 OWENTON, KY 40359

SOURCE OF TITLE:
 DEED BOOK 234, PAGE 475

POD NUMBER: 18-20919

DRAWN BY: CPM
 CHECKED BY: MEP
 SURVEY DATE: 03.03.18
 PLAT DATE: 03.08.18

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

SHEET NUMBER: (5 pages)

B-1.3

LEGAL DESCRIPTIONS

PROPOSED LEASE AREA

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED LEASE AREA TO BE LEASED FROM THE PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, 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 MARCH 3, 2018.

COMMENCING AT A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE SOUTHERNMOST CORNER OF PROPERTY OF KALEM & MONA JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 425, PARCEL ID: 060-00-00-012.04, SAID IRON ROD ALSO BEING A COMMON CORNER TO PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS S56°36'18"E 190.23' FROM A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE EAST RIGHT OF WAY LINE OF U.S. HIGHWAY 127 N; THENCE LEAVING SAID COMMON CORNER AND TRAVERSING ACROSS THE LAND OF KIM JUETT, S54°15'49"E 751.96' TO A POINT IN THE LINE OF THE PROPOSED 20' / 30' AND VARIABLE WIDTH ACCESS & UTILITY EASEMENT; THENCE WITH SAID LINE OF THE PROPOSED 20' / 30' AND VARIABLE WIDTH ACCESS & UTILITY EASEMENT, S48°08'34"E 20.00' TO A SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136", HEREAFTER REFERRED TO AS A "SET IPC", IN THE WESTERN MOST CORNER OF THE PROPOSED LEASE AREA, BEING THE TRUE POINT OF BEGINNING; THENCE N41°51'26"E TO A "SET IPC"; THENCE S48°08'34"E 100.00' TO A "SET IPC"; THENCE S41°51'26"W 100.00' TO A "SET IPC"; THENCE N48°08'34"W 100.00' TO THE POINT OF BEGINNING CONTAINING 10,000.000 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MARCH 3, 2018.

PROPOSED 20' / 30' AND VARIABLE WIDTH ACCESS & UTILITY EASEMENT

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED 20' / 30' AND VARIABLE WIDTH ACCESS & UTILITY EASEMENT TO BE GRANTED FROM THE PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, 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 MARCH 3, 2018.

COMMENCING AT A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE SOUTHERNMOST CORNER OF PROPERTY OF KALEM & MONA JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 425, PARCEL ID: 060-00-00-012.04, SAID IRON ROD ALSO BEING A COMMON CORNER TO PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS S56°36'18"E 190.23' FROM A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE EAST RIGHT OF WAY LINE OF U.S. HIGHWAY 127 N; THENCE LEAVING SAID COMMON CORNER AND TRAVERSING ACROSS THE LAND OF KIM JUETT, S54°15'49"E 751.96' TO THE TRUE POINT OF BEGINNING; THENCE N41°51'26"E 10.05'; THENCE N48°08'34"W 241.88'; THENCE WITH THE CHORD OF A CURVE TO THE RIGHT HAVING A RADIUS OF 80.00', N08°58'56"W 101.04'; THENCE WITH THE CHORD OF A REVERSE CURVE TO THE LEFT HAVING A RADIUS OF 45.00', N04°57'57"W 51.81'; THENCE WITH THE CHORD OF A REVERSE CURVE TO THE RIGHT HAVING A RADIUS OF 200.00', N32°58'53"W 49.64'; THENCE N25°51'10"W 64.21'; THENCE WITH THE CHORD OF A CURVE TO THE LEFT HAVING A RADIUS OF 50.00', N44°13'45"W 31.53'; THENCE N62°36'20"W 143.17'; THENCE N55°08'47"W 128.63 TO A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709, HEREAFTER REFERRED TO AS A "FOUND ROD 2709", SAID ROD BEING A CORNER TO THE AFOREMENTIONED KALEM & MONA JUETT PARCEL, SAID ROD ALSO BEING THE SOUTHERN MOST CORNER OF AN EXISTING 20' INGRESS & EGRESS EASEMENT AS RECORDED IN DEED BOOK 234, PAGE 425; THENCE WITH THE LINE OF SAID KALEM & MONA JUETT AND THE SOUTH LINE OF SAID EXISTING 20' INGRESS & EGRESS EASEMENT FOR THE NEXT 4 CALLS, N55°08'47"W 112.63' TO A "FOUND ROD 2709"; THENCE N44°17'22"W 47.10' TO A "FOUND ROD 2709"; THENCE N29°00'24"W 32.82' TO A "FOUND ROD 2709"; THENCE N20°53'29"W 78.38' TO A "FOUND ROD 2709" IN THE NORTHERN MOST CORNER OF KALEM & MONA JUETT, SAID ROD ALSO BEING A COMMON CORNER TO KIM JUETT, SAID ROD ALSO BEING IN THE EAST RIGHT OF WAY LINE OF U.S. HIGHWAY 127 NORTH; THENCE LEAVING THE LINE OF KALEM & MONA JUETT AND CONTINUING WITH AFOREMENTIONED EXISTING 20' INGRESS & EGRESS EASEMENT AND SAID EAST RIGHT OF WAY LINE OF U.S. HIGHWAY 127 NORTH, N24°16'05"E 28.21'; THENCE LEAVING SAID EAST RIGHT OF WAY LINE AND TRAVERSING THE LAND OF KIM JUETT WITH THE NORTH LINE OF AFOREMENTIONED EXISTING 20' INGRESS & EGRESS EASEMENT FOR THE NEXT 3 CALLS, S20°53'29"E 96.85'; THENCE S29°00'24"E 28.72'; THENCE S44°17'22"E 42.52'; THENCE S55°08'47"E 238.05', PASSING THE END OF THE EXISTING 20' INGRESS & EGRESS EASEMENT AT 111.28'; THENCE S62°36'20"E 145.96'; THENCE WITH THE CHORD OF A CURVE TO THE RIGHT HAVING A RADIUS OF 50.00', S44°13'45"E 31.53'; THENCE S25°51'10"E 65.18'; THENCE WITH THE CHORD OF A CURVE TO THE LEFT HAVING A RADIUS OF 200.00', S33°42'58"E 54.72'; THENCE WITH THE CHORD OF A REVERSE CURVE TO THE RIGHT HAVING A RADIUS OF 75.00', S08°12'09"E 82.52'; THENCE WITH THE CHORD OF A REVERSE CURVE TO THE LEFT HAVING A RADIUS OF 50.00', S11°29'03"E 59.70'; THENCE S48°08'34"E 226.88'; THENCE WITH THE CHORD OF A CURVE TO THE LEFT HAVING A RADIUS OF 15.00', N86°51'26"E 21.21'; THENCE N41°51'26"E 44.95'; THENCE S48°08'34"E 20.00' TO A SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136", HEREAFTER REFERRED TO AS A "SET IPC" IN THE NORTHWEST CORNER OF THE PROPOSED LEASE AREA; THENCE ALONG THE WEST LINE OF SAID LEASE AREA, S41°51'26"W 100.00' TO A SET IPC AT THE SOUTHWEST CORNER OF SAID LEASE AREA; THENCE N48°08'34"W 20.00' TO THE POINT OF BEGINNING CONTAINING 27,418.233 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MARCH 3, 2018.

PROPOSED 30' / VARIABLE WIDTH CONSTRUCTION EASEMENT

THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED 30' / VARIABLE WIDTH CONSTRUCTION EASEMENT TO BE GRANTED FROM THE PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, 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 MARCH 3, 2018.

COMMENCING AT A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE SOUTHERNMOST CORNER OF PROPERTY OF KALEM & MONA JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 425, PARCEL ID: 060-00-00-012.04, SAID IRON ROD ALSO BEING A COMMON CORNER TO PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS S56°36'18"E 190.23' FROM A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE EAST RIGHT OF WAY LINE OF U.S. HIGHWAY 127 N; THENCE LEAVING SAID COMMON CORNER AND TRAVERSING ACROSS THE LAND OF KIM JUETT, S54°15'49"E 751.96' TO A POINT IN THE LINE OF THE PROPOSED 20' / 30' AND VARIABLE WIDTH ACCESS & UTILITY EASEMENT; THENCE WITH THE LINE OF SAID PROPOSED 20' / 30' AND VARIABLE WIDTH ACCESS & UTILITY EASEMENT, S48°08'34"E 20.00' TO A SET 1/2" REBAR 18" LONG CAPPED "PATTERSON PLS 3136", HEREAFTER REFERRED TO AS A "SET IPC" IN THE SOUTHWEST CORNER OF THE PROPOSED LEASE AREA; THENCE ALONG THE WEST LINE OF SAID LEASE AREA, N41°51'26"E 100.00' TO A SET IPC AT THE NORTHWEST CORNER OF SAID LEASE AREA AND BEING THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID LEASE AREA, N48°08'34"W 20.00'; THENCE WITH THE CHORD OF A NON-TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 23.12', N04°38'34"W 33.54'; THENCE N51°08'34"W 285.61'; THENCE WITH THE CHORD OF A NON-TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 75.00', N22°52'34"W 48.10'; THENCE WITH THE CHORD OF A NON-TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 200.00', S46°21'40"E 33.34'; THENCE S51°08'34"E 294.75'; THENCE WITH THE CHORD OF A CURVE TO THE RIGHT HAVING A RADIUS OF 43.12', S27°44'45"E 34.25'; THENCE WITH THE CHORD OF A REVERSE CURVE TO THE LEFT HAVING A RADIUS OF 40.00', S26°14'45"E 29.83'; THENCE S48°08'34"E 85.60'; THENCE S41°51'26"W 20.00' TO A SET IPC IN THE NORTHEAST CORNER OF SAID LEASE AREA; THENCE ALONG THE NORTH LINE OF SAID LEASE AREA, N48°08'34"W 100.00' TO THE POINT OF BEGINNING CONTAINING 19,306.180 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MARCH 3, 2018.

TITLE OF COMMITMENT (PARCEL ID: 060-00-00-012.00)

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. INFORMATION REGARDING THESE MATTERS WERE GAINED FROM AMERICAN TITLE COMPANY, INC., FILE NO. CT-570, PREPARED FOR VERIZON WIRELESS, DATED FEBRUARY 12, 2018 AT 8:00 AM. THE FOLLOWING COMMENTS ARE IN REGARD TO SAID COMMITMENT AND THE NUMBERS IN THE COMMENTS CORRESPOND TO THE NUMBERING SYSTEM IN SAID POLICY.

SCHEDULE B - SECTION II (EXCEPTIONS)

1. OUT CONVEYANCE FROM RAYMOND AND DOROTHY JUETT TO COMMONWEALTH OF KENTUCKY DATED MARCH 5, 1969 OF RECORD IN DEED BOOK H5, PAGE 321, IN THE OFFICE AFORESAID. (OUT CONVEYANCE AS RECORDED IN DEED BOOK H5, PAGE 321 DESCRIBES THE DEDICATION OF LAND TO THE PUBLIC RIGHT OF WAY OF US HIGHWAY 127 AND DOES AFFECT THE PARENT PARCEL AND A PORTION OF THE PROPOSED ACCESS & UTILITY EASEMENT, BUT DOES NOT AFFECT THE PROPOSED 20' UTILITY EASEMENT, THE TEMPORARY CONSTRUCTION EASEMENT OR THE PROPOSED LEASE AREA, AND IS SHOWN HEREON.)
2. RIGHT OF WAY GRANTED TO TRI VILLAGE WATER DISTRICT DATED MARCH 15, 1969 OF RECORD IN DEED BOOK 116, PAGE 302, IN THE OFFICE AFORESAID. (RIGHT OF WAY AS RECORDED IN DEED BOOK 116, PAGE 302 DESCRIBES A PERPETUAL WATER PIPELINE EASEMENT, WHICH DOES AFFECT THE PARENT PARCEL AND A PORTION OF THE PROPOSED ACCESS & UTILITY EASEMENT, BUT DOES NOT AFFECT THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT OR THE PROPOSED LEASE AREA, AND IS SHOWN HEREON.)
3. RIGHT OF WAY GRANTED TO SOUTH CENTRAL BELL TELEPHONE COMPANY DATED NOVEMBER 6, 1969 OF RECORD IN DEED BOOK 115, PAGE 408, IN THE OFFICE AFORESAID. (RIGHT OF WAY AS RECORDED IN DEED BOOK 115, PAGE 408 DESCRIBES A RIGHT OF WAY EASEMENT FOR A BURIED CABLE. SAID CABLE WAS PROPOSED TO BE PLACED APPROXIMATELY 6' FROM THE WATERLINE. HOWEVER, NO WIDTH IS SPECIFIED FOR SAID EASEMENT, AND FURTHER, NO UNDERGROUND WATERLINES OR CABLES WERE LOCATED. AS SUCH, SAID EASEMENT COULD NOT BE PLOTTED HEREON, AND ITS EFFECT ON THE PARENT PARCEL, THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED ACCESS & UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, AND THE PROPOSED LEASE AREA COULD NOT BE DETERMINED.)
4. OUT CONVEYANCE FROM R.W. JUETT AND DOROTHY JUETT TO MARK JUETT AND CINDY JUETT DATED MARCH 31, 1979 OF RECORD IN DEED BOOK 140, PAGE 14, IN THE OFFICE AFORESAID. (OUT CONVEYANCE AS RECORDED IN DEED BOOK 140, PAGE 14 DESCRIBES THE CONVEYANCE OF A PORTION OF THE PARENT PARCEL LOCATED IN THE SOUTHWEST CORNER OF THE PARENT PARCEL, AND DOES AFFECT THE PARENT PARCEL, BUT DOES NOT AFFECT THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED ACCESS & UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, OR THE PROPOSED LEASE AREA.)
5. WILL OF RECORD FOR ORVILLE ROSE DATED DECEMBER 14, 1990 OF RECORD IN WILL BOOK Q, PAGE 293, IN THE OFFICE AFORESAID. (WILL OF RECORD IN WILL BOOK Q, PAGE 293 DOES AFFECT THE PARENT PARCEL, THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED ACCESS & UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, AND THE PROPOSED LEASE AREA.)
6. WILL OF RECORD FOR R.W. JUETT DATED FEBRUARY 4, 2010 OF RECORD IN WILL BOOK X, PAGE 397, IN THE OFFICE AFORESAID. (WILL OF RECORD IN WILL BOOK X, PAGE 297 DOES AFFECT THE PARENT PARCEL, THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED ACCESS & UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, AND THE PROPOSED LEASE AREA.)
7. WILL OF RECORD FOR DOROTHY ROSE JUETT DATED OCTOBER 1, 2010 IN WILL BOOK X, PAGE 542, IN THE OFFICE AFORESAID. (WILL OF RECORD IN WILL BOOK X, PAGE 542 DOES AFFECT THE PARENT PARCEL, THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED ACCESS & UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, AND THE PROPOSED LEASE AREA.)
8. OUT CONVEYANCE FROM MARK JUETT AND KIM JUETT TO KALEM JUETT AND MONA JUETT DATED SEPTEMBER 22, 2011 OF RECORD IN DEED BOOK 234, PAGE 425, IN THE OFFICE AFORESAID. (OUT CONVEYANCE AS RECORDED IN DEED BOOK 234, PAGE 425 DESCRIBES THE CONVEYANCE OF A PORTION OF THE PARENT PARCEL, SPECIFICALLY PARCEL ID: 060-00-00-012.04, AND A 20' INGRESS & EGRESS EASEMENT ACROSS THE PARENT PARCEL, AND DOES AFFECT THE PARENT PARCEL, A PORTION OF THE PROPOSED ACCESS & UTILITY EASEMENT, BUT DOES NOT AFFECT THE PROPOSED 20' UTILITY EASEMENT, THE PROPOSED TEMPORARY CONSTRUCTION EASEMENT, OR THE PROPOSED LEASE AREA, AND IS SHOWN HEREON.)

PROPOSED 20' UTILITY EASEMENT

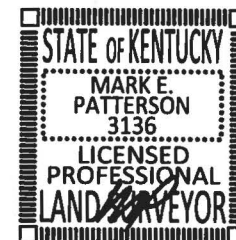
THE FOLLOWING IS A DESCRIPTION OF THE PROPOSED 20' UTILITY EASEMENT TO BE GRANTED FROM THE PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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 MARCH 3, 2018.

COMMENCING AT A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE SOUTHERNMOST CORNER OF PROPERTY OF KALEM & MONA JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 425, PARCEL ID: 060-00-00-012.04, SAID IRON ROD ALSO BEING A COMMON CORNER TO PROPERTY OF KIM JUETT AS DESCRIBED IN DEED BOOK 234, PAGE 475, PARCEL ID: 060-00-00-012.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS S56°36'18"E 190.23' FROM A FOUND 1/2" IRON ROD WITH A YELLOW CAP MARKED PLS 2709 IN THE EAST RIGHT OF WAY LINE OF U.S. HIGHWAY 127 N; THENCE LEAVING SAID COMMON CORNER AND TRAVERSING ACROSS THE LAND OF KIM JUETT, N29°45'12"E 198.87' TO A POINT ON THE LAND OF KIM JUETT PARCEL ID: 060-00-00-012.00 AND BEING THE TRUE POINT OF BEGINNING; THENCE N85°52'36"E 212.88'; THENCE N87°15'43"E 140.62'; THENCE S03°44'57"E 225.58'; THENCE S14°22'38"E 171.37'; THENCE S48°42'11"E 166.31'; THENCE S36°32'47"E 72.84'; THENCE S41°51'26"W 20.42'; THENCE N36°32'47"W 74.82'; THENCE N48°42'11"W 170.35'; THENCE N14°22'38"W 179.41'; THENCE N03°44'57"W 207.79'; THENCE S87°15'43"W 120.73'; THENCE S85°52'36"W 187.92'; THENCE N55°08'47"W 31.80' TO THE POINT OF BEGINNING CONTAINING 19,306.180 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED MARCH 3, 2018.

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.



