

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

DEC 10 2015

PUBLIC SERVICE
COMMISSION

In the Matter of:

**APPLICATION OF KENTUCKY RSA #3)
CELLULAR GENERAL PARTNERSHIP FOR)
APPROVAL TO CONSTRUCT AND OPERATE A NEW) CASE No. 2015-00349
CELL FACILITY TO PROVIDE CELLULAR RADIO)
SERVICE (WKU) IN RURAL SERVICE AREA #3)
(WARRANT COUNTY) OF THE COMMONWEALTH)
OF KENTUCKY)**

**APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY
(WESTERN KENTUCKY UNIVERSITY CELL SITE)**

Kentucky RSA #3 Cellular General Partnership (“Kentucky RSA #3”), through counsel, pursuant to KRS 278.020 and 278.040, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Western Kentucky University (“WKU”) cell site in and for rural service area (“RSA”) #3 of the Commonwealth of Kentucky, namely the counties of Allen, Breckinridge, Butler, Edmonson, Grayson, Hancock, Logan, McLean, Meade, Muhlenberg, Ohio, Simpson, Todd and Warren, Kentucky.

1. As required by 807 KAR 5:001 § 14 and 807 KAR 5:063, Kentucky RSA #3 states that it is a Kentucky general partnership whose full name and post office address are: Kentucky RSA #3 Cellular General Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701. An email address for Kentucky RSA #3 is dougu@bluegrasscellular.com. A copy of the Certificate of Assumed Name as a General Partnership for Kentucky RSA #3 Cellular General Partnership is attached as Exhibit “A.” This is the only document on file with the Kentucky Secretary of State that identifies all owners of Kentucky RSA #3 Cellular General Partnership.

2. Pursuant to 807 KAR 5:063 § 1(1)(b), a copy of the applicant's application to and approval from the Federal Aviation Administration are attached as Exhibit "B." Written authorization from the Kentucky Airport Zoning Commission is not necessary as this cell site location is not within its jurisdiction.

3. Pursuant to 807 KAR 5:063 § 1(1)(d), applicant is attaching as Exhibit "C" a geotechnical investigation report, signed and sealed by a professional engineer registered in Kentucky, that includes boring logs, foundation design recommendations, and a finding as to the susceptibility of the area surrounding the proposed site to flood hazard.

4. Pursuant to 807 KAR 5:063 § 1(1)(e), clear directions from the county seat to the proposed site, including highway numbers and street names, if applicable, with the telephone number of the person who prepared the directions are Exhibit "D."

5. Pursuant to 807 KAR 5:063 § 1(1)(f), a copy of the lease for the property on which the tower is proposed to be located, is Exhibit "E."

6. Pursuant to 807 KAR 5:063 § 1(1)(g), experienced personnel will manage and operate the WKU cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Kentucky RSA #3, of which system the WKU cell site will be a part. Bluegrass Cellular Inc. provides management services to Kentucky RSA #3 under a management contract, just as it does with three (3) other wireless carriers in the Commonwealth. And, Bluegrass Cellular Inc. has been providing these management services to these other wireless carriers for over 20 years. This extensive management experience with Bluegrass Cellular demonstrates that Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

7. Pursuant to 807 KAR 5:063 § 1(1)(g), TransAmerican Power Products, Inc. is responsible for the design specifications of the proposed tower (identified in Exhibit "C").

8. Pursuant to 807 KAR 5:063 § 1(1)(h), a site development plan and survey, signed and sealed by a professional engineer registered in Kentucky, that shows the proposed location of the tower and all easements and existing structures within 500 feet of the proposed site on the property on which the tower will be located, and all easements and existing structures within 200 feet of the access drive, including the intersection with the public street system, is Exhibit "C."

9. Pursuant to 807 KAR 5:063 § 1(1)(i), a vertical profile sketch of the tower, signed and sealed by a professional engineer registered in Kentucky, indicating the height of the tower and the placement of all antennas is Exhibit "C".

10. Pursuant to 807 KAR 5:063 § 1(1)(j), the tower and foundation design plans and a description of the standard according to which the tower was designed, signed and sealed by a professional engineer registered in Kentucky, is Exhibit "C".

11. Pursuant to 807 KAR 5:063 § 1(1)(k), a map, drawn to a scale no less than one (1) inch equals 200 feet, that identifies every structure and every owner of real estate within 500 feet of the proposed tower, is Exhibit "F".

12. Pursuant to 807 KAR 5:063 § 1(1)(l), applicant's legal counsel hereby affirms that every person who owns property within 500 feet of the proposed tower has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

13. Pursuant to 807 KAR 5:063 §1(1)(m), a list of the property owners who received the notice together with copies of the certified letters sent to listed property owners, is Exhibit "G."

14. Pursuant to 807 KAR 5:063 § 1(1)(n), applicant's legal counsel hereby affirms that the Office of the Warren County Judge Executive has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of its right to request intervention.

15. Pursuant to 807 KAR 5:063 § 1(1)(o), a copy of the notice sent to the Warren County Judge Executive is Exhibit "H."

16. Pursuant to 807 KAR 5:063 § 1(1)(p), applicant's legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location on the proposed site and one on the nearest public road; and (ii) the notices shall remain posted for at least two weeks after the application has been filed.

17. Pursuant to 807 KAR 5:063 § 1(2)(a), applicant's legal counsel affirms that:

(a) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Kentucky RSA #3 Cellular General Partnership proposes to construct a telecommunications tower on this site. If you have questions, please contact Kentucky RSA #3 Cellular General Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701 or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to Case. No. 2015-00349 in your correspondence***" has been posted and shall remain in a visible location on the proposed site until final disposition of the application; and

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Kentucky RSA #3 Cellular General Partnership proposes to construct a telecommunications tower near this site. If you have questions, please contact Kentucky RSA #3 Cellular General Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701 or the Executive Director, Public***

Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 2015-00349 in your correspondence has been posted on the public road nearest the site.

A copy of each sign is attached as Exhibit "I."

18. Pursuant to 807 KAR 5:063 § 1(1)(q), Applicant hereby affirms that notice of the location of the proposed construction has been published in a newspaper of general circulation in Warren County. A copy of the affidavit of publication and tear sheets as proof of publication are attached as Exhibit "J."

19. Pursuant to 807 KAR 5:063 § 1(1)(r), the cell site, which has been selected, is located on Commonwealth of Kentucky owned property, namely, the campus of Western Kentucky University, in Bowling Green, Kentucky.

20. Pursuant to 807 KAR 5:063 § 1(1)(s), Kentucky RSA #3 has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate. Kentucky RSA #3 has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

21. Pursuant to 807 KAR 5:063 § 1(1)(t), a map of the area in which the tower is proposed to be located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located is Exhibit "K."

22. Pursuant to 807 KAR 5:001 § 15(b)(2)(d) and KRS 100.987(2)(a), a grid map, that is drawn to scale, that shows the location of all existing cellular antenna towers and that

indicates the general position of proposed construction sites for new cellular antenna towers is Exhibit "L."

23. Pursuant to 807 KAR 5:063 § 2 and KRS 278.665(2), applicant's legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the property where the proposed cellular antenna tower will be located has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

24. Pursuant to 807 KAR 5:063 § 1(1)(c), a copy of the applicant's application to, and authorization from, the Federal Communications Commission is Exhibit "M".

25. No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Kentucky RSA #3 and which would provide adequate service to the area exists.

26. Correspondence and communication with regard to this application should be addressed to:

John E. Selent
Felix H. Sharpe
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, Kentucky 40202
(502) 540-2300
john.selent@dinsmore.com
felix.sharpe@dinsmore.com

WHEREFORE, Kentucky RSA #3 Cellular General Partnership requests the Commission to enter an order:

1. Granting a certificate of public convenience and necessity to construct the WKU cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



John E. Selent
Felix H. Sharpe
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, Kentucky 40202
(502) 540-2300
john.selent@dinsmore.com
felix.sharpe@dinsmore.com

Aug. 20. 2013 3:50PM

No. 3736 P. 2



COMMONWEALTH OF KENTUCKY
ALISON LUNDERGAN GRIMES, SECRETARY OF STATE

0865089.07 bschell
ADD
Allison Lundergan Grimes
Kentucky Secretary of State
Received and Filed:
8/20/2013 4:02 PM
Fee Receipt: \$40.00

Division of Business Filings Business Filings PO Box 718 Frankfort, KY 40602 (502) 684-3490 www.sos.ky.gov	Certificate of Assumed Name (Domestic or Foreign Business Entity) ASN
---------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

Pursuant to the provisions of KRS 365, the undersigned applies to assume a name and, for that purpose, submits the following statement:

1. The assumed name is: KENTUCKY RSA#3 CELLULAR GENERAL PARTNERSHIP

2. The name of the business entity (and in the case of general partnership, the partners) that is/are adopting the assumed name: Brandenburg Cellular Corp, North Central Communications, Cellular Division of Logan Telephone, South Central Rural Telephone
Name must be identical to the name on record with the Secretary of State.)

3. The "real name" is (you must check one):

- | | |
|--------------------------------------------------------------------|------------------------------------------------------------------|
| <input checked="" type="checkbox"/> a Domestic General Partnership | <input type="checkbox"/> a Foreign General Partnership |
| <input type="checkbox"/> a Domestic Limited Liability Partnership | <input type="checkbox"/> a Foreign 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 |

4. This application will be effective upon filing, unless a delayed effective date and/or time is provided. The effective date or the delayed effective cannot be prior to the date the application is filed. The date and/or time is 8-20-2013
(Delayed effective date and/or time)

5. The business is organized and existing in the state or country of KENTUCKY, USA

6. The mailing address is:
2092 RING ROAD, PO BOX 5012 ELIZABETHTOWN KY 42702-5012
Street Address or Post Office Box Numbers City State Zip

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

	<u>Ron Smith</u>	<u>Auth. Rep</u>	<u>8/20/13</u>
Authorized Party Signature	Printed Name	Title	Date

(01/12)



The system will be going offline from 10:00 am to 1:00 pm US/Eastern on Saturday October 31, 2015 for upgrades. We apologize for any inconvenience.

« OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Add a new Case Off Airport - Desk Reference Guide V_2015.3.0

Add a New Case Off Airport for Wind Turbines - Met Towers - Desk Reference Guide V_2015.3.0

Project Name: BLUEG-000346476-15

Sponsor: Bluegrass Cellular, Inc.

Details for Case : WKU

Show Project Summary

Case Status

ASN: 2015-ASO-18527-OE
 Status: Accepted

Date Accepted: 10/28/2015

Date Determined:

Letters: None

Documents: 10/28/2015 2C Certification ...

Public Comments: None

Project Documents:
None

Construction / Alteration Information

Notice Of: Construction
 Duration: Permanent

if Temporary : Months: Days:

Work Schedule - Start: 11/20/2015

Work Schedule - End: 11/25/2015

**For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing: Filed with State

Structure Summary

Structure Type: Monopole

Structure Name: WKU

FDC NOTAM:

NOTAM Number:

FCC Number:

Prior ASN:

Structure Details

Latitude: 36° 59' 12.47" N
 Longitude: 86° 27' 32.72" W
 Horizontal Datum: NAD83
 Site Elevation (SE): 510 (nearest foot)
 Structure Height (AGL): 160 (nearest foot)
 Current Height (AGL): (nearest foot)
** For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Minimum Operating Height (AGL): (nearest foot)
** For aeronautical study of a crane or construction equipment the maximum height should be listed above as the Structure Height (AGL). Additionally, provide the minimum operating height to avoid delays if impacts are identified that require negotiation to a reduced height. If the Structure Height and minimum operating height are the same enter the same value in both fields.*

Nacelle Height (AGL): (nearest foot)
** For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Dual-red and medium intensity

Other :

Recommended Marking/Lighting:

Current Marking/Lighting: N/A Proposed Structure

Other :

Nearest City: Bowling Green

Nearest State: Kentucky

Description of Location: Site Address:
303 South Way
Bowling Green, KY 42101

Description of Proposal: Proposed monopole with top-mounted antennas for overall height of 160' AGL.

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

Specific Frequencies

Previous Back to Search Next
Result



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

Aeronautical Study No.
 2015-ASO-18527-OE

Issued Date: 11/23/2015

Scott McCloud
 Bluegrass Cellular, Inc.
 2902 Ring Road
 Elizabethtown, KY 42701

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna - Top Mount WKU
 Location: Bowling Green, KY
 Latitude: 36-59-12.47N NAD 83
 Longitude: 86-27-32.72W
 Heights: 510 feet site elevation (SE)
 160 feet above ground level (AGL)
 670 feet above mean sea level (AMSL)

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

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

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

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

This determination expires on 05/23/2017 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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

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

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

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

If we can be of further assistance, please contact our office at (718) 553-2611. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2015-ASO-18527-OE.

Signature Control No: 270360133-273388320

(DNE)

Angelique Eersteling
Technician

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2015-ASO-18527-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

8300 Greensboro Dr.
Suite 1200
McLean, VA 22102
(703) 584-8678
WWW.FCCLAW.COM

Leila Rezanavaz
(703) 584-8668
leila@fcclaw.com

LNGS | LUKAS,
NACE,
GUTIERREZ
& SACHS, LLP

October 28, 2015

Via Email

Mr. John Houlihan
Kentucky Airport Zoning Commission
90 Airport Road, Building 400
Frankfort, Kentucky 40601

Dear Mr. Houlihan:

Enclosed please find two completed TC 56-50 forms, Application for Permit to Construct or Alter a Structure, for a new tower (WKU) in Bowling Green, Kentucky. The Structure, including top-mounted antennas will have an overall height of 160 feet Above Ground Level.

Enclosed Form TC 56-50 and the attached exhibit include all the pertinent information for this existing tower structure. Also enclosed are copies of the completed FAA Form 7460-1 for the proposed site, a non-reduced 7-1/2' U.S. Geological Survey map indicating the exact location of the site, and a 2-C survey.

Please do not hesitate to contact the undersigned if there are questions regarding this matter.

Sincerely,

Leila Rezanavaz
Consulting Engineer

Enclosures

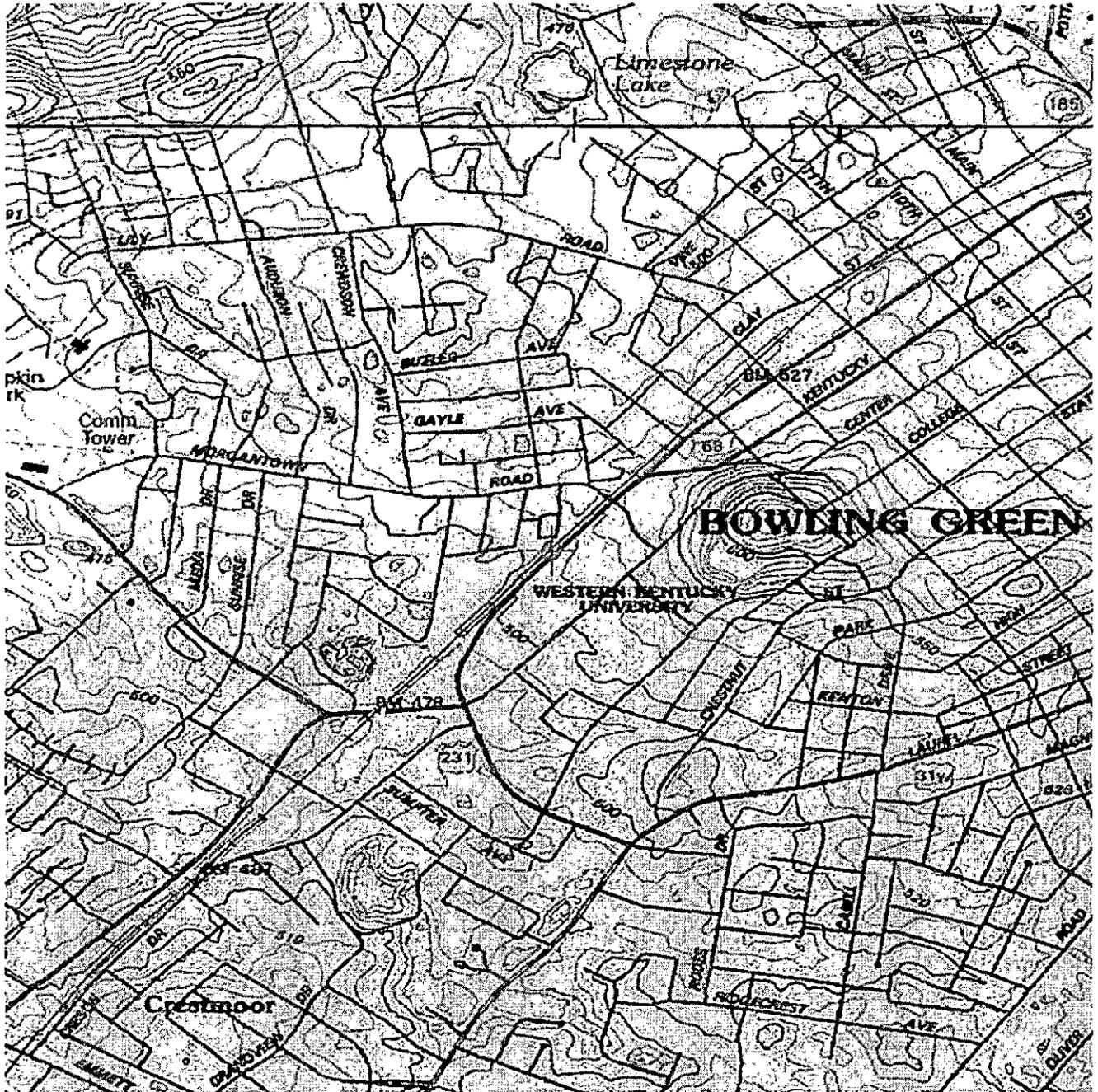


KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) Scott McCloud		PHONE 270-769-0339	FAX 270-737-0580	KY AERONAUTICAL STUDY #	
ADDRESS (street) 2902 Ring Road		CITY Elizabethtown		STATE KY	ZIP 42702
APPLICANT'S REPRESENTATIVE (name) Leila Rezanavaz		PHONE 703-584-8668	FAX 703-584-8696		
ADDRESS (street) 8300 Greensboro Dr. Suite 1200		CITY McLean		STATE VA	ZIP 22102
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 11/20/15 End 11/25/15	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input checked="" type="checkbox"/> Other Monopole		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 36°59'12.47"		LONGITUDE 86°27'32.72"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Bowling Green County Warren		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Bowling Green-Warren County Regional Airport			
SITE ELEVATION (AMSL, feet) 510		TOTAL STRUCTURE HEIGHT (AGL, feet) 160		CURRENT (FAA aeronautical study #) 2015-ASO-18527-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 670		PREVIOUS (FAA aeronautical study #) N/A			
DISTANCE (from nearest Kentucky public use or Military airport to structure) 2.8 Miles		PREVIOUS (KY aeronautical study #) N/A			
DIRECTION (from nearest Kentucky public use or Military airport to structure) NW					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Site is located at: 303 South Way, Bowling Green, KY 42101					
DESCRIPTION OF PROPOSAL Proposed Monopole Tower with top-mounted antennas for overall height of 160' AG.					
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? 10/28/2015					
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 Leila Rezanavaz	TITLE Concultg Engineer	SIGNATURE <i>Leila Rezanavaz</i>		DATE 10/28/2015	
COMMISSION ACTION		<input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC			
<input type="checkbox"/> Approved	SIGNATURE			DATE	
<input type="checkbox"/> Disapproved					

Close Print



INGLE, KERRY

From: Tim Ash [tash@bluegrasscellular.com]
Sent: Thursday, October 29, 2015 11:44 AM
To: INGLE, KERRY
Subject: FW: KAZC Filing (WKU Monopole)

FYI

Tim Ash | Senior Manager – Planning and Engineering
Bluegrass Cellular | 2902 Ring Rd | Elizabethtown, KY 42701
Email: tash@bluegrasscellular.com
Office: 270.765.6361 x3020 | Fax: 270.737.0580
Cell: 270.784.9589



From: Leila Rezanavaz [<mailto:LRezanavaz@fcclaw.com>]
Sent: Thursday, October 29, 2015 11:15 AM
To: Tim Ash <tash@bluegrasscellular.com>
Subject: FW: KAZC Filing (WKU Monopole)

Tim,

Below is the email from KAZC on WKU site. Their preliminary analysis indicates that KAZC permit is not required for this site. Please keep this email for your records as well as PSC filing (if needed).

Thank you

Leila Rezanavaz
Senior Consulting Engineer
Lukas, Nace, Gutierrez & Sachs, LLP
8300 Greensboro Drive
Suite 1200
McLean, VA 22102
Tel: 703-584-8668
Cell: 703-927-3122
Email: Leila@fcclaw.com
Email: lrezanavaz@fcclaw.com

From: Houlihan, John (KYTC) [<mailto:John.Houlihan@ky.gov>]
Sent: Thursday, October 29, 2015 10:03 AM
To: Leila Rezanavaz <LRezanavaz@fcclaw.com>
Subject: RE: KAZC Filing (WKU Monopole)

No permit is required from the KAZC. Please keep this email for your records. Thank you.

Aeronautical Study Result

The structure is not in KAZC's jurisdiction and does not require a permit.

Structure's Coordinates: 36°59'12.47"N, 86°27'32.72"W

Structure's Height :160ft

User-submitted ground elevation is 510 ft.

DEM's ground elevation is 535.94 ft (KYAPED 5-FT DEM).

13,728 ft to BWG runway 03/21. Below 100:1 Slope Surface by 14.28 ft .

12,757 ft to BWG runway 12/30. Below 100:1 Slope Surface by 4.57 ft .

Kentucky Airport Zoning Commission (KAZC)

John Houlihan, Administrator

90 Airport Road, Building 400

Frankfort, KY 40601

Direct Line 502-564-0310, Cell 502-330-3955, Office 502-564-4480, Fax 502-564-7953

KAZC webpage: <http://transportation.ky.gov/Aviation/Pages/Zoning-Commission.aspx>

CONFIDENTIALITY NOTICE: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail or call (502) 564-0310 and destroy all copies of the original message.

From: Leila Rezanavaz [<mailto:LRezanavaz@fcclaw.com>]

Sent: Wednesday, October 28, 2015 3:29 PM

To: Houlihan, John (KYTC)

Cc: Tim Ash

Subject: KAZC Filing (WKU Monopole)

Dear Mr. Houlihan,

Attached please find the KAZC filing package for the proposed WKU monopole in Bowling Green, KY with overall height of 160' AGL. Please feel free to contact me if you have any questions or comments.

Thank you,

Leila Rezanavaz

Senior Consulting Engineer

Lukas, Nace, Gutierrez & Sachs, LLP

8300 Greensboro Drive

Suite 1200

McLean, VA 22102

Tel: 703-584-8668

Cell: 703-927-3122

Email: Leila@fcclaw.com

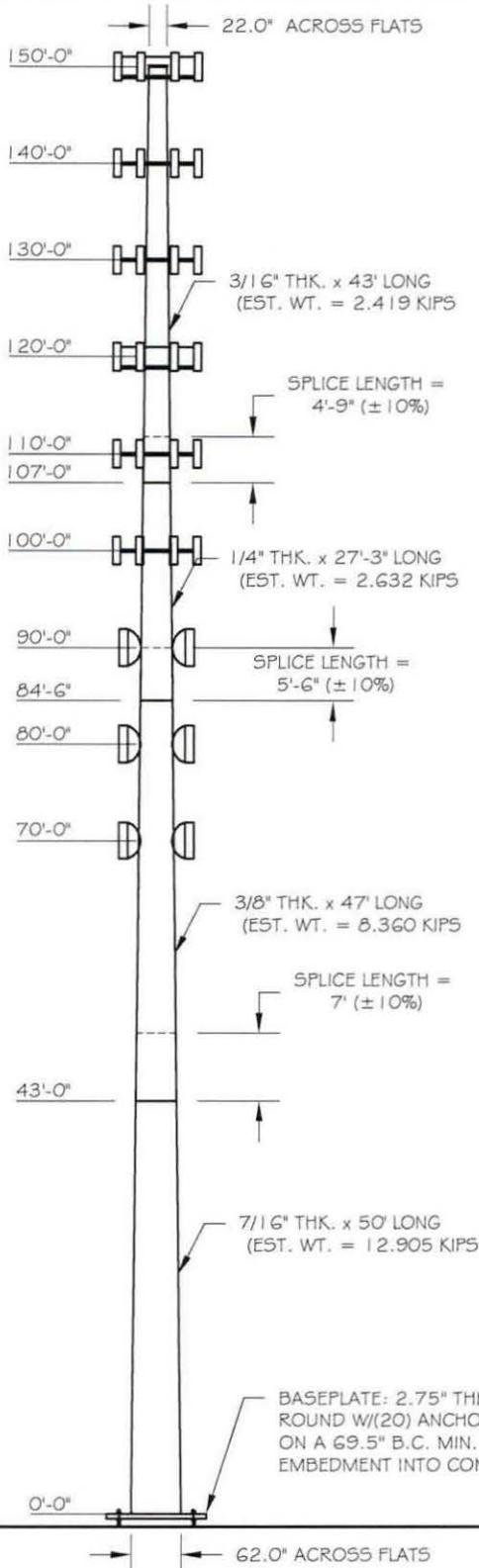
Email: lrezanavaz@fcclaw.com



TransAmerican Power Products, Inc.

2427 Kelly Lane
Houston, Texas 77068

PH: 281-444-8277 / FX: 281-444-7270



Page 1 of 2	Job Number: 23515-0632
Eng: MFP	Customer Ref: TP-13851
	Date: 10/28/2015
Structure: 150-FT MONOPOLE	
Site: WKU	
Location: WARREN CO., KY / 36°59'12.39", -86°27'32.84"	
Owner: BLUEGRASS CELLULAR	
Revision No.:	Revision Date:

DESIGN

Building Code: 2013 KENTUCKY BUILDING CODE			
Design Standard: ANSI/TIA-222-G-2			
Wind Speed Load Cases: 3-SEC. GUSTED WIND SPEED			
Load Case #1: 90 MPH Design Wind Speed			
Load Case #2: 30 MPH Wind with 0.75" Ice Accumulation			
Load Case #3: 60 MPH Service Wind Speed			
Structure Class: II	Exposure Cat.: C	Topography Cat.: I	Crest Height:

EQUIPMENT LIST

Elev.	Description
150	(9) LNX-8514 + (3) AIR-21-B4A/B2P PANEL
150	12-FT PLATFORM WITH HANDRAIL
140	(9) LNX-8514 + (3) AIR-21-B4A/B2P PANEL
140	12-FT LOW PROFILE PLATFORM
130	(9) LNX-8514 + (3) AIR-21-B4A/B2P PANEL
130	12-FT LOW PROFILE PLATFORM
120	(9) LNX-8514 + (3) AIR-21-B4A/B2P PANEL
120	12-FT PLATFORM WITH HANDRAIL
110	(9) LNX-8514 + (3) AIR-21-B4A/B2P PANEL
110	12-FT LOW PROFILE PLATFORM
100	(9) LNX-8514 + (3) AIR-21-B4A/B2P PANEL
100	12-FT LOW PROFILE PLATFORM
90	(2) HP-6 MICROWAVE
80	(2) HP-6 MICROWAVE
70	(2) HP-6 MICROWAVE

ANTENNA FEED FROM THE TOP TWO CARRIERS RUN INTERNALLY

STRUCTURE PROPERTIES

Cross-Section: 18-SIDED	Taper: 0.27750 in/ft				
Shaft Steel: ASTM A572 GR 65	Baseplate Steel: ASTM A572 GR 50				
Anchor Rods: 2.25 in. AG 15 GR. 75 X 7'-0" LONG					
Sect.	Length (ft)	Thickness (in)	Splice (ft)	Top Dia. (in)	Bot Dia. (in)
1	43.00	0.1875	4.75	22.00	33.93
2	27.25	0.2500	5.50	32.24	39.80
3	47.00	0.3750	7.00	37.78	50.82
4	50.00	0.4375	0.00	48.13	62.00



BASE REACTIONS FOR FOUNDATION DESIGN

Moment: 6928 ft-kip
Shear: 70 kip
Axial: 73 kip



**TransAmerican
Power Products, Inc.**

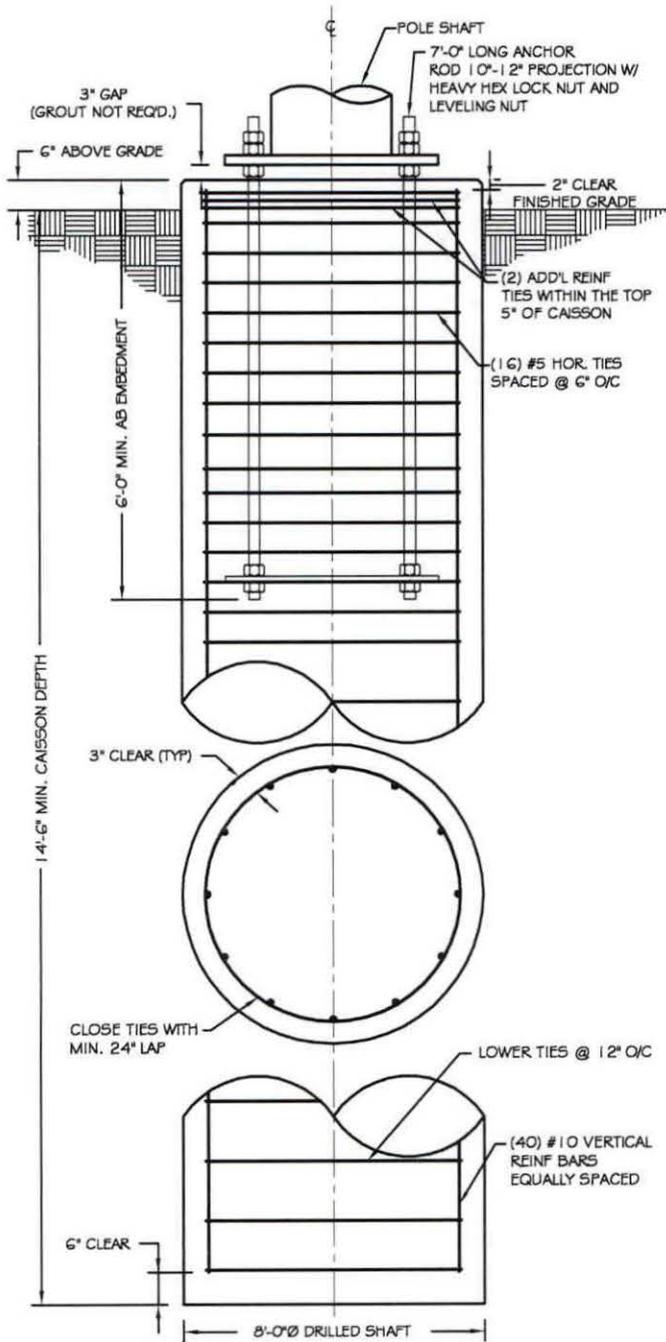
2427 Kelly Lane
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PH: 281-444-8277 / FX: 281-444-7270

Page 2 of 2	Job Number: 23515-0632
Eng: MFP	Customer Ref: TP-13851
	Date: 10/28/2015
Structure: 150-FT MONOPOLE	
Site: WKU	
Location: WARREN CO., KY / 36°59'12.39", -86°27'32.84"	
Owner: BLUEGRASS CELLULAR	
Revision No.:	Revision Date:

FOUNDATION NOTES:

1. ALL FOUNDATION CONCRETE SHALL USE TYPE II CEMENT AND ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.46 AND SHALL BE AIR ENTRAINED 6% (± 1.5%). ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318, "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", LATEST EDITION.
2. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 VERTICAL BARS SHALL BE GRADE 60, AND TIES OR STIRRUPS SHALL BE A MINIMUM OF GRADE 40. THE PLACEMENT OF ALL REINFORCEMENT SHALL CONFORM TO ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
3. CAISSON FOUNDATION INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 336, "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF DRILLED PIERS", LATEST EDITION.
4. THE CONTRACTOR SHALL DETERMINE THE MEANS AND METHODS TO SUPPORT THE EXCAVATION DURING CONSTRUCTION. THE CONTRACTOR SHALL READ THE GEOTECHNICAL REPORT AND SHALL CONSULT THE GEOTECHNICAL ENGINEER AS NECESSARY PRIOR TO CONSTRUCTION.
5. FOUNDATION DESIGN IS BASED ON GEOTECHNICAL REPORT BY:
ENGINEER: TERRACON
REPORT NO.: 57155067 (DATED 8/20/15)
6. ESTIMATED CONCRETE VOLUME = 28 CUBIC YARDS.
7. THE FOUNDATION HAS BEEN DESIGNED TO RESIST THE FOLLOWING FACTORED LOADS:
MOMENT: 6928 FT*KIPS
SHEAR: 70 KIPS
AXIAL: 73 KIPS



CAISSON FOUNDATION



10.28.2015
MICHAEL F. PLAHOVINSAK, P.E. #25466
18301 S.R. 161, Plain City, OH 43064
614-398-6250 / mike@mfpeng.com

tnxTower Michael F. Plahovinsak, P.E. 18301 State Route 161 Plain City, OH 43064 Phone: 614-398-6250 FAX: mike@mfpeng.com	Job 150-ft Monopole - MFP #23515-635 r1	Page 1 of 9
	Project WKU	Date 20:05:36 10/28/15
	Client TAPP (TP-13851)	Designed by Mike

Tower Input Data

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

The following design criteria apply:

Tower is located in Warren County, Kentucky.