10/26/2018
DATE

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

PREPARED FOR:
CELCO PARTNERSHIP
D/B/A
verizon

SITE SURVEY

REV.	DATE	DESCRIPTION
A	03.08.18	PRELIM ISSUE
B	03.20.18	TITLE REVIEW & ADD TEMP. CONST. ESMT.
C	09.06.18	ADD UTILITY ESMT. TEMP. CONST. ESMT.
D	10.26.18	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
3100 HWY 127 N
OWENTON, KY 40359
OWEN COUNTY

TAX PARCEL NUMBER:
060-00-00-012.00

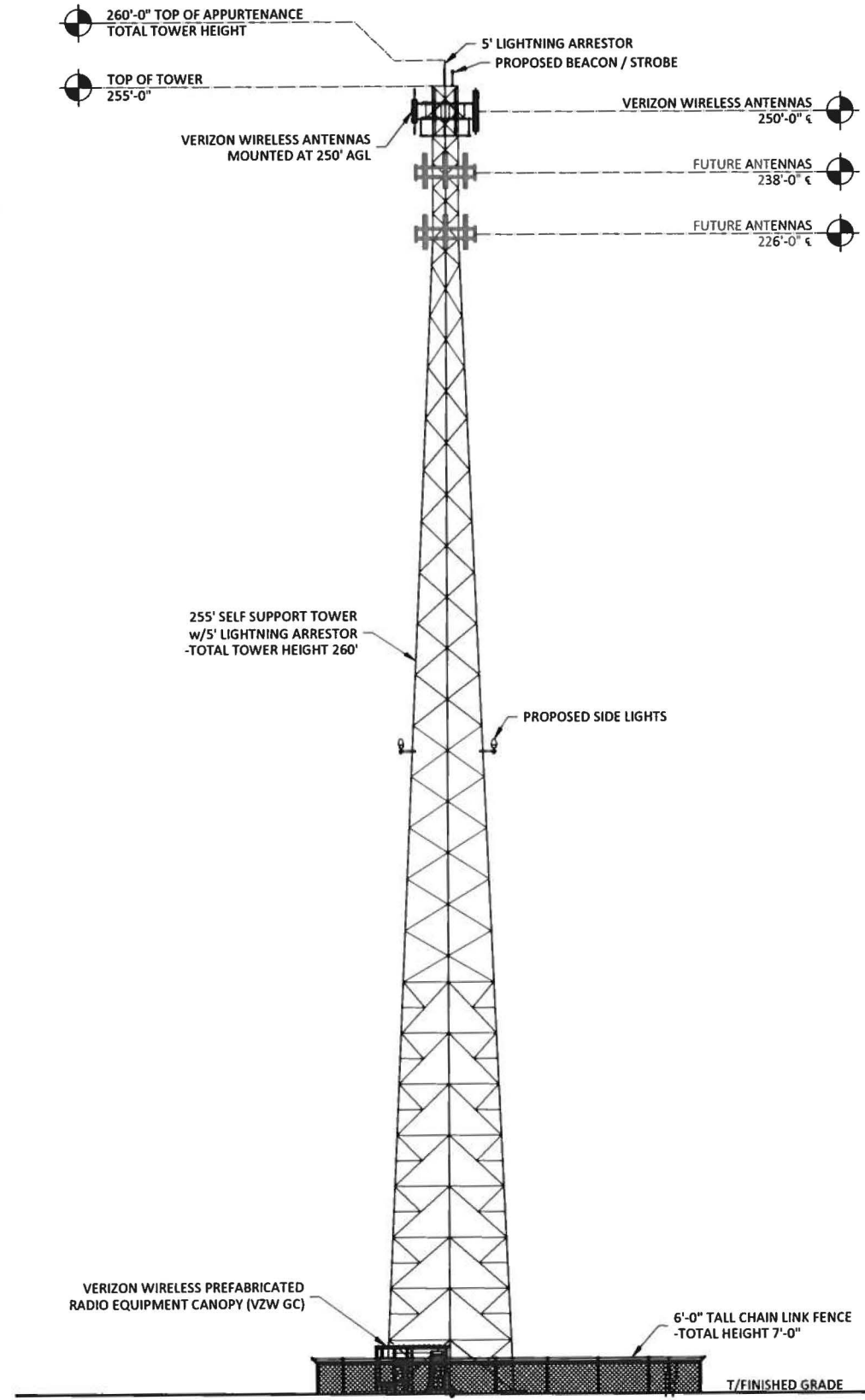
PROPERTY OWNER:
KIM JUETT
2920 HWY 127 N
OWENTON, KY 40359

SOURCE OF TITLE:
DEED BOOK 234, PAGE 475

POD NUMBER: 18-20919
DRAWN BY: CPM
CHECKED BY: MEP
SURVEY DATE: 03.03.18
PLAT DATE: 03.08.18

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

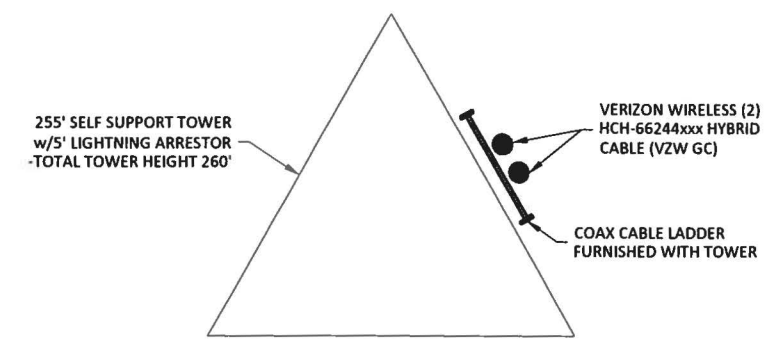
SHEET NUMBER: (5 pages)
B-1.4



TOWER ELEVATION
SCALE: N.T.S.
1
TE-1

NOTE:

1. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS (VZW GC)
2. ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE USFWS INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 200' IN HEIGHT.



COAX PLAN
SCALE: N.T.S.



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

Eco-Site

1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560

9/25/2019



EN PERMIT: 3594

ZONING DRAWINGS

REV.	DATE	DESCRIPTION
A	9.23.19	ISSUED FOR REVIEW
0	9.25.19	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY

ECO-SITE SITE NUMBER:
KY-0024

VERIZON WIRELESS SITE NAME:
LV OLD US 127 RD & KY 845

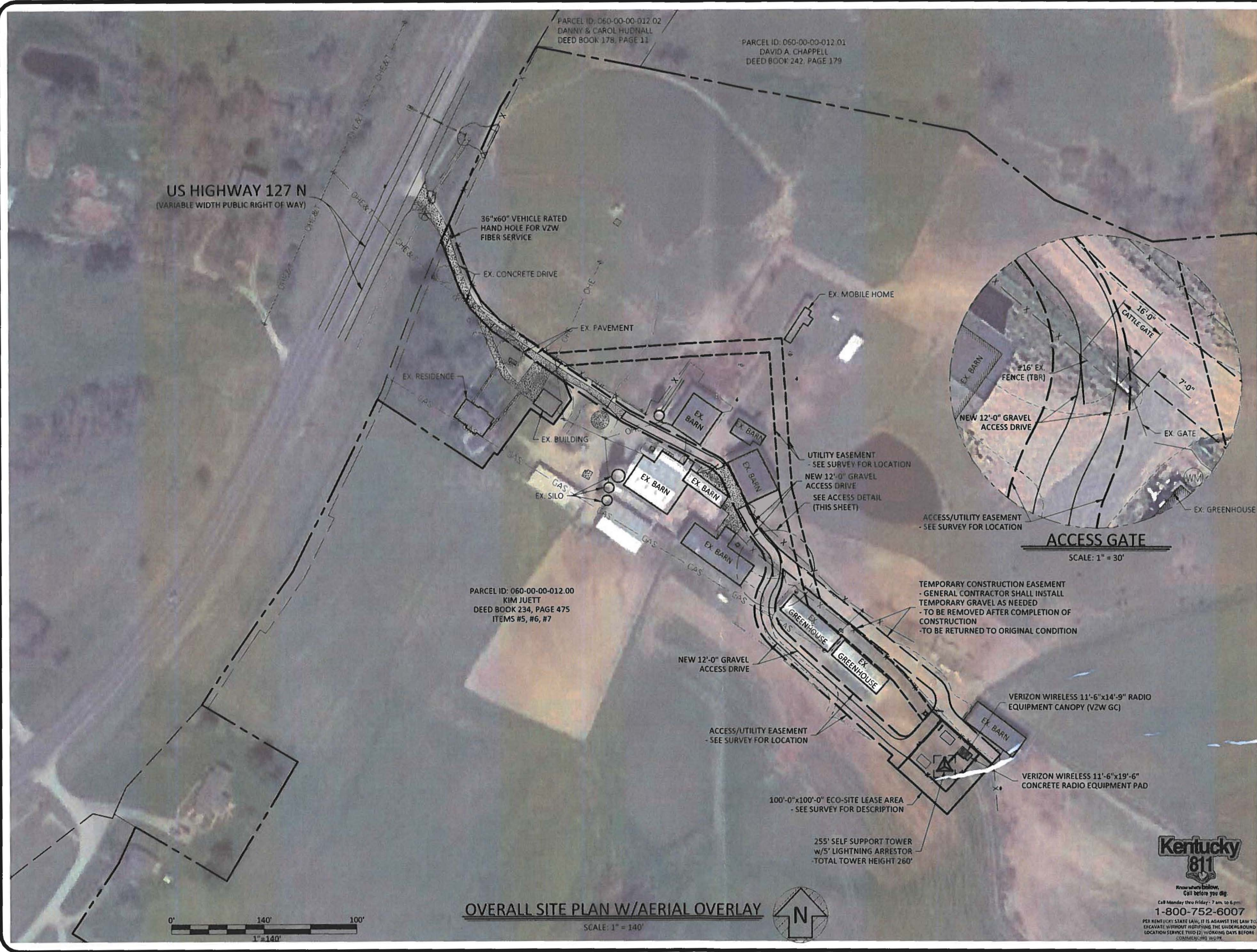
POD NUMBER: 19-43099

DRAWN BY: POD
CHECKED BY: MEP
DATE: 09.23.19

SHEET TITLE:

TOWER ELEVATION

SHEET NUMBER:
TE-1



1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560

9/25/2019



EN PERMIT: 3594

ZONING DRAWINGS

REV.	DATE	DESCRIPTION
A	9.23.19	ISSUED FOR REVIEW
0	9.25.19	ISSUED AS FINAL

SITE INFORMATION:

LV OLD US 127 RD & KY 845
3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY

ECO-SITE SITE NUMBER:
KY-0024

VERIZON WIRELESS SITE NAME:
LV OLD US 127 RD & KY 845

POD NUMBER: 19-43099

DRAWN BY: POD
CHECKED BY: MEP
DATE: 09.23.19

SHEET TITLE:

OVERALL SITE PLAN W/AERIAL OVERLAY

SHEET NUMBER:
C-1

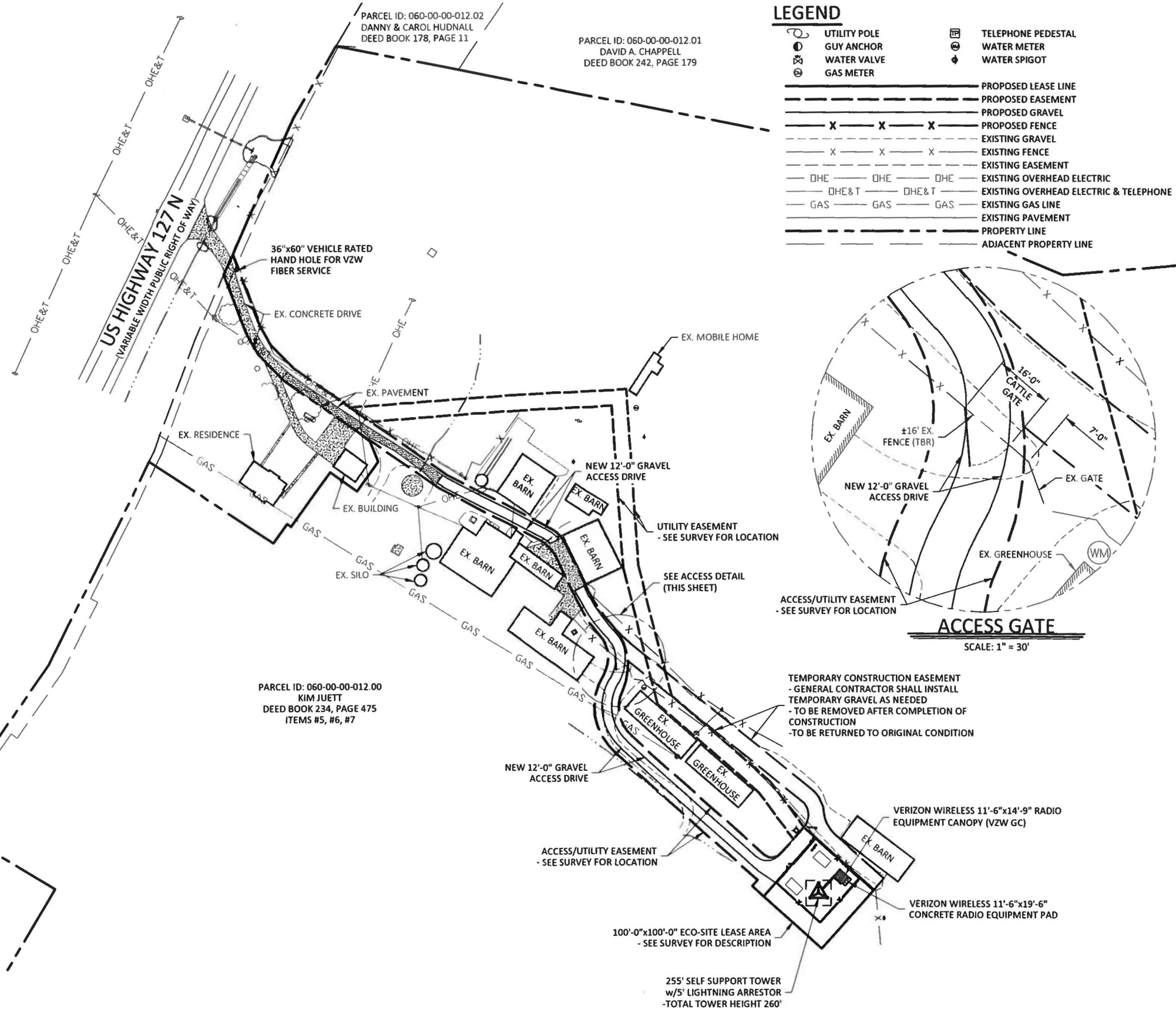


OVERALL SITE PLAN W/AERIAL OVERLAY

SCALE: 1" = 140'

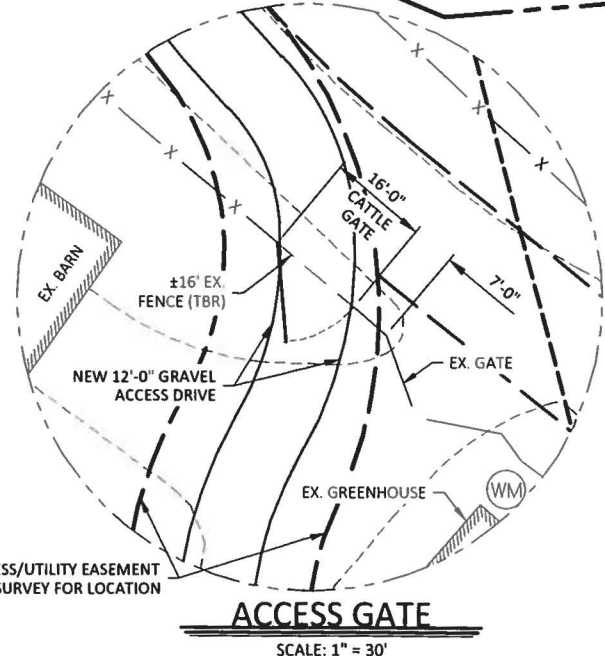


PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



LEGEND

	UTILITY POLE		TELEPHONE PEDESTAL
	GUY ANCHOR		WATER METER
	WATER VALVE		WATER SPIGOT
	GAS METER		
	PROPOSED LEASE LINE		
	PROPOSED EASEMENT		
	PROPOSED GRAVEL		
	PROPOSED FENCE		
	EXISTING GRAVEL		
	EXISTING FENCE		
	EXISTING EASEMENT		
	EXISTING OVERHEAD ELECTRIC		
	EXISTING OVERHEAD ELECTRIC & TELEPHONE		
	EXISTING GAS LINE		
	EXISTING PAVEMENT		
	PROPERTY LINE		
	ADJACENT PROPERTY LINE		

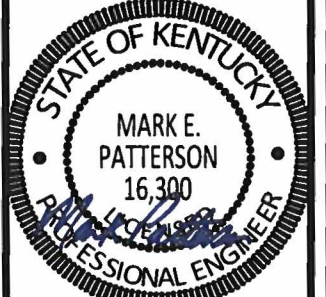


POD
POWER OF DESIGN
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
502-437-5252

Eco-Site[®]

1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560

9/25/2019



EN PERMIT: 3594

ZONING DRAWINGS

REV.	DATE	DESCRIPTION
A	9.23.19	ISSUED FOR REVIEW
0	9.25.19	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY

ECO-SITE SITE NUMBER:
KY-0024

VERIZON WIRELESS SITE NAME:
LV OLD US 127 RD & KY 845

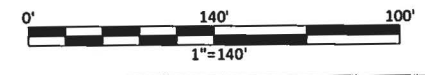
POD NUMBER: 19-43099
DRAWN BY: POD
CHECKED BY: MEP
DATE: 09.23.19

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:
C-1A

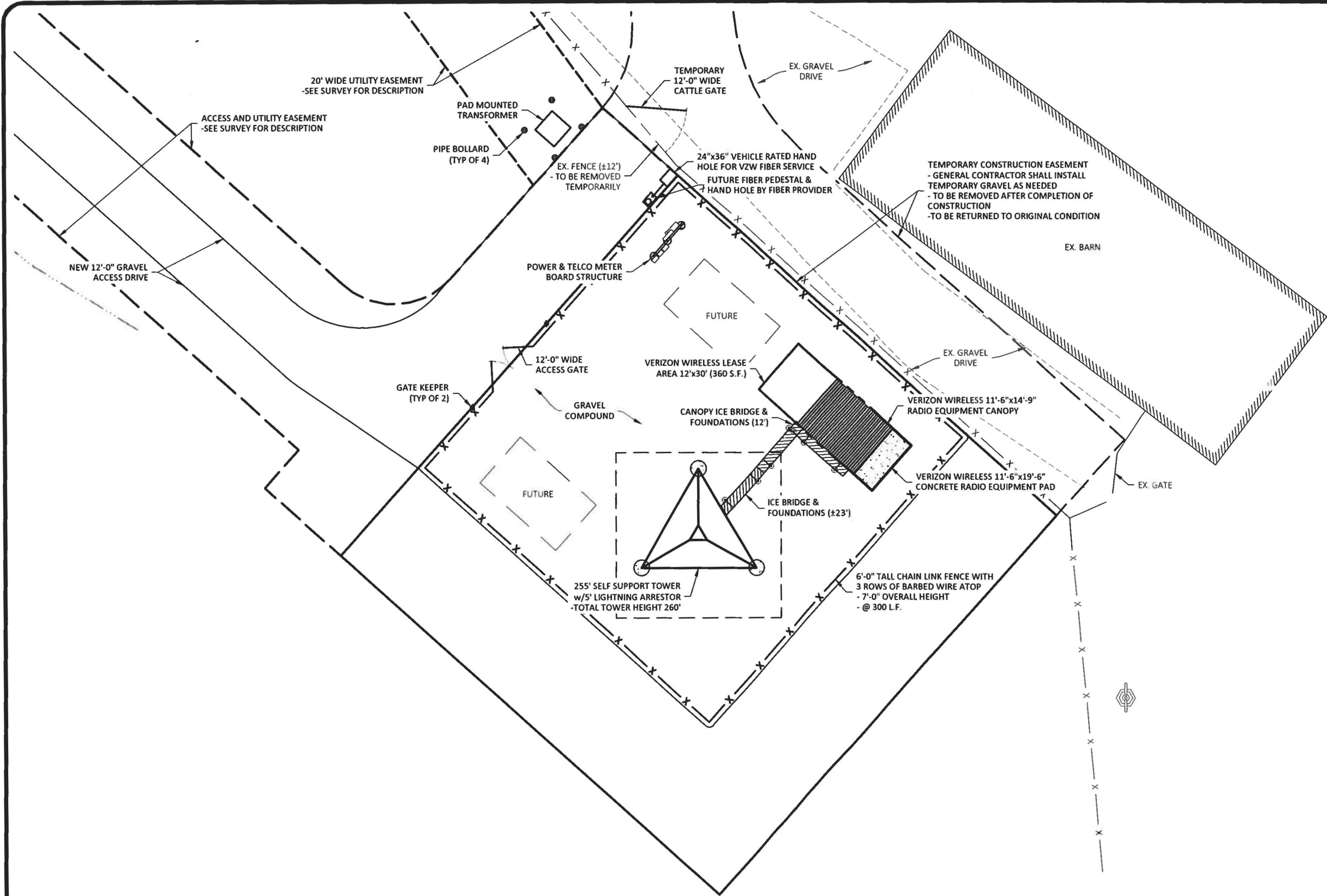
Kentucky 811
Know what's below.
Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007



OVERALL SITE PLAN
SCALE: 1" = 140'



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



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

Eco-Site[®]

1010 SYNC ST., SUITE 575
MORRISVILLE, NC 27560

9/25/2019



EN PERMIT: 3594

ZONING DRAWINGS

REV.	DATE	DESCRIPTION
A	9.23.19	ISSUED FOR REVIEW
0	9.25.19	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
3100 HIGHWAY 127 NORTH
OWENTON, KY 40359
OWEN COUNTY

ECO-SITE SITE NUMBER:
KY-0024

VERIZON WIRELESS SITE NAME:
LV OLD US 127 RD & KY 845

POD NUMBER: 19-43099

DRAWN BY: POD
CHECKED BY: MEP
DATE: 09.23.19

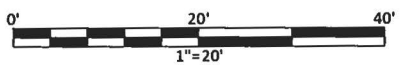
SHEET TITLE:

DETAILED SITE PLAN

SHEET NUMBER:
C-3

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.

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

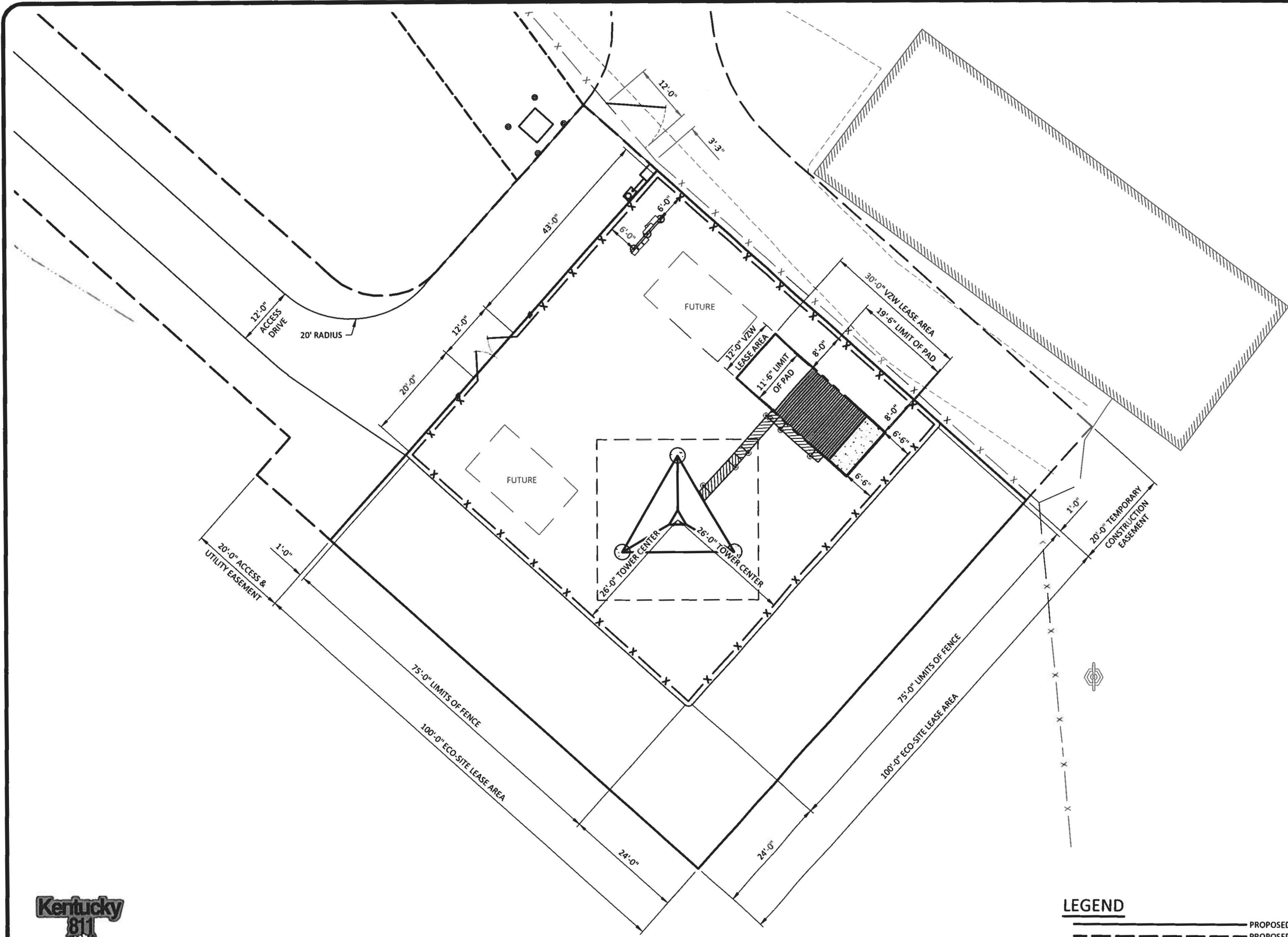


DETAILED SITE PLAN
SCALE: 1" = 20'



LEGEND

- PROPOSED LEASE LINE
- PROPOSED EASEMENT
- PROPOSED GRAVEL
- x-x-x- PROPOSED FENCE
- EXISTING GRAVEL
- EXISTING DITCH

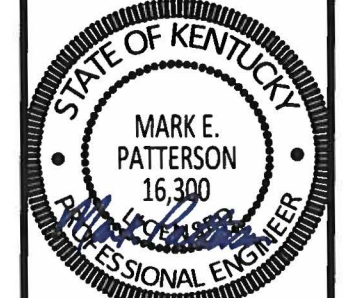


POD
 POWER OF DESIGN
 11490 BLUEGRASS PARKWAY
 LOUISVILLE, KY 40299
 502-437-5252

Eco-Site[®]

1010 SYNC ST., SUITE 575
 MORRISVILLE, NC 27560

9/25/2019



EN PERMIT: 3594

ZONING DRAWINGS

REV.	DATE	DESCRIPTION
A	9.23.19	ISSUED FOR REVIEW
0	9.25.19	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
 3100 HIGHWAY 127 NORTH
 OWENTON, KY 40359
 OWEN COUNTY

ECO-SITE SITE NUMBER:
KY-0024

VERIZON WIRELESS SITE NAME:
LV OLD US 127 RD & KY 845

POD NUMBER: 19-43099

DRAWN BY: POD
 CHECKED BY: MEP
 DATE: 09.23.19

SHEET TITLE:

DIMENSIONED SITE PLAN

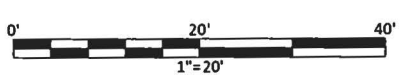
SHEET NUMBER:
C-4

LEGEND

- PROPOSED LEASE LINE
- - - PROPOSED EASEMENT
- PROPOSED GRAVEL
- X - X - X - PROPOSED FENCE
- EXISTING GRAVEL
- X - X - X - EXISTING FENCE
- EXISTING DITCH

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.

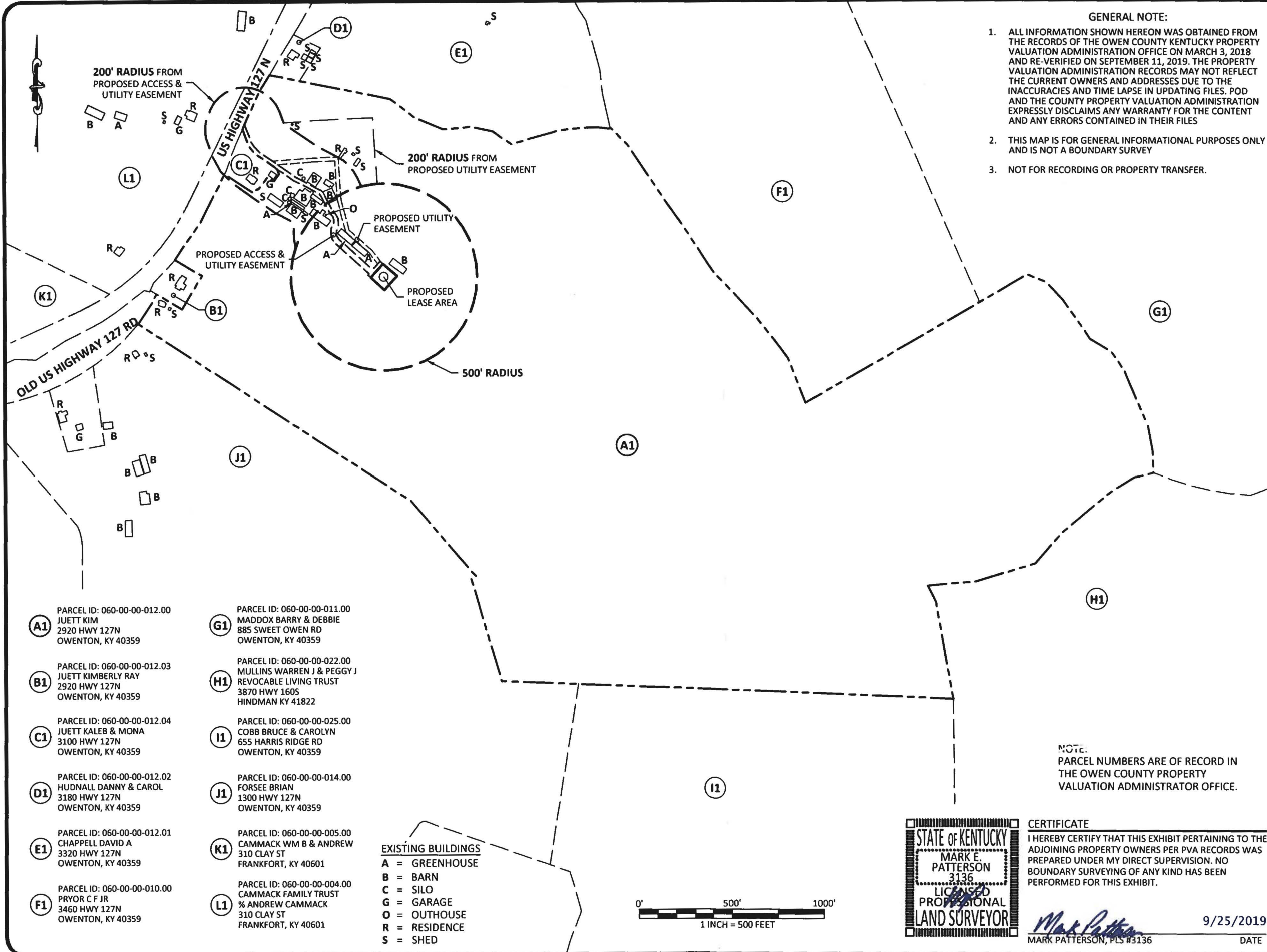
*NOTE:
 GENERAL CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE OF THE STAKED LEASE AREA WITHOUT APPROVAL FROM VERIZON WIRELESS CONSTRUCTION MANAGER



DIMENSIONED SITE PLAN

SCALE: 1" = 20'





GENERAL NOTE:

1. ALL INFORMATION SHOWN HEREON WAS OBTAINED FROM THE RECORDS OF THE OWEN COUNTY KENTUCKY PROPERTY VALUATION ADMINISTRATION OFFICE ON MARCH 3, 2018 AND RE-VERIFIED ON SEPTEMBER 11, 2019. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO THE INACCURACIES AND TIME LAPSE IN UPDATING FILES. POD AND THE COUNTY PROPERTY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANY 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.

PREPARED BY:

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

PREPARED FOR:

CELLCO PARTNERSHIP
D/B/A
verizon

REVISION

REV.	DATE	DESCRIPTION
A	09.11.19	PRELIM ISSUE
D	09.25.19	ISSUED AS FINAL

SITE INFORMATION:
LV OLD US 127 RD & KY 845
3100 HWY 127 N
OWENTON, KY 40359
OWEN COUNTY

TAX PARCEL NUMBER:
060-00-00-012.00

PROPERTY OWNER:
KIM JUETT
2920 HWY 127 N
OWENTON, KY 40359

SOURCE OF TITLE:
DEED BOOK 234, PAGE 475

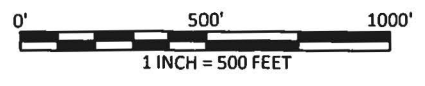
POD NUMBER: 19-43098
DRAWN BY: JRS
CHECKED BY: MEP
SURVEY DATE: 03.03.18
PLAT DATE: 09.11.19

SHEET TITLE:
500' RADIUS AND ABUTTERS MAP

SHEET NUMBER:
B-2

- (A1)** PARCEL ID: 060-00-00-012.00
JUETT KIM
2920 HWY 127N
OWENTON, KY 40359
- (B1)** PARCEL ID: 060-00-00-012.03
JUETT KIMBERLY RAY
2920 HWY 127N
OWENTON, KY 40359
- (C1)** PARCEL ID: 060-00-00-012.04
JUETT KALEB & MONA
3100 HWY 127N
OWENTON, KY 40359
- (D1)** PARCEL ID: 060-00-00-012.02
HUDNALL DANNY & CAROL
3180 HWY 127N
OWENTON, KY 40359
- (E1)** PARCEL ID: 060-00-00-012.01
CHAPPELL DAVID A
3320 HWY 127N
OWENTON, KY 40359
- (F1)** PARCEL ID: 060-00-00-010.00
PRYOR C F JR
3460 HWY 127N
OWENTON, KY 40359
- (G1)** PARCEL ID: 060-00-00-011.00
MADDOX BARRY & DEBBIE
885 SWEET OWEN RD
OWENTON, KY 40359
- (H1)** PARCEL ID: 060-00-00-022.00
MULLINS WARREN J & PEGGY J
REVOCABLE LIVING TRUST
3870 HWY 160S
HINDMAN KY 41822
- (I1)** PARCEL ID: 060-00-00-025.00
COBB BRUCE & CAROLYN
655 HARRIS RIDGE RD
OWENTON, KY 40359
- (J1)** PARCEL ID: 060-00-00-014.00
FORSEE BRIAN
1300 HWY 127N
OWENTON, KY 40359
- (K1)** PARCEL ID: 060-00-00-005.00
CAMMACK WM B & ANDREW
310 CLAY ST
FRANKFORT, KY 40601
- (L1)** PARCEL ID: 060-00-00-004.00
CAMMACK FAMILY TRUST
% ANDREW CAMMACK
310 CLAY ST
FRANKFORT, KY 40601

- EXISTING BUILDINGS**
- A = GREENHOUSE
 - B = BARN
 - C = SILO
 - G = GARAGE
 - O = OUTHOUSE
 - R = RESIDENCE
 - S = SHED



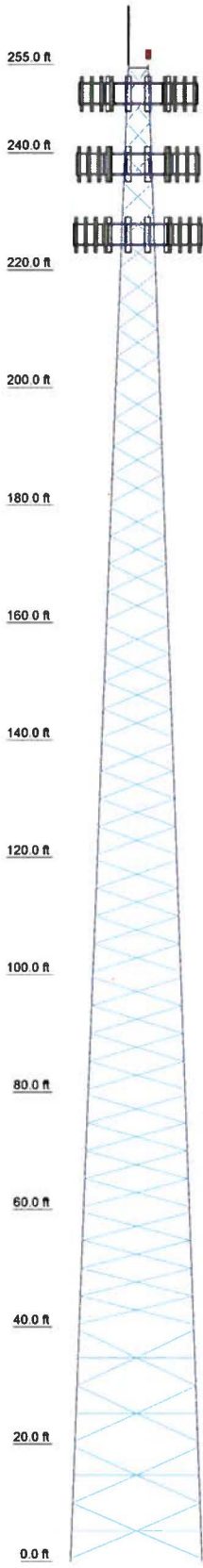
STATE OF KENTUCKY
MARK E. PATTERSON
3136
LICENSED PROFESSIONAL LAND SURVEYOR

CERTIFICATE
I HEREBY CERTIFY THAT THIS EXHIBIT PERTAINING TO THE ADJOINING PROPERTY OWNERS PER PVA RECORDS WAS PREPARED UNDER MY DIRECT SUPERVISION. NO BOUNDARY SURVEYING OF ANY KIND HAS BEEN PERFORMED FOR THIS EXHIBIT.

Mark Patterson
MARK PATTERSON, PLS #3136
9/25/2019
DATE

EXHIBIT D

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	
Legs	SR 1 3/4	SR 2 1/4	SR 2 1/2	SR 2 3/4	SR 3	SR 3 1/4	SR 3 1/2	SR 3 3/4	SR 3 3/4	SR 3 3/4	SR 4	SR 4 1/4		
Leg Grade														
Diagonals														
Diagonal Grade														
Top Girts														
Horizontal														
Inner Bracing														
Face Width (ft)	3.375	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	
# Panels @ (ft)	3 @ 4.66667							48 @ 4.75						
Weight (K)	0.6	1.2	1.4	1.7	2.1	2.6	2.7	3.1	3.7	3.8	4.8	4.9	5.4	38.1



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod 1"x10'	255	Sector2(CaAa=63.333 Sq.ft)No Ice (Carrier 2)	238
Top Beacon	255	Sector3(CaAa=63.333 Sq.ft)No Ice (Carrier 2)	238
Sector1(CaAa=83.333 Sq.ft)No Ice (Carrier 1)	250	Sector1(CaAa=50 Sq.ft)No Ice (Carrier 3)	226
Sector2(CaAa=83.333 Sq.ft)No Ice (Carrier 1)	250	Sector2(CaAa=50 Sq.ft)No Ice (Carrier 3)	226
Sector3(CaAa=83.333 Sq.ft)No Ice (Carrier 1)	250	Sector3(CaAa=50 Sq.ft)No Ice (Carrier 3)	226
Sector1(CaAa=63.333 Sq.ft)No Ice (Carrier 2)	238		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x3/16		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A529-50	50 ksi	65 ksi	A36M-50	50 ksi	65 ksi

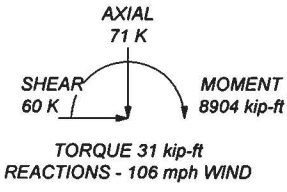
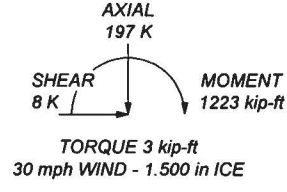
TOWER DESIGN NOTES

1. Tower is located in Owen County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 106 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity.

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 481 K
SHEAR: 35 K

UPLIFT: -418 K
SHEAR: 32 K

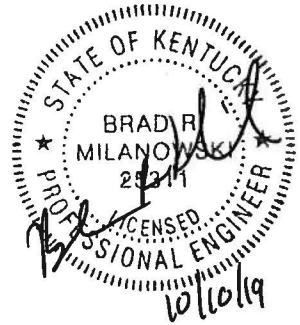
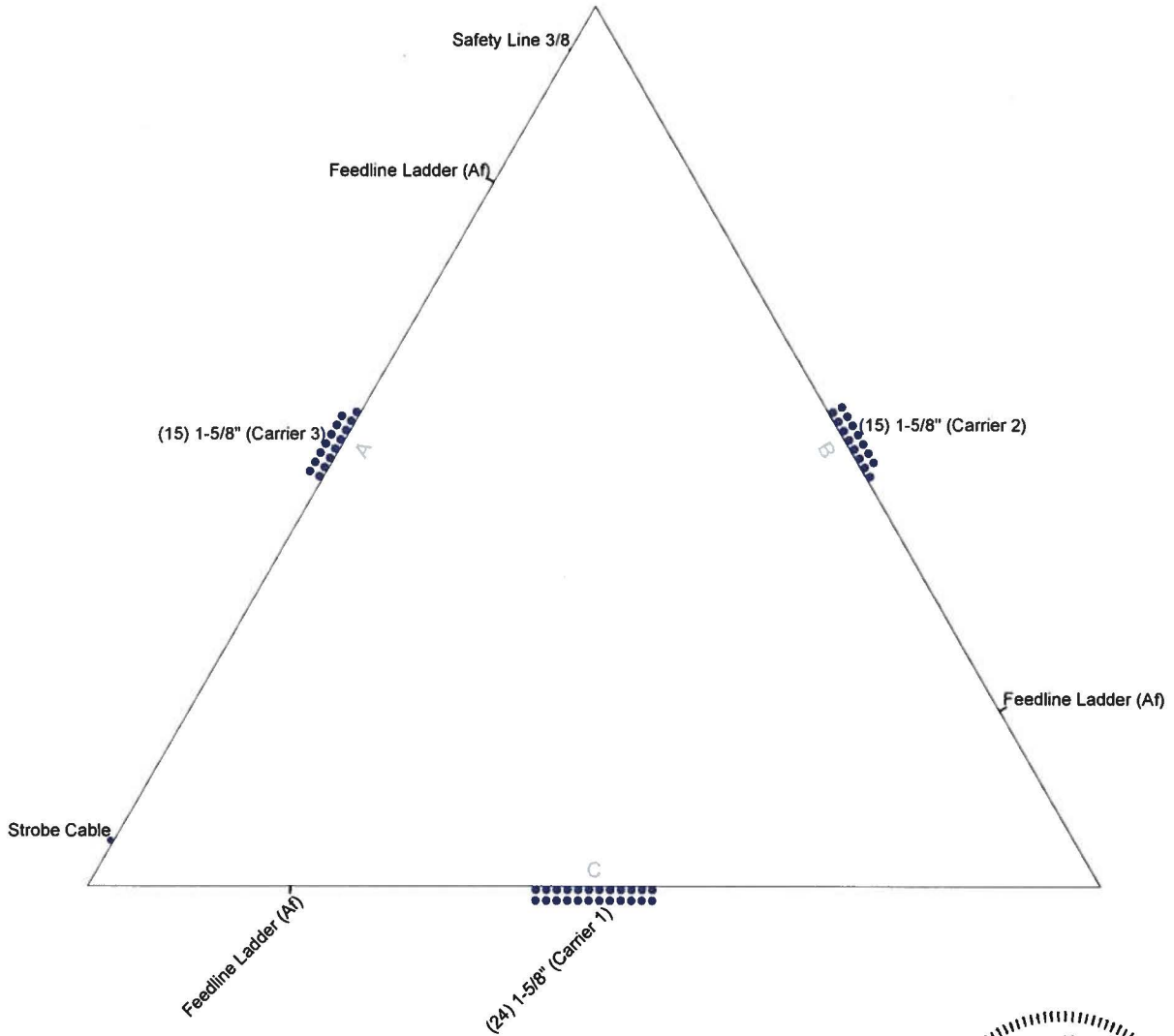


B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 138409.001.01 - LV Old US 127 & KY 845 (Site# KY-01)	Project: 255' SST - Owen County, KY	
Client: Eco-Site	Drawn by: xjones	App'd:
Code: TIA-222-H	Date: 08/30/19	Scale: NTS
Path:	Dwg No. E-1	

Feed Line Plan

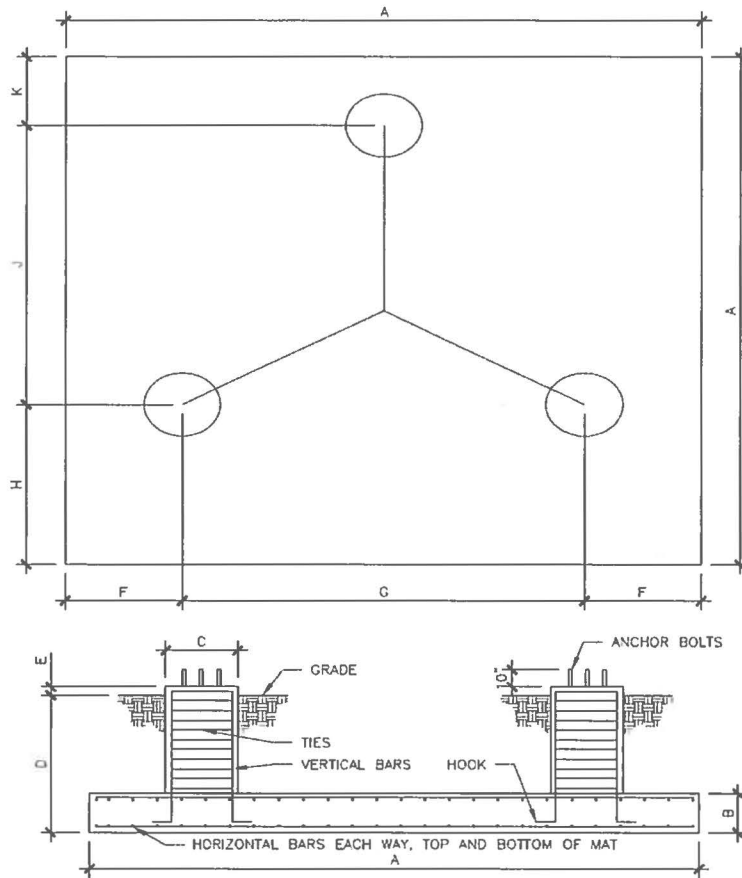
Round
 Flat
 App In Face
 App Out Face



B+T Group
 1717 S. Boulder, Suite 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Job: 138409.001.01 - LV Old US 127 & KY 845 (Site# KY-01)		
Project: 255' SST - Owen County, KY		
Client: Eco-Site	Drawn by: xjones	App'd:
Code: TIA-222-H	Date: 08/30/19	Scale: NTS
Path:		Dwg No: E-7

COMBINED FOOTING DESIGN



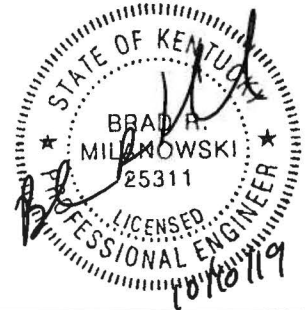
A (ft)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	J (in)	K (in)
32.5	28.0	36	72	6	60	270	117 1/16	233 13/16	39 1/8
Rebar Schedule									
Each Pier (3 req'd)	Use (10) #9 vertical bars w/ 16" hook w/ #4 ties @ 6" c/c.								
Pad	Use (38) #10 bars equally spaced, each way, top and bottom of mat. (152 bars total)								

General Notes:

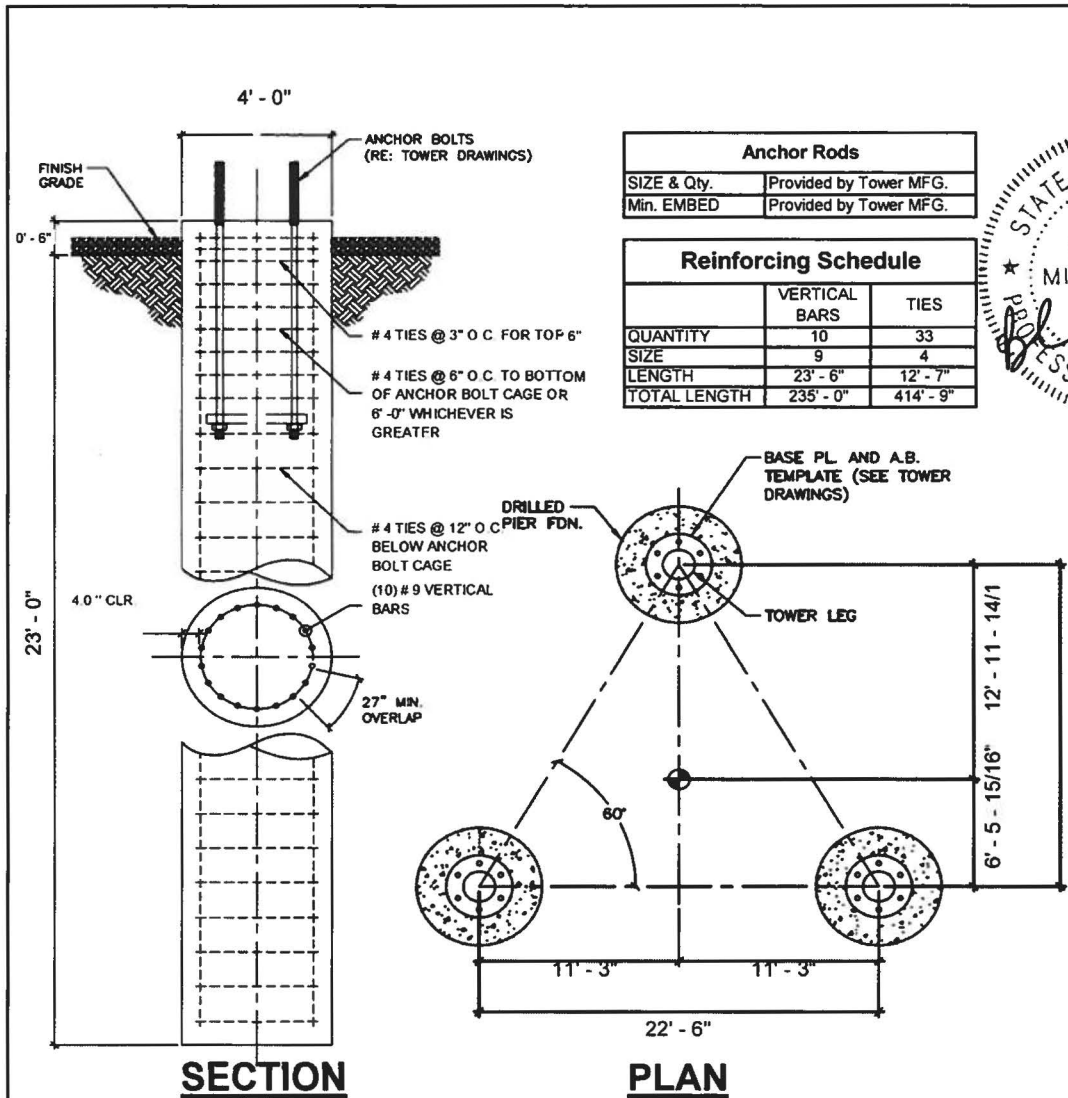
1. Concrete shall be placed in accordance with ACI 318-14 Latest Revision.
2. Concrete shall have a minimum 28 day compressive strength of 4,000 PSI, in accordance with ACI 318-14.
3. Rebar to conform to ASTM specification A615 grade 60, except ties may be grade 40.
4. All rebar to have a minimum of 3" clear cover.
5. Bottom and front surfaces shall rest on undisturbed soil.
6. Backfill shall be compacted to 95% of maximum proctor density.
7. Contractor shall be responsible to review and follow all recommendations of the geotechnical report.
8. Concrete mixtures shall meet the durability requirements of Chapter 19 of the ACI 318-14.
9. Total estimated concrete volume: 94.55 cubic yards.

Supplemental Notes:

Soil values obtained from Power of Design Group, LLC, Project No. 17-15962, Dated: August 28, 2019
Anchor bolts provided by others



<p>B+T GRP</p>	B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74159 (918) 587-4630	Date: 10/10/2019 Site: KY-0024 - LV Old US 127 & KY845 Project: 190' - Self-Supporter Job: 138409.001.01a Scale: NTS	Drawn By: XMJ	<p>Eastpointe Industries</p>	Eastpointe Industries 4020 Tull Ave. Muskogee, Ok 74403 (918) 683-2169	



Anchor Rods	
SIZE & Qty.	Provided by Tower MFG.
Min. EMBED	Provided by Tower MFG.

Reinforcing Schedule		
	VERTICAL BARS	TIES
QUANTITY	10	33
SIZE	9	4
LENGTH	23' - 6"	12' - 7"
TOTAL LENGTH	235' - 0"	414' - 9"



- NOTES:**
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
 - REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40).
 - CONCRETE VOLUME (EACH PIER) = 10.94 CY
 - GEOTECHNICAL PROPERTIES PROVIDED BY:
 - POWER OF DESIGN GROUP, LLC
 - PROJECT NO. 17-15962
 - AUGUST 28, 2019
 - THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.
 - THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA-222-G STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITIONS REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
 - CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.