Basic wind speed of 90 mph.

Structure Class II.

Exposure Category C.

Topographic Category 1.

Crest Height 0.00 ft.

Nominal ice thickness of 0.7500 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 30 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

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

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	150.00-107.00	43.00	4.75	18	22.0000	33.9300	0.1875	0.7500	A572-65 (65 ksi)
L2	107.00-84.50	27.25	5.50	18	32.2372	39.8000	0.2500	1.0000	A572-65 (65 ksi)
L3	84.50-43.00	47.00	7.00	18	37.7736	50.8200	0.3750	1.5000	A572-65 (65 ksi)
L4	43.00-0.00	50.00		18	48.1269	62.0000	0.4375	1.7500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ³	w in	w/t
L1	22.3394	12.9812	780.3007	7.7434	11.1760	69.8193	1561.6281	6.4918	3.5420	18.891
	34.4534	20.0810	2888.5335	11.9786	17.2364	167.5830	5780.8679	10.0424	5.6417	30.089
L2	34.0731	25.3818	3281.0365	11.3554	16.3765	200.3506	6566.3903	12.6933	5.2337	20.935
	40.4140	31.3829	6201.8869	14.0403	20.2184	306.7447	12411.9345	15.6944	6.5648	26.259
L3	39.9065	44.5136	7865.7482	13.2765	19.1890	409.9100	15741.8463	22.2610	5.9881	15.968
	51.6040	60.0422	19303.2315	17.9080	25.8166	747.7073	38631.8627	30.0268	8.2843	22.092
L4	50.8415	66.2227	19027.7893	16.9297	24.4485	778.2814	38080.6158	33.1176	7.7003	17.601
	62.9564	85.4872	40932.7736	21.8547	31.4960	1299.6182	81919.4076	42.7517	10.1420	23.182

tnxTower Michael F. Plahovinsak, P.E. 18301 State Route 161 Plain City, OH 43064 Phone: 614-398-6250 FAX: mike@mfpeng.com	Job 150-ft Monopole - MFP #23515-635 r1	Page 2 of 9
	Project WKU	Date 20:05:36 10/28/15
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Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Component Type	Placement ft	Total Number	C _A A		Weight
						ft ² /ft	plf	
1 5/8"	C	No	Inside Pole	150.00 - 0.00	18	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	C	No	Inside Pole	140.00 - 0.00	18	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	A	No	CaAa (Out Of Face)	130.00 - 0.00	2	No Ice	0.20	0.92
						1/2" Ice	0.30	2.43
						1" Ice	0.40	4.56
1 5/8"	C	No	Inside Pole	130.00 - 0.00	30	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	B	No	CaAa (Out Of Face)	120.00 - 0.00	2	No Ice	0.20	0.92
						1/2" Ice	0.30	2.43
						1" Ice	0.40	4.56
1 5/8"	C	No	Inside Pole	120.00 - 0.00	30	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	C	No	CaAa (Out Of Face)	110.00 - 0.00	2	No Ice	0.20	0.92
						1/2" Ice	0.30	2.43
						1" Ice	0.40	4.56
1 5/8"	C	No	Inside Pole	110.00 - 0.00	30	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	A	No	CaAa (Out Of Face)	100.00 - 0.00	2	No Ice	0.20	0.92
						1/2" Ice	0.30	2.43
						1" Ice	0.40	4.56
1 5/8"	C	No	Inside Pole	100.00 - 0.00	30	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	C	No	Inside Pole	90.00 - 0.00	2	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	C	No	Inside Pole	80.00 - 0.00	2	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92
1 5/8"	C	No	Inside Pole	70.00 - 0.00	2	No Ice	0.00	0.92
						1/2" Ice	0.00	0.92
						1" Ice	0.00	0.92

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment °	Placement ft	C _A A		Weight K	
			Horz Lateral ft	Vert ft			Front ft ²	Side ft ²		
(3) Andrew LNX-8514DS w/ mount pipe	A	From Face	3.00	0.00	0.0000	150.00	No Ice	11.45	9.60	0.08
							1/2" Ice	12.06	11.02	0.16
							1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	A	From Face	3.00	0.00	0.0000	150.00	No Ice	11.51	10.77	0.09
							1/2" Ice	12.13	12.19	0.18
							1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/	B	From Face	3.00	0.00	0.0000	150.00	No Ice	11.45	9.60	0.08

tnxTower Michael F. Plahovinsak, P.E. 18301 State Route 161 Plain City, OH 43064 Phone: 614-398-6250 FAX: mike@mfpeng.com	Job	150-ft Monopole - MFP #23515-635 r1	Page	3 of 9
	Project	WKU	Date	20:05:36 10/28/15
	Client	TAPP (TP-13851)	Designed by	Mike

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			Horz	Lateral					
mount pipe			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	B	From Face	3.00	0.0000	150.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	C	From Face	3.00	0.0000	150.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	C	From Face	3.00	0.0000	150.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
12' Platform w/ Handrail	C	None		0.0000	150.00	No Ice	26.00	26.00	1.80
						1/2" Ice	28.00	28.00	2.60
						1" Ice	30.00	30.00	3.40
**									
(3) Andrew LNX-8514DS w/ mount pipe	A	From Face	3.00	0.0000	140.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	A	From Face	3.00	0.0000	140.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	B	From Face	3.00	0.0000	140.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	B	From Face	3.00	0.0000	140.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	C	From Face	3.00	0.0000	140.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	C	From Face	3.00	0.0000	140.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
12' Low Profile Platform (MT-196)	C	None		0.0000	140.00	No Ice	10.40	10.40	0.91
						1/2" Ice	10.70	10.70	1.20
						1" Ice	11.00	11.00	1.47
**									
(3) Andrew LNX-8514DS w/ mount pipe	A	From Face	3.00	0.0000	130.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	A	From Face	3.00	0.0000	130.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	B	From Face	3.00	0.0000	130.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	B	From Face	3.00	0.0000	130.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	C	From Face	3.00	0.0000	130.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	C	From Face	3.00	0.0000	130.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
12' Low Profile Platform (MT-196)	C	None		0.0000	130.00	No Ice	10.40	10.40	0.91
						1/2" Ice	10.70	10.70	1.20

tnxTower Michael F. Plahovinsak, P.E. 18301 State Route 161 Plain City, OH 43064 Phone: 614-398-6250 FAX: mike@mfpeng.com	Job	150-ft Monopole - MFP #23515-635 r1	Page	4 of 9
	Project	WKU	Date	20:05:36 10/28/15
	Client	TAPP (TP-13851)	Designed by	Mike

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _{Front}	C _A A _{Side}	Weight
			Horz	Lateral Vert					
						1" Ice	11.00	11.00	1.47
**									
(3) Andrew LNX-8514DS w/ mount pipe	A	From Face	3.00	0.0000	120.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	A	From Face	3.00	0.0000	120.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	B	From Face	3.00	0.0000	120.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	B	From Face	3.00	0.0000	120.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	C	From Face	3.00	0.0000	120.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	C	From Face	3.00	0.0000	120.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
12' Platform w/ Handrail	C	None		0.0000	120.00	No Ice	26.00	26.00	1.80
						1/2" Ice	28.00	28.00	2.60
						1" Ice	30.00	30.00	3.40
**									
(3) Andrew LNX-8514DS w/ mount pipe	A	From Face	3.00	0.0000	110.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	A	From Face	3.00	0.0000	110.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	B	From Face	3.00	0.0000	110.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	B	From Face	3.00	0.0000	110.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	C	From Face	3.00	0.0000	110.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	C	From Face	3.00	0.0000	110.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
12' Low Profile Platform (MT-196)	C	None		0.0000	110.00	No Ice	10.40	10.40	0.91
						1/2" Ice	10.70	10.70	1.20
						1" Ice	11.00	11.00	1.47
**									
(3) Andrew LNX-8514DS w/ mount pipe	A	From Face	3.00	0.0000	100.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	A	From Face	3.00	0.0000	100.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18
			0.00			1" Ice	12.75	13.47	0.28
(3) Andrew LNX-8514DS w/ mount pipe	B	From Face	3.00	0.0000	100.00	No Ice	11.45	9.60	0.08
			0.00			1/2" Ice	12.06	11.02	0.16
			0.00			1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	B	From Face	3.00	0.0000	100.00	No Ice	11.51	10.77	0.09
			0.00			1/2" Ice	12.13	12.19	0.18

tnxTower Michael F. Plahovinsak, P.E. 18301 State Route 161 Plain City, OH 43064 Phone: 614-398-6250 FAX: mike@mfpeng.com	Job	150-ft Monopole - MFP #23515-635 r1	Page	5 of 9
	Project	WKU	Date	20:05:36 10/28/15
	Client	TAPP (TP-13851)	Designed by	Mike

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _A A _A Front	C _A A _A Side	Weight	
			Horz	Vert						
			ft	ft	°	ft	ft ²	ft ²	K	
(3) Andrew LNX-8514DS w/ mount pipe	C	From Face	0.00		0.0000	100.00	1" Ice	12.75	13.47	0.28
			3.00				No Ice	11.45	9.60	0.08
			0.00				1/2" Ice	12.06	11.02	0.16
			0.00				1" Ice	12.69	12.29	0.26
Ericsson AIR 21 B4A B2P w/ mount pipe	C	From Face	3.00		0.0000	100.00	No Ice	11.51	10.77	0.09
			0.00				1/2" Ice	12.13	12.19	0.18
			0.00				1" Ice	12.75	13.47	0.28
			0.00				No Ice	10.40	10.40	0.91
12' Low Profile Platform (MT-196)	C	None			0.0000	100.00	1/2" Ice	10.70	10.70	1.20
							1" Ice	11.00	11.00	1.47

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets:		Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight	
				Horz	Vert							
				ft	ft	°	°	ft	ft	ft ²	K	
HP-6	A	Paraboloid w/Shroud (HP)	From Face	1.00		0.0000		90.00	6.00	No Ice	28.27	0.30
				0.00						1/2" Ice	29.07	0.52
				0.00						1" Ice	29.86	0.74
HP-6	B	Paraboloid w/Shroud (HP)	From Face	1.00		0.0000		90.00	6.00	No Ice	28.27	0.30
				0.00						1/2" Ice	29.07	0.52
				0.00						1" Ice	29.86	0.74
HP-6	A	Paraboloid w/Shroud (HP)	From Face	1.00		0.0000		80.00	6.00	No Ice	28.27	0.30
				0.00						1/2" Ice	29.07	0.52
				0.00						1" Ice	29.86	0.74
HP-6	B	Paraboloid w/Shroud (HP)	From Face	1.00		0.0000		80.00	6.00	No Ice	28.27	0.30
				0.00						1/2" Ice	29.07	0.52
				0.00						1" Ice	29.86	0.74
HP-6	A	Paraboloid w/Shroud (HP)	From Face	1.00		0.0000		70.00	6.00	No Ice	28.27	0.30
				0.00						1/2" Ice	29.07	0.52
				0.00						1" Ice	29.86	0.74
HP-6	B	Paraboloid w/Shroud (HP)	From Face	1.00		0.0000		70.00	6.00	No Ice	28.27	0.30
				0.00						1/2" Ice	29.07	0.52
				0.00						1" Ice	29.86	0.74

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 90 deg - No Ice
5	0.9 Dead+1.6 Wind 90 deg - No Ice
6	1.2 Dead+1.6 Wind 180 deg - No Ice
7	0.9 Dead+1.6 Wind 180 deg - No Ice
8	1.2 Dead+1.0 Ice+1.0 Temp
9	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
10	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
11	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
12	Dead+Wind 0 deg - Service

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	Project WKU	Date 20:05:36 10/28/15
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Comb. No.	Description
13	Dead+Wind 90 deg - Service
14	Dead+Wind 180 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	150 - 107	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-43.66	0.00	0.18
			Max. Mx	4	-13.38	-657.55	0.02
			Max. My	6	-13.42	0.00	-657.17
			Max. Vy	4	28.80	-657.55	0.02
			Max. Vx	6	28.79	0.00	-657.17
			Max. Torque	4			-0.00
L2	107 - 84.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-67.46	0.00	0.40
			Max. Mx	4	-23.50	-1483.56	0.05
			Max. My	6	-23.55	0.00	-1482.64
			Max. Vy	4	43.56	-1483.56	0.05
			Max. Vx	6	43.53	0.00	-1482.64
			Max. Torque	4			-0.84
L3	84.5 - 43	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-96.91	0.00	9.48
			Max. Mx	4	-42.96	-3642.35	-5.53
			Max. My	6	-43.08	0.00	-3583.43
			Max. Vy	4	60.45	-3642.35	-5.53
			Max. Vx	6	58.63	0.00	-3583.43
			Max. Torque	4			4.13
L4	43 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	8	-132.12	0.00	9.41
			Max. Mx	4	-71.97	-6928.36	-19.19
			Max. My	6	-71.97	0.00	-6779.21
			Max. Vy	4	70.40	-6928.36	-19.19
			Max. Vx	6	68.62	0.00	-6779.21
			Max. Torque	4			4.12

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 107	30.513	13	1.8406	0.0000
L2	111.75 - 84.5	16.759	13	1.4776	0.0000
L3	90 - 43	10.693	13	1.1440	0.0000
L4	50 - 0	3.251	13	0.5956	0.0000

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	Project WKU	Date 20:05:36 10/28/15
	Client TAPP (TP-13851)	Designed by Mike

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	(3) Andrew LNX-8514DS w/ mount pipe	13	30.513	1.8406	0.0015	26035
140.00	(3) Andrew LNX-8514DS w/ mount pipe	13	26.707	1.7644	0.0015	13017
130.00	(3) Andrew LNX-8514DS w/ mount pipe	13	22.994	1.6800	0.0015	6508
120.00	(3) Andrew LNX-8514DS w/ mount pipe	13	19.465	1.5791	0.0015	4338
110.00	(3) Andrew LNX-8514DS w/ mount pipe	13	16.214	1.4535	0.0015	3490
100.00	(3) Andrew LNX-8514DS w/ mount pipe	13	13.297	1.3026	0.0015	3839
90.00	HP-6	13	10.693	1.1440	0.0015	4245
80.00	HP-6	13	8.376	0.9940	0.0013	4084
70.00	HP-6	13	6.352	0.8541	0.0011	3874

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	150 - 107	123.193	4	7.4421	0.0000
L2	111.75 - 84.5	67.708	4	5.9753	0.0000
L3	90 - 43	43.214	4	4.6261	0.0000
L4	50 - 0	13.138	4	2.4079	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	(3) Andrew LNX-8514DS w/ mount pipe	4	123.193	7.4421	0.0054	6629
140.00	(3) Andrew LNX-8514DS w/ mount pipe	4	107.844	7.1343	0.0054	3313
130.00	(3) Andrew LNX-8514DS w/ mount pipe	4	92.867	6.7933	0.0054	1654
120.00	(3) Andrew LNX-8514DS w/ mount pipe	4	78.631	6.3855	0.0055	1100
110.00	(3) Andrew LNX-8514DS w/ mount pipe	4	65.508	5.8779	0.0056	882
100.00	(3) Andrew LNX-8514DS w/ mount pipe	4	53.732	5.2678	0.0058	965
90.00	HP-6	4	43.214	4.6261	0.0058	1064
80.00	HP-6	4	33.850	4.0195	0.0053	1020
70.00	HP-6	4	25.674	3.4537	0.0044	965

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	Project WKU	Date 20:05:36 10/28/15
	Client TAPP (TP-13851)	Designed by Mike

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _w ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u φP _n
L1	150 - 107 (1)	TP33.93x22x0.1875	43.00	0.00	0.0	19.2967	-13.38	1171.68	0.011
L2	107 - 84.5 (2)	TP39.8x32.2372x0.25	27.25	0.00	0.0	30.1717	-23.50	1949.13	0.012
L3	84.5 - 43 (3)	TP50.82x37.7736x0.375	47.00	0.00	0.0	57.7294	-42.96	3974.13	0.011
L4	43 - 0 (4)	TP62x48.1269x0.4375	50.00	0.00	0.0	85.4872	-71.97	5703.83	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio M _{ux} φM _{ux}	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio M _{uy} φM _{uy}
L1	150 - 107 (1)	TP33.93x22x0.1875	657.55	782.84	0.840	0.00	782.84	0.000
L2	107 - 84.5 (2)	TP39.8x32.2372x0.25	1483.56	1525.95	0.972	0.00	1525.95	0.000
L3	84.5 - 43 (3)	TP50.82x37.7736x0.375	3642.36	3964.14	0.919	0.00	3964.14	0.000
L4	43 - 0 (4)	TP62x48.1269x0.4375	6928.38	7226.02	0.959	0.00	7226.02	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V _u K	φV _u K	Ratio V _u φV _u	Actual T _u kip-ft	φT _u kip-ft	Ratio T _u φT _u
L1	150 - 107 (1)	TP33.93x22x0.1875	28.80	585.84	0.049	0.00	1567.60	0.000
L2	107 - 84.5 (2)	TP39.8x32.2372x0.25	43.56	974.57	0.045	0.00	3055.63	0.000
L3	84.5 - 43 (3)	TP50.82x37.7736x0.375	60.45	1987.07	0.030	4.12	7937.97	0.001
L4	43 - 0 (4)	TP62x48.1269x0.4375	70.40	2851.91	0.025	4.11	14469.75	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P _u φP _n	Ratio M _{ux} φM _{ux}	Ratio M _{uy} φM _{uy}	Ratio V _u φV _u	Ratio T _u φT _u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	150 - 107 (1)	0.011	0.840	0.000	0.049	0.000	0.854	1.000	4.8.2 ✓
L2	107 - 84.5 (2)	0.012	0.972	0.000	0.045	0.000	0.986	1.000	4.8.2 ✓
L3	84.5 - 43 (3)	0.011	0.919	0.000	0.030	0.001	0.931	1.000	4.8.2 ✓
L4	43 - 0 (4)	0.013	0.959	0.000	0.025	0.000	0.972	1.000	4.8.2 ✓

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	Project WKU	Date 20:05:36 10/28/15
	Client TAPP (TP-13851)	Designed by Mike

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\emptyset P_{allow}$ K	% Capacity	Pass Fail	
L1	150 - 107	Pole	TP33.93x22x0.1875	1	-13.38	1171.68	85.4	Pass	
L2	107 - 84.5	Pole	TP39.8x32.2372x0.25	2	-23.50	1949.13	98.6	Pass	
L3	84.5 - 43	Pole	TP50.82x37.7736x0.375	3	-42.96	3974.13	93.1	Pass	
L4	43 - 0	Pole	TP62x48.1269x0.4375	4	-71.97	5703.83	97.2	Pass	
							Summary		
							Pole (L2)	98.6	Pass
							RATING =	98.6	Pass

Michael F. Plahovinsak, P.E. 18301 State Route 161 W Plain City, OH 43064 Phone: 614-398-6250 email: mike@mfpeng.com	Job 150-ft monopole - MFP #23515-0632	Page BP-G
	Project WKU	Date 10/28/2015
	Client TAPP TP-13851	Designed by Mike

Anchor Rod and Base Plate Calculation

ANSI/TIA-222-G-2

Factored Base Reactions:	Pole Shape:	Anchor Rods:	Base Plate:
Moment: 6928 ft-kips	18-Sided	(20) 2.25 in. A615 GR. 75	2.75 in. x 75.5 in. Round
Shear: 70 kips	Pole Dia. (D_p): 62.00 in	Anchor Rods Evenly Spaced	fy = 50 ksi
Axial: 72 kips		On a 69.5 in Bolt Circle	

Anchor Rod Calculation According to TIA-222-G section 4.9.9

$\phi =$	0.80 <small>TIA 4.9.9</small>
$I_{bolts} =$	12075.63 in ² <small>Moment of Inertia</small>
$P_u =$	239 kips <small>Tension Force</small>
$V_u =$	4 kips <small>Shear Force</small>
$R_{nt} =$	325.00 kips <small>Nominal Tensile Strength</small>
$\eta =$	0.50 <small>for detail type (d)</small>

The following Interaction Equation Shall Be Satisfied:

$$\left(\frac{P_u + \frac{V_u}{\eta}}{\phi R_{nt}} \right) \leq 1.0$$

$$0.947 \leq 1$$

Base Plate Calculation According to TIA-222-G

$\phi =$	0.90 <small>TIA 4.7</small>
$M_{PL} =$	637.5 in-kip <small>Plate Moment</small>
$L =$	9.7 in <small>Section Length</small>
$Z =$	18.4 <small>Plastic Section Modulus</small>
$M_P =$	920.6 in-kip <small>Plastic Moment</small>
$\phi M_n =$	828.6 in-kip <small>Factored Resistance</small>

Calculated Moment vs Factored Resistance

$$637.46 \text{ in-kip} \leq 829 \text{ in-kip}$$

Anchor Rods Are Adequate	94.7% <input checked="" type="checkbox"/>
Base Plate is Adequate	76.9% <input checked="" type="checkbox"/>

Michael F. Plahovinsak, P.E. 18301 State Route 161 W Plain City, OH 43064 Phone: 614-398-6250 email: mike@mfpeng.com	Job	150-ft monopole - MFP #23515-0632	Page	FND
	Project	WKU	Date	10/28/2015
	Client	TAPP TP-13851	Designed by	Mike

Caisson Calculation

According to ANSI/TIA-222-G-2

1. Foundation overturning resistance calculated with PLS Caisson, for Brom's method for rigid piles. Soil layers modeled after recommendations from the geotechnical report.
2. Cohesion strength for the upper 4 ft has been reduced by 50%
3. In lieu of a soil resistance factor $f_s = 0.75$ (TIA-9.4.1) an additional safety factor against soil failure of 1.33 has been applied.
4. Foundation is designed with a minimum safety factor resisting overturning of 2.0
5. Foundation has been designed with factored loads per TIA-222-G.
6. Geotechnical report indicates groundwater was not encountered within the depth of the foundation.

*** PIER PROPERTIES	CONCRETE STRENGTH (ksi) = 4.00	STEEL STRENGTH (ksi) = 60.00
	DIAMETER (ft) = 8.000	DISTANCE FROM TOP OF PIER TO GROUND LEVEL (ft) = 0.50
*** SOIL PROPERTIES	LAYER TYPE THICKNESS DEPTH AT TOP OF LAYER DENSITY CU KP PHI	(ft) (ft) (pcf) (psf) (degrees)
	1 S 4.00 4.00 0.00 0.0 1.000 -0.00	
	2 C 30.00 4.00 160.0 6000.0	
*** DESIGN (FACTORED) LOADS AT TOP OF PIER	MOMENT (ft-k) = 6928.0	VERTICAL (k) = 73.0 SHEAR (k) = 70.0
	ADDITIONAL SAFETY FACTOR AGAINST SOIL FAILURE = 1.33	
*** CALCULATED PIER LENGTH (ft) = 15.000		
*** CHECK OF SOILS PROPERTIES AND ULTIMATE RESISTING FORCES ALONG PIER		
TYPE TOP OF LAYER BELOW TOP OF PIER THICKNESS DENSITY CU KP FORCE ARM	(ft) (ft) (pcf) (psf)	(k) (ft)
S	0.50 4.00 0.0 6000.0	1.000 0.00 3.17
C	4.50 5.37 160.0 6000.0	2062.68 7.19
C	9.87 5.13 160.0 6000.0	-1969.31 12.44
*** SHEAR AND MOMENTS ALONG PIER		
DISTANCE BELOW TOP OF PIER (ft)	WITH THE ADDITIONAL SAFETY FACTOR	WITHOUT ADDITIONAL SAFETY FACTOR
	SHEAR (k) MOMENT (ft-k)	SHEAR (k) MOMENT (ft-k)
0.00	93.4 9667.9	70.0 7251.1
1.50	93.4 9808.0	70.0 7356.2
3.00	93.4 9948.0	70.0 7461.2
4.50	93.4 10088.1	70.0 7566.3
6.00	-482.6 9796.2	-362.0 7347.3
7.50	-1058.6 8640.2	-794.0 6480.3
9.00	-1634.6 6620.3	-1226.0 4965.3
10.50	-1728.0 3888.0	-1296.0 2916.1
12.00	-1152.0 1728.0	-864.0 1296.0
13.50	-576.0 432.0	-432.0 324.0
15.00	0.0 0.0	0.0 0.0
*** TOTAL REINFORCEMENT PCT = 0.60	REINFORCEMENT AREA (in ²) = 43.43	
*** USABLE AXIAL CAP. (k) = 73.0	USABLE MOMENT CAP. (ft-k) = 7697.4	

For Design:

8-ft Diameter caisson x 15-ft long (14.5-ft Embedded with 0.5-ft above grade)
 Concrete strength = 4000 PSI @ 28 days. Estimated Concrete Volume = 28 CY3.
 (40) #10 Vertical Rebar. Steel Cross-Section = 50.8 in²

Geotechnical Engineering Report

Proposed 155 ft. Monopole Telecommunications Tower

Site Name: WKU Capacity

Bowling Green, Warren County, Kentucky

September 15, 2015

Project No. 57155067



Prepared for:

Kentucky RSA #3 Cellular General Partnership,

D/B/A Bluegrass Cellular, Inc.

Elizabethtown, Kentucky

Prepared by:

Terracon Consultants, Inc.

Louisville, Kentucky

Offices Nationwide
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Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

September 15, 2015



Bluegrass Cellular, Inc.
2902 Ring Road
Elizabethtown, KY 42702

Attn: Mr. Tim Ash
P: 270.765.6361

Regarding: Geotechnical Engineering Report
Proposed 155 ft. Monopole Telecommunications Tower
Site Name: WKU Capacity
Bowling Green, Warren County, Kentucky
Terracon Project No.: 57155067

Dear Mr. Ash:

Terracon Consultants, Inc. (Terracon) has completed the geotechnical subsurface investigation, laboratory testing and engineering analysis for the above-referenced project. It is our understanding that a 155 ft. monopole tower is planned for this site. The purpose of this report is to provide strength values for the subsurface materials. This study was performed in general accordance with Terracon's Master Service Agreement dated March 7, 2001 and Kentucky RSA#3 Cellular General Partnership d/b/a Bluegrass Cellular Purchase Order PO-3596 dated May 13, 2015.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in blue ink, appearing to read "M. Todd England", is written over the typed name.

M. Todd England, P.G.
Project Geologist
Kentucky PG# 2575

A circular professional engineer seal for the State of Kentucky. The seal contains the text "STATE OF KENTUCKY" around the top edge, "ROBERT N. KENNEDY" in the center, and "23117" below the name. The outer ring of the seal reads "LICENSED PROFESSIONAL ENGINEER". A handwritten signature in black ink is written across the seal.

Robert N. Kennedy
Office Manager
Kentucky PE# 23117

Reviewed by: Barney C. Hale – Senior Engineer

TABLE OF CONTENTS

	Page
1.0 PROJECT INFORMATION	1
1.1 Project Description	1
1.2 Site Location and Description	1
2.0 SUBSURFACE CONDITIONS	2
2.1 Geology	2
2.2 Typical Profile	2
2.3 Groundwater	3
3.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION	4
3.1 Geotechnical Considerations	4
3.2 Foundation Recommendations	4
3.2.1 Drilled Pier Foundation System	4
3.2.2 Shallow Buried Foundation	6
3.2.3 Equipment Building/Cabinet Foundations	7
3.3 Earthwork	7
3.3.1 Compaction Requirements	8
3.3.2 Construction Considerations	8
4.0 GENERAL COMMENTS	9

APPENDIX

- Site Location Plan
- Boring Location Plan
- Boring Log
- Field Exploration and Laboratory Testing
- General Notes
- Unified Soil Classification
- General Notes - Sedimentary Rock Classification

**GEOTECHNICAL ENGINEERING REPORT
 PROPOSED 155' MONOPOLE TOWER
 SITE NAME: WKU Capacity
 BOWLING GREEN, WARREN COUNTY, KENTUCKY
 Terracon Project No. 57155067
 September 15, 2015**

1.0 PROJECT INFORMATION

1.1 Project Description

ITEM	DESCRIPTION
Site layout	See the Boring Location Plan (Exhibit A-2) in the Appendix
Leased Area	Approximately 0.18 acre compound and associated access and easements.
Tower	Monopole, 155 feet
Maximum loads	Vertical: 32 kips (assumed) Shear: 26 kips (assumed) Moment: 2,700 kip-ft (assumed)
Maximum allowable settlement	1-inch (assumed)
Equipment Building: Maximum Loads	Column: 25 kips (assumed) Wall: 1.5 kips/ft (assumed)
Equipment Building: Maximum allowable settlement	Total Settlement: 1-inch (assumed) Differential Settlement: ¾ inch over 40 feet (assumed)
Grading	Cut: 2 feet (+/-) max (assumed) Fill: 2 feet (+/-) max (assumed)

1.2 Site Location and Description

ITEM	DESCRIPTION
Location	The proposed tower location is at southeast corner of Forest Drive and South Way in Bowling Green, Warren County, Kentucky. The following lat/long were provided by Bluegrass Cellular: 36.986800°/- 86.459100°.
Existing improvements	Vacant
Current ground cover	Gravel.
Existing topography	Detailed grading information was not provided prior to the issuance of this report. However, based on the site reconnaissance the proposed tower area appeared to be relatively flat.