BASE REACTIONS: (FACTORED LOADS)	
COMPRESSION	481.0 KIPS
UPLIFT	418.0 KIPS
HORIZONTAL	35.0 KIPS

ISSUED FOR:		
REV	DATE	DESCRIPTION
0	8/30/2019	Construction



EASTPOINTE INDUSTRIES, LLC
 CLIENT #: KY-0024
 4020 TULL AVE.
 MUSKOGEE, OK 74403

Sheet Title:
**255'-0" SELF-SUPPORT TOWER
 BASE FOUNDATION**

Site Name: LV OLD US 127 & KY 845
 Project No.: 138409.001.01
 Date: 8/30/2019 Drawn by: XMJ

B+T GRP
 1717 S. Boulder, Suite 300
 Tulsa, OK 74119
 (918) 582-4630

STIPULATION FOR REUSE
 THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER MENTIONED ABOVE AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

Drawing No.
138409.001.01

Rev:
0

SST Unit Base Foundation

TIA-222 Revision:

Top & Bot. Pad Rein. Different?:	<input type="checkbox"/>
Tower Centroid Offset?:	<input type="checkbox"/>
Block Foundation?:	<input type="checkbox"/>

Superstructure Analysis Reactions			
Global Moment, M:	8904	ft-kips	
Global Axial, P:	71	kips	
Global Shear, V:	60	kips	
Leg Compression, P_{comp}:	481	kips	
Leg Comp. Shear, V_{u,comp}:	35	kips	
Leg Uplift, P_{uplift}:	418	kips	
Leg Uplift. Shear, V_{u,uplift}:	32	kips	
Tower Height, H:	255	ft	
Base Face Width, BW:	22.5	ft	
BP Dist. Above Fdn, bp_{dist}:	3	in	

Foundation Analysis Checks				
	Capacity	Demand	Rating	Check
<i>Lateral (Sliding) (kips)</i>	286.58	60.00	20.9%	Pass
<i>Bearing Pressure (ksf)</i>	6.00	2.91	48.5%	Pass
<i>Overturing (kip*ft)</i>	11737.09	9309.00	79.3%	Pass
<i>Pier Flexure (Comp.) (kip*ft)</i>	838.86	145.95	17.4%	Pass
<i>Pier Flexure (Tension) (kip*ft)</i>	204.77	133.44	65.2%	Pass
<i>Pier Compression (kip)</i>	3374.26	486.31	14.4%	Pass
<i>Pad Flexure (kip*ft)</i>	4690.70	2342.08	49.9%	Pass
<i>Pad Shear - 1-way (kips)</i>	738.72	414.23	56.1%	Pass
<i>Pad Shear - Comp 2-way (ksi)</i>	0.164	0.115	70.3%	Pass

Pier Properties			
Pier Shape:	Circular		
Pier Diameter, d_{pier}:	3.0	ft	
Ext. Above Grade, E:	0.50	ft	
Pier Rebar Size, Sc:	9		
Pier Rebar Quantity, mc:	10		
Pier Tie/Spiral Size, St:	4		
Pier Tie/Spiral Quantity, mt:	6		
Pier Reinforcement Type:	Tie		
Pier Clear Cover, cc_{pier}:	3	in	

Soil Rating:	79.3%
Structural Rating:	70.3%

Pad Properties			
Depth, D:	6.00	ft	
Pad Width, W:	32.50	ft	
Pad Thickness, T:	2.33	ft	
Pad Rebar Size (Bottom), Sp:	10		
Pad Rebar Quantity (Bottom), mp:	38		
Pad Clear Cover, cc_{pad}:	3	in	

Material Properties			
Rebar Grade, Fy:	60	ksi	
Concrete Compressive Strength, F'c:	3	ksi	
Dry Concrete Density, δc:	150	pcf	

Soil Properties			
Total Soil Unit Weight, γ:	120	pcf	
Ultimate Gross Bearing, Q_{ult}:	8.000	ksf	
Cohesion, Cu:	0.500	ksf	
Friction Angle, φ:		degrees	
SPT Blow Count, N_{blows}:			
Base Friction, μ:	0.3		
Neglected Depth, N:	2.0	ft	
Foundation Bearing on Rock?	No		
Groundwater Depth, gw:	N/A	ft	

<-- Toggle between Gross and Net

Drilled Pier Foundation

TIA-222 Revision: **G**
 Tower Type: **Self Support**

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)		
Axial Force (kips)	481	418
Shear Force (kips)	35	32

Material Properties	
Concrete Strength, f _c :	4 ksi
Rebar Strength, F _y :	60 ksi

Pier Design Data	
Depth	23 ft
Ext. Above Grade	0.5 ft
Pier Section 1	
<i>From 0.5' above grade to 23' below grade</i>	
Pier Diameter	4 ft
Rebar Quantity	10
Rebar Size	9
Clear Cover to Ties	4 in
Tie Size	4

Analysis Results		
Soil Lateral Capacity	Compression	Uplift
D _{req} (ft from TOC)	12.50	12.50
Soil Safety Factor	29.35	32.10
Max Moment (kip-ft)	329.70	301.44
Rating	4.5%	4.1%
Soil Vertical Capacity	Compression	Uplift
Skin Friction (kips)	428.83	428.83
End Bearing (kips)	499.51	-
Weight of Concrete (kips)	53.16	39.87
Total Capacity (kips)	928.34	468.69
Axial (kips)	534.16	418.00
Rating	57.5%	89.2%
Reinforced Concrete Capacity	Compression	Uplift
Critical Depth (ft from TOC)	12.85	10.52
Critical Moment (kip-ft)	329.02	284.63
Critical Moment Capacity	1396.53	422.30
Rating	23.6%	67.4%
Soil Interaction Rating		89.2%
Structural Foundation Rating		67.4%

Check Limitation	
N/A	<input checked="" type="checkbox"/>
Load Z Normalization:	<input type="checkbox"/>

Min Steel is assumed

Soil Profile												
Groundwater Depth	N/A	ft	# of Layers	4								

Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	120	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3	8	5	120	150	2		1.100	1.100	1.00	1.00			Cohesive
3	8	11	3	135	150	4		2.045	2.045	1.50	1.50			Cohesive
4	11	23	12	135	150	10		4.500	4.500	3.00	3.00	53		Cohesive

EXHIBIT E

OWEN COUNTY, KENTUCKY

CELLCO PARTNERSHIP SITE NAME: LV SPARTA



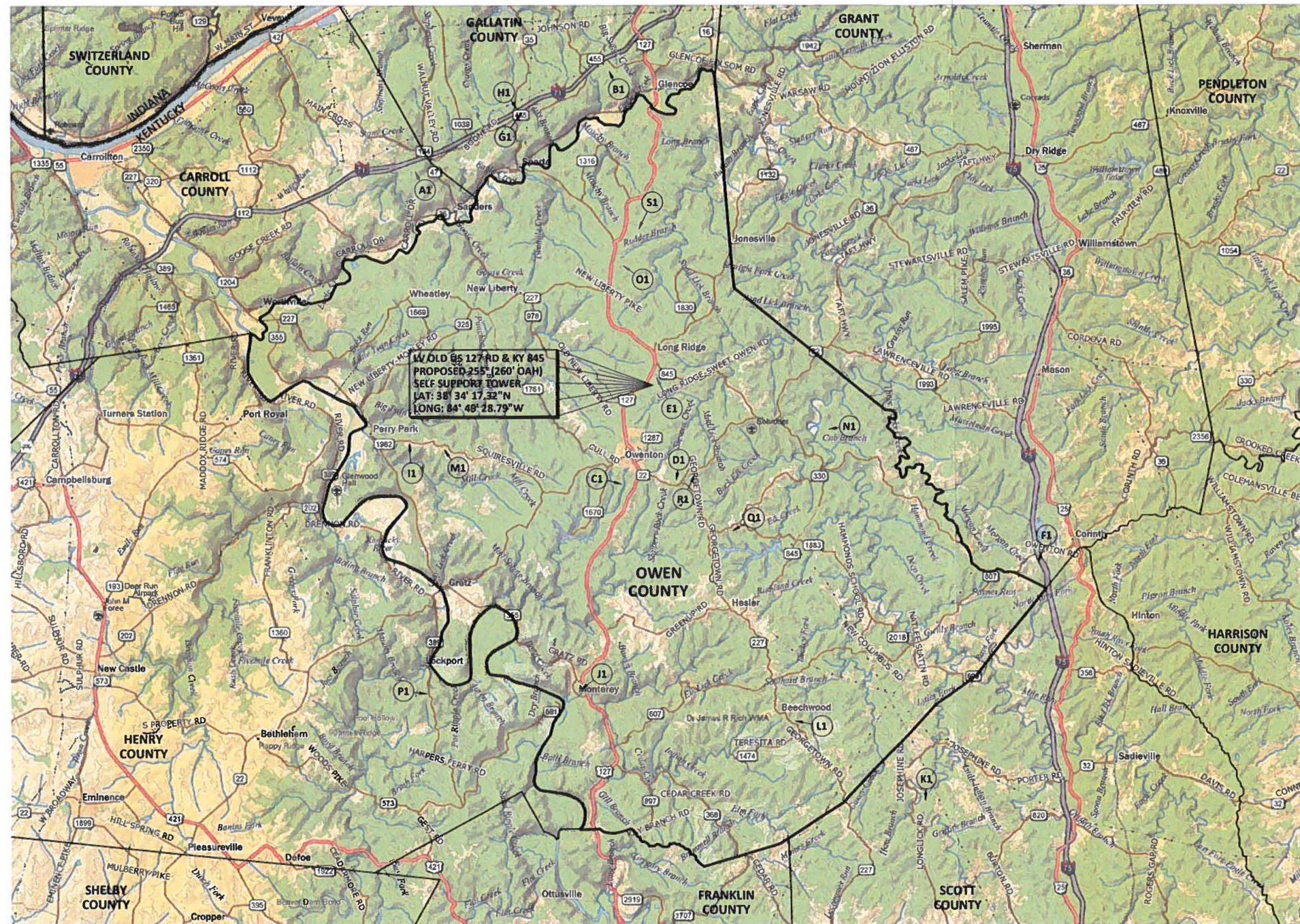
PREPARED BY:

 POWER OF DESIGN
 11490 BLUEGRASS PARKWAY
 LOUISVILLE, KY 40299
 502-437-5252

EXISTING TOWER LEGEND

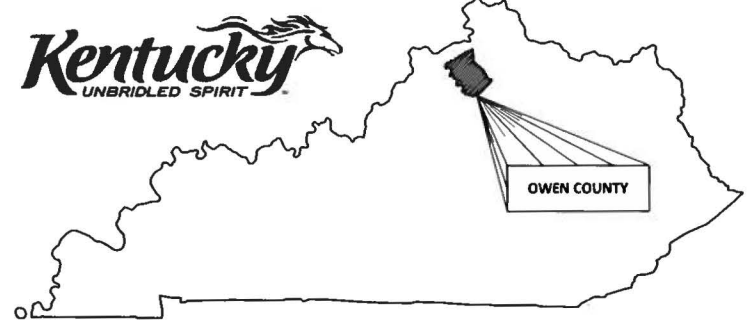
- (A1)** FCC REGISTRATION #: 1000358
CROWN CASTLE GT COMPANY, LLC
LAT: 38° 40' 30.2"N
LONG: 84° 58' 18.8"W
- (B1)** FCC REGISTRATION #: 1036424
CROWN CASTLE GT COMPANY, LLC
LAT: 38° 43' 25.0"N
LONG: 84° 51' 06.0"W
- (C1)** FCC REGISTRATION #: 1043324
CROWN CASTLE SOUTH, LLC
LAT: 38° 31' 26.1"N
LONG: 84° 50' 39.9"W
- (D1)** FCC REGISTRATION #: 1048215
KENTUCKY AUTHORITY FOR
EDUCATIONAL TELEVISION dba = WKON
LAT: 38° 31' 32.0"N
LONG: 84° 48' 39.0"W
- (E1)** FCC REGISTRATION #: 1050171
WORLDWIDE COMMUNICATIONS
ASSOCIATES, INC.
LAT: 38° 34' 30.8"N
LONG: 84° 49' 21.7"W
- (F1)** FCC REGISTRATION #: 1058575
SBA TOWERS, LLC
LAT: 38° 29' 09.0"N
LONG: 84° 35' 10.2"W
- (G1)** FCC REGISTRATION #: 1058582
SBA TOWERS, LLC
LAT: 38° 42' 12.0"N
LONG: 84° 54' 22.4"W
- (H1)** FCC REGISTRATION #: 1206875
STC TWO, LLC
LAT: 38° 42' 18.0"N
LONG: 84° 54' 33.0"W
- (I1)** FCC REGISTRATION #: 1235662
CELLCO PARTNERSHIP
LAT: 38° 32' 36.1"N
LONG: 84° 58' 31.9"W
- (J1)** FCC REGISTRATION #: 1239816
CELLCO PARTNERSHIP
LAT: 38° 25' 28.1"N
LONG: 84° 52' 11.1"W
- (K1)** FCC REGISTRATION #: 1299088
PI TOWER DEVELOPMENT, LLC
c/o LENDLEASE AMERICAS, INC.
LAT: 38° 22' 13.6"N
LONG: 84° 39' 23.6"W
- (L1)** a.k.a. RED OAK RD
FCC REGISTRATION #: 1303987
TILLMAN INFRASTRUCTURE, LLC
LAT: 38° 24' 33.4"N
LONG: 84° 44' 12.0"W
- (M1)** FCC REGISTRATION #: 1304821
UNITI TOWERS, LLC
LAT: 38° 32' 26.4"N
LONG: 84° 57' 15.5"W
- (N1)** (GRANTED)
FCC REGISTRATION #: 1305293
NEW CINGULAR WIRELESS PCS, LLC
LAT: 38° 33' 01.3"N
LONG: 84° 42' 55.4"W
- (O1)** (GRANTED)
FCC REGISTRATION #: 1305983
NEW CINGULAR WIRELESS PCS, LLC
LAT: 38° 37' 47.0"N
LONG: 84° 50' 35.4"W
- (P1)** (GRANTED)
FCC REGISTRATION #: 1306196
NEW CINGULAR WIRELESS PCS, LLC
LAT: 38° 25' 20.1"N
LONG: 84° 57' 54.6"W
- (Q1)** a.k.a. ELK LAKE SHORES
FCC REGISTRATION #: 1306654
TILLMAN INFRASTRUCTURE, LLC
LAT: 38° 30' 03.7"N
LONG: 84° 46' 30.6"W
- (R1)** (GRANTED) a.k.a. LV KY 22
FCC REGISTRATION #: 1311959
CELLCO PARTNERSHIP
LAT: 38° 31' 43.5"N
LONG: 84° 47' 57.8"W
- (S1)** CLIENT PROVIDED TOWER SITES

SITE NAME: LV SPARTA
LAT: 38° 38' 50.60"N
LONG: 84° 50' 00.46"W



NOTE: TOWERS DEPICTED ARE ALL KNOWN TOWER SITES REGISTERED WITH THE FEDERAL COMMUNICATIONS COMMISSION IN OWEN COUNTY, KENTUCKY.

USGS 7.5 MINUTE QUADRANGLE: OWENTON, KY



PREPARED FOR:
CELLCO PARTNERSHIP
 D/B/A


EXHIBIT		
REV.	DATE	DESCRIPTION
A	09.11.19	ISSUED FOR REVIEW

SITE INFORMATION:
LV OLD US 127 RD & KY 845
 3100 HWY 127 N
 OWENTON, KY 40359
 OWEN COUNTY
TAX PARCEL NUMBER:
 060-00-00-012.00
PROPERTY OWNER:
 KIM JUETT
 2920 HWY 127 N
 OWENTON, KY 40359
SOURCE OF TITLE:
 DEED BOOK 234, PAGE 475

POD NUMBER: 18-43097
DRAWN BY: DAP
CHECKED BY: MEP
SURVEY DATE: 03.03.18
PLAT DATE: 09.11.19

SHEET TITLE:
TOWER GRID MAP

SHEET NUMBER: (1 pages)
C-1

EXHIBIT F

10/14/2019

Notice of Proposed Construction or Alteration - Off Airport





March 8, 2018

POD Project #: 18-20919

**CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS**

1A Letter

Site Name: **LV Old Us 127 Rd & KY 845**
Site Number:
Site Address: **3100 Highway 127 North
Owenton, KY 40359**
County: **Owen**
USGS Quad Map: **Owenton**

Site Coordinates:

NAD 83

Latitude: **38° 34' 17.32"**
Longitude: **84° 49' 28.79"**

Site Elevation (NAVD88): **949'± AMSL**

The horizontal coordinates are per the North American Datum of 1983 (2011) Kentucky State Plane Single Zone. Coordinates are shown as degrees, minutes and seconds which were derived from KDOT VRS RTK Network.

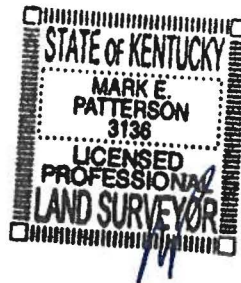
The vertical elevations are per the North American Vertical Datum of 1988, which were derived from KDOT VRS RTK Network.

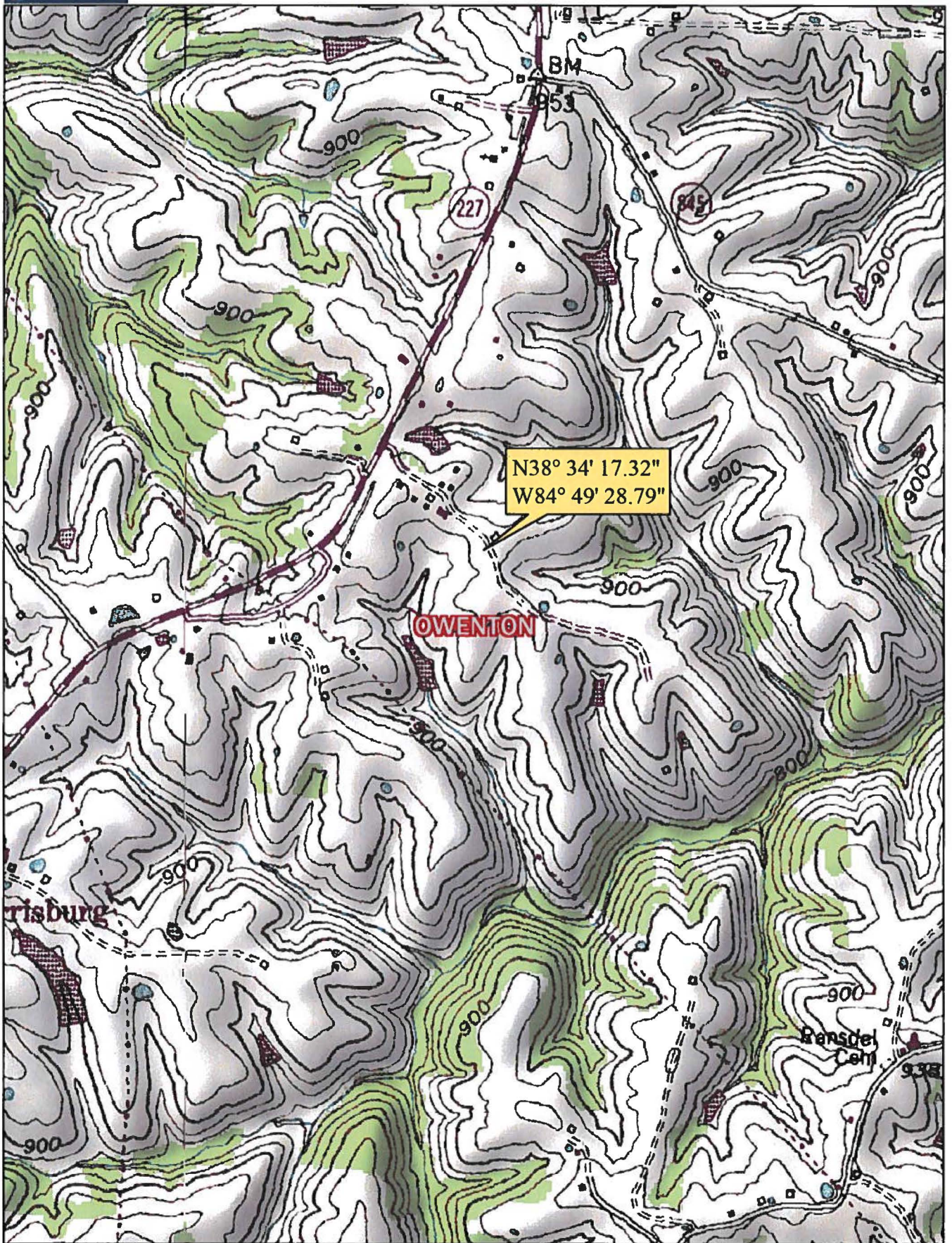
I hereby certify that the horizontal and vertical locations are accurate to within 1A reporting requirements (20'± horizontally and 3'± feet vertically). The type of GPS survey utilized was network adjusted real time kinematic (KDOT VRS RTK Network) with the orthometric height computed using GEOID12A.

The above-mentioned coordinates were established using "Spectra Precision Epoch 50 receivers" and are tied to the National Geodetic Reference System established by the National Geodetic Survey.

Consultant


Mark E. Patterson, PLS
Power of Design Group, LLC
11490 Bluegrass Parkway
Louisville, KY 40299





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www.delorme.com

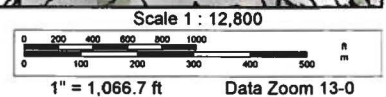


EXHIBIT G



KENTUCKY TRANSPORTATION CABINET
KENTUCKY AIRPORT ZONING COMMISSION

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

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) Verizon Wireless		PHONE	FAX	KY AERONAUTICAL STUDY #	
ADDRESS (street) 5055 North Point Pkwy		CITY Alpharetta		STATE GA	ZIP 30022
APPLICANT'S REPRESENTATIVE (name) Lauren Bradsher		PHONE 770-797-1058	FAX		
ADDRESS (street)		CITY		STATE	ZIP
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start End	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 38°34'17.32"		LONGITUDE 84°49'28.79"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Owenton County Owen		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT 811			
SITE ELEVATION (AMSL, feet) 949		TOTAL STRUCTURE HEIGHT (AGL, feet) 260		CURRENT (FAA aeronautical study #) 2018-ASO-25834-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1209				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 19.05 NM				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) 112.65 ESE					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) 3100 Hwy 127 N					
DESCRIPTION OF PROPOSAL proposed 260' self support tower					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/26/2018					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Lauren Bradsher	TITLE Engineer I	SIGNATURE <i>Lauren Bradsher</i>		DATE 1/16/19	
COMMISSION ACTION <input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC					
<input type="checkbox"/> Approved		SIGNATURE		DATE	
<input type="checkbox"/> Disapproved					

EXHIBIT H

Date: August 28, 2019

POD Job Number: 17-15962

GEOTECHNICAL REPORT

LV OLD US 127 RD & KY 845

38° 34' 17.32" N

84° 49' 28.79" W

3100 Hwy 127 N,
Owenton, KY 40359

Prepared For:



Prepared By:





August 28, 2019

Mr. Mike Rerecich
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

Re: Geotechnical Report – **PROPOSED 255' SELF-SUPPORT TOWER w/ 5' LIGHTNING ARRESTOR**
Site Name: **LV OLD US 127 RD & KY 845**
Site Address: 3100 Hwy 127 N, Owenton, Owen County, Kentucky
Coordinates: N38° 34' 17.32", W84° 49' 28.79"
POD Project No. 17-15962

Dear Mr. Rerecich:

Attached is our geotechnical engineering report for the referenced project. This report contains our findings, an engineering interpretation of these findings with respect to the available project characteristics, and recommendations to aid design and construction of the tower and equipment support foundations.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact our office.

Cordially,

A handwritten signature in blue ink that reads "Mark Patterson".

Mark Patterson, P.E.
Project Engineer
License No.: KY 16300



Copies submitted: (3) Mr. Mike Rerecich

LETTER OF TRANSMITTAL

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APPENDIX

BORING LOCATION PLAN
BORING LOGS
SOIL SAMPLE CLASSIFICATION

Geotechnical Report

LV OLD US 127 RD & KY 845
August 28, 2019

Geotechnical Report
PROPOSED 255' SELF-SUPPORT TOWER w/ 5' LIGHTNING ARRESTOR
Site Name: **LV OLD US 127 RD & KY 845**
3100 Hwy 127 N, Owenton, Owen County, Kentucky
N38° 34' 17.32", W84° 49' 28.79"

1. PURPOSE AND SCOPE

The purpose of this study was to determine the general subsurface conditions at the site of the proposed tower by drilling three borings and to evaluate this data with respect to foundation concept and design for the proposed tower and shelter. Also included is an evaluation of the site with respect to potential construction problems and recommendations dealing with quality control during construction.

2. PROJECT CHARACTERISTICS

Verizon is proposing to construct a self-support tower and either an equipment shelter, slab or platform at N38° 34' 17.32", W84° 49' 28.79", 3100 Hwy 127 N, Owenton, Owen County, Kentucky. The site is located in a farm field next to some greenhouses and a barn in a rural area north of Owenton. The proposed lease area will be 10,000 square feet and will be accessed by an existing concrete and gravel drive off Hwy 127 running east to the site. The elevation at the proposed tower location is about EL 949 and there is about 6 feet change in elevation across the proposed lease area. The development will also include a small equipment shelter near the base of the tower. The proposed tower location is shown on the Boring Location Plan in the Appendix.

3. SUBSURFACE CONDITIONS

The subsurface conditions were explored by drilling three test borings near the base of the proposed tower. The Geotechnical Soil Test Boring Logs, which are included in the Appendix, describes the materials and conditions encountered. A sheet defining the terms and symbols used on the boring logs is also included in the Appendix. The general subsurface conditions disclosed by the test borings are discussed in the following paragraphs.

According to the Kentucky Geological Survey, Kentucky Geologic Map Information Services, the site is underlain by the Upper Ordovician age Calloway Creek Limestone Formation. This formation consists of limestone with minor shale. There is medium karst potential for this formation and one sinkhole was mapped with one-quarter mile of the site.

The borings encountered about 6 to 10 inches of topsoil at the existing ground surface. Below the topsoil, the borings encountered silty clay (CL) of low to medium plasticity that contained a significant amount of highly weathered rock fragments below about 8 feet to auger refusal depths between 9.3 and 11.6 feet. Auger refusal is defined as the depth at which the boring can no longer be advanced using the current drilling method. The SPT N-values in the silty clay

Geotechnical Report

LV OLD US 127 RD & KY 845
August 28, 2019

were between 9 and over 50 blows per foot (bpf) generally indicating a medium stiff to hard consistency.

The refusal material was cored in Boring 1 from 11.6 to 26.6 feet below the ground surface. Limestone with thin shale partings that was hard, moderately to slightly weathered, light gray to gray was encountered. The recoveries of the cores were 80, 93 and 100 percent with RQD values of 28, 50 and 30 percent. These values generally represent fair quality rock from a foundation support viewpoint.

Observations made at the completion of soil drilling operations indicated the borings to be dry. It must be noted, however, that short-term water readings in test borings are not necessarily a reliable indication of the actual groundwater level. Furthermore, it must be emphasized that the groundwater level is not stationary but will fluctuate seasonally.

Based on the limited subsurface conditions encountered at the site and using Table 1615.1.1 of the 2018 Kentucky Building Code, the site class is considered "C". Seismic design requirements for telecommunication towers are given in section 1622 of the code. A detailed seismic study was beyond the scope of this report.

4. FOUNDATION DESIGN RECOMMENDATIONS

The following design recommendations are based on the previously described project information, the subsurface conditions encountered in our borings, the results of our laboratory testing, empirical correlations for the soil types encountered, our analyses, and our experience. If there is any change in the project criteria or structure location, you should retain us to review our recommendations so that we can determine if any modifications are required. The findings of such a review can then be presented in a supplemental report or addendum.

We recommend that the geotechnical engineer be retained to review the near-final project plans and specifications, pertaining to the geotechnical aspects of the project, prior to bidding and construction. We recommend this review to check that our assumptions and evaluations are appropriate based on the current project information provided to us, and to check that our foundation and earthwork recommendations were properly interpreted and implemented.

4.1. Proposed Tower

Our findings indicate that the proposed self-support can be supported on drilled piers or on a common mat foundation.

4.1.1. Drilled Piers

The following table summarizes the recommended values for use in analyzing lateral and frictional resistance for the various strata encountered at the test boring. It is important to note that these values are estimated based on the standard penetration test results and soil types and were not directly measured. The all values provided are ultimate values and appropriate factors of safety should be used in conjunction with these values. If the piers will bear deeper than about 26 feet, a deeper boring should be drilled to determine the nature of the deeper material.

Depth Below Ground Surface, feet	0 - 3	3 - 8	8 - 11	11 - 26
Ultimate Bearing Pressure (psf)		11,600	23,000	53,000
C Undrained Shear Strength, psf	500	2,000	4,000	10,000
ϕ Angle of Internal Friction degrees	0	0	0	0
Total Unit Weight, pcf	120	120	135	135
Soil Modulus Parameter k, pci	30	750	1000	2000
Passive Soil Pressure, psf/one foot of depth		1,350 + 40(D-3)	2,675 + 45(D-8)	6,750 + 45(D-11)
Side Friction, psf		500	750	1500

Note: D = Depth below ground surface (in feet) to point at which the passive pressure is calculated.

It is important that the drilled piers be installed by an experienced, competent drilled pier contractor who will be responsible for properly installing the piers in accordance with industry standards and generally accepted methods, without causing deterioration of the subgrade. The recommendations contained herein relate only to the soil-pier interaction and do not account for the structural design of the piers.

4.1.2. Mat Foundation

The tower could be supported on a common mat foundation bearing on the silty clay at a minimum of 3 feet can be designed using an allowable soil pressure of 4,000 pounds per square foot may be used. This value may be increased by 30 percent for the maximum edge pressure under transient loads. A friction value of 0.30 may be used between the

Geotechnical Report

LV OLD US 127 RD & KY 845
August 28, 2019

concrete and the silty clay soil. The passive pressures given for the drilled pier foundation may be used to resist lateral forces.

It is important that the mat be designed with an adequate factor of safety with regard to overturning under the maximum design wind load.

4.2. Equipment Platform

An equipment platform may be supported on shallow piers bearing in the natural clay and designed for a net allowable soil pressure of 2,500 pounds per square foot. The piers should bear at a depth of at least 24 inches to minimize the effects of frost action. All existing topsoil or soft natural soil should be removed beneath footings.

4.3. Equipment Slab

A concrete slab supporting the equipment must be supported on at least 6-inch layer of relatively clean granular material such as gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. This is to help distribute concentrated loads and equalize moisture conditions beneath the slab. Provided that a minimum of 6 in. of granular material is placed below the slab, a modulus of subgrade reaction (k_{30}) of 120 lbs/cu.in. can be used for design of the slab. All existing topsoil or soft natural soil should be removed beneath crushed stone layer.

4.4. Equipment Building

If an equipment building support on a slab is chosen in place of the equipment platform, it may be supported on shallow spread footings bearing in the natural clay soil and designed for a net allowable soil pressure of 2,500 pounds per square foot.

The footings should be at least ten inches wide. If the footings bear on soil, they should bear at a depth of at least 24 inches to minimize the effects of frost action. All existing topsoil or soft natural soil should be removed beneath footings.

The floor slab for the new equipment building can be supported on firm natural soils or on new compacted structural fill. Existing fill may be left in place below the slab if the owner can accept the possibility of greater than normal settlement and cracking. This risk can be reduced if the underlying subgrade is properly proof-rolled and any unstable areas disclosed by the proof-roll are improved as necessary.

Floor slabs must be supported on at least 4-inch layer of relatively clean granular material such as gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. This is to help distribute concentrated loads and equalize moisture conditions beneath the slab. Provided that a minimum of 4 in. of granular material is placed below the slab, a modulus of subgrade reaction (k_{30}) of 120 lbs/cu.in. can be used for design of the floor slabs.

4.5. Drainage and Groundwater Considerations

Good site drainage must be provided. Surface run-off water should be drained away from the tower and platform and not allowed to pond. It is recommended that all foundation concrete be placed the same day the excavation is made.

At the time of this investigation, groundwater was not encountered. Therefore, no special provisions regarding groundwater control are considered necessary for shallow foundations. Any seepage should be able to be pumped with sumps.

5. GENERAL CONSTRUCTION PROCEDURES AND RECOMMENDATIONS

It is possible that variations in subsurface conditions will be encountered during construction. Although only minor variations that can be readily evaluated and adjusted for during construction are anticipated, it is recommended the geotechnical engineer, or a qualified representative be retained to perform continuous inspection and review during construction of the soils-related phases of the work. This will permit correlation between the test boring data and the actual soil conditions encountered during construction.

5.1 Drilled Piers

The following recommendations are recommended for drilled pier construction:

- ❖ All piers must be poured the same day drilling is completed so that any shale is not allowed to swell. Clean the foundation bearing area so it is nearly level or suitably benched and is free of ponded water or loose material.
- ❖ Make provisions for ground water removal from the drilled shaft excavation. While the borings were dry prior to rock coring and significant seepage is not anticipated, the drilled pier contractor should have pumps on hand to remove water in the event seepage into the drilled pier is encountered.

- ❖ Specify concrete slumps ranging from 4 to 7 inches for the drilled shaft construction. These slumps are recommended to fill irregularities along the sides and bottom of the drilled hole, displace water as it is placed, and permit placement of reinforcing cages into the fluid concrete.
- ❖ Retain the geotechnical engineer to observe foundation excavations after the bottom of the hole is leveled, cleaned of any mud or extraneous material, and dewatered.
- ❖ Install a temporary protective steel casing to prevent side wall collapse, prevent excessive mud and water intrusion in the drilled shaft.
- ❖ The protective steel casing may be extracted as the concrete is placed provided a sufficient head of concrete is maintained inside the steel casing to prevent soil or water intrusion into the newly placed concrete.
- ❖ Direct the concrete placement into the drilled hole through a centering chute to reduce side flow or segregation.

5.2 Fill Compaction

All engineered fill placed adjacent to and above the tower foundation should be compacted to a dry density of at least 95 percent of the standard Proctor maximum dry density (ASTM D-698). This minimum compaction requirement should be increased to 98 percent for any fill placed below the tower foundation bearing elevation. Any fill placed beneath the tower foundation should be limited to well-graded sand and gravel or crushed stone. The compaction should be accomplished by placing the fill in about 8 inch (or less) loose lifts and mechanically compacting each lift to at least the specified minimum dry density. Field density tests should be performed on each lift as necessary to ensure that adequate moisture conditioning and compaction is being achieved.

Compaction by flooding is not considered acceptable. This method will generally not achieve the desired compaction and the large quantities of water will tend to soften the foundation soils.

5.3 Construction Dewatering

If groundwater is encountered in the shallow foundations, it should be minor and can be handled by conventional dewatering methods such as pumping from sumps.

If groundwater is encountered in the drilled pier excavations, it may be more difficult since pumping directly from the excavations could cause a deterioration of the bottom of the excavation. If the pier excavations are not

Geotechnical Report

LV OLD US 127 RD & KY 845
August 28, 2019

dewatered, concrete should be placed by the tremie method. If groundwater sits on the bottom of the foundation for longer than an hour, the bottom should be cleaned again before the pier is poured.

6 FIELD INVESTIGATION

Three soil test borings were drilled near the base of the existing tower. Split-spoon samples were obtained by the Standard Penetration Test (SPT) procedure (ASTM D1586) in all test borings. The borings encountered auger refusal between 9.3 and 11.6 feet. A sample of the refusal material was cored in Boring 1 from 11.6 to 26.6 feet below the ground surface. The split-spoon samples were inspected and visually classified by a geotechnical engineer. Representative portions of the soil samples were sealed in glass jars and returned to our laboratory.

The boring logs are included in the Appendix along with a sheet defining the terms and symbols used on the logs and an explanation of the Standard Penetration Test (SPT) procedure. The logs present visual descriptions of the soil strata encountered, Unified System soil classifications, groundwater observations, sampling information, laboratory test results, and other pertinent field data and observations.

7 WARRANTY AND LIMITATIONS OF STUDY

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either express or implied. POD Group is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

A geotechnical study is inherently limited since the engineering recommendations are developed from information obtained from test borings, which depict subsurface conditions only at the specific locations, times and depths shown on the logs. Soil conditions at other locations may differ from those encountered in the test borings, and the passage of time may cause the soil conditions to change from those described in this report.

The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or a representative is therefore considered necessary to verify the subsurface conditions and to check that the soils connected construction phases are properly completed. If significant variations or changes are in evidence, it may then be necessary to reevaluate the recommendations of this report. Furthermore, if the project characteristics are altered significantly from those discussed in this report, if the project information contained in this report is incorrect, or if additional information

Geotechnical Report

LV OLD US 127 RD & KY 845
August 28, 2019

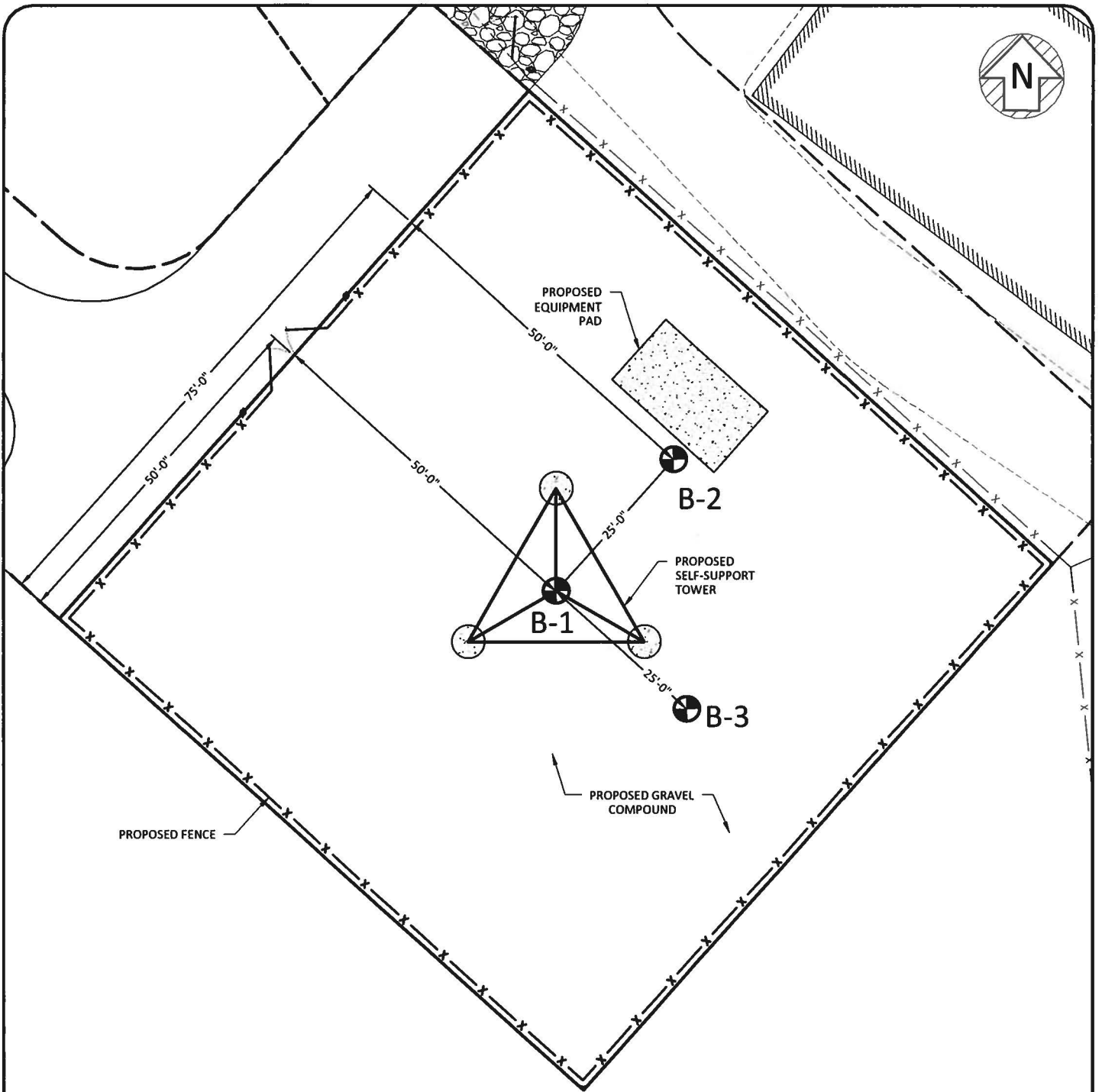
becomes available, a review must be made by this office to determine if any modification in the recommendations will be required.