2.0 SUBSURFACE CONDITIONS

2.1 Geology

FORMATION ¹	DESCRIPTION
Ste. Genevieve	Limestone, predominantly oolitic; some fine- to medium-crystalline, argillaceous, coarse detrital; in part cherty; gray to white, slightly darker where weathered; thin to thick bedded.

1. Based on the Geologic Map of the Bowling Green South Quadrangle, Kentucky, published by U.S. Geological Survey (GQ-235 - 1963).

The Ste. Genevieve Limestone formation is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels developing within the rock strata creating a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of structures situated above the karst features. Our review of the Karst Potential Map (<http://kgs.uky.edu>) noted multiple sinkholes within a 1 mile radius of the property. However, the boring advanced on-site did not disclose any significant signs of karst related activity at the tower location. The risks associated with karst geology are common for the project vicinity and are not unique to this site.

2.2 Typical Profile

One boring was drilled at the center of the tower as staked in the field by the owner's representative. Based on the results of our boring, the subsurface conditions on the project site can be generalized as follows:

Description	Approximate Depth to Bottom of Stratum (feet)	Material Encountered	Consistency/Density
Surface	0.6	Topsoil	N/A
Stratum 1	4	Fat Clay	Very stiff N-value = 13 bpf
Stratum 2	9 (boring termination)	Limestone, moderately to slightly weathered, medium bedded	Recovery: 98% RQD: 98%

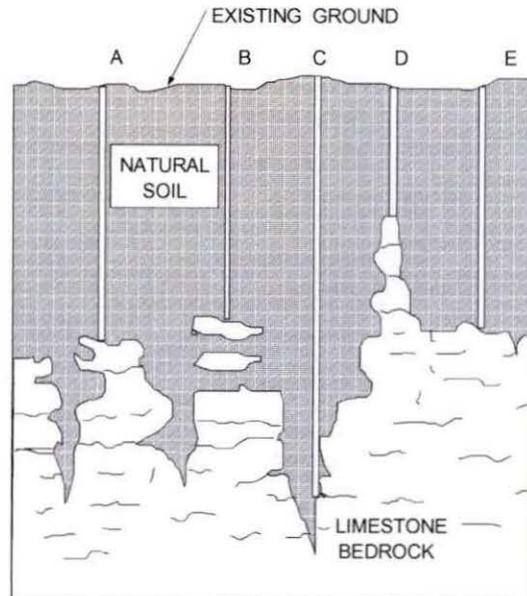
Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067

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AUGER REFUSAL ILLUSTRATION

Auger refusal was encountered at a depth of approximately 4 feet below existing grade. Auger refusal is defined as the depth below the ground surface at which a test boring can no longer be advanced with the soil drilling technique being used. In an area of limestone bedrock, auger refusal can result on slabs of unweathered limestone suspended in the residual soil matrix ("floaters"), on rock "pinnacles" rising above the surrounding bedrock surface, in widened joints that may extend well below the surrounding bedrock surface, or on the upper surface of continuous bedrock. Several of these possible auger refusal conditions are illustrated in the adjacent figure.



THIS FIGURE IS FOR ILLUSTRATIVE PURPOSES ONLY AND DOES NOT NECESSARILY DEPICT THE SPECIFIC BEDROCK CONDITIONS AT THIS SITE

The Ste. Genevieve Limestone bedrock formation is known for producing several obstructions that can cause the augers to refuse above sound bedrock. These obstructions can range from floaters to rock pinnacles as illustrated in examples A, B, C, and D in the figure. Depth to competent bedrock in areas of karst geology can vary greatly over short distances. The possibility of varying depths to bedrock should be considered when developing the design and construction plans for this project.

Rock core operations were performed to better explore the refusal materials. The bedrock materials sampled consisted of a brownish to blueish gray, fine to medium grained, hard, slightly weathered limestone. Sample recovery equaled 98 percent. The quality of the core obtained is considered to be excellent with the RQD value equal to 98 percent.

Specific conditions encountered at the boring location are indicated on the attached boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types; in-situ, the transition between materials may be gradual. Further details of the boring can be found on the boring log in the Appendix of this report.

2.3 Groundwater

The borehole was observed while drilling and after completion of soil drilling activities for the presence and level of groundwater. Groundwater was not observed in the boring while drilling the soil overburden. Water was used to obtain the rock core sample from this site, negating any post boring groundwater measurement. Due to the low permeability of the soils encountered in the

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067



boring, a relatively long period of time may be necessary for a groundwater level to develop and stabilize in a borehole in these materials. Long term observations in piezometers or observation wells sealed from the influence of surface water are often required to define groundwater levels in materials of this type.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the boring was performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring log. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

3.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION

3.1 Geotechnical Considerations

Based on the encountered subsurface conditions, the proposed tower can be either founded on a drilled pier or on a buried footing foundation. The equipment building may be supported on shallow spread footings. Design recommendations for the tower drilled pier and buried foundation as well as shallow footings for the equipment building are presented in the following report sections.

3.2 Foundation Recommendations

3.2.1 Drilled Pier Foundation System

The proposed tower can be founded on a straight shaft drilled pier foundation system. Based on the results of field and laboratory testing, we have developed the following drilled pier design parameters.

Approximate Depth (feet) ¹	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Cohesion (psf)	Internal Angle of Friction (Degrees)	Strain ϵ_{50}	Lateral Subgrade Modulus (pci)
0 – 3	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
Fat Clay 3 – 4	425	--	1,500	1,500	--	0.007	125
Intact Limestone 4 – 9	5,000 ²	40,000	10,000 ²	100,000 ²	--	0.00001	3,000

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067



1. Pier observation is recommended to adjust pier length if variable soil conditions are encountered. A total unit weight of 120 and 160 pcf can be assumed for the clay and limestone bedrock, respectively.
2. The pier should be embedded a minimum of 3 feet into competent limestone to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have a factor of safety of about 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on our boring, published values and our past experience with similar soil types. These values should, therefore, be considered approximate. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. If the drilled pier is designed using the above parameters and bears on or within the limestone bedrock, settlements are not anticipated to exceed ½ inch. This settlement value does not include any subsidence or ground movement related to karst activity.

The upper 3 feet of soil should be ignored due to the potential effects of frost action, and construction disturbance. To avoid a reduction in uplift and lateral resistance caused by variable bedrock depths and bedrock quality, it is recommended that a minimum pier length and minimum competent rock socket length be stated on the design drawings. Competent rock was encountered in our boring below a depth of about 4 feet, but could vary if the tower is moved from the location of our boring, or if significant grade changes occur at the site. Considering the site geology, variable rock depths should be anticipated if the tower location is moved from the location of our boring. If the tower center is moved more than 10 feet, our office should be notified to review our recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

A drilled pier foundation should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and possible dewatering of the pier excavation. Temporary casing may be required during the pier excavation in order to control possible groundwater seepage and support the sides of the excavation in weak soil zones. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction. The bottom of the shaft should be free of loose soil or debris prior to reinforcing steel and concrete placement.

A concrete slump of at least 6 inches is recommended to facilitate temporary casing removal. It should be possible to remove the casing from a pier excavation during concrete placement provided that the concrete inside the casing is maintained at a sufficient level to resist any earth and hydrostatic pressures outside the casing during the entire casing removal procedure.

3.2.2 Shallow Buried Foundation

If desired, a shallow buried foundation can be used to support the proposed tower. The mat foundation can be designed using the following native soil/engineered fill, and bedrock parameters.

DESCRIPTION	VALUE
Foundation Subgrade ¹	Suitable natural soil or engineered fill extending to suitable natural soil/bedrock
Net allowable bearing pressure ²	Soil: 3,000 psf Bedrock: 5,000 psf
Allowable passive pressure ³	1,500 psf (below 3 feet)
Coefficient of sliding friction ³	0.35
Minimum embedment below finished grade for frost protection	24 inches
Approximate total settlement ⁴	1 inch

1. A geotechnical engineer should verify footing subgrade prior to concrete placement.
2. Assumes any soft or unsuitable soils, if encountered, will be undercut and replaced with approved engineered granular fill or lean concrete. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. Higher values are available for bedrock support; however it may be difficult to obtain a level bedrock surface to support the buried foundation over a large area.
3. The sides of the excavation for the spread footing foundation must be nearly vertical and the concrete should be placed neat against these vertical faces for the passive earth pressure values to be valid. If the loaded side is sloped or benched, and then backfilled, the allowable passive pressure will be significantly reduced. Passive resistance in the upper 3 feet of the soil profile should be neglected. Lateral resistance due to friction at the base of the footing should be ignored where uplift also occurs.
4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footing, the thickness of compacted fill, and the quality of the earthwork operations.

Uplift forces can be resisted by the dead weight of the footing and the effective weight of any soil above the footing. A unit weight of soil not exceeding 115 pcf is appropriate for the on-site soils backfilled above the foundation, assuming that it is compacted to at least 95 percent of standard Proctor maximum dry density (ASTM D-698). A unit weight of 150 pcf could be used for mat foundation concrete. The ground surface should be sloped away from the foundation to avoid ponding of water and saturation of the backfill materials.

The base of all foundation excavations should be free of water and loose soil prior to placing concrete. Concrete should be placed soon after excavating to reduce bearing soil disturbance. Should the soils at bearing level become excessively dry, disturbed or saturated, or frozen, the affected soil should be removed prior to placing concrete. Place a lean concrete mud-mat over

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067



the bearing soils if the excavations must remain open over night or for an extended period of time. It is recommended that the geotechnical engineer be retained to observe and test the soil foundation bearing materials.

3.2.3 Equipment Building/Cabinet Foundations

Very stiff soils were encountered in the boring advanced for the proposed tower. A boring within the proposed equipment building footprint was beyond the scope of this exploration.

DESCRIPTION	VALUE
Foundation Subgrade ¹	Suitable natural soils
Net allowable bearing pressure ²	3,000 psf
Minimum footing sizes Isolated:	2 feet by 2 feet
Wall :	16 inches wide
Coefficient of sliding friction	0.35
Minimum embedment below finished grade for frost protection ³	24 inches
Approximate total settlement ⁴	1 inch

1. A geotechnical engineer should verify footing subgrade prior to concrete placement.
2. Assumes any soft or unsuitable soils, if encountered, will be undercut and replaced with approved engineered fill. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation.
3. For perimeter footing and footings beneath unheated areas.
4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footings, the thickness of any compacted fill, and the quality of the earthwork operations.

3.3 Earthwork

Site preparation should begin with removal of surface materials, topsoil, vegetation, organics and any soft or otherwise unsuitable materials from the entire construction area. We recommend the actual stripping depth along with any soft soils that will require undercutting be evaluated by the geotechnical engineer at the time of construction. Engineered fill should meet the following material property requirements:

Fill Type ¹	USCS Classification	Acceptable Location for Placement ¹
Well graded granular material	GW ³ , SW, SM, and SC ²	All locations and elevations
Lean Clay	CL (LL<50 & PI<22)	All locations and elevations

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067



On-site soils	CH	Beneath equipment building and access road at a minimum depth of 2 feet below the final finished subgrade elevations.
<ol style="list-style-type: none">1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. Frozen material should not be used, and fill should not be placed on a frozen subgrade. A sample of each material type should be submitted to the geotechnical engineer for evaluation. Any fill to be placed beneath the tower footing should consist of well graded granular material.2. Similar to crushed limestone aggregate or limestone screenings or granular material such as sand, gravel or crushed stone (pug mix).3. Similar to KDOT Section 302 for dense graded aggregate or crushed stone base limestone, limestone screenings, or granular material such as sand, gravel or crushed stone containing not more than 18% non-plastic fines.		

3.3.1 Compaction Requirements

Fill Lift Thickness	9-inches or less in loose thickness
Compaction Requirements ¹	98% of the materials standard Proctor maximum dry density (ASTM D-698)
Moisture Content – Granular Material	Workable moisture levels ²
Moisture Content – Cohesive Soil	Within the range of optimum moisture content to 2% above or 1% below optimum moisture content as determined by the standard Proctor test at the time of placement

1. We recommend that engineered fill be tested for moisture content and compaction during placement. Should the results of the in-place density tests indicate the specified moisture or compaction limits have not been met, the area represented by the test should be reworked and retested as required until the specified moisture and compaction requirements are achieved.
2. Specifically, moisture levels should be maintained low enough to allow for satisfactory compaction to be achieved without the cohesionless fill material pumping when proofrolled.

3.3.2 Construction Considerations

Although the exposed subgrade is anticipated to be relatively stable upon initial exposure, unstable subgrade conditions could develop during general construction operations, particularly if the soils are wetted and/or subjected to repetitive construction traffic. The use of light construction equipment would aid in reducing subgrade disturbance. Should unstable subgrade conditions develop stabilization measures will need to be employed.

Construction traffic over the completed subgrade should be avoided to the extent practical. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. If the subgrade should become frozen, desiccated, saturated, or disturbed, the affected material should be removed or these materials should be scarified, moisture conditioned, and recompacted.

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067



As a minimum, all temporary excavations should be sloped or braced as required by Occupational Health and Safety Administration (OSHA) regulations to provide stability and safe working conditions. Temporary excavations may be required during grading operations. The grading contractor, by his contract, is usually responsible for designing and constructing stable, temporary excavations and should shore, slope or bench the sides of the excavations as required, to maintain stability of both the excavation sides and bottom. All excavations should comply with applicable local, state and federal safety regulations, including the current OSHA Excavation and Trench Safety Standards.

The geotechnical engineer should be retained during the construction phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation; proof-rolling; placement and compaction of controlled compacted fills; backfilling of excavations into the completed subgrade, and just prior to construction of foundations.

4.0 GENERAL COMMENTS

Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide observation and testing services during grading, excavation, foundation construction and other earth-related construction phases of the project.

The analysis and recommendations presented in this report are based upon the data obtained from the boring performed at the indicated location and from other information discussed in this report. This report does not reflect variations that may occur across the site, or due to the modifying effects of weather. The nature and extent of such variations may not become evident until during or after construction. If variations appear, we should be immediately notified so that further evaluation and supplemental recommendations can be provided.

The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

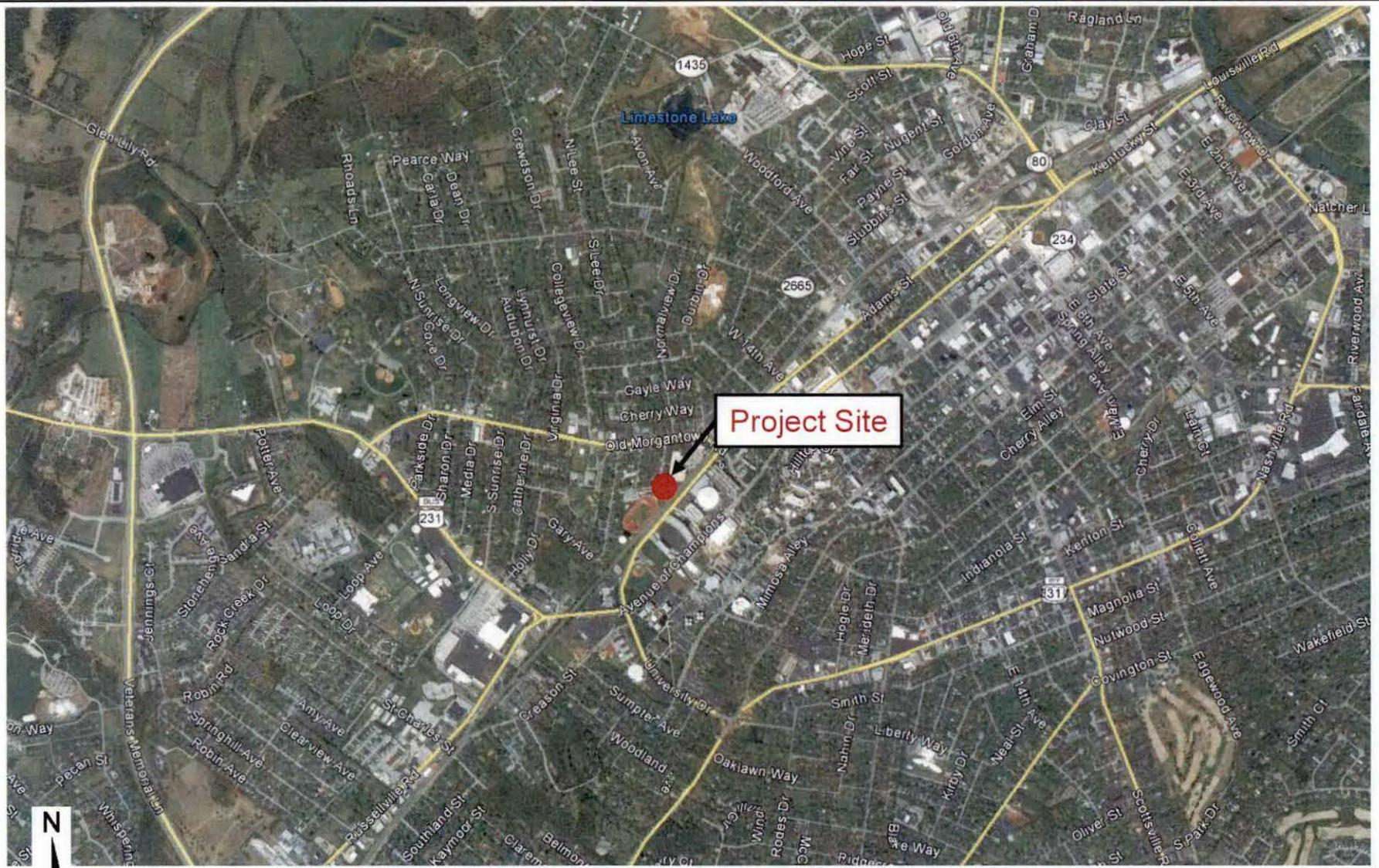
This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support, and dewatering requirements are the responsibility of others. In the event that changes in the nature, design, or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless Terracon reviews the changes and either verifies or modifies the conclusions of this report in writing.

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067

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APPENDIX



Project Manager:	MTE
Drawn by:	RCO
Checked by:	MTE
Approved by:	MTE

Project No.	57155067
Scale:	GRAPHIC
File Name:	GMAP
Date:	August 5, 2015

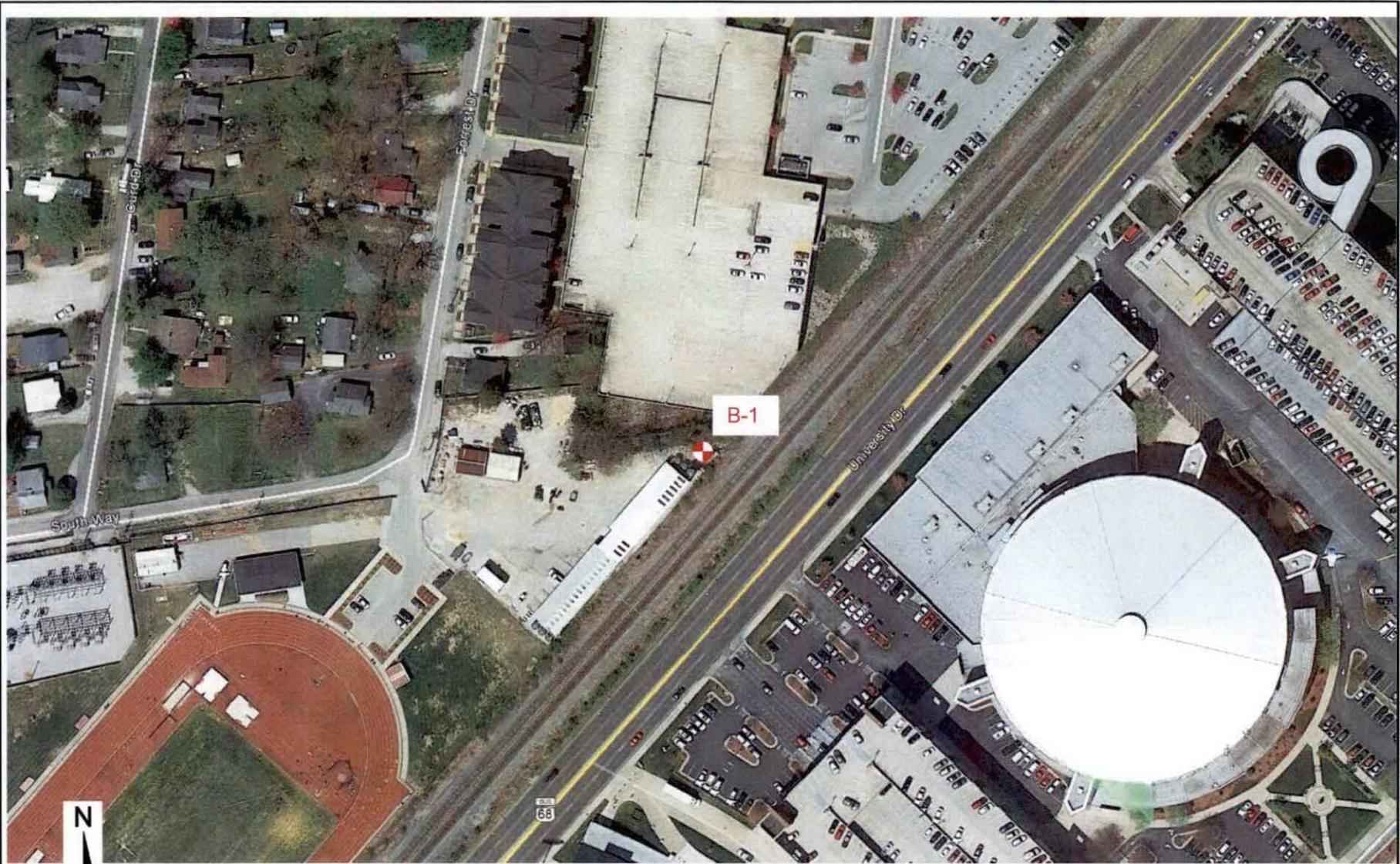
Terracon
Consulting Engineers & Scientists

13050 Eastgate Park Way, Suite 101, Louisville, KY 40223
P [502] 456 1256 F [502] 456 1278

SITE LOCATION PLAN

WKU CELL TOWER
SEC OF FORREST DRIVE AND SOUTH WAY
BOWLING GREEN, KENTUCKY

Exhibit
A-1



Project Manager:	MTE	Project No.	57155067
Drawn by:	RCO	Scale:	GRAPHIC
Checked by:	MTE	File Name:	GMAP
Approved by:	MTE	Date:	August 5, 2015


 Consulting Engineers & Scientists

13050 Eastgate Park Way, Suite 101, Louisville, KY 40223
 P [502]456 1256 F [502]456 1278

BORING LOCATION PLAN

WKU CELL TOWER
 SEC OF FORREST DRIVE AND SOUTH WAY
 BOWLING GREEN, KENTUCKY

Exhibit

A-2

BORING LOG NO. B-1

PROJECT: WKU Telecommunications Tower

CLIENT: Kentucky RSA#3 Cellular General Partnership
d/b/a Bluegrass Cellular
Elizabethtown, Kentucky

SITE: SEC of Forest Drive and South Way
Bowling Green, Kentucky

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 36.9868° Longitude: -86.4591°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	ROCK CORE RECOVERY AND RQD (%)	ROCK CORE COMPRESSIVE STRENGTH (psf)	WATER CONTENT (%)	ATTERBERG LIMITS
	DEPTH									
0.6	TOPSOIL									
4.0	FAT CLAY (CH) , with chert fragments, reddish-brown with black oxidation nodules, very stiff, trace roots			X	13	5-5-8 N=13			19	56-26-30
5.0	LIMESTONE , brownish gray, fine to medium-grained, medium bedding, slightly weathered, strong rock				1	50/1"			22	
9.0	LIMESTONE , bluish gray, fine to medium-grained, medium bedding, slightly weathered, strong rock	5					98/98	5030		
	Boring Terminated at 9 Feet									

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

Dry at completion.

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13050 Eastgate Park Way, Suite 101
Louisville, Kentucky

Boring Started: 8/5/2015

Boring Completed: 8/5/2015

Drill Rig: B-53

Driller: R Mathis

Project No.: 57155067

Exhibit: A-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 57155067 WKU TOWER GINT.GPJ TERRACON2015.GDT 9/15/15

Field Exploration Description

The boring was drilled at the center of the tower as staked in the field by the owner's representative. The approximate boring location is shown on the enclosed boring location plan. The surface elevation was not provided to Terracon.

Drilling was performed using an ATV mounted rotary drill rig. Hollow stem augers were used to advance the borehole. Representative soil samples were obtained by the split-barrel sampling procedure. In the split-barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split-barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a 140-pound hammer with a free fall of 30 inches, is the standard penetration resistance value (N). This value is used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils. The sampling depths and penetration distance, plus the standard penetration resistance values, are shown on the boring log. The samples were sealed and returned to the laboratory for testing and classification.

Auger refusal was encountered at a depth of about 4 feet. Below this depth, the boring was advanced into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of the drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) were determined.

The "percent recovery" is the ratio of the sample length retrieved to the drilled length, expressed as a percent. An indication of the actual in-situ rock quality is provided by calculating the sample's Rock Quality Designation (RQD), which is the ratio of the cumulative length of 4-inch or longer cores (discounting mechanical breaks) to the drilled length. The percent recovery and RQD are related to rock soundness and quality as illustrated below:

Relation of RQD and In-situ Rock Quality	
RQD (%)	Rock Quality
90 - 100	Excellent
75 - 90	Good
50 - 75	Fair
25 - 50	Poor
0 - 25	Very Poor

A field log of the boring was prepared by the drill crew. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the field log and includes modifications based on laboratory observation and tests of the samples.

Geotechnical Engineering Report

WKU Capacity Telecommunication Tower ■ Bowling Green, KY
September 15, 2015 ■ Terracon Project Number 57155067



The soil samples were classified in the laboratory based on visual observation, texture and plasticity. The descriptions of the soils indicated on the boring log are in general accordance with the enclosed General Notes and the Unified Soil Classification System. Estimated group symbols according to the Unified Soil Classification System are given on the boring log. A brief description of this classification system is attached to this report.

Classification and descriptions of rock core samples are in general accordance with the enclosed General Notes, and are based on visual and tactile observations. Petrographic analysis of thin sections may indicate other rock types. Percent recovery and rock quality designation (RQD) were calculated for these samples and are noted at their depths of occurrence on the boring log.

Laboratory Testing

The laboratory testing program consisted of performing water content tests and an Atterberg Limits test on representative soil samples. A calibrated hand penetrometer was used to estimate the approximate unconfined compressive strength of the soil samples. The calibrated hand penetrometer has been correlated with unconfined compression tests and provides a better estimate of soil consistency than visual examination alone. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification. In addition an unconfined compressive strength test was conducted on a select sample of the rock core specimen. Results of these tests are provided on the boring log.

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS: Split Spoon – 1- ³ / ₈ " I.D., 2" O.D., unless otherwise noted	HS: Hollow Stem Auger
ST: Thin-Walled Tube - 2" O.D., unless otherwise noted	PA: Power Auger
RS: Ring Sampler - 2.42" I.D., 3" O.D., unless otherwise noted	HA: Hand Auger
DB: Diamond Bit Coring - 4", N, B	RB: Rock Bit
BS: Bulk Sample or Auger Sample	WB: Wash Boring or Mud Rotary

The number of blows required to advance a standard 2-inch O.D. split-spoon sampler (SS) the last 12 inches of the total 18-inch penetration with a 140-pound hammer falling 30 inches is considered the "Standard Penetration" or "N-value".

WATER LEVEL MEASUREMENT SYMBOLS:

WL: Water Level	WS: While Sampling	N/E: Not Encountered
WC: Wet Cave in	WD: While Drilling	
DC: Dry Cave in	BCR: Before Casing Removal	
AB: After Boring	ACR: After Casing Removal	

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. Groundwater levels at other times and other locations across the site could vary. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels may not be possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION: Soil classification is based on the Unified Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 – 1,000	2-3	Soft
1,001 – 2,000	4-6	Medium Stiff
2,001 – 4,000	7-12	Stiff
4,001 – 8,000	13-26	Very Stiff
8,000+	26+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Ring Sampler (RS) Blows/Ft.</u>	<u>Relative Density</u>
0 – 3	0-6	Very Loose
4 – 9	7-18	Loose
10 – 29	19-58	Medium Dense
30 – 49	59-98	Dense
50+	99+	Very Dense

RELATIVE PROPORTIONS OF SAND AND GRAVEL

<u>Descriptive Term(s) of other Constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 15
With	15 – 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

<u>Major Component of Sample</u>	<u>Particle Size</u>
Boulders	Over 12 in. (300mm)
Cobbles	12 in. to 3 in. (300mm to 75 mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt or Clay	Passing #200 Sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

<u>Descriptive Term(s) of other Constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 5
With	5 – 12
Modifiers	> 12

PLASTICITY DESCRIPTION

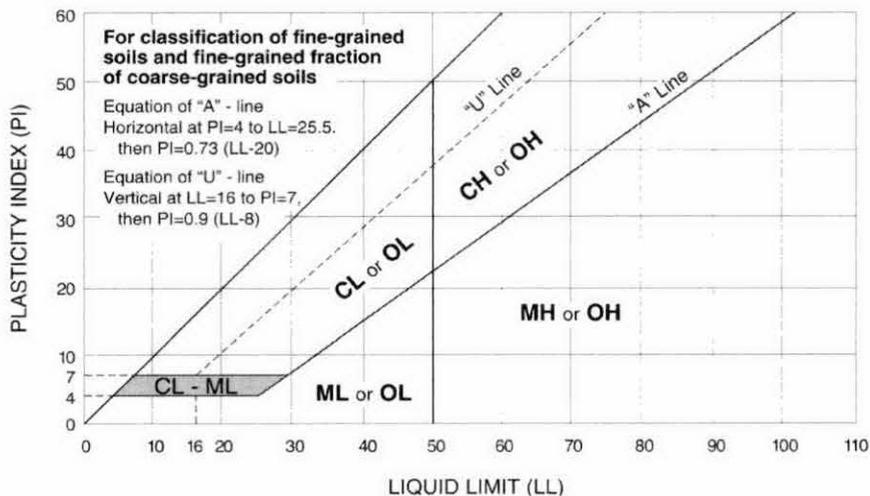
<u>Term</u>	<u>Plasticity Index</u>
Non-plastic	0
Low	1-10
Medium	11-30
High	30+

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil Classification		
				Group Symbol	Group Name ^B	
Coarse Grained Soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels: Less than 5% fines ^C	$Cu \geq 4$ and $1 \leq Cc \leq 3$ ^E $Cu < 4$ and/or $1 > Cc > 3$ ^E	GW	Well-graded gravel ^F	
		Gravels with Fines: More than 12% fines ^C	Fines classify as ML or MH Fines classify as CL or CH	GP	Poorly graded gravel ^F	
		Sands: 50% or more of coarse fraction passes No. 4 sieve	Clean Sands: Less than 5% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3$ ^E $Cu < 6$ and/or $1 > Cc > 3$ ^E	GM	Silty gravel ^{F,G,H}
		Sands with Fines: More than 12% fines ^D	Fines classify as ML or MH Fines classify as CL or CH	GC	Clayey gravel ^{F,G,H}	
	Fine-Grained Soils: 50% or more passes the No. 200 sieve	Silts and Clays: Liquid limit less than 50	Inorganic: $PI > 7$ and plots on or above "A" line ^J $PI < 4$ or plots below "A" line ^J	SW	Well-graded sand ^I	
			Organic: Liquid limit - oven dried Liquid limit - not dried	< 0.75	SP	Poorly graded sand ^I
		Silts and Clays: Liquid limit 50 or more	Inorganic: PI plots on or above "A" line PI plots below "A" line	Fines classify as ML or MH Fines classify as CL or CH	SM	Silty sand ^{G,H,I}
			Organic: Liquid limit - oven dried Liquid limit - not dried	< 0.75	SC	Clayey sand ^{G,H,I}
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		CL	Lean clay ^{K,L,M}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		ML	Silt ^{K,L,M}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		OL	Organic clay ^{K,L,M,N}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		OH	Organic silt ^{K,L,M,O}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		CH	Fat clay ^{K,L,M}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		MH	Elastic Silt ^{K,L,M}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		OH	Organic clay ^{K,L,M,P}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		OH	Organic silt ^{K,L,M,Q}	
Highly organic soils:		Primarily organic matter, dark in color, and organic odor		PT	Peat	

- ^A Based on the material passing the 3-in. (75-mm) sieve
- ^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
- ^C Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.
- ^D Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay
- ^E $Cu = D_{60}/D_{10}$ $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
- ^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.
- ^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

- ^H If fines are organic, add "with organic fines" to group name.
- ^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.
- ^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.
- ^K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.
- ^L If soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.
- ^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.
- ^N $PI \geq 4$ and plots on or above "A" line.
- ^O $PI < 4$ or plots below "A" line.
- ^P PI plots on or above "A" line.
- ^Q PI plots below "A" line.