APPENDIX

BORING LOCATION PLAN

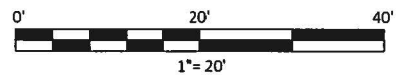
BORING LOGS

SOIL SAMPLE CLASSIFICATION



LEGEND

B-1 BORING LOCATION



SHEET TITLE: BORING LOCATION PLAN	LATITUDE: 38° 34' 17.32" N LONGITUDE: 84° 49' 28.79" W	SITE INFORMATION: LV OLD US 127 RD & KY 845	 11490 BLUEGRASS PKWY LOUISVILLE, KY 40299 502-437-5252
	PARCEL ID: 060-00-00-012.00 DEED BOOK 234, PAGE 475	3100 HWY 127 N OWENTON, KY 40359 OWEN COUNTY	
SHEET NUMBER: 1	POD NUMBER: 17-15962 DRAWN BY: POD CHECKED BY: MEP DATE: 7.2.19	OWNER INFORMATION: KIM JUETT 2920 HWY 127 N OWENTON, KY 40359	CELCO PARTNERSHIP DBA <small>2421 HOLLOWAY ROAD LOUISVILLE, KY 40299</small>



Boring Log

Boring: B-1

Page 1 of 1

Project: LV Old 127 Rd & KY 845

City, State

Owenton, KY

Method: S.F.A.

Boring Date: 8-Aug-19

Location: Proposed Tower Center

Inside Diameter: 4"

Drill Rig Type: D - 50

Hammer Type: Auto

Groundwater: DRY

Weather:

Driller: Strata Group

Note: About 6 inches of topsoil was encountered at the existing ground surface

From (ft)	To (ft)	Material Description	Sample Depth (ft)	Sample Type	Blows per 6-inch increment	Recovery (in)	SPT-N value	Rock Quality (RQD,%)	Atterberg Limits	Moisture Content (%)	% Fines (clay & silt)	Unconfined Compressive Strength, (ksf)
0.5	11.6	SILTY CLAY (CL) - very stiff, dry, brown	0 - 1.5	SS	9, 12, 13	12	25			13%		
			1.5 - 3	SS	15, 10, 9	2	19,			13%		
	4.0	- light brown- light gray mottled	4 - 5.5	SS	7, 8, 11	6	19,			17%		
	7.9	- with limestone and shale fragments	6.5 - 8	SS	11, 17, 50	12	67,			12%		
			9 - 10.5	SS	50,	6	50,					
11.6	16.5	LIMESTONE with thin SHALE partings - hard, moderately to slightly weathered, light gray to gray	11.6-16.6	RC		48		28%				
			16.6-21.6	RC		56		50%				
			21.6-26.6	RC		60		30%				
		Boring Terminated at 26.6 feet										



Boring Log

Boring: B-2

Page 1 of 1

Project: LV Old 127 Rd & KY 845

City, State

Owenton, KY

Method: S.F.A.	Boring Date: 8-Aug-19	Location: Proposed Tower Center
Inside Diameter: 4"	Drill Rig Type: D - 50	Hammer Type: Auto
Groundwater: DRY		Weather:
Driller: Strata Group		
Note: About 9 inches of topsoil was encountered at the existing ground surface		

From (ft)	To (ft)	Material Description	Sample Depth (ft)	Sample Type	Blows per 6-inch increment	Recovery (in)	SPT-N value	Rock Quality (RQD,%)	Atterberg Limits	Moisture Content (%)	% Fines (clay & silt)	Unconfined Compressive Strength, (ksf)
0.8	11.3	SILTY CLAY (CL) - very stiff, dry, brown - stiff - slightly moist, light brown- light gray mottled - hard - with limestone and shale fragments	0 - 1.5	SS	12, 9, 12	3	21			9%		-
	1.5		1.5 - 3	SS	6, 6, 7	3	13,			11%		6.0
	4.0		4 - 5.5	SS	3, 5, 8	16	13,			24%		3.7
	6.5		6.5 - 8	SS	5, 12, 38	13	50,			11%		6.0
	8.4		9 - 10.5	SS	50,	0	50,					
		Auger Refusal at 11.3 feet										



Boring Log

Boring: B-3

Page 1 of 1

Project: LV Old 127 Rd & KY 845 **City, State:** Owenton, KY

Method: S.F.A. **Boring Date:** 8-Aug-19 **Location:** Proposed Tower Center

Inside Diameter: 4" **Drill Rig Type:** D - 50 **Hammer Type:** Auto

Groundwater: DRY **Weather:**

Driller: Strata Group **Note:** About 10 inches of topsoil was encountered at the existing ground surface

From (ft)	To (ft)	Material Description	Sample Depth (ft)	Sample Type	Blows per 6-inch increment	Recovery (in)	SPT-N value	Rock Quality (RQD, %)	Atterberg Limits	Moisture Content (%)	% Fines (clay & silt)	Unconfined Compressive Strength, (ksf)
0.9	9.3	SILTY CLAY (CL) - very stiff, brown	0 - 1.5	SS	10, 9, 8	3	17			20%		-
	1.5	- stiff	1.5 - 3	SS	6, 5, 6	2	11,			19%		-
	4.0	- medium stiff, slighty moist, light brown-light gray mottled	4 - 5.5	SS	5, 5, 4	16	9,			25%		4.0
	6.5	- with limestone and shale fragments	6.5 - 8	SS	7, 14, 50	12	64,			22%		3.5
		Auger Refusal at 9.3 feet										

SOIL SAMPLER CLASSIFICATION

FINE AND COARSE GRAINED SOIL INFORMATION

COARSE GRAINED SOILS (SANDS & GRAVELS)		FINE GRAINED SOILS (SILTS & CLAYS)			PARTICLE SIZE	
N	Relative Density	N	Consistency	Qu, KSF Estimated		
0-4	Very Loose	0-1	Very Soft	0-0.5	Boulders	Greater than 300 mm (12 in)
5-10	Loose	2-4	Soft	0.5-1	Cobbles	75 mm to 300 mm (3 to 12 in)
11-20	Firm	5-8	Firm	1-2	Gravel	4.74 mm to 75 mm (3/16 to 3 in)
21-30	Very Firm	9-15	Stiff	2-4	Coarse Sand	2 mm to 4.75 mm
31-50	Dense	16-30	Very Stiff	4-8	Medium Sand	0.425 mm to 2 mm
Over 50	Very Dense	Over 31	Hard	8+	Fine Sand	0.075 mm to 0.425 mm
					Silts & Clays	Less than 0.075 mm

The **STANDARD PENETRATION TEST** as defined by ASTM D 1586 is a method to obtain a disturbed soil sample for examination and testing and to obtain relative density and consistency information. A standard 1.4-inch I.D./2-inch O.D. split-barrel sampler is driven three 6-inch increments with a 140 lb. hammer falling 30 inches. The hammer can either be of a trip, free-fall design, or actuated by a rope and cathead. The blow counts required to drive the sampler the final two increments are added together and designate the N-value defined in the above tables.

ROCK PROPERTIES

ROCK QUALITY DESIGNATION (RQD)		ROCK HARDNESS	
Percent RQD	Quality		
0-25	Very Poor	Very Hard:	Rock can be broken by heavy hammer blows.
25-50	Poor	Hard:	Rock cannot be broken by thumb pressure, but can be broken by moderate hammer blows.
50-75	Fair	Moderately Hard:	Small pieces can be broken off along sharp edges by considerable hard thumb pressure; can be broken with light hammer blows.
75-90	Good	Soft:	Rock is coherent but breaks very easily with thumb pressure at sharp edges and crumbles with firm hand pressure.
90-100	Excellent	Very Soft:	Rock disintegrates or easily compresses when touched; can be hard to very hard soil.

Recovery =	$\frac{\text{Length of Rock Core Recovered}}{\text{Length of Core Run}} \times 100$	63 REC	Core Diameter	Inches
		NQ	BQ	1-7/16
		43 RQD	NQ	1-7/8
RQD =	$\frac{\text{Sum of 4 in. and longer Rock Pieces Recovered}}{\text{Length of Core Run}} \times 100$		HQ	2-1/2

SYMBOLS

KEY TO MATERIAL TYPES		SOIL PROPERTY SYMBOLS	
SOILS		ROCKS	
Group Symbols	Typical Names	Symbols	Typical Names
GW	Well graded gravel - sand mixture, little or no fines		Limestone or Dolomite
GP	Poorly graded gravels or gravel - sand mixture, little or no fines		Shale
GM	Silty gravels, gravel - sand silt mixtures		Sandstone
GC	Clayey gravels, gravel - sand - clay mixtures		
SW	Well graded sands, gravelly sands, little or no fines		
SP	Poorly graded sands or gravelly sands, little or no fines		
SM	Silty sands, sand - silt mixtures		
SC	Clayey sands, sand - clay mixtures		
ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts		
OL	Organic silts and organic silty clays of low plasticity		
CL	Inorganic clays of low range plasticity, gravelly clays, sandy clays, silty clays, lean clays		
MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts		
CH	Inorganic clays of high range plasticity, fat clays		

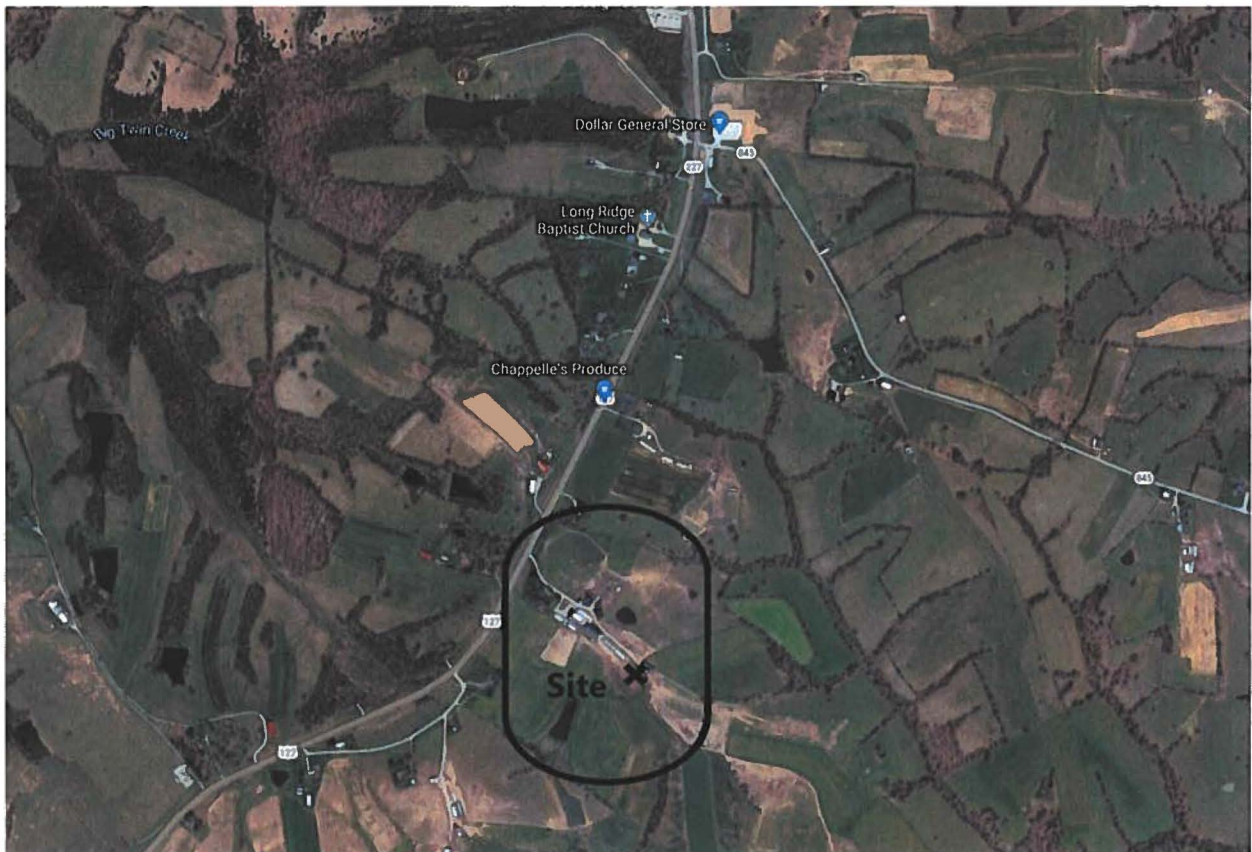
N:	Standard Penetration, BPF
M:	Moisture Content, %
LL:	Liquid Limit, %
PI:	Plasticity Index, %
Qp:	Pocket Penetrometer Value, TSF
Qu:	Unconfined Compressive Strength Estimated Qu, TSF
γ_d :	Dry Unit Weight, PCF
F:	Fines Content

SAMPLING SYMBOLS	
SS	Split Spoon Sample
	Relatively Undisturbed Sample
	Rock Core Sample

EXHIBIT I

DIRECTIONS TO WFC SITE:

FROM OWEN COUNTY COURT HOUSE: 100 NORTH THOMAS STREET, OWENTON KY 40359: HEAD NORTH TOWARD BRYAN ST (102 FEET). TURN RIGHT ONTO BRYAN ST (236 FEET). TURN LEFT AT THE 1ST CROSS STREET ONTO US-127 N/N MAIN (3.1 MILES). SITE WILL BE LOCATED ON LEFT (EAST) SIDE OF ROAD.



PREPARED BY: POWER OF DESIGN GROUP, LLC - (502) 437-5252

EXHIBIT J

Prepared by and when recorded return to:

Stephen Lentz
Pike Legal Group, PLLC
P.O. Box 369
Shepherdsville, KY 40165-0369
Telephone: 502-955-4400
Telefax: 502-543-4410
Attorney for Cellco Partnership d/b/a Verizon Wireless
(Site Name: LV Old US 127 Rd & KY 845)

MEMORANDUM OF LAND LEASE AGREEMENT

This Memorandum of Land Lease Agreement is made this 22nd day of January, 2010, between **Kim Juett**, single, having an address of 2920 Hwy 127 N., Owenton, KY 40359, hereinafter designated as LESSOR, and **Cellco Partnership d/b/a Verizon Wireless**, with its principal office located at One Verizon Way, Mail Stop 4AW100, Basking Ridge, New Jersey 07920, hereinafter referred to as "LESSEE". LESSOR and LESSEE are at times collectively referred to hereinafter as the "Parties" or individually as the "Party".

1. LESSOR and LESSEE entered into a Land Lease Agreement (the "Agreement") on January 22, 2010, for an initial term of five (5) years, commencing on the Commencement Date. The "Commencement Date" shall be the first day of the month after LESSEE begins installation of LESSEE's communications equipment. The Agreement shall automatically be extended for four (4) additional five (5) year terms unless the LESSEE terminates it at the end of the then current term by giving the LESSOR written notice of the intent to terminate at least three (3) months prior to the end of the then current term.
2. LESSOR hereby leases to LESSEE a portion of that certain parcel of property (the entirety of LESSOR's property is referred to hereinafter as the "Property"), located at Old US Hwy 127 North, Owenton KY 40359 (Owen County), and being described as a 100' by 100' parcel containing 10,000 square feet, and being part of that real property further described in Deed recorded at **Deed Book 234, Page 475** in the Office of the Owen County Clerk, together with the non exclusive right for ingress and egress, seven (7) days a week twenty four (24) hours a day, on foot or

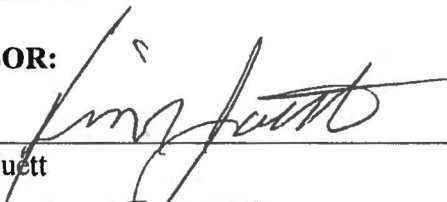
motor vehicle, including trucks, and for the installation and maintenance of utility wires, poles, cables, conduits, and pipes over, under, or along one or more rights of way extending from the nearest public right of way, Old US Hwy 127 N, to the demised premises. The demised premises and rights of way are hereinafter collectively referred to as the "Premises". The Premises are described in Exhibit A attached hereto and made a part hereof, and as shown on the survey attached hereto and incorporated herein as Exhibit B. In the event any public utility is unable to use the aforementioned right of way, LESSOR has agreed to grant an additional right of way either to the LESSEE or to the public utility at no cost to the LESSEE.

3. LESSEE has the right of first refusal to purchase the Premises during the initial term and all renewal terms of the Agreement.
4. The terms, covenants and provisions of the Agreement, the terms of which are hereby incorporated by reference into this Memorandum, shall extend to and be binding upon the respective executors, administrators, heirs, successors and assigns of LESSOR and LESSEE.

[Signature Page Follows]

IN WITNESS WHEREOF, hereunto and to a duplicate hereof, LESSOR and LESSEE have caused this Memorandum to be duly executed on the date first written hereinabove.