GENERAL NOTES

Description of Rock Properties

WEATHERING

Fresh	Rock fresh, crystals bright, few joints may show slight staining. Rock rings under hammer if crystalline.
Very slight	Rock generally fresh, joints stained, some joints may show thin clay coatings, crystals in broken face show bright. Rock rings under hammer if crystalline.
Slight	Rock generally fresh, joints stained, and discoloration extends into rock up to 1 in. Joints may contain clay. In granitoid rocks some occasional feldspar crystals are dull and discolored. Crystalline rocks ring under hammer.
Moderate	Significant portions of rock show discoloration and weathering effects. In granitoid rocks, most feldspars are dull and discolored; some show clayey. Rock has dull sound under hammer and shows significant loss of strength as compared with fresh rock.
Moderately severe	All rock except quartz discolored or stained. In granitoid rocks, all feldspars dull and discolored and majority show kaolinization. Rock shows severe loss of strength and can be excavated with geologist's pick.
Severe	All rock except quartz discolored or stained. Rock "fabric" clear and evident, but reduced in strength to strong soil. In granitoid rocks, all feldspars kaolinized to some extent. Some fragments of strong rock usually left.
Very severe	All rock except quartz discolored or stained. Rock "fabric" discernible, but mass effectively reduced to "soil" with only fragments of strong rock remaining.
Complete	Rock reduced to "soil". Rock "fabric" not discernible or discernible only in small, scattered locations. Quartz may be present as dikes or stringers.

HARDNESS (for engineering description of rock – not to be confused with Moh's scale for minerals)

Very hard	Cannot be scratched with knife or sharp pick. Breaking of hand specimens requires several hard blows of geologist's pick.
Hard	Can be scratched with knife or pick only with difficulty. Hard blow of hammer required to detach hand specimen.
Moderately hard	Can be scratched with knife or pick. Gouges or grooves to ¼ in. deep can be excavated by hard blow of point of a geologist's pick. Hand specimens can be detached by moderate blow.
Medium	Can be grooved or gouged 1/16 in. deep by firm pressure on knife or pick point. Can be excavated in small chips to pieces about 1-in. maximum size by hard blows of the point of a geologist's pick.
Soft	Can be gouged or grooved readily with knife or pick point. Can be excavated in chips to pieces several inches in size by moderate blows of a pick point. Small thin pieces can be broken by finger pressure.
Very soft	Can be carved with knife. Can be excavated readily with point of pick. Pieces 1-in. or more in thickness can be broken with finger pressure. Can be scratched readily by fingernail.

Joint, Bedding, and Foliation Spacing in Rock ^a

Spacing	Joints	Bedding/Foliation
Less than 2 in.	Very close	Very thin
2 in. – 1 ft.	Close	Thin
1 ft. – 3 ft.	Moderately close	Medium
3 ft. – 10 ft.	Wide	Thick
More than 10 ft.	Very wide	Very thick

a. Spacing refers to the distance normal to the planes, of the described feature, which are parallel to each other or nearly so.

Rock Quality Designator (RQD) ^a		Joint Openness Descriptors	
RQD, as a percentage	Diagnostic description	Openness	Descriptor
Exceeding 90	Excellent	No Visible Separation	Tight
90 – 75	Good	Less than 1/32 in.	Slightly Open
75 – 50	Fair	1/32 to 1/8 in.	Moderately Open
50 – 25	Poor	1/8 to 3/8 in.	Open
Less than 25	Very poor	3/8 in. to 0.1 ft.	Moderately Wide
		Greater than 0.1 ft.	Wide

a. RQD (given as a percentage) = length of core in pieces 4 in. and longer/length of run.

References: American Society of Civil Engineers. Manuals and Reports on Engineering Practice - No. 56. Subsurface Investigation for Design and Construction of Foundations of Buildings. New York: American Society of Civil Engineers, 1976.
 U.S. Department of the Interior, Bureau of Reclamation, Engineering Geology Field Manual.

Reduced Copy

SITE: WKU Lease Boundary and Topographic Survey Bowling Green, Kentucky

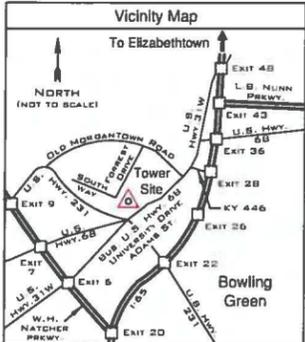
Basis of Bearings
THE BEARING SYSTEM OF THIS SURVEY IS BASED UPON G.P.S. OBSERVATIONS MADE ON MAY 20, 2015 USING THE NATIONAL GEODETIC SURVEY MONUMENT 'KY 03' AND THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011).

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HORIZONTAL DATUM: NAD 83 (2011)
LATITUDE: 36°59'12.47" NORTH
LONGITUDE: 86°27'32.72" WEST
VERTICAL DATUM: NAVD 88
GROUND ELEVATION: 509.8 FEET (155.39 M)
STATE PLANE COORDINATES
NORTHING: 1,879,110.88 FEET
(572,754.142 METERS)
EASTING: 1,433,207.34 FEET
(436,874.80 METERS)

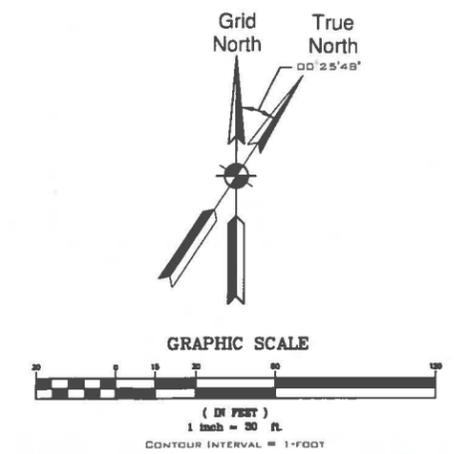
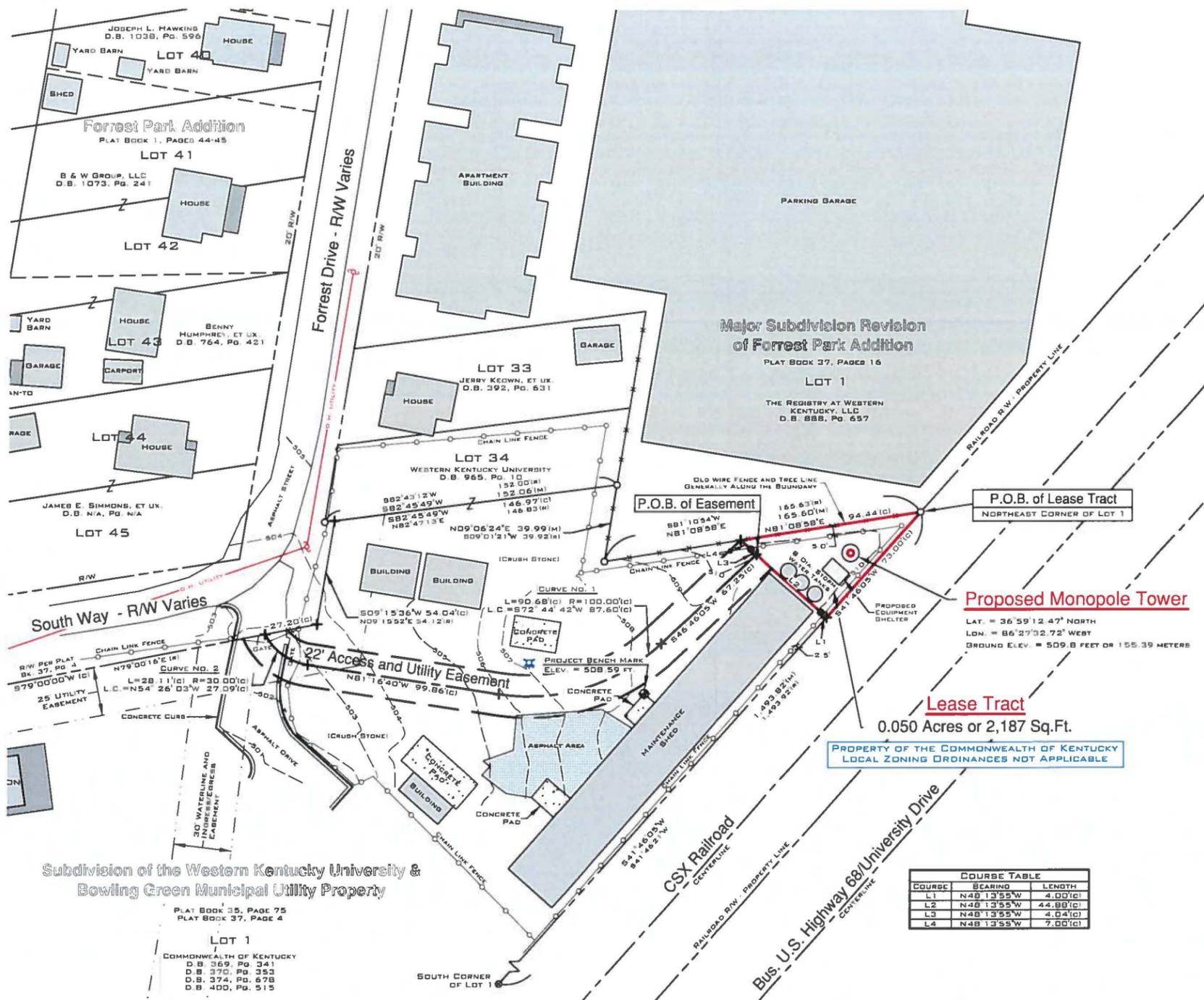
Landowner Information
LANDOWNER: COMMONWEALTH OF KENTUCKY
50 WESTERN KENTUCKY UNIVERSITY, RESOURCES MANAGEMENT, POTTER HALL 432
ADDRESS: 1906 COLLEGE HEIGHTS BLVD. BOWLING GREEN, KY 42101
PHONE: 270-745-3253
PVA MAP NO.: 040A-02-120

Project Bench Mark
NORTHING: 1,879,038 FEET (572,732 M)
EASTING: 1,433,207 FEET (436,842 M)
ELEVATION: 508.59 FEET (155.019 M)
DESCRIPTION: THE NORTH CORNER OF THE CONCRETE APRON IN THE MIDDLE OF THE NORTHWEST SIDE OF THE MAINTENANCE SHED OF WESTERN KENTUCKY UNIVERSITY. THE CORNER IS LOCATED APPROXIMATELY 130 FEET SOUTHWEST OF THE CENTER OF THE TOWER.

Flood Plain Statement
ACCORDING TO THE FLOOD INSURANCE RATE MAP FOR WARREN COUNTY, KENTUCKY AND INCORPORATED AREAS, MAP NO. 2122700302E, DATED MAY 2, 2007, THE SUBJECT SITE LIES WITHIN "OTHER AREAS - ZONE X", WHICH IS DEFINED AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN".



Directions to Site
FROM ELIZABETHTOWN, KENTUCKY: TAKE I-65 SOUTH FOR 5.5 MILES TO EXIT 28 ON THE NORTHEAST SIDE OF BOWLING GREEN; TAKE THE EXIT AND TRAVEL SOUTHEAST ONTO KENTUCKY HIGHWAY 446 - FOLLOWING THE SIGN TO MERGE ONTO U.S. HIGHWAY 31W SOUTH AND U.S. HIGHWAY 68 WEST - CONTINUE SOUTHWESTERLY ALONG SAID HIGHWAYS FOR 4.2 MILES TO THE INTERSECTION OF VETERANS MEMORIAL LANE; CONTINUE THROUGH THE INTERSECTION - TURN RIGHT ONTO BUSINESS U.S. HIGHWAY 68/UNIVERSITY DRIVE ADAMS STREET - CONTINUE SOUTHERLY ALONG SAID ADAMS STREET FOR 1.2 MILES TO THE INTERSECTION OF OLD MORGANTOWN ROAD; TURN RIGHT ONTO OLD MORGANTOWN ROAD AND TRAVEL WESTERLY FOR 0.2 MILES TO FORREST DRIVE, TURN LEFT ONTO FORREST DRIVE AND TRAVEL SOUTHERLY FOR 0.2 MILES TO A CURVE IN THE STREET AND SOUTH WAY; CONTINUE SOUTHERLY FOR 1.00 FEET, LEAVING THE STREET AND PASSING THROUGH TWO GATES AND INTO A WESTERN KENTUCKY UNIVERSITY MAINTENANCE FACILITY THAT LIES NEAR THE UNIVERSITY'S TRACK AND FIELD VENUE; TRAVEL NORTHEASTERLY THROUGH THE FACILITY FOR 300 FEET TO THE TOWER SITE ON THE NORTHEAST END OF A LARGE MAINTENANCE SHED.



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COURSE TABLE

COURSE	BEARING	LENGTH
L1	N48°13'55"W	4.00(c)
L2	N48°13'55"W	44.88(c)
L3	N48°13'55"W	4.04(c)
L4	N48°13'55"W	7.00(c)

Surveyor's Certification
I HEREBY CERTIFY THAT THIS PLAN HAS BEEN COMPILED FROM A SURVEY ACTUALLY MADE UPON THE GROUND UNDER MY DIRECT SUPERVISION ON OCTOBER 1, 2015 BY THE METHOD OF RANDOM TRAVERSE WITH SIGHTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE WAS 1:55,100 AND IT WAS NOT ADJUSTED. THIS PLAN REPRESENTS A URBAN BOUNDARY SURVEY AND COMPLIES WITH THE REQUIREMENTS OF 201 KAR 18:150.



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 - UTILITY POLE
 - WATER HYDRANT
 - UTILITY AS NOTED
 - MEASURED COURSE
 - RECORD COURSE
 - CALCULATED COURSE

LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(812) 257-0950
Email: landmark97@topoglobal.net
Project No. 15-05-0130 © 2015



Lease Boundary Survey
303 South Way
Bowling Green, KY 42101

Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42701

REVISIONS	DATE

SHEET NO.
1
of 1 SHEETS
FILE NAME
wku.dwg

SITE: WKU
Lease Boundary and Topographic Survey
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 EASTING: 1,433,313.41 FEET (436,974.50 METERS)

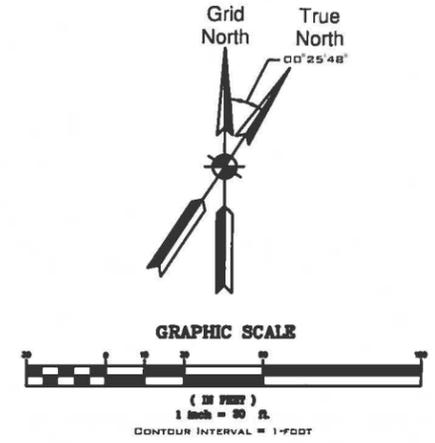
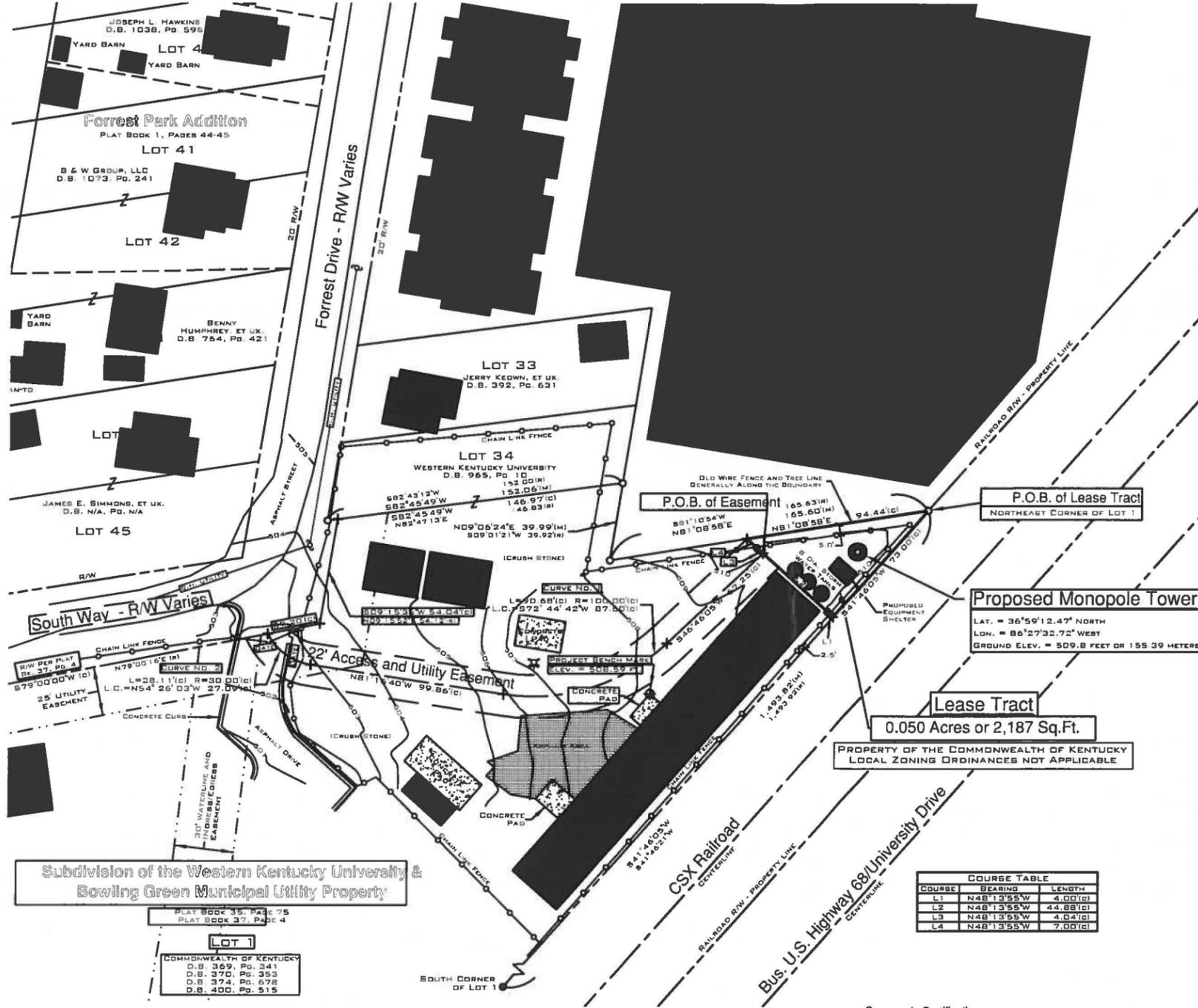
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 PVA MAP NO.: D40A-D2-120

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DARREN L. HELMS, P.L.S. 3386

DATE _____

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LANDMARK SURVEYING CO., INC.
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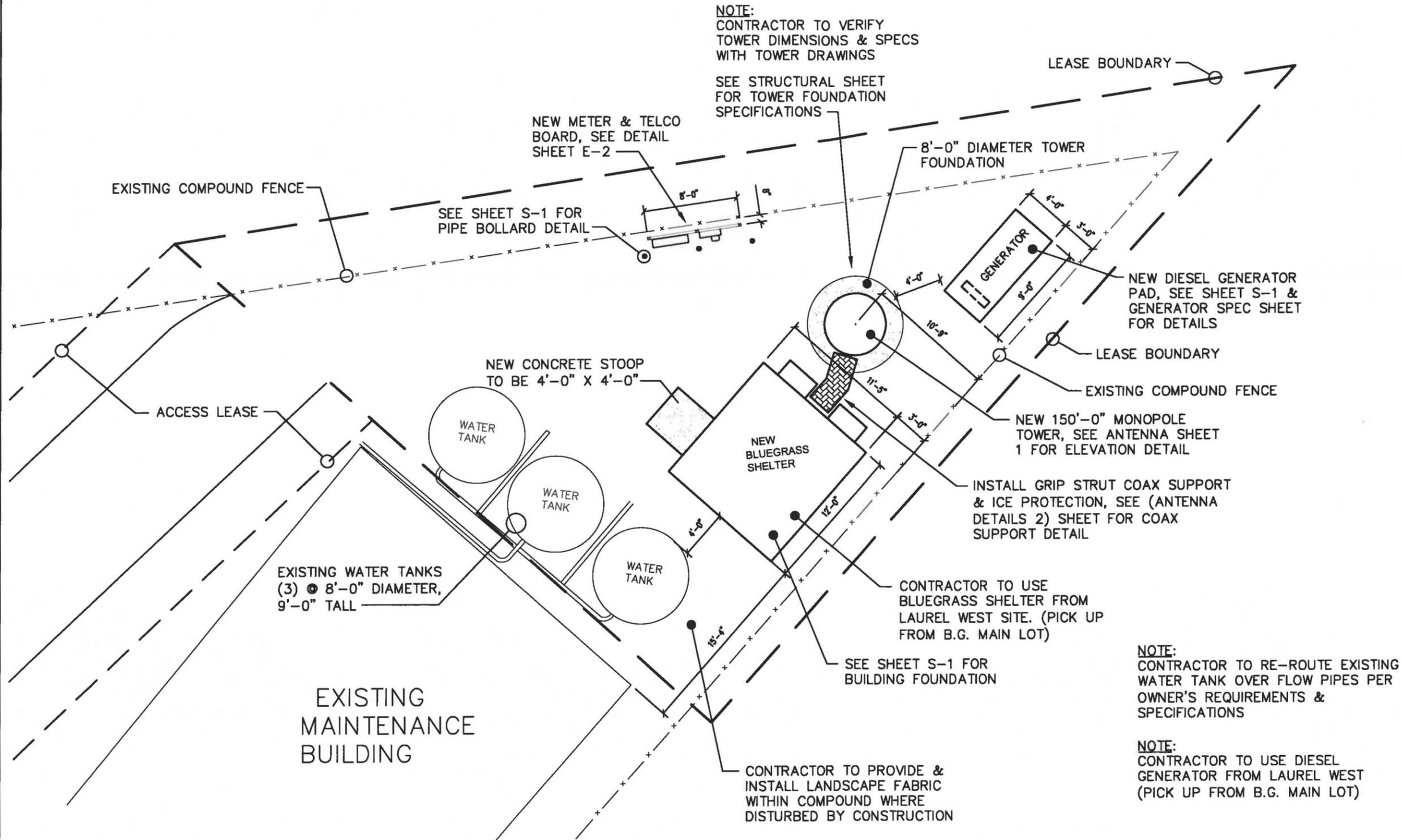
Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, KY 42701

REVISIONS	DATE

DATE: 10-22-15
 DRAWN BY: A. Winkler
 CHECKED BY: D. L. Helms

SHEET No. 1
 of 1 SHEETS

FILE NAME: wku.dwg



NOTE:
CONTRACTOR TO RE-ROUTE EXISTING WATER TANK OVER FLOW PIPES PER OWNER'S REQUIREMENTS & SPECIFICATIONS

NOTE:
CONTRACTOR TO USE DIESEL GENERATOR FROM LAUREL WEST (PICK UP FROM B.G. MAIN LOT)

SITE PLAN
SCALE: 1/8" = 1'-0"



NO.	DATE	REVISION

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WKU
303 SOUTH WAY BOWLING GREEN, KY. 42101

DRAWN BY: R. BECKER
ISSUE DATE: 8-17-15
SCALE: LISTED

SHEET NUMBER
A-1

ALL LINES AND ANTENNAS TO BE PROPERLY MOUNTED TO TOWER OR STRUCTURE PER BLUEGRASS CELLULAR SPECIFICATIONS.

ALL GROUND BARS TO BE INSTALLED AND CAD WELDED TO GROUND FIELD (WHERE REQUIRED)

ALL LINES TO BE GROUNDED AT THE TOP AND BASE OF STRUCTURE OR TOWER.

ALL LINES TO BE GROUNDED AT ENTRANCE OF SHELTER BEFORE WAVE GUIDE PORTS. (EXTERIOR OF BUILDING)

LINES ARE TO BE SECURED TO ICE BRIDGE

WAVE-GUIDE BOOTS ARE TO BE INSTALLED ON ALL LINES (BOTH INSIDE AND OUTSIDE)

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12" & INSTALL POLYPHASERS, PER INSTRUCTION OF PROJECT SUPERVISOR.

CONTRACTORS TO SUPPLY POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE & LUGS.

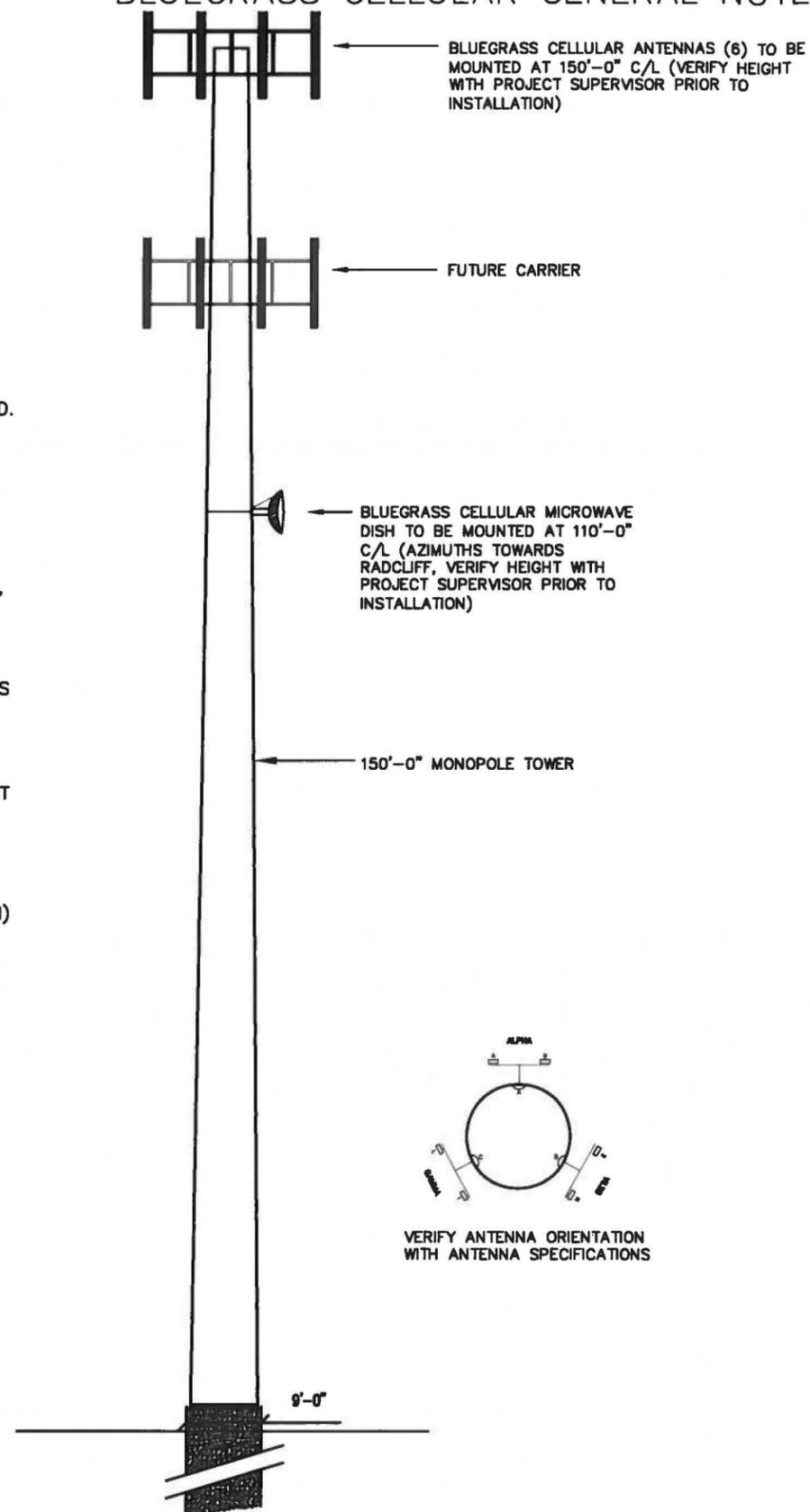
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



MONOPOLE TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

150'-0" MONOPOLE TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	LNX-6512DS VTM_04DT_0725	L=78.8 W=10.3 D=4.8	6	130°, 210°, 350°	150'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	TRI-SECTOR MOUNT		3
MOUNT (SECONDARY)			

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	ANDREW	1-5/8"	12
TRANSMISSION LINE (SECONDARY)			

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZMUTH	MOUNTING HEIGHT
DISH #1	3'-0" MICROWAVE DISH TOWARDS RADCLIFF		1	N/A	110'-0" C/L FIELD VERIFY
DISH #2					

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 4* ELECTRICAL, 0* MECHANICAL
- * ANTENNA FREQUENCY 880-890
- * MICROWAVE DISH AZIMUTHS TOWARDS RADCLIFF. VERIFY HEIGHT AND AZIMUTHS WITH PROJECT SUPERVISOR.

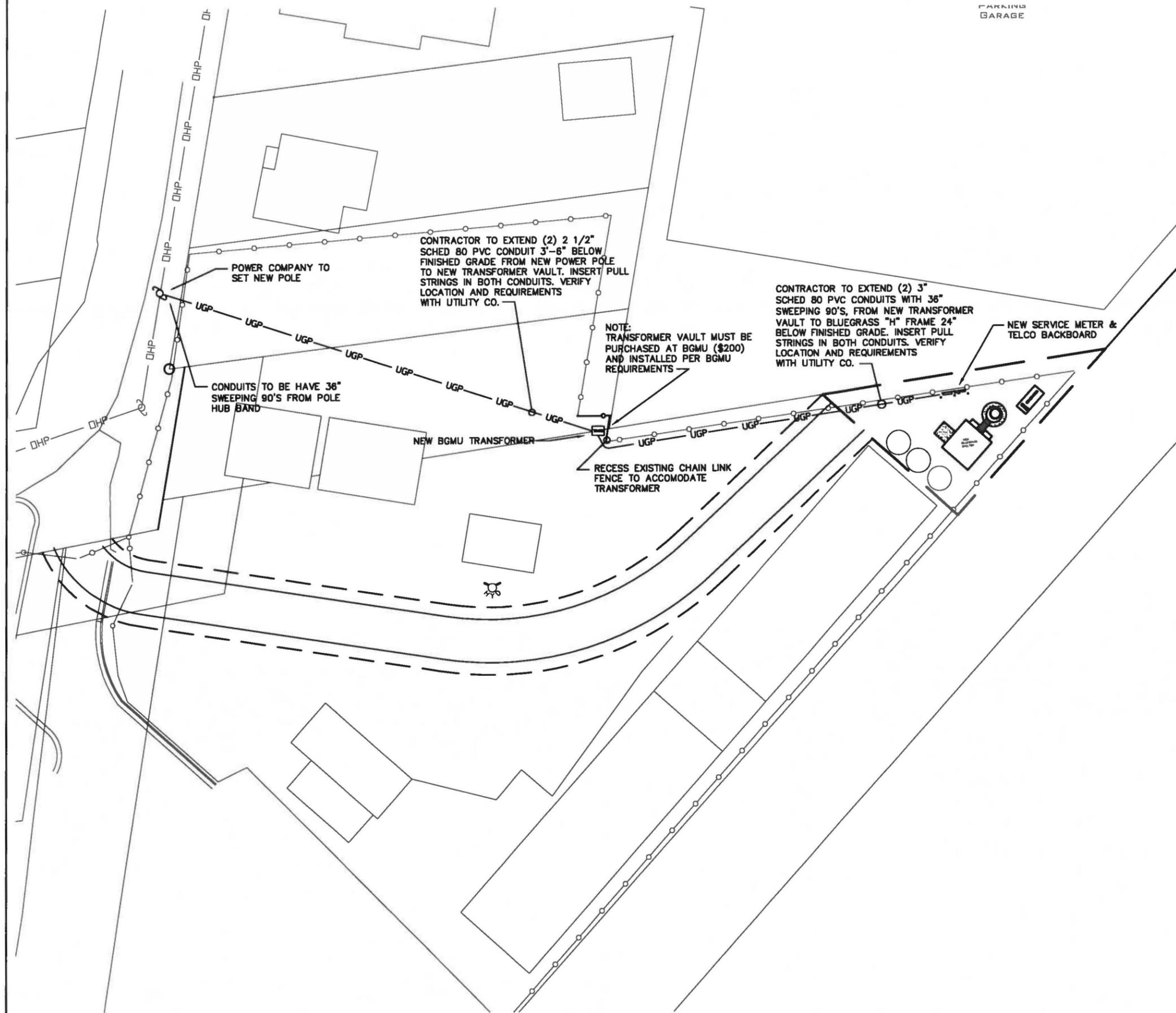


REVISION	DATE	NO.

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WKU
303 SOUTH WAY BOWLING GREEN, KY. 42101

DRAWN BY: R. BECKER
ISSUE DATE: 8-17-15
SCALE: LISTED

SHEET NUMBER
ANTENNA
DETAILS
1



- GENERAL ELECTRICAL NOTES:**
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
 - 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDING APPROXIMATELY 20'-0" O/C. (CAD WELD ALL CONNECTIONS)

- 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDING CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDING TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
- 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.
- 11) IF CONDUIT RUNS BURIED LESS THAN REQUIRED DEPTHS, CONTACT BLUEGRASS CELLULAR FOR FURTHER INSTRUCTIONS

NOTE:
 CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS. (TAKE PICTURES)

SYMBOLS LEGEND

—P—	POWER
—G—	GAS
—T—	TELEPHONE
—X—	FENCE
□	SWITCH (DISCONNECT)
⊞	METER PACK

SITE PLAN- ELECTRICAL
 SCALE: 1/32" = 1'-0"

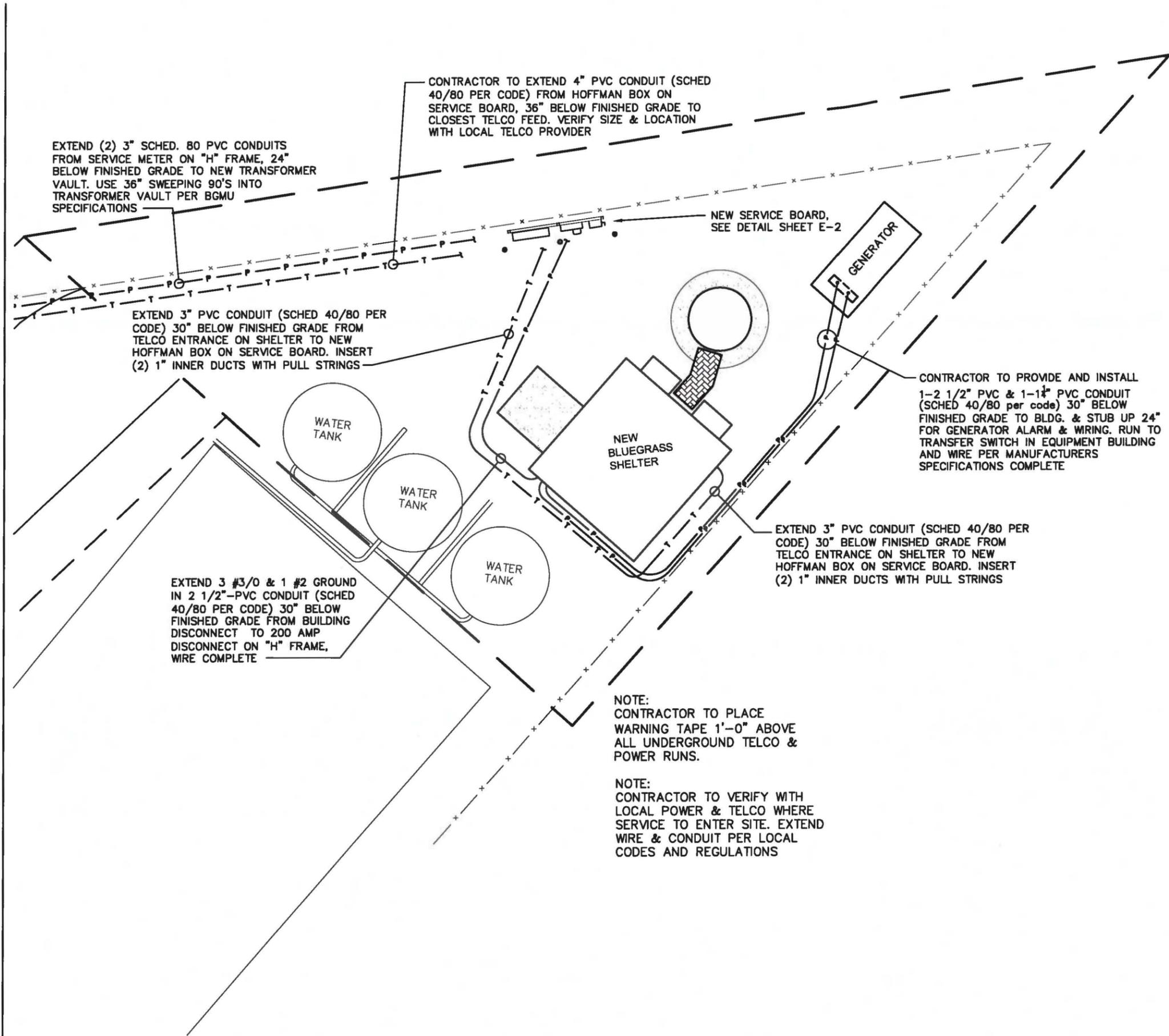


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STANDARD CELLULAR SITE
WKU
 303 SOUTH WAY BOWLING GREEN, KY. 42101

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SHEET NUMBER
F-0



EXTEND (2) 3" SCHED. 80 PVC CONDUITS FROM SERVICE METER ON "H" FRAME, 24" BELOW FINISHED GRADE TO NEW TRANSFORMER VAULT. USE 36" SWEEPING 90'S INTO TRANSFORMER VAULT PER BGMU SPECIFICATIONS

CONTRACTOR TO EXTEND 4" PVC CONDUIT (SCHED 40/80 PER CODE) FROM HOFFMAN BOX ON SERVICE BOARD, 36" BELOW FINISHED GRADE TO CLOSEST TELCO FEED. VERIFY SIZE & LOCATION WITH LOCAL TELCO PROVIDER

EXTEND 3" PVC CONDUIT (SCHED 40/80 PER CODE) 30" BELOW FINISHED GRADE FROM TELCO ENTRANCE ON SHELTER TO NEW HOFFMAN BOX ON SERVICE BOARD. INSERT (2) 1" INNER DUCTS WITH PULL STRINGS

NEW SERVICE BOARD, SEE DETAIL SHEET E-2

CONTRACTOR TO PROVIDE AND INSTALL 1-2 1/2" PVC & 1-1 1/2" PVC CONDUIT (SCHED 40/80 per code) 30" BELOW FINISHED GRADE TO BLDG. & STUB UP 24" FOR GENERATOR ALARM & WIRING. RUN TO TRANSFER SWITCH IN EQUIPMENT BUILDING AND WIRE PER MANUFACTURERS SPECIFICATIONS COMPLETE

EXTEND 3" PVC CONDUIT (SCHED 40/80 PER CODE) 30" BELOW FINISHED GRADE FROM TELCO ENTRANCE ON SHELTER TO NEW HOFFMAN BOX ON SERVICE BOARD. INSERT (2) 1" INNER DUCTS WITH PULL STRINGS

EXTEND 3 #3/0 & 1 #2 GROUND IN 2 1/2"-PVC CONDUIT (SCHED 40/80 PER CODE) 30" BELOW FINISHED GRADE FROM BUILDING DISCONNECT TO 200 AMP DISCONNECT ON "H" FRAME, WIRE COMPLETE

NOTE:
CONTRACTOR TO PLACE WARNING TAPE 1'-0" ABOVE ALL UNDERGROUND TELCO & POWER RUNS.

NOTE:
CONTRACTOR TO VERIFY WITH LOCAL POWER & TELCO WHERE SERVICE TO ENTER SITE. EXTEND WIRE & CONDUIT PER LOCAL CODES AND REGULATIONS

GENERAL ELECTRICAL NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
 - 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDING APPROXIMATELY 20'-0" O/C. (CAD WELD ALL CONNECTIONS)
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 - 6) CONTACT POINTS FOR GROUNDING TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
 - 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
 - 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
 - 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
 - 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.
 - 11) IF CONDUIT RUNS BURIED LESS THAN REQUIRED DEPTHS, CONTACT BLUEGRASS CELLULAR FOR FURTHER INSTRUCTIONS
- NOTE:**
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS. (TAKE PICTURES)

SYMBOLS LEGEND

—P—	POWER
—G—	GAS
—T—	TELEPHONE
—X—	FENCE
□	SWITCH (DISCONNECT)
⊞	METER PACK

SITE PLAN- ELECTRICAL

SCALE: 1/8" = 1'-0"

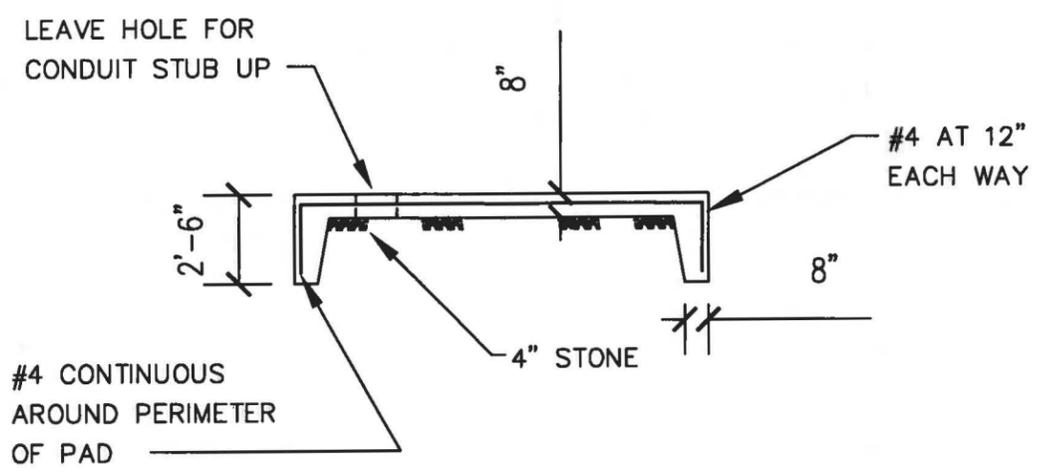
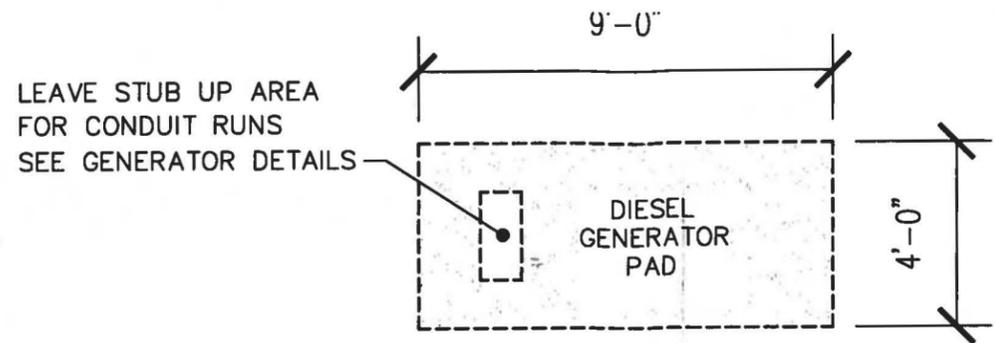


NO.	DATE	REVISION

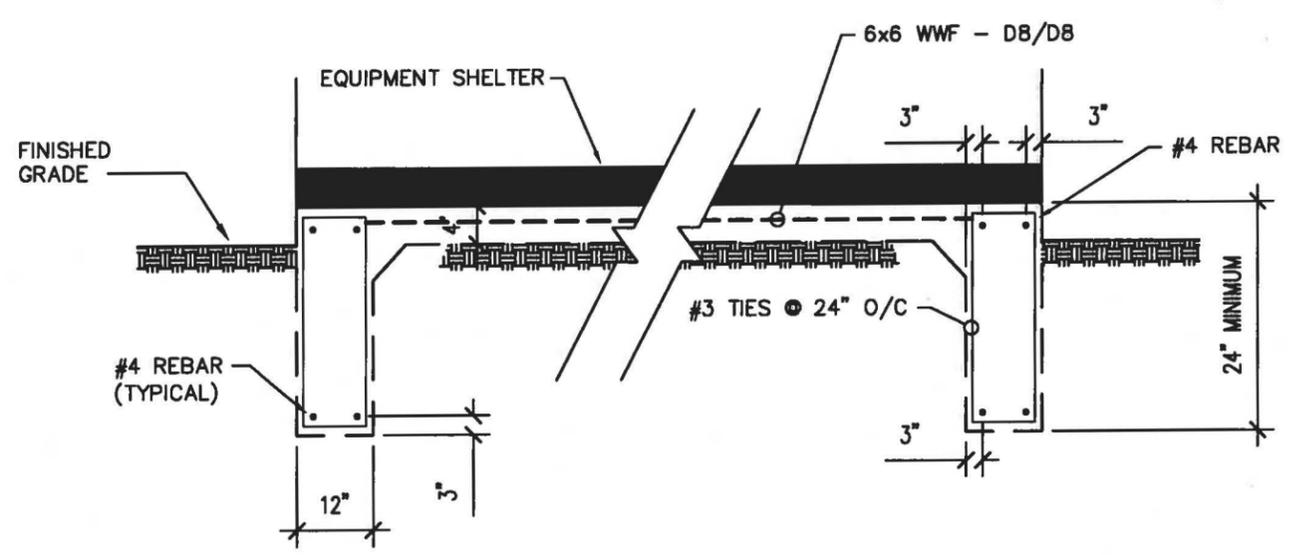
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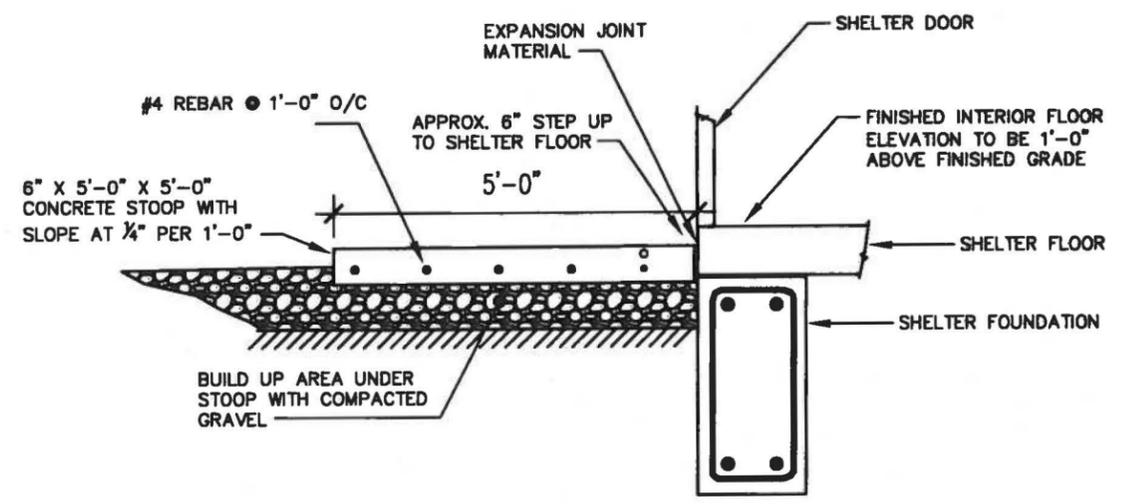
SHEET NUMBER
E-1



GENERATOR PAD DETAIL
NO SCALE



SHELTER FOUNDATION PLAN
NO SCALE



CONCRETE STOOP DETAIL
NO SCALE



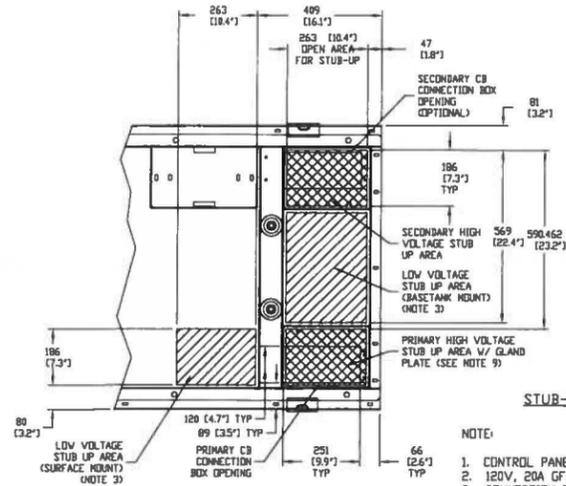
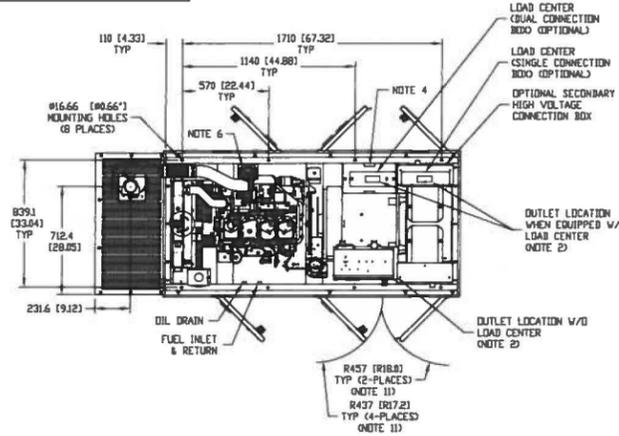
NO.	DATE	REVISION

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WKU
303 SOUTH WAY BOWLING GREEN, KY. 42101

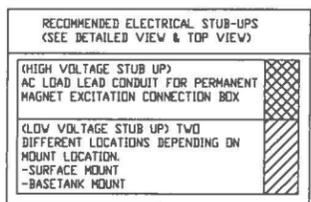
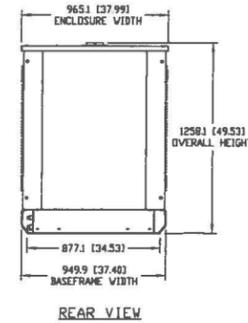
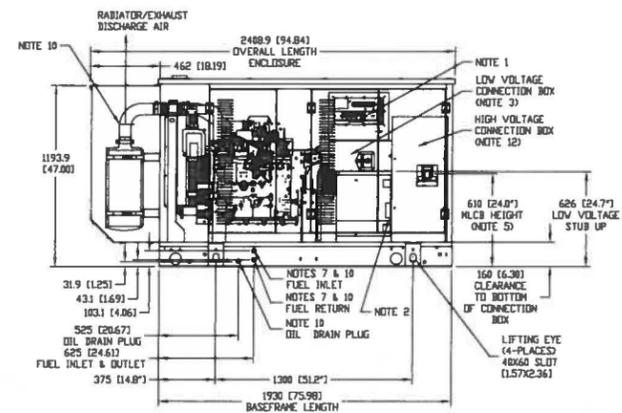
DRAWN BY: R. BECKER
ISSUE DATE: 8-17-15
SCALE: LISTED

SHEET NUMBER
S-1

0J4311A



- NOTE:
- CONTROL PANEL, (OPTIONAL BATTERY CHARGER INSIDE)
 - 120V, 20A GFCI & 250V, 15A OUTLET (OPTIONAL)
 - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB UP AREA)
 - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM)
 - MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS CONNECT DIRECTLY TO MLCB. (MLCB HEIGHT MAY VARY WITH CB SELECTION)
 - OPTIONAL BLOCK HEATER
 - FUEL LINES ARE PLUMBED TO FRAME FOR UNITS WITH NO BASE TANK. FUEL LINES ARE PLUMBED DIRECTLY TO BASE TANK WHEN SO EQUIPPED
 - CENTER OF GRAVITY AND WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS
 - IF GENSET IS TO BE INSTALLED ON A BASETANK REFER TO BASETANK INSTALL FOR MOUNTING FOOTPRINT AND STUB UP INFORMATION. **NOTE:** STUB UP AREA MAY NOT BE THE SAME FOR BOTH GENSET AND BASETANK.
 - ENGINE SERVICE CONNECTIONS:
FUEL INLET = 1/2" NPT COUPLING
FUEL RETURN = 1/2" NPT COUPLING
OIL DRAIN = 1/2" NPT COUPLING
EXHAUST OUTLET = 3" O.D. MUFFLER
 - DOORS MUST BE ABLE TO OPEN AT LEAST 90° TO BE REMOVED.
 - AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED
 - BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 - GENERATOR SET MUST BE INSTALLED SUCH THAT DISCHARGE AIR IS NOT RECIRCULATED.
 - CIRCUIT BREAKER
-AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
-REFER TO LUG SIZING CHART AVAILABLE ON GEN-CONNECT.

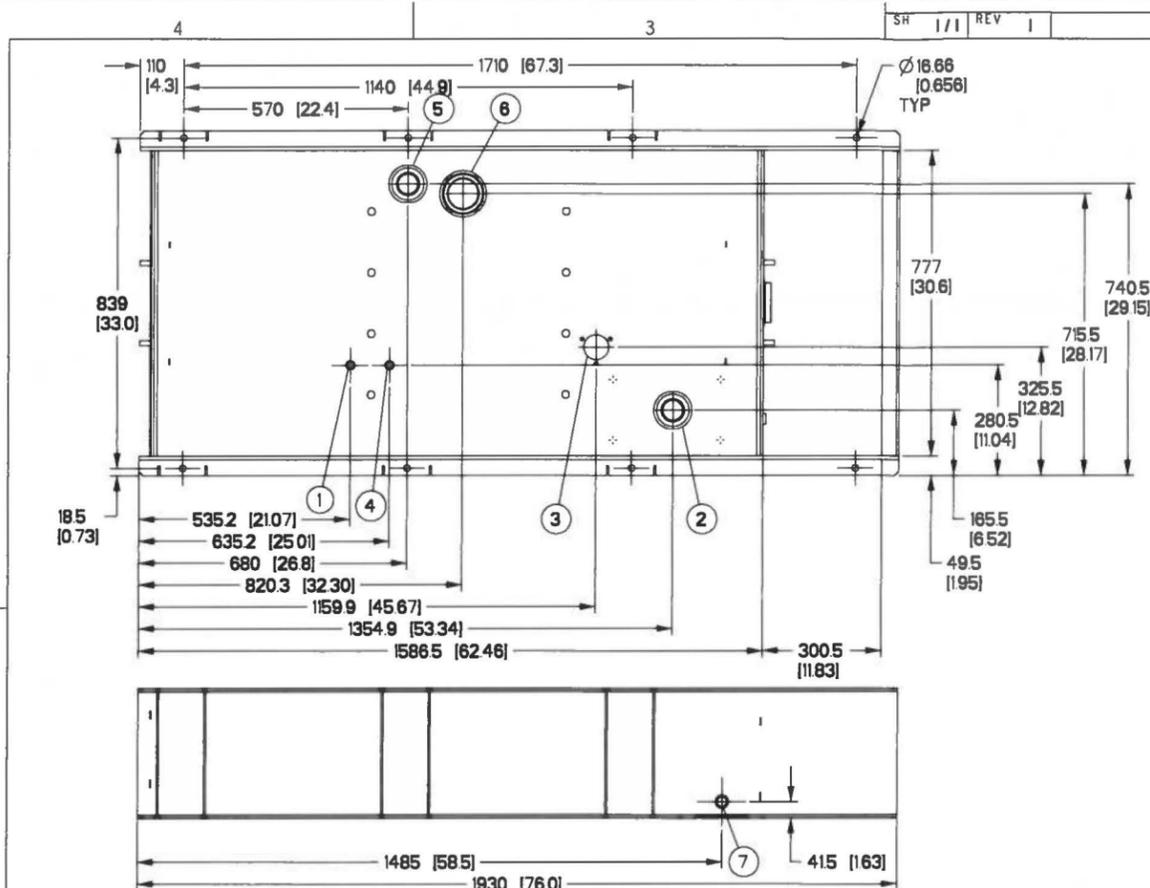


WEIGHT DATA
 OPEN SET: X.XXXKG (X.XXLBS)
 (SEE NOTE 8)
 ** PENDING WEIGHT AND CENTER OF GRAVITY **

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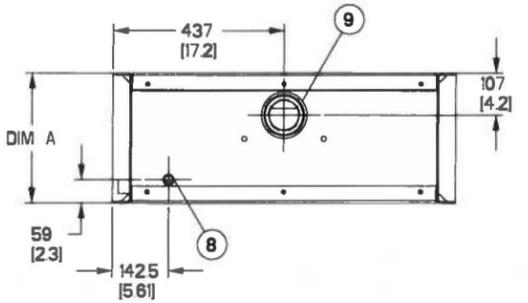
INSTALLATION DRAWING

SD035, SD040, SD050		GENERAC POWER SYSTEMS	
DIESEL 4.5L IVECO		Waukesha	
TURBOCHARGED		P.O. BOX 8	
WEATHER PROTECTED ENCLOSURE		WAUKESHA, WIS. 53187	
ISSUE DATE 2/17/11		FILE NAME	0J4311A.DWG
		SCALE	1-30
		FIRST USE	D4.5L IVECO
		DWG NO.	0J4311A
		SIZE	B
		REV	B



I/N	TANK FITTING	PROVIDING FUNCTION
1	3/8" NPT COUPLING	FUEL SUPPLY
2	2" NPT WELD FLANGE	FUEL FILL
3		ELEC. FUEL LEVEL
4	3/8" NPT COUPLING	FUEL RETURN
5	2" NPT WELD FLANGE	VENT
6	3" NPT WELD FLANGE	EMERGENCY VENT
7	3/4" NPT COUPLING	DRAIN
8	1/2" NPT HALF COUPLING	LEAK DETECTOR
9	3" NPT WELD FLANGE	OUTER TANK EMERGENCY VENT

CAPACITY SHOWN LITER [GALLONS]
 WEIGHT SHOWN KILOGRAMS [POUNDS]
 LENGTH SHOWN MM [INCH]
 UL #42 LISTED



TANK P/N	0H38440ST03	0H38450ST03	0H38460ST03
DIM 'A'	330 [13]	635 [25]	940 [37]
TOTAL CAPACITY	227 [60]	524 [138]	820 [217]
USABLE CAPACITY	204 [54]	501 [132]	799 [211]
DRY WEIGHT	218 [480]	322 [710]	417 [919]

DRAWING CREATED FROM PRO/ENGINEER
 3D FILE. ECO MODIFICATION TO BE
 APPLIED TO SOLID MODEL ONLY.