LESSOR:



Kim Juett

Date

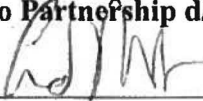


12-5-18

LESSEE:

Cellco Partnership d/b/a Verizon Wireless

By:



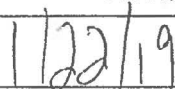
Printed Name:

Ed Maher

Title:

Director - Network Field Engineering

Date:



STATE OF Ky)
COUNTY OF Owen)

LESSOR ACKNOWLEDGEMENT

On this, the 5th day of December, 2018 before me, the subscriber, a Notary Public, in and for the above state, personally appeared to me Kim Juett, and in due form of law, acknowledged that he is authorized to execute all documents pertaining hereto and acknowledged to me that he executed the same as his voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal in said County and State on the day and year last above written.

Angela R. Miller
Notary Public
My Commission Expires: 4-4-20

STATE OF Michigan)
COUNTY OF Oakland)

LESSEE ACKNOWLEDGEMENT

On this, the 22nd day of January, 2019 before me, the subscriber, a Notary Public, in and for the above state, personally appeared to me, **as authorized officer and/or agent of Celco Partnership d/b/a Verizon Wireless**, and in due form of law, acknowledged that he/she is authorized on behalf of said entity to execute all documents pertaining hereto and acknowledged to me that he/she executed the same as his/her voluntary act and deed on behalf of said entity.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal in said County and State on the day and year last above written.

BARBARA MADIGAN EVANS
NOTARY PUBLIC, STATE OF MICHIGAN
County Of Oakland
My Commission Expires 05-10-2020
ACTING IN THE COUNTY OF _____

Barbara Madigan Evans
Notary Public
My Commission Expires: _____

EXHIBIT A

(Description of Premises)

Parent Parcel:

Record Owner: Kim Juett

3100 Hwy 127 N, Owenton, Owen County, Kentucky 40359

Owen County PVA Parcel ID: 060-00-00-012.00 (approx. 218 acres)

Deed Book 234, Page 475 – Clerk , Owen County, KY

Memorandum of Land Lease Agreement -
LV Old US 127 Rd & KY 845

Exhibit "A"

EXHIBIT B
(Survey)

Memorandum of Land Lease Agreement -
LV Old US 127 Rd & KY 845

Exhibit "B"

EXHIBIT K

NOTICE LIST

JUETT KIM
2920 HWY 127N
OWENTON, KY 40359

JUETT KIMBERLY RAY
2920 HWY 127N
OWENTON, KY 40359

JUETT KALEB & MONA
3100 HWY 127N
OWENTON, KY 40359

HUDNALL DANNY & CAROL
3180 HWY 127N
OWENTON, KY 40359

CHAPPELL DAVID A
3320 HWY 127N
OWENTON, KY 40359

PRYOR C F JR
3460 HWY 127N
OWENTON, KY 40359

MADDOX BARRY & DEBBIE
885 SWEET OWEN RD
OWENTON, KY 40359

MULLINS WARREN J & PEGGY J
REVOCABLE LIVING TRUST
3870 HWY 160S
HINDMAN KY 41822

COBB BRUCE & CAROLYN
655 HARRIS RIDGE RD
OWENTON, KY 40359

FORSEE BRIAN
1300 HWY 127N
OWENTON, KY 40359

CAMMACK WM B & ANDREW
310 CLAY ST
FRANKFORT, KY 40601

CAMMACK FAMILY TRUST
% ANDREW CAMMACK
310 CLAY ST
FRANKFORT, KY 40601

EXHIBIT L

EXHIBIT M



ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP

Matthew R. Clark
Robert B. Scott
Charles R. Grahn
Frank D. Otte*
John "Bart" Herriman
William W. Gooden**
Michael P. Maxwell
Russell L. Brown***
Jennifer F. Perry
N. Davey Neal
Travis W. Cochran
Maggie L. Sadler
Kristin A. McIlwain

VIA CERTIFIED MAIL
7019 2280 00001170 9041

October 31, 2019

Hon. Casey Ellis
100 N. Thomas Street
Owenton, KY 40359

**RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2019- 00394
Site Name: Old US 127 & KY 845**

Senior Counsel
James C. Clark
Thomas Michael Quinn
John M. Moses
Land Use Consultant
Elizabeth Bentz Williams, AICP
Raymond J. Grahn (2015)
Alex M. Clark (1991)
Peter A. Pappas (1986)
Thomas M. Quinn (1973)
Joseph M. Howard (1964)

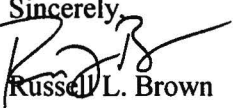
*Also admitted in Montana
**Also admitted in Kentucky
***Registered Civil Mediator

Dear Judge Ellis:

Cellco Partnership, d/b/a Verizon Wireless has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 3100 Highway 127 North, Owenton, KY, 40359 (North Latitude: (38° 34' 17.32", West Longitude 84° 49' 28.79"). The proposed facility will include a 255-foot tall antenna tower, plus a 5-foot lightning arrestor and 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 2019-00394 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,

Russell L. Brown
Attorney for Applicants

RLB/jdj
enclosure

EXHIBIT N

SITE NAME: Old US 127 Rd & KY 845
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.

Cellco Partnership, d/b/a Verizon Wireless propose to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2019-00394 in your correspondence.

Cellco Partnership, d/b/a Verizon Wireless propose to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahn, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2019-00394 in your correspondence.

EXHIBIT O

VIA EMAIL: mhaines@owentonnewshearld.com

Owenton News Herald
154 West Bryan Street
Owenton, Ky. 40359

RE: Legal Notice Advertisement
Site Name: Old US 127 Rd & KY 845

Dear Ms. Haines:

Please publish the following legal notice advertisement in the next available edition of the *Owenton News Herald*:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 3100 Highway 127 North, Owenton, KY, 40359 (North Latitude: (38° 34' 17.32", West Longitude 84° 49' 28.79"). 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 2019-00394 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 Clark, Quinn, Moses, Scott & Grahn, LLC, 320 N. Meridian Street, Indianapolis, IN 46204 or by email to ebw@clarkquinnlaw.com. Please call me or Elizabeth Bentz Williams, in our offices at (317) 637-1321 if you have any questions. Thank you for your assistance.

Sincerely

Elizabeth Bentz Williams
Clark, Quinn, Moses, Scott & Grahn, LLC

EXHIBIT P

Radio Frequency Design Search Area



EXHIBIT Q



Monday, September 9th, 2019.

RE: Proposed Cellco Partnership d/b/a Verizon Wireless Communications Facility

Site Name: **LV Old US 127 Rd & KY 845**

Type of Tower: 255' Self Support

Location: 3100 Hwy 127 N, Owenton KY 40359

To Whom It May Concern:

As a radio frequency engineer for Verizon Wireless, I am providing this letter to state the need for a Verizon Wireless site called **LV Old US 127 Rd & KY 845**.

The **LV Old US 127 Rd & KY 845** site is proposed with the below objectives:

- 1 Offload 4G traffic from busy site to the south.
- 2 Improve 4G throughput to existing heavy data users.
- 3 Improve 4G network reliability by increasing the amount of time our customers operate on 4G instead of 3G.

Currently the area is experiencing high demand for wireless high-speed data. Growth forecasts have triggered the need for an additional site in the area. The tower is needed to provide all Verizon customers in the area with the best experience on their 4G wireless devices.

Raw Land – Design plans for a new tower would provide tower height of 255' with a Verizon Wireless Centerline of 250'. The new structure height was decided upon to best cover the offload area and interact with the existing Verizon sites. If we are limited to building a structure less than the proposed height, another tower would be needed in the vicinity in the near future. In addition, building a structure that is too short can cause existing taller sites to shoot over the proposed site and building a site that is too tall can cause the proposed site to shoot over existing sites. Both situations create a poor experience from a user perspective. The new structure will be placed near the center of the area with high traffic demand and offload the surrounding sites greatly. The new tower design meets stated objectives.

Verizon Wireless cares about the communities as well as the environment and prefers to collocate on existing structures when available. It can be noticed from any map that Verizon Wireless is currently collocated on many existing structures in the area. We prefer collocation due to reduced construction costs, faster deployment, and environment protection. However, Verizon Wireless was unable to find a suitable structure within the center of demand area to collocate the proposed **LV Old US 127 Rd & KY 845** site.

Candidate B (38.58546944, -84.82540277) – This site is located too far north of the demand area. Therefore Verizon does not feel this site meets our customer's needs and is not viable.

Verizon Wireless design engineers establish search area criteria in order to effectively meet



coverage objectives as well as offload existing Verizon cell sites. When met, the criterion also reduces the need for a new site to cover the area in the immediate future. Each cellular site covers a limited area, depending on site configuration and the surrounding terrain. Cell sites are built in an interconnected network; which means each cell site must be located so that their respective coverage areas are contiguous. This provides uninterrupted communications throughout the coverage area.

Since collocation is generally the most cost-effective means for prompt deployment of new facilities, Verizon Wireless makes every effort to investigate the feasibility for using existing towers or other tall structures for collocation when designing a new site or system expansion. However, collocation on an existing tower or tall structure is not always feasible due to location of existing cell sites. Cell sites are placed in a way so they provide smooth hand off to each other and are placed at some distance from each other to eliminate too much overlap. Too much overlap may result in a waste of resources and raise a system capacity overload concern.

This cell site has been designed, and shall be constructed and operated in a manner that satisfies regulations and requirements of all applicable governmental agencies that have been charged with regulating tower specifications, operation, construction, and placement, including the FAA and FCC.

Sincerely,
Javier S. Burgos

RF Engineer, Verizon

Wireless
STATE OF INDIANA

COUNTY OF Marion

Subscribed and sworn to before me this 9th day of September, 2019.

Notary Public

Signature JfB

Printed Jennifer Behn

County of Residence Hancock

My Commission expires: JENNIFER BEHN
Notary Public, State of Indiana
SEAL
My Commission Expires 9/3/2023



Monday, September 9th, 2019.

RE: LV Old US 127 Rd & KY 845 Zoning Plots

Site Name: LV Old US 127 Rd & KY 845

To Whom It May Concern:

This map is not a guarantee of coverage and may contain areas with no service. This map reflects a depiction of predicted and approximate wireless coverage of the network and is intended to provide a relative comparison of coverage. The depictions of coverage do not guarantee service availability as there are many factors that can influence coverage and service availability. These factors vary from location to location and change over time. The coverage areas may include locations with limited or no coverage. Even within a coverage area shown, there are many factors, including but not limited to, usage volumes, service, outage, and customer's equipment, and terrain, proximity to buildings, foliage, and weather that may impact service.

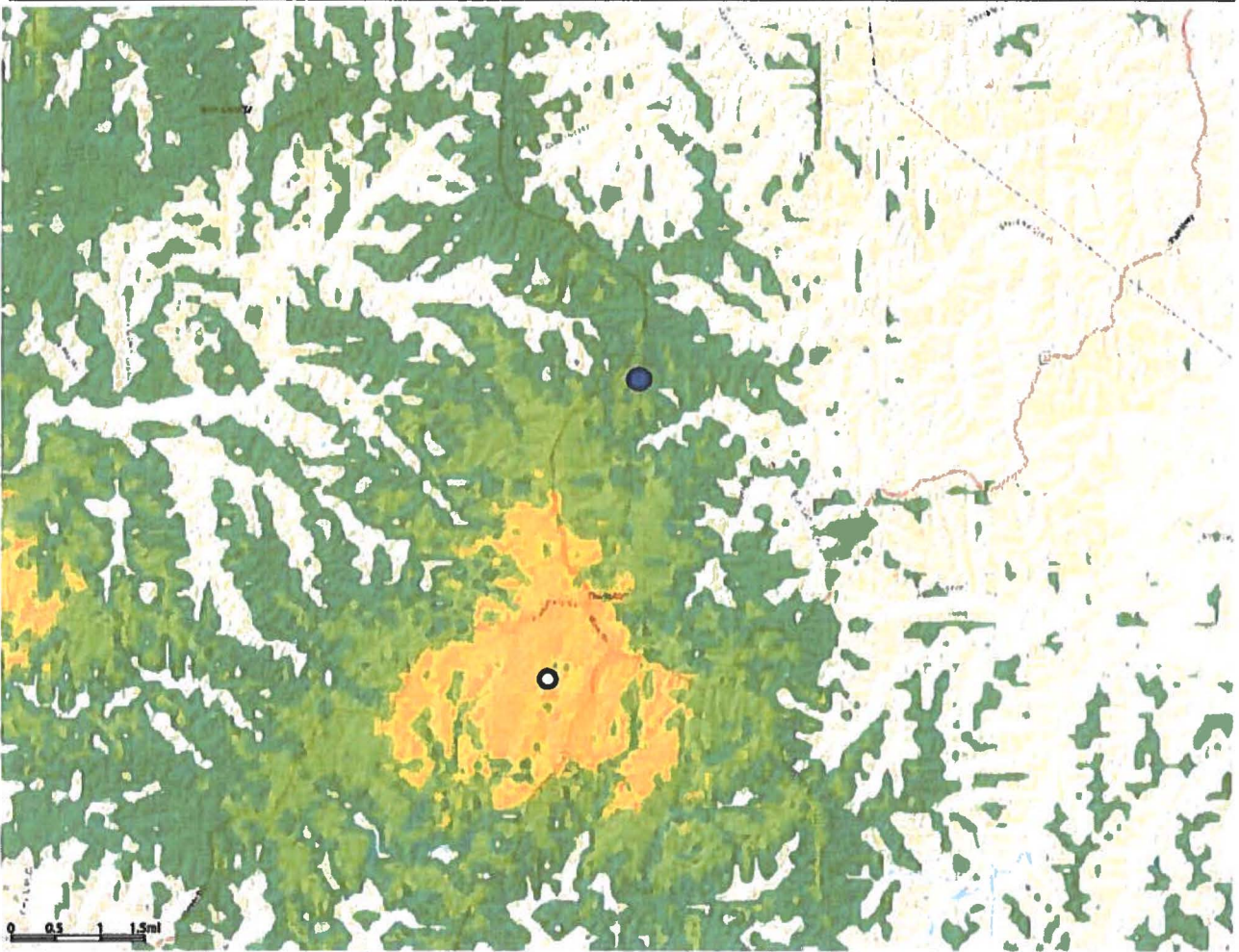
The proposed site is needed to offload capacity from existing sites. This map reflects the predicted coverage area that will be offloaded from existing sites and transferred to the proposed site.

Javier S. Burgos

A handwritten signature in black ink, appearing to be "J. Burgos", enclosed within a hand-drawn oval. The signature is written in a cursive style.

RF Engineer, Verizon Wireless

PRE: LV Old US 127 Rd & KY 845



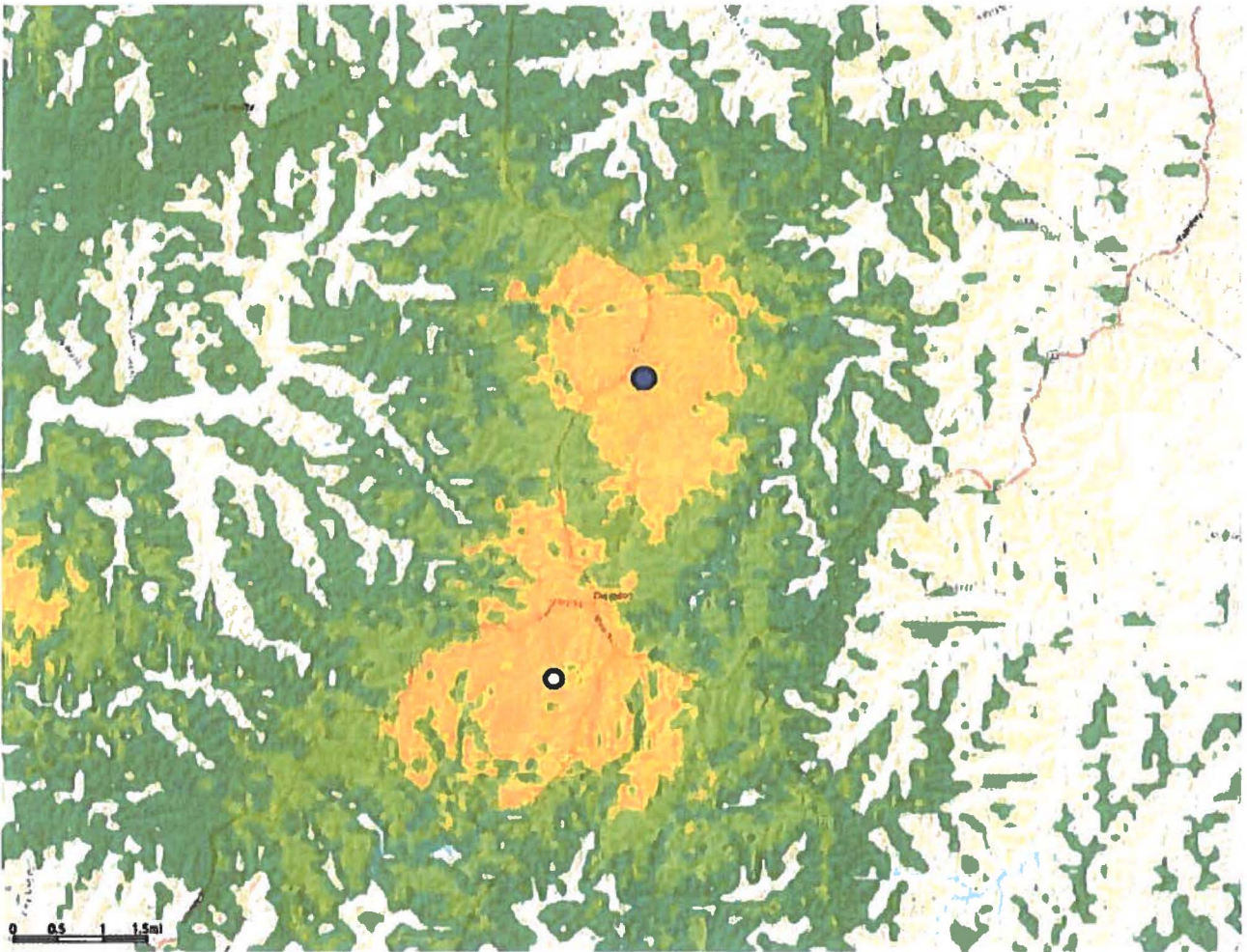
Copy of LTE: RSRP - Coverage (0)

- Best
- Better
- Good

Legend:

- Existing Verizon Sites ○
- Proposed Verizon Site ●
- Future Verizon Site ○
- County Border - - - - -

POST: LV Old US 127 Rd & KY 845



Copy of LTE: RSRP - Coverage (0)

- Best
- Better
- Good

Legend:

- Existing Verizon Sites
- Proposed Verizon Site
- Future Verizon Site
- County Border