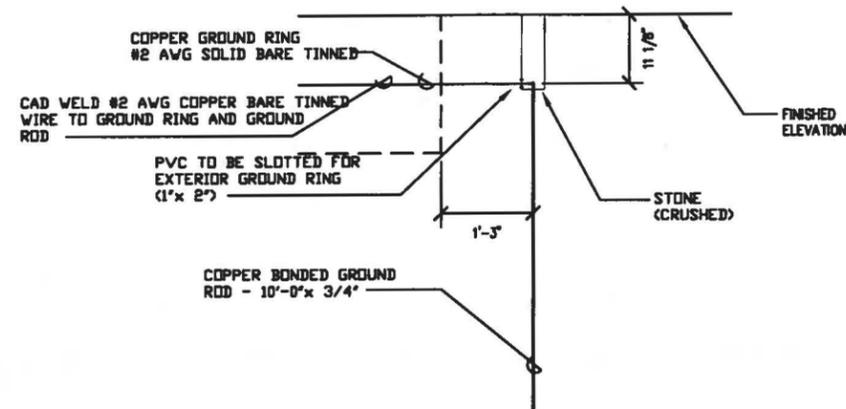
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GENERAC

TITLE
 INSTALL BASETANK A-GRP D4.5L

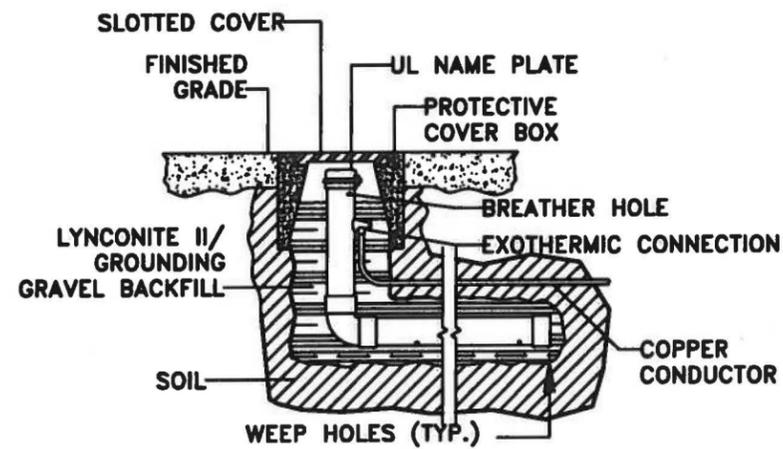
INSTALLATION DRAWING

ISSUE DATE:			
SIZE	CAGE NO	DWG NO	REV
B	N/A	0J4499	1
SCALE	0.090	WT-KG	0.00
		SHEET 1 of 1	



GROUND ROD DETAIL

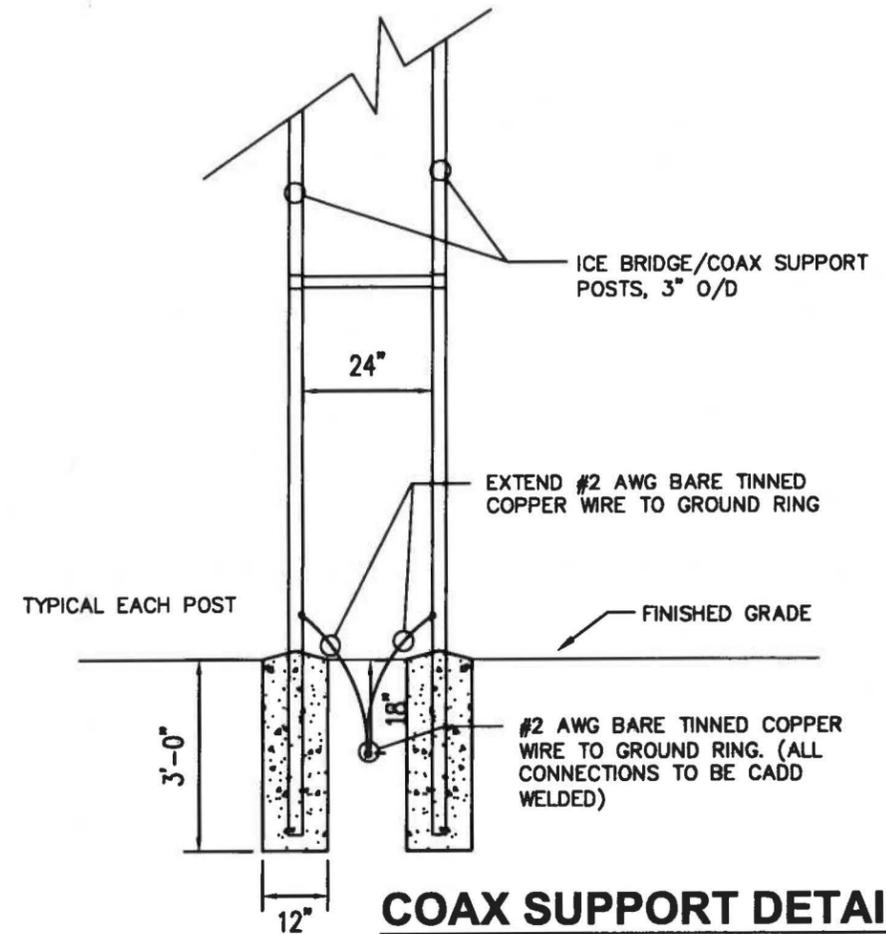
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L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

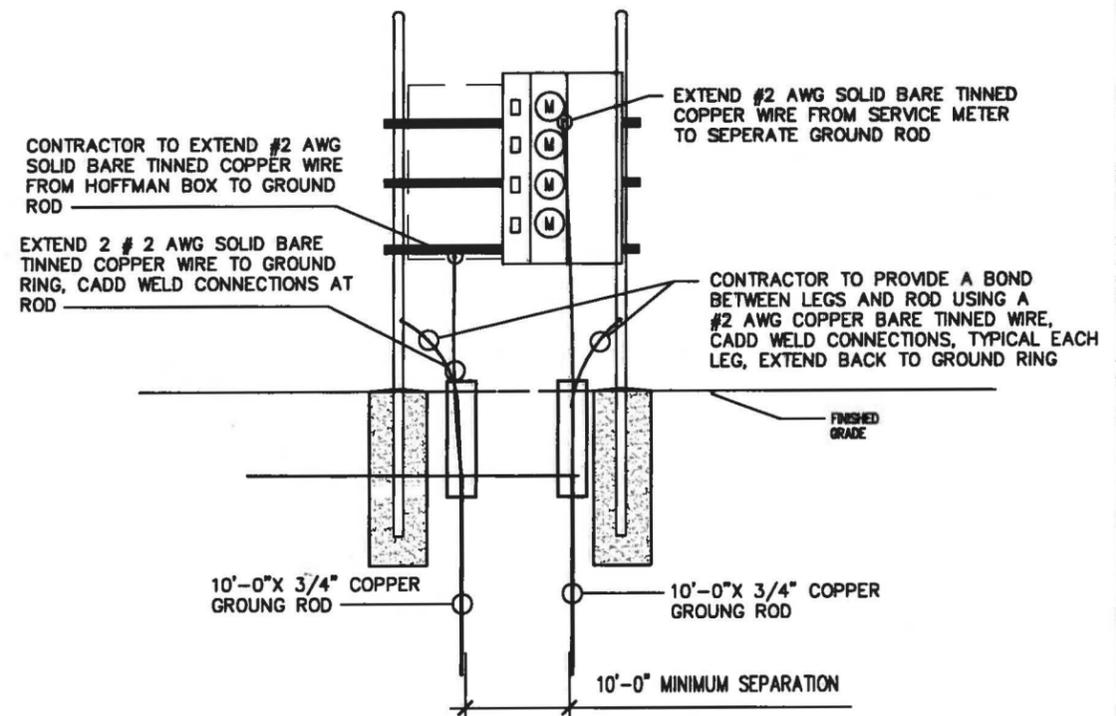
LYNCOLE XIT ROD DETAIL

NO SCALE



COAX SUPPORT DETAIL

NO SCALE



SERVICE BOARD DETAIL

NO SCALE



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WKU
303 SOUTH WAY BOWLING GREEN, KY. 42101

DRAWN BY: R. BECKER
ISSUE DATE: 8-17-15
SCALE: LISTED

SHEET NUMBER
E-4

GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS INCURRED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.
- 5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
- 7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.
- 8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.
- 9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.
- 10) CONTRACTOR, ANY CONTRACTOR EMPLOYEES OR REPRESENTATIVES, OR SUB-CONTRACTOR, ANY SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL CONFORM TO ALL LAWS AND REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO, ALL OCCUPATIONAL SAFETY AND HEALTH ACT ("OSHA") STATUTES AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTOR.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
- 12) THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK NECESSARY TO REPAIR DAMAGED AREAS.
- 13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.
- 14) CONTRACTOR'S RESPONSIBILITIES REGARDING BUILD OUT ON FIBREBOND EQUIPMENT SHELTERS TO INCLUDE:
 - * INSTALLING THE DOOR CANOPY & BOND TO DOOR FRAME
 - * INSTALLING EXTERIOR LIGHT ON WALL DETERMINED BY PROJECT SUPERVISOR AND PHOTOCCELL REQUIREMENTS
 - * INSTALLING INTRUDER ALARMS
 - * CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
 - * ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
 - * INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
 - * INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
 - * CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
 - * INSTALL GUTTER SYSTEM
 - * CHECK OPERATION OF ENVIRONMENTAL CONTROLS AND HVAC UNITS
 - * INSTALL AND PAINT SHELTER TIE-DOWNS TO MATCH
- 15) INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- 16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

- 17) GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.
- 18) GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- 19) GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- 20) GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.
- 21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP. PREFERRED SUPPLIERS ARE EMPIRE & AMERIGAS
- 22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.
- 23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- 24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- 25) GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-8315
- 26) GC TO LABEL BLUEGRASS CELLULAR METER WITH NAME PLATE ON METER BACKBOARD.
- 27) GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- 28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- 29) GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.
- 30) GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.
- 31) GC WILL BE RESPONSIBLE FOR HAVING A CERTIFIED ELECTRICIAN HOOK UP THE BATTERIES (IMMEDIATELY) AFTER POWER HAS BEEN TURNED UP AT THE SITE, PREVENTING THE DELAY OF ANY WORK FOR OPERATIONS. THE GENERAL CONTRACTOR MUST NOTIFY THE PROJECT SUPERVISOR IMMEDIATELY AT THIS TIME SO HE CAN COORDINATE A CELL TECH TO BE ONSITE WHEN THIS OCCURS.
- 32) GC WILL BE RESPONSIBLE FOR RUNNING (CATS) FROM THE GENERATOR ALARM PANEL MOUNTED ON THE SIDE OF THE TRANSFER SWITCH (BY THE CONTRACTOR), THROUGH THE TRANSFER SWITCH AND UP TO THE EXISTING CONDUIT BESIDE THE A/C POWER FAIL RELAY. THE (CATS) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CATS) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.
- 33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).
- 34) GC MUST DISPLAY FCC TOWER REGISTRATION NUMBER AND EMERGENCY PHONE NUMBERS ON 3'-0" X 4'-0" MINIMUM WOODEN BACKBOARD SOMEWHERE ON SITE LOCATION PRIOR TO BREAKING GROUND.

GRADING & EXCAVATING NOTES:

- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 2) PREPARATION FOR FILL: REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 3) BACK FILLING:
 - EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
 - SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
 - SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.
- 4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
- 7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- 10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)
- 11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

"CALL BEFORE YOU DIG"

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 811 IN KENTUCKY, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. ALL NEW SERVICE AND GROUNDING TRENCHES PROVIDE A WARNING TAPE @ 12 INCHES BELOW GRADE.

SYMBOLS LEGEND

- | | |
|--|---------------------------|
| | KEYNOTE |
| | INSPEC. SLEEVE / GRND ROD |
| | INSPECTION SLEEVE |
| | CAD WELD CONNECTION |
| | TRANSFORMER |
| | LIGHTNING SUPPRESSOR |
| | SWITCH (DISCONNECT) |
| | METER PACK |
| | POWER |
| | GAS LINE |
| | WATER LINE |
| | SANITARY SEWER |
| | TELEPHONE |
| | STORM SEWER DRAIN |
| | FENCE |

mbddealgn1@bellsoth.net (502)599-9427

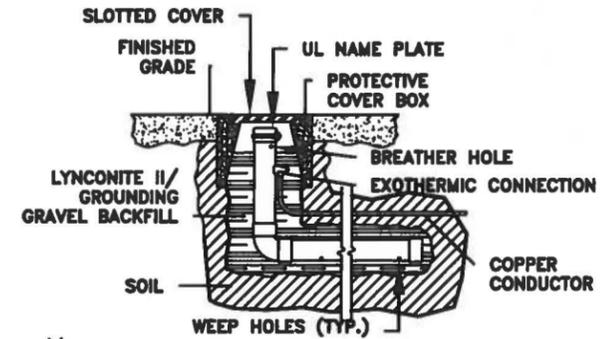
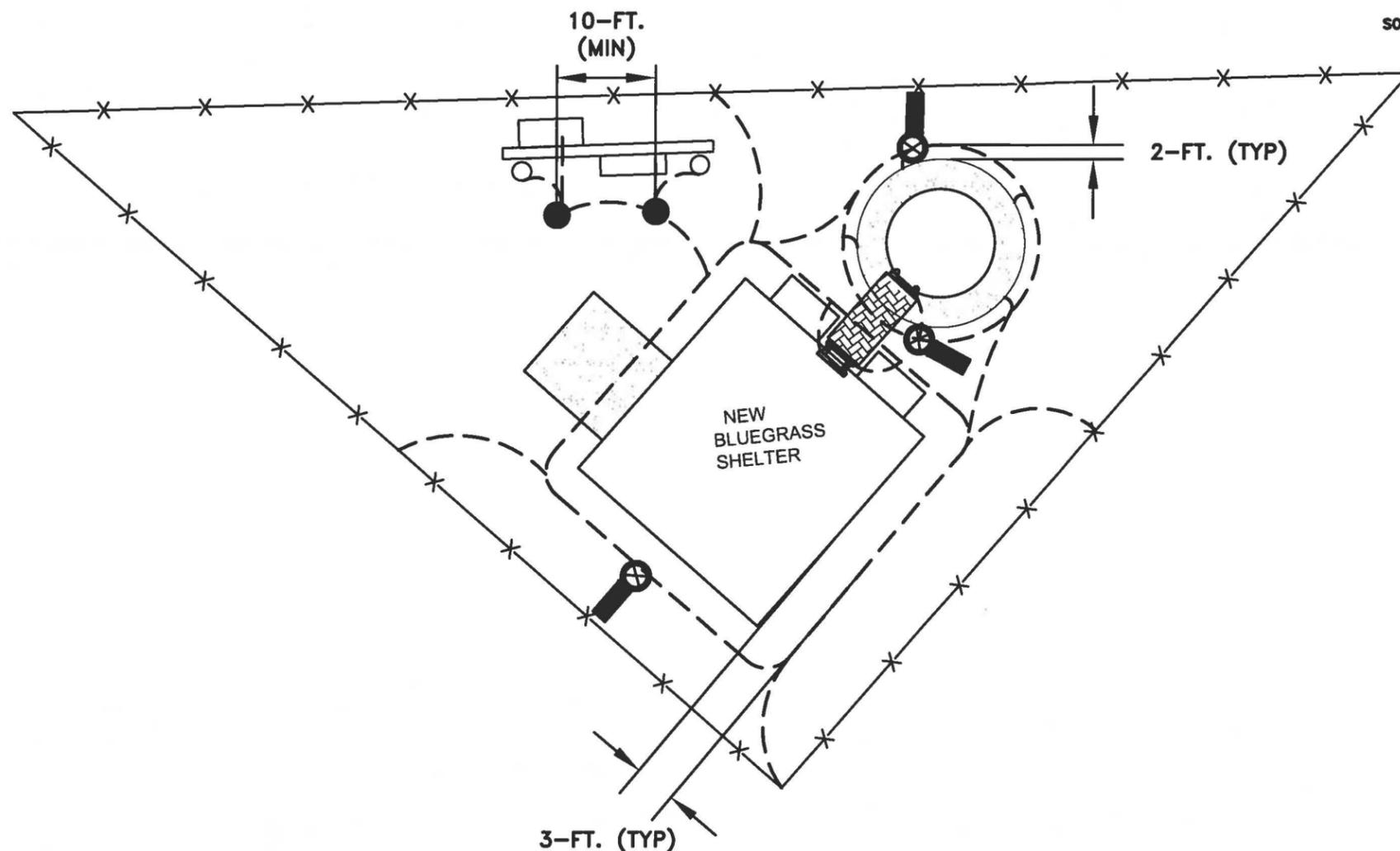
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE

WKU

303 SOUTH WAY BOWLING GREEN, KY. 42101

NO.	DATE	REVISION

DRAWN BY: R. BECKER	ISSUE DATE: 8-17-15	SCALE: LISTED
SHEET NUMBER		
General Notes		



L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

DETAIL

NOTES:

— X — FENCE LINE

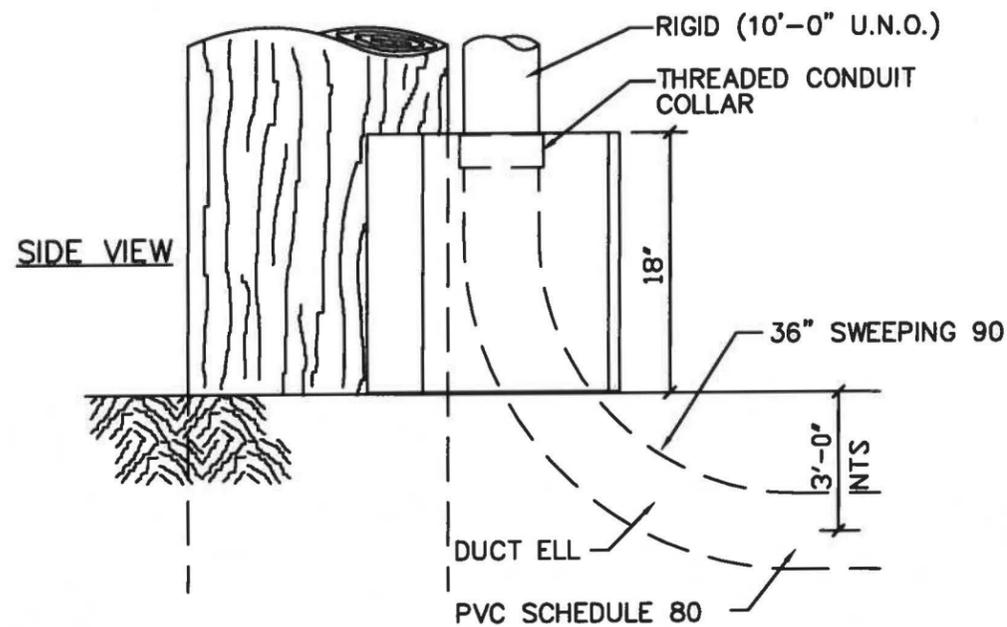
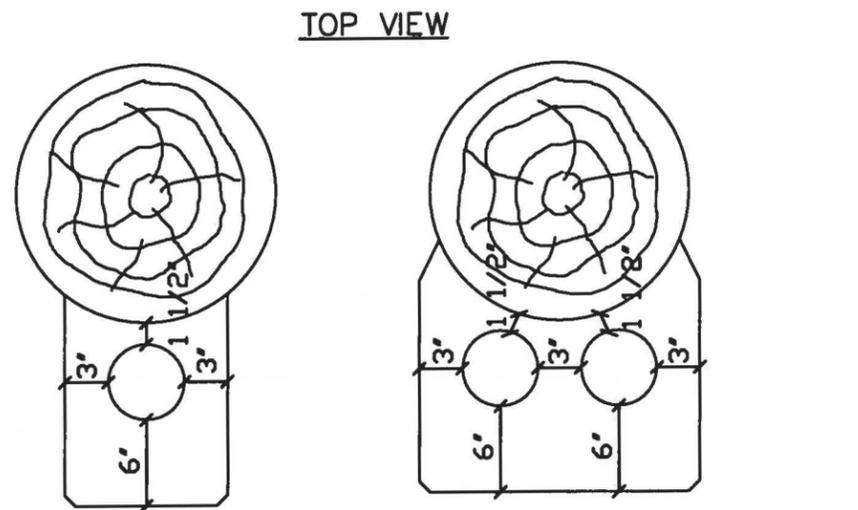
----- BARE #2 AWG SOLID TINNED COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE

ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER

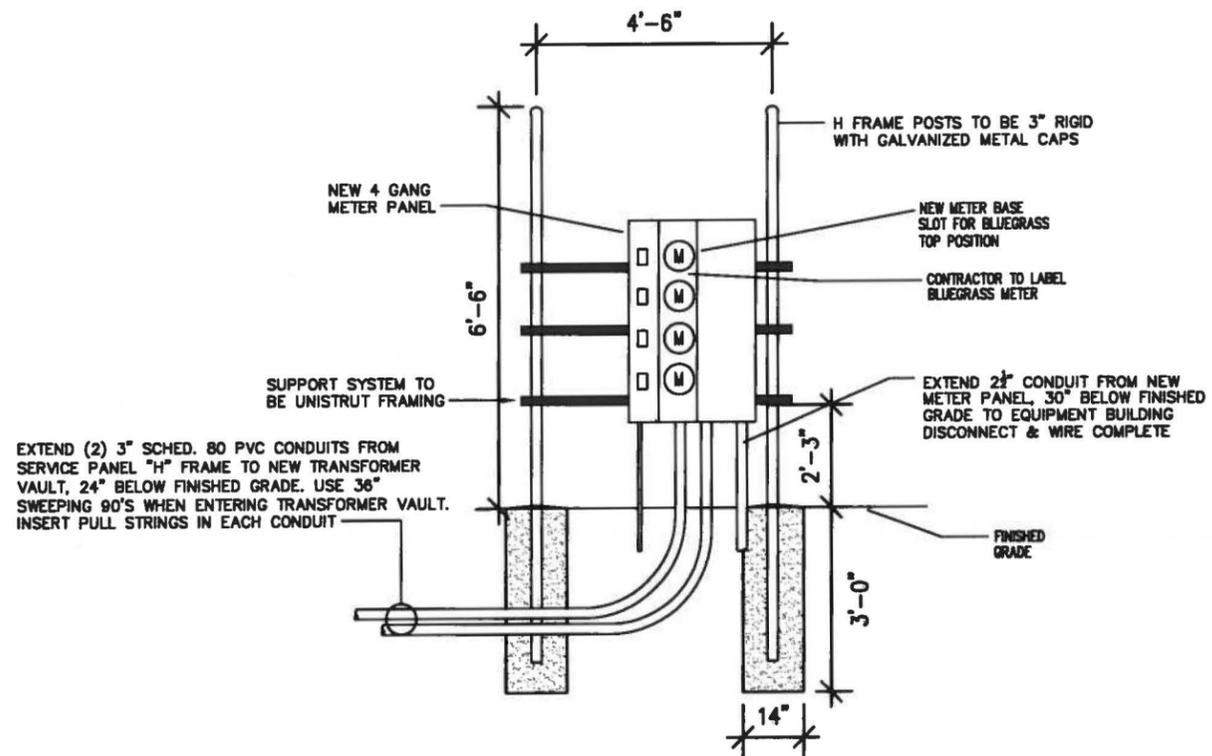
● 10-FT. X 3/4-IN. DRIVEN GROUND ROD

⊗ K2L-10CS-24 (SEE DETAIL)

		CLIENT / END USER	
		RSB DESIGN / BLUEGRASS CELLULAR	
DRAWING	PROJECT NAME		
1	WKU		
TITLE			
GROUNDING OPTION			
LOCATION: CITY, STATE		CALCULATED RESISTANCE	
BOWLING GREEN, KY		< 5 OHMS	
DRAWN BY	APPROVED BY	DATE	
RFW		11/04/2015	
SOIL DATA PROVIDED BY		REFERENCE NUMBER	SCALE
TERRACON		N/A	NONE
		LTS NUMBER	
			150137



HUB-BAND DETAIL
NO SCALE



SERVICE BOARD DETAIL
NO SCALE

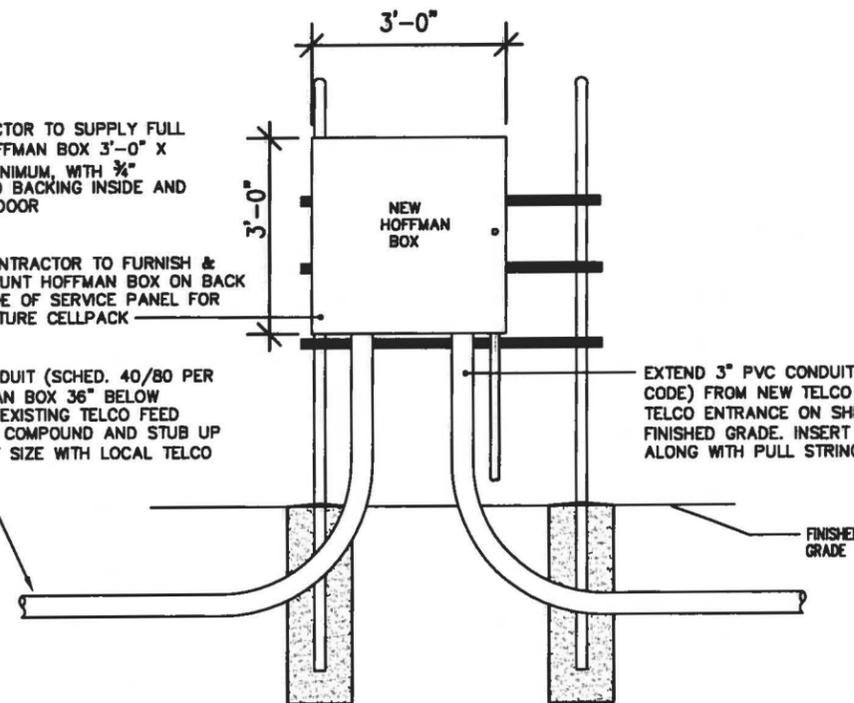
EXTEND (2) 3" SCHED. 80 PVC CONDUITS FROM SERVICE PANEL "H" FRAME TO NEW TRANSFORMER VAULT, 24" BELOW FINISHED GRADE. USE 36" SWEEPING 90'S WHEN ENTERING TRANSFORMER VAULT. INSERT PULL STRINGS IN EACH CONDUIT

NOTE:
CONTRACTOR TO SUPPLY FULL SIZE HOFFMAN BOX 3'-0" X 3'-0" MINIMUM, WITH 3/8" PLYWOOD BACKING INSIDE AND HINGED DOOR

CONTRACTOR TO FURNISH & MOUNT HOFFMAN BOX ON BACK SIDE OF SERVICE PANEL FOR FUTURE CELLPACK

EXTEND 4" PVC CONDUIT (SCHED. 40/80 PER CODE) FROM HOFFMAN BOX 36" BELOW FINISHED GRADE TO EXISTING TELCO FEED OUTSIDE OF FENCED COMPOUND AND STUB UP 12". VERIFY CONDUIT SIZE WITH LOCAL TELCO COMPANY

EXTEND 3" PVC CONDUIT (SCHED. 40/80 PER CODE) FROM NEW TELCO HOFFMAN BOX TO TELCO ENTRANCE ON SHELTER 30" BELOW FINISHED GRADE. INSERT (2) 1" INNER DUCTS ALONG WITH PULL STRINGS



BACKBOARD DETAIL
NO SCALE

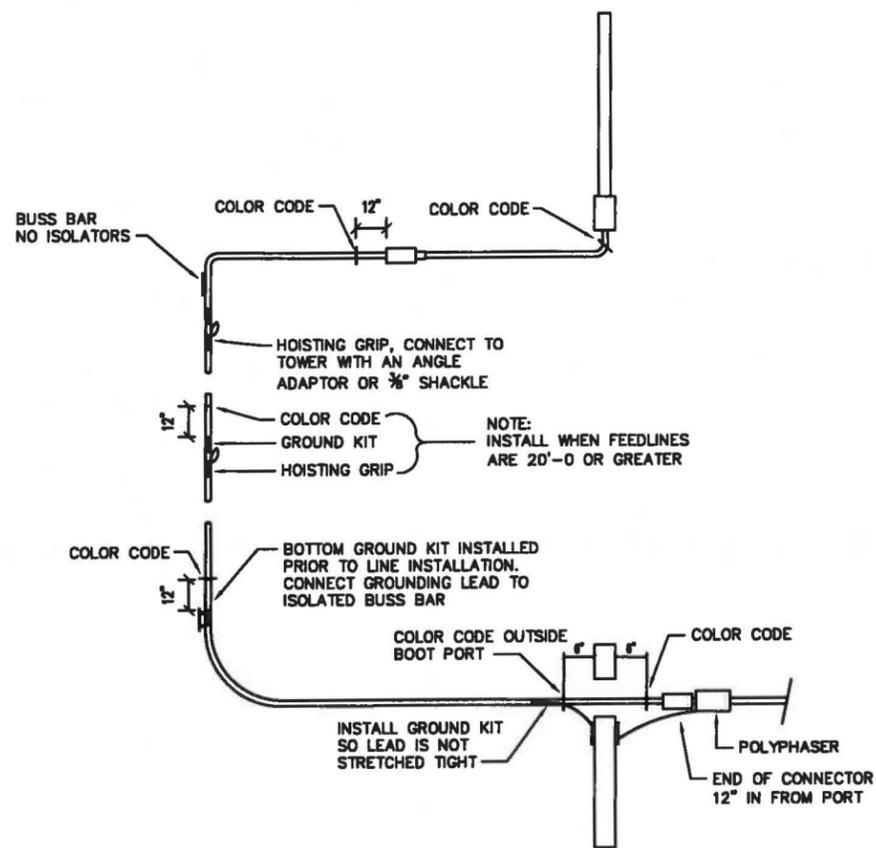


NO.	DATE	REVISION

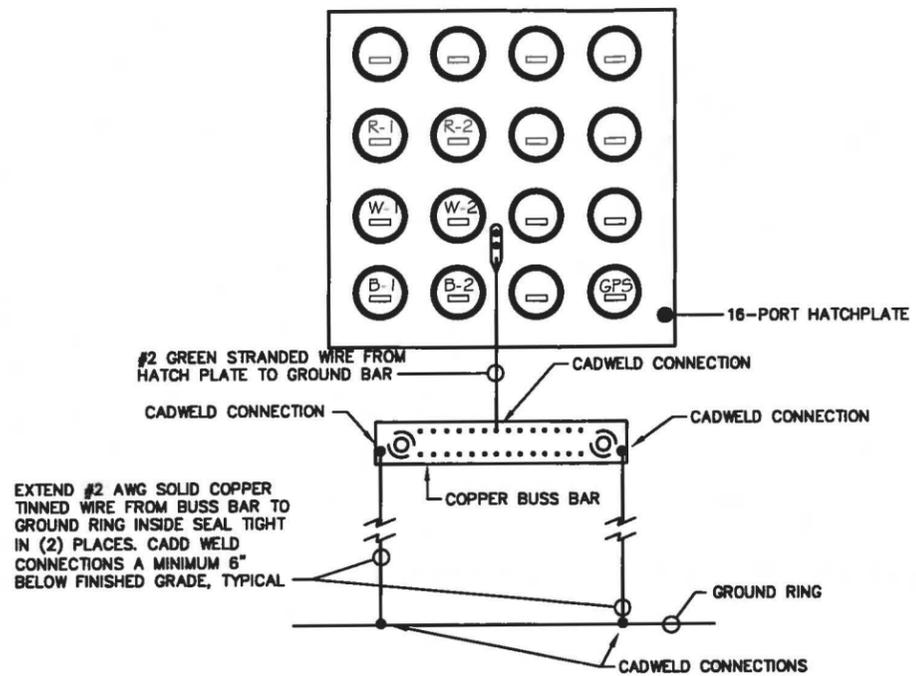
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WKU
303 SOUTH WAY BOWLING GREEN, KY. 42101

DRAWN BY: R. BECKER
ISSUE DATE: 8-17-15
SCALE: LISTED

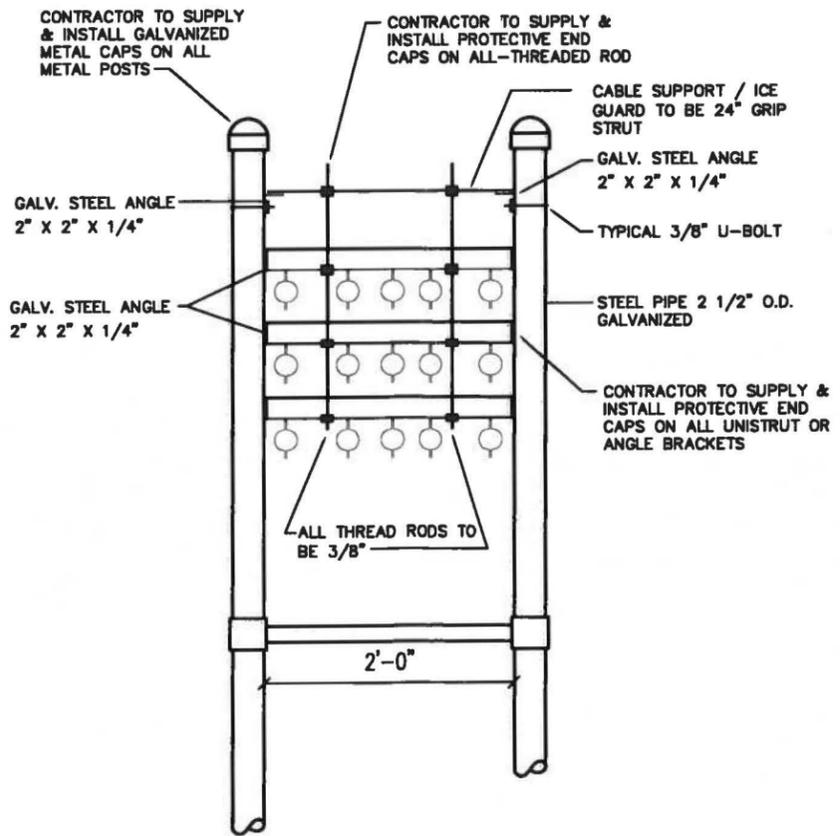
SHEET NUMBER
F-2



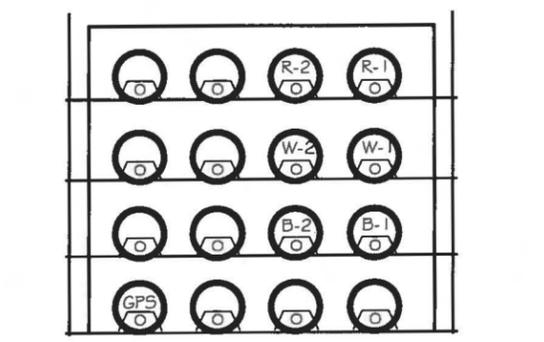
COLOR CODING DETAIL
NO SCALE



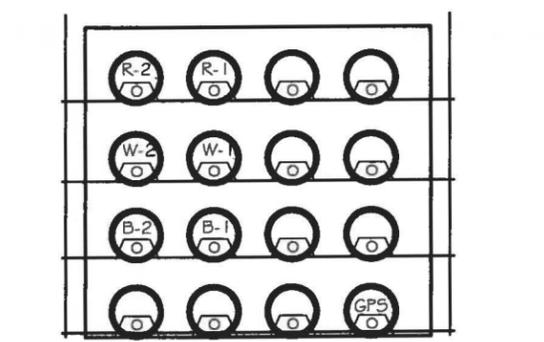
BOOT PORT GROUNDING DETAIL
NO SCALE



ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



COAX ENTRY DETAIL POWER SIDE (VIEW FROM INSIDE SHELTER)
NO SCALE



COAX ENTRY DETAIL A/C SIDE (VIEW FROM INSIDE SHELTER)
NO SCALE



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WKU
303 SOUTH WAY BOWLING GREEN, KY. 42101

DRAWN BY: R. BECKER
ISSUE DATE: 8-17-15
SCALE: LISTED

SHEET NUMBER
ANTENNA DETAILS
2

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

Directions to the Site

From the County Seat of Warren County, Kentucky

WKU Site

From the Warren County courthouse in downtown Bowling Green, Kentucky at the intersection of College Street and 10th Avenue: travel southwest on College Street for 1 block (0.1 miles) to 11th Avenue; turn right onto 11th Avenue and travel northeast for 3 blocks (0.3 miles) to Adams Street; turn left onto Adams Street and travel southwest for about 5 blocks (0.7 miles) to Old Morgantown Road; turn right onto Old Morgantown Road and travel westerly for 0.2 miles to Forrest Drive; turn left onto Forrest Drive and travel southerly for 0.2 miles to a curve in the street and South Way; continue southerly for 100 feet, leaving the street and passing through two gates and into a Western Kentucky University maintenance facility that lies near the universities track and field venue; travel northeasterly through the facility for 300 feet to the tower site on the northeast end of a large maintenance shed. The address of the site is 303 South Way, Bowling Green, Kentucky 42101.

Darren L. Helms

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

OCT. 22, 2015
Date



OPTION TO LEASE AND LEASE AGREEMENT

I.

OPTION TO LEASE REAL PROPERTY

THIS OPTION TO LEASE REAL PROPERTY (the “Option Agreement”) is made and entered into this 11th day of May, 2015, by and between Western Kentucky University, whose address is 1906 College Heights Blvd, Bowling Green, KY 42101 (the “Optionor (s)”) and Kentucky RSA 3 Cellular General Partnership (a Kentucky general Partnership) with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the “Optionee”).

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in Warren County, Kentucky as more particularly described on Exhibit A attached hereto and incorporated herein by reference (the “Property”); and

WHEREAS, the Optionor(s) wishes to grant to the Optionee, and the Optionee wishes to obtain from the Optionor(s), an option to lease the Property upon the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the foregoing premises and for other good and valuable consideration, the mutuality, receipt and sufficiency of which are hereby acknowledged, the parties hereto do agree as follows.

Site Name: WKU

The Optionor(s) hereby grants to the Optionee Eighteen Months (upon full execution) an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time in the Eighteen Month (the "Option Period") as set forth in Paragraph 5 thereof.

1. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
2. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
3. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.
4. Paragraph Intentionally Left Blank

Site Name: WKU

5. If the Optionee elects to exercise the Option in accordance with the terms hereof, notice of such election shall be deemed sufficient if personally delivered or sent by registered or certified mail, return receipt requested, to the address of the Optionor(s) set forth in Paragraph 14 hereof.
6. The Optionor(s) agrees not to sell, lease or offer for sale or lease the Property during the term of this Option or any renewal or extension of the Option.
7. In the event the Optionee fails to exercise the Option as set forth herein (unless such failure is due to the discovery of a defect in the Property or other matter unsatisfactory to the Optionee), the Optionor(s) shall have the right to retain the Option Consideration.
8. The Optionee may assign this Option with written consent of the Optionor(s), which consent shall not be unreasonably withheld, and upon any assignment such assignee shall have all the rights, remedies and obligations as if it were the original Optionee hereunder. From and after any such assignment, the term "Optionee" shall refer to such assignee.
9. Each party hereto shall bear any and all of its own expenses in connection with the negotiation, execution or settlement of this Option.
10. Risk of loss with respect to the Property during the term of this Option and during the term of the lease shall be upon the Optionor(s). If, during the term of the Option, any portion of the Property shall be acquired by public authority under the right or threat of eminent domain, the Optionee may, at its sole option, either (i) exercise the

Site Name: WKU

Option, or (ii) terminate this Option.

11. The parties hereto represent to each other that neither has engaged any broker to represent their interests in connection with the transactions contemplated hereby, and each agrees to indemnify the other against any and all claims made by any brokers engaged or purported to be engaged by the other for brokerage commissions or fees in connection with the transactions contemplated hereby.
12. The Optionor(s) represents, warrants and covenants to the Optionee that the Optionor(s) has not caused or permitted, and shall not cause or permit, and to the best of Optionor(s)' knowledge no other person has caused or permitted any hazardous material (as defined by any applicable federal, state or local law, rule or regulation) to be brought upon, placed, held, located or disposed of at the Property. In the event any such contamination occurs for which the Optionee becomes legally liable, the Optionor(s) shall indemnify the Optionee against all claims, damages, judgments, penalties and costs and expenses, including reasonable attorneys' fees, which Optionee may incur.
13. This Option Agreement and the rights and obligations of the parties hereto shall be construed in accordance with the laws of the Commonwealth of Kentucky.
14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **Western Kentucky University, Resources Management, Potter Hall 432, 1906 College Heights Blvd, Bowling Green, KY 42101**; the Optionee's address shall be: P.O Box 5012, Elizabethtown, KY 42702-5012. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option

Site Name: WKU

Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.

15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Warren County, **Kentucky**.

II. LEASE AGREEMENT

16. In the event the Optionee elects to exercise the Option to lease the Property, the terms of the Lease Agreement ("Lease Agreement" or "Lease") shall become immediately effective upon such exercise and shall be as follows.
 1. The term of the Lease shall commence on the date that the Optionor(s) receives proper notice that the Optionee has exercised the Option, pursuant to Paragraph 5 therein. The initial term shall expire **five (5) year(s)** from the commencement date of the Lease Agreement and shall include **six (6) additional five (5)-year terms** per the Lease Agreement. Optionee may, by providing written notice at least sixty (60) days prior to the expiration of the original or any renewal Lease term, elect to unilaterally terminate this Lease at the end of any original or renewal Lease term. Such notice must be personally delivered or sent via registered or certified mail, return receipt requested, to the address of the Optioner(s) set forth in Paragraph 14 hereof. The Lease amount shall be adjusted at the end of each term by an increase of 12%.
 2. The Optionee shall pay to the Optionor(s) rent for the Property in the sum of Twelve Thousand Dollars and Zero Cents (\$12,000.00) yearly, to be paid in

Site Name: WKU

advance. All rent payments shall be personally delivered or mailed to the Optionor(s) at the address set forth in Paragraph 14 hereof. Any check payment of the rent due under the Lease shall be payable to the order of Optionor(s).

3. The Optionee shall be entitled to use and occupy the Property for the purpose of erecting, maintaining and operating a communications tower and communications facilities thereon and for all such other uses as Optionee may, in its sole discretion, deem necessary in connection therewith.
4. The Optionor(s) shall be responsible for the payment of all real estate taxes which shall be assessed against the Property during the term of the lease. The Optionee shall pay all charges for heat, water, gas, electricity, sewer use charges and any other utility used or consumed on the Property. The Optionee shall, at its own cost and expense, maintain and keep in full force and effect during the term of the lease public liability insurance with coverage in the amount of at least one million dollars (\$1,000,000.00) per person for bodily injury, disease, or death and shall maintain property insurance on any property the Optionee located on the Property.
5. The Optionee may assign the lease. The Optionee may sublet all or part of the space on the tower or ground space. Funds received from subleasing shall be distributed between Optionor (s) and Optionee as follows: Optionor (s) shall be entitled to Fifty Percent (50%) of the gross rental amount actually received by Optionee.
6. The Optionor(s) covenants that upon the Optionee's payment of the rent agreed upon herein, as well as Optionee's observing and performing all of the

Site Name: WKU

covenants and conditions contained in the Lease, the Optionee may peacefully and quietly enjoy the Property subject to the terms and conditions set forth in the Lease.

7. The Optionee agrees to maintain an access road in a passable manner for the term of the lease.
8. Optionee's Payment of Taxes, Fees and Assessments. Optionee shall pay directly to the applicable federal, state or local governmental unit or agency ("Governmental Entity") or to Optionor if Optionor is invoiced by such Governmental Entity, all taxes, fees, assessments or other charges assessed by any Governmental Entity directly against Optionee's Equipment and/or Optionee's use of the Facility. Optionee shall also pay to Optionor Optionee's Pro Rata Share of all taxes, fees, assessments or charges including, but not limited to, personal property taxes attributable to Optionee's equipment and antenna(s), municipal franchise fees, use fees, municipal application fees, installation fees and increases thereof. "Pro Rata Share" shall mean the fraction of decimal equivalent of dividing one (1) by the total number of then existing users occupying a tower on the last day of the applicable calendar year.
17. This Option and Lease Agreement contains the entire agreement between the parties hereto and no modification or amendment shall be binding upon any party unless made in writing and signed by each of the parties hereto.
18. Upon the termination or other end of this Lease Agreement, Optionee shall have the right to remove any and all of its property (real or personal) from the Property regardless of whether or not such property may be considered a fixture thereto.

19. Upon abandonment of the property, Optionee shall have thirty (30) days to dismantle and remove the cellular antenna tower and any/all equipment located on Optionor's property. During this period the optionee will restore the site back to its original condition or to a reasonable condition at that time agreed upon by optionor.

20. Before Optionor(s)' interest in the Property or Lease, or any part thereof, whether separately or in connection with other property owned by the Optionor(s), is sold, assigned or transferred in any manner whatsoever (with or without consideration), the Optionee shall have a right of first refusal to acquire whatever interest in the Property or Lease that the Optionor(s) proposes to transfer (the "Proposed Transfer"), on the terms and conditions set forth in this Section 20 (the "Right of First Refusal").
 - (a) Optionor(s) shall deliver to the Optionee a written notice (the "Notice") stating (i) the name of the proposed purchaser or transferee and the material terms and conditions of the Proposed Transfer, together with a complete copy of any written offer made to the Optionor(s) to acquire any interest in the Property ("Offer").

 - (b) At any time within thirty (30) days after receipt of the Notice, the Optionee may, by giving written notice to the Optionor (s) ("Optionee's Notice"), elect to exercise its Right of First Refusal and acquire the interest in the Property or Lease proposed to be transferred pursuant to the Proposed Transfer at the purchase price and on the same terms and conditions as are contained in the Offer. If the Offer includes consideration other than cash, the cash equivalent value of the non-cash consideration shall be determined by the Optionee in good faith. In the event, Optionee exercises its right to acquire the interest in the Property or Lease, the Optioner(s) shall

Site Name: WKU

convey, assign and/or transfer said interest to Optionee free and clear of all liens and encumbrances whatsoever (other than this Lease, which Lease shall remain in effect). All taxes, rents and other assessments applicable to the transferred interest, if any, shall be prorated to the date of closing. The Closing shall occur within thirty (30) days from the date of Optionee's Notice.

- (c) If the Optionee declines to exercise its Right of First Refusal to acquire the interest in the Property or Lease proposed to be transferred, the Optioner(s) may sell or transfer same in accordance with the terms of the Offer subject, however, to this Lease and the Optionee's rights thereunder.

[Remainder of Page Intentionally Left Blank]

Site Name:

EXECUTION OF AGREEMENT(S)

IN WITNESS WHEREOF, the parties hereto have set their hands and affixed their respective seals.

WKU

Name: Bradley A. Wheeler

Sign: Bradley A. Wheeler

Title: Assist. V.P. Resource Mgt.

Date: 05.11.2015

("Optionor(s)")

Kentucky RSA 3 Cellular General
Partnership

Name: Scott W. McCloud

Sign: 

Title: Authorized Representative

Date: 5-14-15

("Optionee")

Cc: WKU General Counsel; Ms. Deborah Wilkins

Cc: WKU Senior VP of Finance and Administration; Ms. Ann Mead

Site Name:

STATE OF Kentucky
 COUNTY OF Warren

The foregoing instrument was acknowledged before me this 11th day of May,
 2016, by Bradley A. Wheeler, as Asst. V.P. Resources Mgt.
 on behalf of Western Kentucky University to be his/her free act and deed.

Karen Dail Kuble
 NOTARY PUBLIC STATE AT LARGE
 My commission expires: June 26, 2016

STATE OF KENTUCKY
 COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 14 day of May,
 2015, by Scott W. McCloud, as Authorized Representative on behalf of Kentucky RSA 3
Cellular General Partnership, to be his free act and deed.

Paul L. Vici
 NOTARY PUBLIC STATE AT LARGE
 My commission expires: 1-21-17

This instrument prepared by:

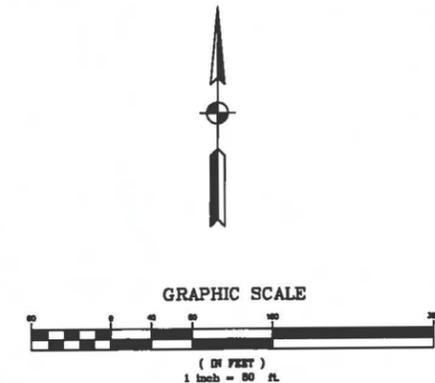
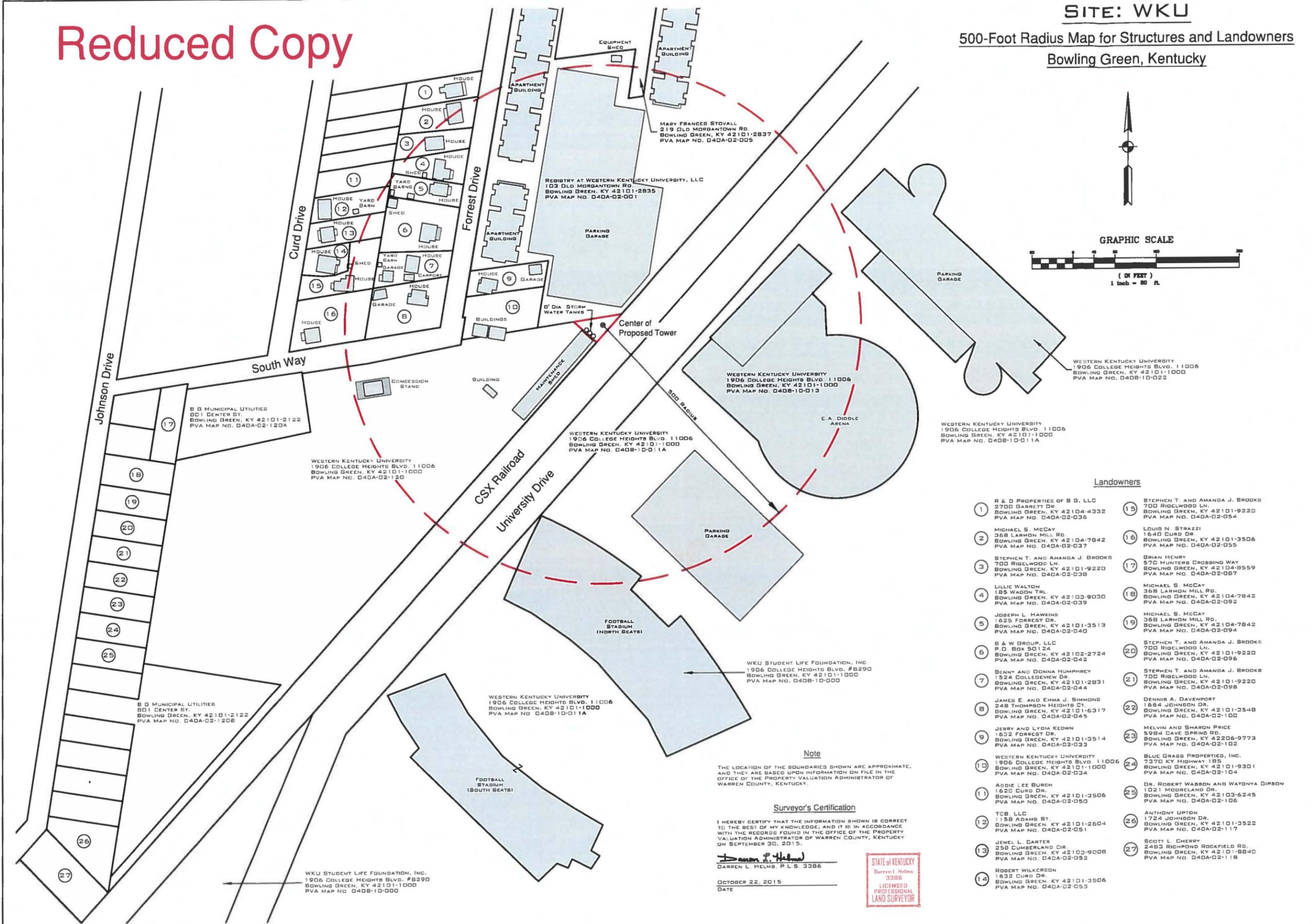


 John E. Selent
 DINSMORE & SHOHL LLP
 101 South 5th Street, Suite 2500
 Louisville, KY 40202
 (502) 540-2300

Reduced Copy

SITE: WKU

500-Foot Radius Map for Structures and Landowners Bowling Green, Kentucky



Landowners

- | | |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 1 R & D PROPERTIES OF B & G, LLC
2700 GARRETT DR.
BOWLING GREEN, KY 42104-4332
PVA MAP NO. D40A-02-036 | 15 STEPHEN T. AND AMANDA J. BROOKS
700 RIGELWOOD LN.
BOWLING GREEN, KY 42101-9220
PVA MAP NO. D40A-02-054 |
| 2 MICHAEL S. MCCAY
368 LARMON MILL RD.
BOWLING GREEN, KY 42104-7842
PVA MAP NO. D40A-02-037 | 16 LUDIG N. STRAZZI
1640 CURD DR.
BOWLING GREEN, KY 42101-3506
PVA MAP NO. D40A-02-055 |
| 3 STEPHEN T. AND AMANDA J. BROOKS
700 RIGELWOOD LN.
BOWLING GREEN, KY 42101-9220
PVA MAP NO. D40A-02-038 | 17 BRIAN HENRY
570 HUNTERS CROSSING WAY
BOWLING GREEN, KY 42104-8559
PVA MAP NO. D40A-02-087 |
| 4 LILLIE WALTON
185 WOODN TRL.
BOWLING GREEN, KY 42103-9030
PVA MAP NO. D40A-02-039 | 18 MICHAEL S. MCCAY
368 LARMON MILL RD.
BOWLING GREEN, KY 42104-7842
PVA MAP NO. D40A-02-092 |
| 5 JOSEPH L. HAWKINS
1625 FORREST DR.
BOWLING GREEN, KY 42101-3513
PVA MAP NO. D40A-02-040 | 19 MICHAEL S. MCCAY
368 LARMON MILL RD.
BOWLING GREEN, KY 42104-7842
PVA MAP NO. D40A-02-094 |
| 6 B & W GROUP, LLC
P.O. BOX 50124
BOWLING GREEN, KY 42102-2724
PVA MAP NO. D40A-02-042 | 20 STEPHEN T. AND AMANDA J. BROOKS
700 RIGELWOOD LN.
BOWLING GREEN, KY 42101-9220
PVA MAP NO. D40A-02-095 |
| 7 BENNY AND DONNA HUMPHREY
1524 COLLEGEVIEW DR.
BOWLING GREEN, KY 42101-2831
PVA MAP NO. D40A-02-044 | 21 STEPHEN T. AND AMANDA J. BROOKS
700 RIGELWOOD LN.
BOWLING GREEN, KY 42101-9220
PVA MAP NO. D40A-02-098 |
| 8 JAMES E. AND EMMA J. SIMMONS
248 THOMPSON HEIGHTS CT.
BOWLING GREEN, KY 42101-6317
PVA MAP NO. D40A-02-045 | 22 DENNIS A. DAVENPORT
1664 JOHNSON DR.
BOWLING GREEN, KY 42101-3548
PVA MAP NO. D40A-02-100 |
| 9 JERRY AND LYDIA KIDWYN
1632 FORREST DR.
BOWLING GREEN, KY 42101-3514
PVA MAP NO. D40A-02-033 | 23 MELVIN AND SHARON PRICE
5984 CAVE SPRING RD.
BOWLING GREEN, KY 42206-9773
PVA MAP NO. D40A-02-102 |
| 10 WESTERN KENTUCKY UNIVERSITY
1906 COLLEGE HEIGHTS BLVD. 11006
BOWLING GREEN, KY 42101-1000
PVA MAP NO. D40A-02-034 | 24 BLUE GRASS PROPERTIES, INC.
7270 KY HIGHWAY 185
BOWLING GREEN, KY 42101-9301
PVA MAP NO. D40A-02-104 |
| 11 ADDIE LEE BURCH
1625 CURD DR.
BOWLING GREEN, KY 42101-3506
PVA MAP NO. D40A-02-050 | 25 DR. ROBERT WASSON AND WATONYA GIBSON
1021 MCDRELAND DR.
BOWLING GREEN, KY 42103-6245
PVA MAP NO. D40A-02-106 |
| 12 TCB, LLC
1158 ADAMS ST.
BOWLING GREEN, KY 42101-2604
PVA MAP NO. D40A-02-051 | 26 ANTHONY URTON
1724 JOHNSON DR.
BOWLING GREEN, KY 42101-3522
PVA MAP NO. D40A-02-117 |
| 13 JEWEL L. CARTER
258 CUMBERLAND CIR.
BOWLING GREEN, KY 42103-9008
PVA MAP NO. D40A-02-052 | 27 SCOTT L. CHERRY
2483 RICHMOND ROCKFIELD RD.
BOWLING GREEN, KY 42101-8840
PVA MAP NO. D40A-02-118 |
| 14 ROBERT WILKINSON
1632 CURD DR.
BOWLING GREEN, KY 42101-3506
PVA MAP NO. D40A-02-053 | |

Note
THE LOCATION OF THE BOUNDARIES SHOWN ARE APPROXIMATE, AND THEY ARE BASED UPON INFORMATION ON FILE IN THE OFFICE OF THE PROPERTY VALUATION ADMINISTRATOR OF WARREN COUNTY, KENTUCKY.

Surveyor's Certification
I HEREBY CERTIFY THAT THE INFORMATION SHOWN IS CORRECT TO THE BEST OF MY KNOWLEDGE, AND IT IS IN ACCORDANCE WITH THE RECORDS FOUND IN THE OFFICE OF THE PROPERTY VALUATION ADMINISTRATOR OF WARREN COUNTY, KENTUCKY ON SEPTEMBER 30, 2015.

Darren L. Helms
DARREN L. HELMS, P.L.S. 3386
OCTOBER 22, 2015
DATE



Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42701

500-Foot Radius Map
303 South Way
Bowling Green, KY 42101

REVISIONS	DATE

DATE 10-22-15	DRAWN BY A. Winkler	CHECKED BY D. L. Helms
------------------	------------------------	---------------------------

SHEET No.
1
of 1 SHEETS

FILE NAME
wku-radius.dwg

LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(812) 257-0950
Email: landmark@landmark.net
Project No. 15-05-0100
© 2015

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**APPLICATION OF KENTUCKY RSA #3)
CELLULAR GENERAL PARTNERSHIP FOR)
APPROVAL TO CONSTRUCT AND OPERATE A NEW) Case No. 2015-00349
CELL FACILITY TO PROVIDE CELLULAR RADIO)
SERVICE (WKU) IN RURAL SERVICE AREA #3)
(WARRANT COUNTY) OF THE COMMONWEALTH)
OF KENTUCKY)**

AFFIDAVIT OF FELIX H. SHARPE

I, Felix H. Sharpe, being duly sworn, depose and state as follows:

1. My name is Felix H. Sharpe and I am a member of the Kentucky Bar Association.

I am legal counsel to Kentucky RSA #3 Cellular General Partnership and am submitting this affidavit in conjunction with the above referenced matter.

2. In order to demonstrate compliance with 807 KAR 5:063 §1(1)(l) & (m), Exhibit 1 identifies, with the exception of the individuals and entities identified in paragraphs 4, 5, 6 & 7, the names of the residents/tenants and property owners within 500 feet of the proposed tower who have been: (i) notified by written notice of the proposed construction, sufficient postage prepaid, by United States Certified Mail, return receipt requested; (ii) given the Commission docket number under which the application will be processed; and (iii) informed of the right to request intervention.

3. Attached as Exhibit 2 is a copy of the United States Certified Mail return receipt requested that demonstrates proof of service of the written notice of the proposed construction upon: (1) Mary Frances Stovall; (2) Jerry and Lydia Keown; (3) Western Kentucky University; (4) R&D Properties of BG, LLC; (5) Michael S. McCray; (6) Stephen T. and Amanda J. Brooks;

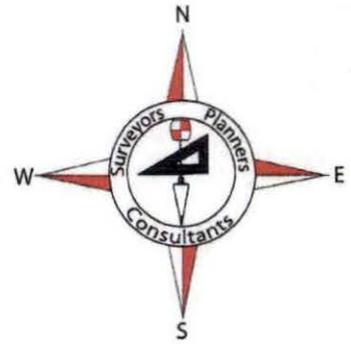
(7) Lillie Walton; (8) Joseph L. Hawkins; (9) James E. and Emma J. Simmons; (10) Addie Lee Burch; (11) TCB, LLC; (12) Jewell L. Carter; (13) Robert Wilkerson; (14) Louis N. Strazzi; (15) Brian Henry; (16) Dennis A. Davenport; (17) Melvin and Sharon Price; (18) Bluegrass Properties, Inc.; (19) Anthony Upton; (20) B G Municipal Utilities; (21) WKU Student Life Foundation, Inc.; (22) Scott L. Cherry; (23) Dr. Robert Wasson and Watonya Gipson; and (24)). Registry at Western Kentucky University, LLC.

4. Service of the written notice of the proposed construction was attempted upon B & W Group, LLC, (see Exhibit 1) via United States Certified Mail pursuant to 807 KAR 5:063 §1(1)(l) & (m). B & W Group, LLC was not served with a copy of the written notice of the proposed construction via United States Certified Mail. In addition, the notice of the proposed construction that was sent via United States Certified Mail was returned unserved, “Unclaimed/Max Hold Time Expired.” (See Exhibit 3) Therefore, another copy of the written notice of the proposed construction was sent to B & W Group, LLC via Federal Express and United States First Class Mail. B & W Group, LLC was served via Federal Express on Thursday, November 19, 2015. (See Exhibit 4.)

5. Service of the written notice of the proposed construction was attempted upon Benny and Donna Humphrey, (see Exhibit 1) via United States Certified Mail pursuant to 807 KAR 5:063 §1(1)(l) & (m). Benny and Donna Humphrey were not served with a copy of the written notice of the proposed construction via United States Certified Mail. In addition, the notice of the proposed construction that was sent via United States Certified Mail was returned unserved, “Unclaimed/Max Hold Time Expired.” (See Exhibit 5) Therefore, another copy of the written notice of the proposed construction was sent to Benny and Donna Humphrey via Federal Express and United States First Class Mail. Benny and Donna Humphrey were served

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

Landowner and Adjacent Landowner List

WKU Site

Mary Frances Stovall
219 Old Morgantown Rd.
Bowling Green, KY 42101-2837

Registry at Western Kentucky University, LLC
103 Old Morgantown Rd.
Bowling Green, KY 42101-2835

Jerry and Lydia Keown
1632 Forrest Dr.
Bowling Green, KY 42101-3514

Western Kentucky University
1906 College Heights Blvd. 1106
Bowling Green, KY 42101-1000

R & D Properties of B G, LLC
2700 Garrett Dr.
Bowling Green, KY 42104-4332

Michael S. McCray
368 Larmon Mill Rd.
Bowling Green, KY 42104-7842

Stephen T. and Amanda J. Brooks
700 Rigelwood Ln.
Bowling Green, KY 42101-9220

Lillie Walton
185 Wagon Trl.
Bowling Green, KY 42103-9030

Joseph L. Hawkins
1625 Forrest Dr.
Bowling Green, KY 42101-3513

B & W Group, LLC
P.O. Box 50124
Bowling Green, KY 42102-2724

Benny and Donna Humphrey
1524 Collegeview Dr.
Bowling Green, KY 42101-2831

James E. and Emma J. Simmons
248 Thompson Heights Ct.
Bowling Green, KY 42101-6317

Addie Lee Burch
1620 Curd Dr.
Bowling Green, KY 42101-3506

TCB, LLC
1158 Adams St.
Bowling Green, KY 42101-2604

Jewell L. Carter
258 Cumberland Cir.
Bowling Green, KY 42103-9008

Robert Wilkerson
1632 Curd Dr.
Bowling Green, KY 42101-3506

Louis N. Strazzi
1640 Curd Dr.
Bowling Green, KY 42101-3506

Brian Henry
570 Hunters Crossing Way
Bowling Green, KY 42104-8559

Dennis A. Davenport
1664 Johnson Dr.
Bowling Green, KY 42101-3548

Melvin and Sharon Price
5984 Cave Spring Rd.
Bowling Green, KY 42206-9773

Bluegrass Properties, Inc.
7370 KY Highway 185
Bowling Green, KY 42101-9301

Dr. Robert Wasson and Watonya Gipson
1021 Mooreland Dr.
Bowling Green, KY 42103-6245

Anthony Upton
1724 Johnson Dr.
Bowling Green, KY 42101-3522

B G Municipal Utilities
801 Center St.
Bowling Green, KY 42101-2122

WKU Student Life Foundation, Inc.
1906 College Heights Blvd. #8290
Bowling Green, KY 42101-1000

Scott L. Cherry
2483 Richpond Rockfield Rd.
Bowling Green, KY 42101-8840



Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

Oct. 22, 2015
Date



October 26, 2015

Mary Frances Stovall
219 Old Morgantown Road
Bowling Green, Kentucky 42101-2837

Public Notice

Kentucky RSA #3 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 20 years.

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 150 foot monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky, 42101. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

<p>2. Article Number</p>  <p>7196 9008 9111 1915 0954</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <p>A. Received by (Please Print Clearly) <i>Mary Frances Stovall</i> B. Date of Delivery</p> <p>C. Signature <i>Mary Frances Stovall</i> <input checked="" type="checkbox"/> Agent Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> 
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>21963.39-Ing1e -</p>
<p>1. Article Addressed to:</p> <p>Frances Stovall 219 Old Morgantown Road Bowling Green, KY 42101-2837 US</p>	 <p>CERT00150899</p>
<p>PS Form 3811, January 2005 Domestic Return Receipt</p>	

October 26, 2015

Jerry and Lydia Keown
1632 Forrest Drive
Bowling Green, Kentucky 42101-3514

Public Notice

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Frankfort, Kentucky, 40602.**

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0923</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td>A. Received by (Please Print Clearly) <i>JERRY KEOWN</i></td><td>B. Date of Delivery</td></tr><tr><td colspan="2">C. Signature <i>Jerry Keown</i></td></tr><tr><td colspan="2"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</td></tr><tr><td colspan="2">D. Is delivery address different from item 1? If YES, enter delivery address below:</td></tr><tr><td colspan="2"><input type="checkbox"/> Yes <input type="checkbox"/> No</td></tr></table>	A. Received by (Please Print Clearly) <i>JERRY KEOWN</i>	B. Date of Delivery	C. Signature <i>Jerry Keown</i>		<input type="checkbox"/> Agent <input type="checkbox"/> Addressee		D. Is delivery address different from item 1? If YES, enter delivery address below:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
A. Received by (Please Print Clearly) <i>JERRY KEOWN</i>	B. Date of Delivery										
C. Signature <i>Jerry Keown</i>											
<input type="checkbox"/> Agent <input type="checkbox"/> Addressee											
D. Is delivery address different from item 1? If YES, enter delivery address below:											
<input type="checkbox"/> Yes <input type="checkbox"/> No											
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>21963.39-Ingle -</p>  <p>CERT00150901</p>										
<p>1. Article Addressed to:</p> <p>Jerry and Lydia Keown 1632 Forrest Drive Bowling Green, KY 42101 US</p>											
<p>PS Form 3811, January 2005 Domestic Return Receipt</p>											

October 26, 2015

Western Kentucky University
1906 College Heights Boulevard 1106
Bowling Green, Kentucky 42101-1000

Public Notice

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P.O. Box 615
Frankfort, Kentucky, 40602.**

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0916</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"> <tr> <td data-bbox="846 1438 1182 1495">A. Received by (Please Print Clearly)</td> <td data-bbox="1187 1438 1369 1495">B. Date of Delivery</td> </tr> <tr> <td colspan="2" data-bbox="846 1501 1182 1585">C. Signature X <i>[Signature]</i></td> </tr> <tr> <td colspan="2" data-bbox="1258 1533 1369 1627"> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee </td> </tr> <tr> <td colspan="2" data-bbox="846 1585 1182 1627">D. Is delivery address different from item 1? If YES, enter delivery address below:</td> </tr> </table>	A. Received by (Please Print Clearly)	B. Date of Delivery	C. Signature X <i>[Signature]</i>		<input type="checkbox"/> Agent <input type="checkbox"/> Addressee		D. Is delivery address different from item 1? If YES, enter delivery address below:	
A. Received by (Please Print Clearly)	B. Date of Delivery								
C. Signature X <i>[Signature]</i>									
<input type="checkbox"/> Agent <input type="checkbox"/> Addressee									
D. Is delivery address different from item 1? If YES, enter delivery address below:									
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>21963 39-IngTe -</p>								
<p>1. Article Addressed to:</p> <p>Western Kentucky University 1906 College Heights Boulevard 1106 Bowling Green, KY 42101-1000 US</p>	 <p>CERT00150902</p>								
<p>PS Form 3811, January 2005 Domestic Return Receipt</p>									

October 26, 2015

R & D Properties of B G, LLC
2700 Garrett Drive
Bowling Green, Kentucky 42104-4332

Public Notice

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Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0909</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td>A. Received by (Please Print Clearly)</td><td>B. Date of Delivery</td></tr><tr><td>Steve Rolt</td><td>11-2</td></tr><tr><td>C. Signature</td><td><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</td></tr><tr><td>X Steve Rolt</td><td><input type="checkbox"/> Yes <input type="checkbox"/> No</td></tr><tr><td colspan="2">D. Is delivery address different from item 1? If YES, enter delivery address below:</td></tr></table>	A. Received by (Please Print Clearly)	B. Date of Delivery	Steve Rolt	11-2	C. Signature	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee	X Steve Rolt	<input type="checkbox"/> Yes <input type="checkbox"/> No	D. Is delivery address different from item 1? If YES, enter delivery address below:	
A. Received by (Please Print Clearly)	B. Date of Delivery										
Steve Rolt	11-2										
C. Signature	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee										
X Steve Rolt	<input type="checkbox"/> Yes <input type="checkbox"/> No										
D. Is delivery address different from item 1? If YES, enter delivery address below:											
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>21963.39-Ingle -</p>  <p>CERT00150903</p>										
<p>1. Article Addressed to:</p> <p>R & D Properties of B G, LLC 2700 Garrett Drive Bowling Green, KY 42104-4332 US</p>											

October 26, 2015

Lillie Walton
185 Wagon Trail
Bowling Green, Kentucky 42103-9030

Public Notice

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**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0879</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td data-bbox="820 1438 1153 1501">A. Received by (Please Print Clearly)</td><td data-bbox="1161 1438 1323 1501">B. Date of Delivery</td></tr><tr><td colspan="2" data-bbox="820 1501 1226 1585">C. Signature <i>X Lillie Walton</i></td></tr><tr><td data-bbox="1234 1533 1323 1585"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</td></tr><tr><td colspan="2" data-bbox="820 1585 1226 1627"><input checked="" type="checkbox"/> Is delivery address different from item 1? If YES, enter delivery address below:</td></tr><tr><td colspan="2" data-bbox="1234 1585 1323 1627"><input type="checkbox"/> Yes <input type="checkbox"/> No</td></tr></table>	A. Received by (Please Print Clearly)	B. Date of Delivery	C. Signature <i>X Lillie Walton</i>		<input type="checkbox"/> Agent <input type="checkbox"/> Addressee	<input checked="" type="checkbox"/> Is delivery address different from item 1? If YES, enter delivery address below:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
A. Received by (Please Print Clearly)	B. Date of Delivery									
C. Signature <i>X Lillie Walton</i>										
<input type="checkbox"/> Agent <input type="checkbox"/> Addressee										
<input checked="" type="checkbox"/> Is delivery address different from item 1? If YES, enter delivery address below:										
<input type="checkbox"/> Yes <input type="checkbox"/> No										
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>21963.39-Ing1e -</p>									
<p>1. Article Addressed to:</p> <p>Lillie Walton 185 Wagon Trail Bowling Green, KY 42103-9030 US</p>	 <p>CERT00150908</p>									

PS Form 3811, January 2005 Domestic Return Receipt

October 26, 2015

Joseph L. Hawkins
1625 Forrest Drive
Bowling Green, Kentucky 42101-3513

Public Notice

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P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

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2. Article Number		COMPLETE THIS SECTION ON DELIVERY	
 7196 9008 9111 1915 0862		A. Received by (Please Print Clearly) <i>Patricia R Hawkins</i>	B. Date of Delivery 11/6/15
3. Service Type CERTIFIED MAIL™		C. Signature <i>Patricia R Hawkins</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes		D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input type="checkbox"/> No	
1. Article Addressed to: Joseph Hawkins 1625 Forrest Drive Bowling Green, KY 42101-3513 US		21963.39-Ingle -	
		 CERT00150910	
PS Form 3811, January 2005		Domestic Return Receipt	

October 26, 2015

James E. and Emma J. Simmons
248 Thompson Heights Court
Bowling Green, Kentucky 42101

Public Notice

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Public Service Commission of Kentucky
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Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0831</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td data-bbox="803 1428 1136 1491">A. Received by (Please Print Clearly)</td><td data-bbox="1136 1428 1321 1491">B. Date of Delivery</td></tr><tr><td data-bbox="803 1491 1136 1564">C. Signature <i>J. Simmons</i></td><td data-bbox="1136 1491 1321 1564"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</td></tr><tr><td colspan="2" data-bbox="803 1564 1321 1627">D. Is delivery address different from item 1? If YES, enter delivery address below:</td></tr></table>	A. Received by (Please Print Clearly)	B. Date of Delivery	C. Signature <i>J. Simmons</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee	D. Is delivery address different from item 1? If YES, enter delivery address below:	
A. Received by (Please Print Clearly)	B. Date of Delivery						
C. Signature <i>J. Simmons</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee						
D. Is delivery address different from item 1? If YES, enter delivery address below:							
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>1. Article Addressed to:</p>	<p>21963.39-Engle -</p>  <p>CERT00150913</p>						
<p>James and Emma Simmons 248 Thompson Heights Court Bowling Green, KY 42101-6317 US</p>							

PS Form 3811, January 2005 Domestic Return Receipt

October 26, 2015

Addie Lee Burch
1620 Curd Drive
Bowling Green, Kentucky 42101-3506

Public Notice

Kentucky RSA #3 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 20 years.

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 150 foot monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky, 42101. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

<p>2. Article Number</p>  <p>7196 9008 9111 1915 0824</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td>A. Received by (Please Print Clearly) <i>ROY BURCH</i></td><td>B. Date of Delivery <i>11-4-15</i></td></tr><tr><td>C. Signature <i>[Signature]</i></td><td><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</td></tr><tr><td>D. Is delivery address different from item 1? If YES, enter delivery address below:</td><td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td></tr></table>	A. Received by (Please Print Clearly) <i>ROY BURCH</i>	B. Date of Delivery <i>11-4-15</i>	C. Signature <i>[Signature]</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee	D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
A. Received by (Please Print Clearly) <i>ROY BURCH</i>	B. Date of Delivery <i>11-4-15</i>						
C. Signature <i>[Signature]</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee						
D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
<p>3. Service Type CERTIFIED MAIL™</p>	<p>21963 39-Ingle -</p>   <p>CERT00150914</p>						
<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>1. Article Addressed to:</p> <p>Addie Lee Burch 1620 Curd Drive Bowling Green, KY 42101-3506 US</p>	<p>PS Form 3811, January 2005 Domestic Return Receipt</p>						

October 26, 2015

TCB, LLC
1158 Adams Street
Bowling Green, Kentucky 42101-2604

Public Notice

Kentucky RSA #3 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 20 years.

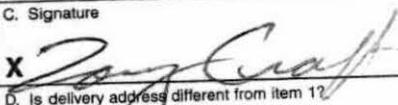
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2. Article Number	
	
7196 9008 9111 1915 0817	
3. Service Type CERTIFIED MAIL™	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
1. Article Addressed to:	
TCB, LLC 1158 Adams Street Bowling Green, KY 42101-2604 US	
COMPLETE THIS SECTION ON DELIVERY	
A. Received by (Please Print Clearly)	B. Date of Delivery
C. Signature	
X 	
<input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
D. Is delivery address different from item 1?	
If YES, enter delivery address below: <input type="checkbox"/> Yes <input type="checkbox"/> No	
21963.39-Ingle -	
	
CERT00150920	

PS Form 3811, January 2005 Domestic Return Receipt

October 26, 2015

Jewell L. Carter
258 Cumberland Circle
Bowling Green, Kentucky 42103-9008

Public Notice

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0800</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td data-bbox="831 1444 1177 1501">A. Received by (Please Print Clearly)</td><td data-bbox="1177 1444 1356 1501">B. Date of Delivery</td></tr><tr><td colspan="2" data-bbox="831 1501 1356 1585">C. Signature <i>Jewell Carter</i></td></tr><tr><td colspan="2" data-bbox="831 1585 1356 1633">D. Is delivery address different from Item 1? If YES, enter delivery address below:</td></tr></table> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	A. Received by (Please Print Clearly)	B. Date of Delivery	C. Signature <i>Jewell Carter</i>		D. Is delivery address different from Item 1? If YES, enter delivery address below:	
A. Received by (Please Print Clearly)	B. Date of Delivery						
C. Signature <i>Jewell Carter</i>							
D. Is delivery address different from Item 1? If YES, enter delivery address below:							
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>1. Article Addressed to:</p>	<p>21963.39-Ing1e -</p>  <p>CERT00150921</p>						
<p>Jewell Carter 258 Cumberland Circle Bowling Green, KY 42103-9008 US</p>							

PS Form 3811, January 2005 Domestic Return Receipt

October 26, 2015

Robert Wilkerson
1632 Curd Drive
Bowling Green, Kentucky 42101-3506

Public Notice

Kentucky RSA #3 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 20 years.

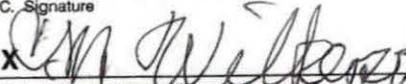
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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0794</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p>
<p>3. Service Type CERTIFIED MAIL™</p>	<p>A. Received by (Please Print Clearly) _____ B. Date of Delivery _____</p>
<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>C. Signature  <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>
<p>1. Article Addressed to: Robert Wilkerson 1632 Curd Street Bowling Green, KY 42101-3506 US</p>	<p>D. Is delivery address different from item 1? If YES, enter delivery address below:</p> <p>21963 39-1ngle</p>  <p>CERT00150922</p>
<p>PS Form 3811, January 2005 Domestic Return Receipt</p>	

October 26, 2015

Louis N. Strazzi
1640 Curd Drive
Bowling Green, Kentucky 42101-3506

Public Notice

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0787</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"> <tr> <td data-bbox="829 1455 1166 1507">A. Received by (Please Print Clearly)</td> <td data-bbox="1166 1455 1347 1507">B. Date of Delivery</td> </tr> <tr> <td colspan="2" data-bbox="829 1507 1347 1602">C. Signature <i>L N Strazzi</i></td> </tr> <tr> <td data-bbox="829 1602 1166 1648"> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee </td> <td data-bbox="1166 1602 1347 1648"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td colspan="2" data-bbox="829 1648 1347 1743"> D. Is delivery address different from item 1? If YES, enter delivery address below: <i>STRAZZI 2015</i> </td> </tr> </table>	A. Received by (Please Print Clearly)	B. Date of Delivery	C. Signature <i>L N Strazzi</i>		<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	<input type="checkbox"/> Yes <input type="checkbox"/> No	D. Is delivery address different from item 1? If YES, enter delivery address below: <i>STRAZZI 2015</i>	
A. Received by (Please Print Clearly)	B. Date of Delivery								
C. Signature <i>L N Strazzi</i>									
<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	<input type="checkbox"/> Yes <input type="checkbox"/> No								
D. Is delivery address different from item 1? If YES, enter delivery address below: <i>STRAZZI 2015</i>									
<p>3. Service Type CERTIFIED MAIL™</p>	<p>21963.39-Ing1e -</p>								
<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	 <p>CERT00150923</p>								
<p>1. Article Addressed to:</p> <p>Louis Strazzi 1640 Curd Drive Bowling Green, KY 42101-3506 US</p>									

October 26, 2015

Dennis A. Davenport
1664 Johnson Drive
Bowling Green, Kentucky 42101-3548

Public Notice

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0763</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td>A. Received by (Please Print Clearly)</td><td>B. Date of Delivery</td></tr><tr><td><i>Dennis Davenport</i></td><td></td></tr><tr><td>C. Signature</td><td></td></tr><tr><td><i>[Signature]</i></td><td></td></tr><tr><td>D. Is delivery address different from item 1? If YES, enter delivery address below:</td><td><input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No</td></tr></table> <p>21963.39-Ing1e -</p>  <p>CERT00150925</p>	A. Received by (Please Print Clearly)	B. Date of Delivery	<i>Dennis Davenport</i>		C. Signature		<i>[Signature]</i>		D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No
A. Received by (Please Print Clearly)	B. Date of Delivery										
<i>Dennis Davenport</i>											
C. Signature											
<i>[Signature]</i>											
D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee <input type="checkbox"/> Yes <input type="checkbox"/> No										
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>1. Article Addressed to:</p> <p>Dennis Davenport 1664 Johnson Drive Bowling Green, KY 42101-3548 US</p>											

PS Form 3811, January 2005 Domestic Return Receipt

THE
WALZ
CERTIFIED
MAILER™

FROM

WALZ™

U.S. PAT. NO. 5,501,393

7196 9008 9111 1915 0749

Label #1

Label #2

Bluegrass Properties, Inc.
7370 KY Highway 185
Bowling Green, KY 42103-6245
US

Label #3



TO:

Bluegrass Properties, Inc.
7370 KY Highway 185
Bowling Green, KY 42103-6245
US

SENDER: 21963.39-Ingle

REFERENCE:



PS Form 3800, January 2005

TEAR ALONG THIS LINE

RETURN RECEIPT SERVICE	Postage	
	Certified Fee	3.45
	Return Receipt Fee	2.80
	Restricted Delivery	0.00
Total Postage & Fees		

USPS®
Receipt for
Certified Mail™

POSTMARK OR DATE

No Insurance Coverage Provided
Do Not Use for International Mail

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Label #5

Certified Article Number
7196 9008 9111 1915 0749
SENDER'S RECORD

Charge
Amount:

Charge
To: 21963.39-Ingle

FOLD AND TEAR THIS WAY →

Label #6



English

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USPS Tracking®



Customer Service >
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Tracking Number: 719690089111 19150749

Updated Delivery Day: Tuesday, November 3, 2015

Product & Tracking Information

Postal Product:

Features:
Certified Mail™

DATE & TIME	STATUS OF ITEM	LOCATION
November 3, 2015 , 3:02 pm	Delivered	BOWLING GREEN, KY 42101

Your item was delivered at 3:02 pm on November 3, 2015 in BOWLING GREEN, KY 42101.

November 3, 2015 , 8:17 am	Out for Delivery	BOWLING GREEN, KY 42101
November 3, 2015 , 5:50 am	Arrived at Unit	BOWLING GREEN, KY 42101
October 31, 2015 , 12:51 pm	Arrived at USPS Facility	NASHVILLE, TN 37230
October 30, 2015 , 10:41 pm	Arrived at USPS Facility	LOUISVILLE, KY 40231

Available Actions

Text Updates

Email Updates

Track Another Package

Tracking (or receipt) number

7196900891119150749

Track It

Manage Incoming Packages

Track all your packages from a dashboard. No tracking numbers necessary.

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October 26, 2015

Brian Henry
570 Hunters Crossing Way
Bowling Green, Kentucky 42104-8559

Public Notice

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Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

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THE
WALZ
CERTIFIED
MAILER™

FROM

WALZ™

U.S. PAT. NO. 5,501,393

7196 9008 9111 1915 0770

TO:

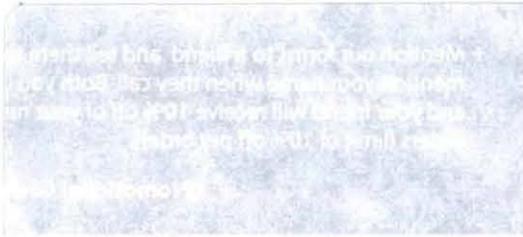
Brian Henry
570 Hunters Crossing Way
Bowling Green, KY 42104-8559
US

Label #1

Label #2

Brian Henry
570 Hunters Crossing Way
Bowling Green, KY 42104-8559
US

Label #3



TEAR ALONG THIS LINE

SENDER: 21963.39-Ingle

REFERENCE:



PS Form 3800, January 2005

RETURN RECEIPT SERVICE	Postage	
	Certified Fee	3.45
	Return Receipt Fee	2.80
	Restricted Delivery	0.00
Total Postage & Fees		

USPS®
Receipt for
Certified Mail™

POSTMARK OR DATE

No Insurance Coverage Provided
Do Not Use for International Mail

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Label #5

Certified Article Number
7196 9008 9111 1915 0770
SENDER'S RECORD

Charge
Amount:

Charge
To: 21963.39-Ingle

FOLD AND TEAR THIS WAY →

Label #6



English

Customer Service

USPS Mobile

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USPS Tracking®



Customer Service >
Have questions? We're here to help.



Get Easy Tracking Updates >
Sign up for My USPS.

Tracking Number: 719690089111 19150770

Product & Tracking Information

Postal Product:

Features:
Certified Mail™

DATE & TIME

STATUS OF ITEM

LOCATION

November 4, 2015 , 10:22 am

Delivered

BOWLING GREEN, KY 42101

Your item was delivered at 10:22 am on November 4, 2015 in BOWLING GREEN, KY 42101.

November 2, 2015 , 3:21 pm

Notice Left (Receptacle Blocked)

BOWLING GREEN, KY 42104

November 1, 2015 , 1:25 am

Departed USPS Facility

NASHVILLE, TN 37230

October 31, 2015 , 12:48 pm

Arrived at USPS Facility

NASHVILLE, TN 37230

October 30, 2015 , 10:41 pm

Arrived at USPS Facility

LOUISVILLE, KY 40231

Available Actions

Text Updates

Email Updates

Track Another Package

Tracking (or receipt) number

71969008911119150770

Track It

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November 18, 2015

Dr. Robert Wasson and Watonya Gipson
1021 Mooreland Drive
Bowling Green, Kentucky 42103-6245

Public Notice

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<p>2. Article Number</p>  <p>7196 9008 9111 1915 0732</p>	<p>COMPLETE THIS SECTION ON DELIVERY</p> <table border="1"><tr><td>A. Received by (Please Print Clearly)</td><td>B. Date of Delivery</td></tr><tr><td colspan="2">C. Signature</td></tr><tr><td><input checked="" type="checkbox"/> Agent</td><td><input type="checkbox"/> Addressee</td></tr><tr><td>D. Is delivery address different from item 1? If YES, enter delivery address below:</td><td><input type="checkbox"/> Yes <input type="checkbox"/> No</td></tr></table> <p><i>Robert Wasson</i></p>	A. Received by (Please Print Clearly)	B. Date of Delivery	C. Signature		<input checked="" type="checkbox"/> Agent	<input type="checkbox"/> Addressee	D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Yes <input type="checkbox"/> No
A. Received by (Please Print Clearly)	B. Date of Delivery								
C. Signature									
<input checked="" type="checkbox"/> Agent	<input type="checkbox"/> Addressee								
D. Is delivery address different from item 1? If YES, enter delivery address below:	<input type="checkbox"/> Yes <input type="checkbox"/> No								
<p>3. Service Type CERTIFIED MAIL™</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	<p>21963.39-Ing1e -</p>								
<p>1. Article Addressed to:</p> <p>Dr. Robert Wasson and Watonya Gipson 1021 Mooreland Drive Bowling Green, KY 42103-6245 US</p>									
  <p>CERT00150928</p>									

November 18, 2015

Registry at Western Kentucky University, LLC
103 Old Morgantown Road
Bowling Green, Kentucky 42101-2835

Public Notice

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input checked="" type="checkbox"/> <i>Shana Dillon</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery <i>SILVANA DILLON</i> <i>12-1-15</i></p>																
<p>1. Article Addressed to: <i>Registry at WKU, LLC 103 Old Morgantown Rd. Bowling Green, KY 42101-2835</i></p>  <p>9590 9403 0728 5196 1845 85</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>																
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type</p> <table border="0"><tr><td><input type="checkbox"/> Adult Signature</td><td><input type="checkbox"/> Priority Mail Express®</td></tr><tr><td><input type="checkbox"/> Adult Signature Restricted Delivery</td><td><input type="checkbox"/> Registered Mail™</td></tr><tr><td><input checked="" type="checkbox"/> Certified Mail®</td><td><input type="checkbox"/> Registered Mail Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Certified Mail Restricted Delivery</td><td><input checked="" type="checkbox"/> Return Receipt for Merchandise</td></tr><tr><td><input type="checkbox"/> Collect on Delivery</td><td><input type="checkbox"/> Signature Confirmation™</td></tr><tr><td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td><td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Insured Mail</td><td></td></tr><tr><td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td><td></td></tr></table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input checked="" type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
<input type="checkbox"/> Certified Mail Restricted Delivery	<input checked="" type="checkbox"/> Return Receipt for Merchandise																
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	

7015 1520 0000 8070 9548

Domestic Return Receipt

November 18, 2015

B & W Group, LLC
P.O. Box 50124
Bowling Green, Kentucky 42102-2724

Public Notice

Kentucky RSA #3 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 20 years.

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 150 foot monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky, 42101. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)



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Tracking Number: 71969008911119150855

Product & Tracking Information

Postal Product:

Features:
Certified Mail™

Available Actions

Text Updates

Email Updates

DATE & TIME	STATUS OF ITEM	LOCATION
December 1, 2015 , 6:05 pm	Departed USPS Facility	NASHVILLE, TN 37230

Your item departed our USPS facility in NASHVILLE, TN 37230 on December 1, 2015 at 6:05 pm. The item is currently in transit to the destination.

November 25, 2015 , 6:06 am	Unclaimed/Max Hold Time Expired	BOWLING GREEN, KY 42101
November 21, 2015 , 10:50 pm	Arrived at USPS Facility	NASHVILLE, TN 37230
November 21, 2015 , 9:13 am	Out for Delivery	BOWLING GREEN, KY 42101
November 21, 2015 , 9:03 am	Sorting Complete	BOWLING GREEN, KY 42101
November 21, 2015 , 5:40 am	Arrived at Unit	BOWLING GREEN, KY 42101
November 21, 2015 , 5:39 am	Arrived at USPS Facility	BOWLING GREEN, KY 42101
November 20, 2015 , 4:39 pm	Departed USPS Facility	NASHVILLE, TN 37230
November 19, 2015 , 8:01 am	Unclaimed/Max Hold Time Expired	BOWLING GREEN, KY 42102
November 13, 2015 , 2:31 pm	Available for Pickup	BOWLING GREEN, KY 42102
November 2, 2015 , 7:32 am	Available for Pickup	BOWLING GREEN, KY 42102
November 2, 2015 , 7:32 am	Arrived at Unit	BOWLING GREEN, KY 42104
October 31, 2015 , 12:48 pm	Arrived at USPS Facility	NASHVILLE, TN 37230
October 30, 2015 , 10:41 pm	Arrived at USPS Facility	LOUISVILLE, KY 40231

THE
WALZ
CERTIFIED
MAILER™

FROM

WALZ™

FORM #35663 VERSION: 09/13
U.S. PAT. NO. 5,501,393

7196 9008 9111 1915 0855

TO:

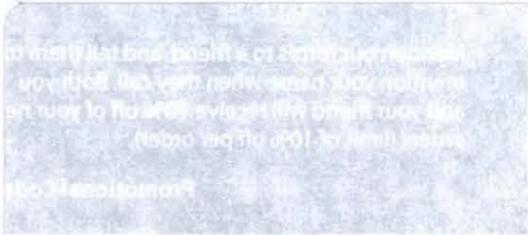
B & W Group, LLC
P.O. Box 50124
Bowling Green, KY 42102-2724
US

Label #1

Label #2

B & W Group, LLC
P.O. Box 50124
Bowling Green, KY 42102-2724
US

Label #3



← TEAR ALONG THIS LINE

SENDER: 21963.39-Ingle

REFERENCE:



PS Form 3800, January 2005

RETURN RECEIPT SERVICE	Postage	
	Certified Fee	3.45
	Return Receipt Fee	2.80
	Restricted Delivery	0.00
Total Postage & Fees		

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POSTMARK OR DATE

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Label #5

Certified Article Number

7196 9008 9111 1915 0855

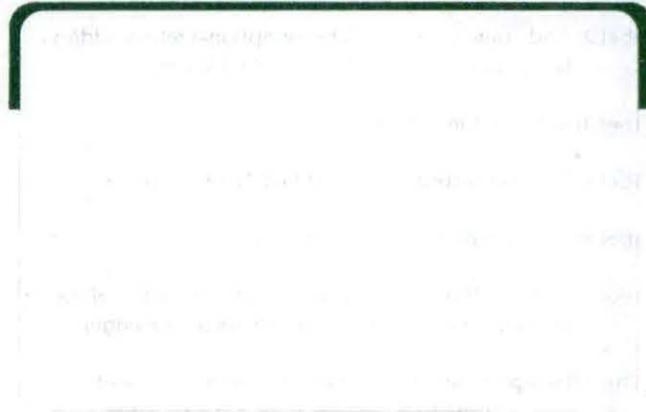
SENDERS RECORD

Charge
Amount:

Charge
To: 21963.39-Ingle

FOLD AND TEAR THIS WAY →

Label #6



INGLE, KERRY

From: trackingupdates@fedex.com
Sent: Thursday, November 19, 2015 10:18 AM
To: INGLE, KERRY
Subject: FedEx Shipment 775007862804 Delivered

Your package has been delivered

Tracking # 775007862804

Ship date:
Wed, 11/18/2015

KERRY W. INGLE
DINSMORE & SHOHL LLP
LOUISVILLE, KY 40202
US



Delivered

Delivery date:
Thu, 11/19/2015
9:14 am

B & W Group, LLC
111 Callaway Court Suite
201
BOWLING GREEN, KY
42103
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>775007862804</u>
Status:	Delivered: 11/19/2015 09:14 AM Signed for By: S.MEADOWS
Reference:	21963.39
Signed for by:	S.MEADOWS
Delivery location:	BOWLING GREEN, KY
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Deliver Weekday

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:17 AM CST on 11/19/2015.

To learn more about FedEx Express, please go to fedex.com

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or go to fedex.com.

This tracking update has been sent to you by FedEx at your request. FedEx does not validate the authenticity of the requestor and does not validate, guarantee or warrant the authenticity of the request, the requestor's message, or the accuracy of this tracking update. For tracking results and terms of use, go to fedex.com

Thank you for your business.



FedEx® Tracking

775007862804

Ship date:

Wed 11/18/2015

LOUISVILLE, KY US

Actual delivery:

Thu 11/19/2015 9:14 am

BOWLING GREEN, KY US

Delivered

Signed for by: S.MEADOWS

Travel History

Date/Time	Activity	Location
11/19/2015 - Thursday		
9:14 am	Delivered	BOWLING GREEN, KY
7:46 am	On FedEx vehicle for delivery	BOWLING GREEN, KY
7:37 am	At local FedEx facility	BOWLING GREEN, KY
5:10 am	At destination sort facility	NASHVILLE, TN
4:32 am	Departed FedEx location	MEMPHIS, TN
11/18/2015 - Wednesday		
11:31 pm	Arrived at FedEx location	MEMPHIS, TN
10:20 pm	Left FedEx origin facility	LOUISVILLE, KY
5:25 pm	Picked up	LOUISVILLE, KY
2:22 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	775007862804	Service	FedEx Priority Overnight
Weight	0.5 lbs / 0.23 kgs	Delivered To	Receptionist/Front Desk
Total pieces	1	Total shipment weight	0.5 lbs / 0.23 kgs
Shipper reference	21963 39	Packaging	FedEx Envelope
Special handling section	Deliver Weekday		



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 Small Business Center
 Service Guide
 Customer Support

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 FedEx SameDay
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November 18, 2015

Benny and Donna Humphrey
1524 Collegeview Drive
Bowling Green, Kentucky 42101-2831

Public Notice

Kentucky RSA #3 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 20 years.

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 150 foot monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky, 42101. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to Case Number 2015-00349 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

DINSMORE & SHOHL LLP
101 South Fifth Street ^ Suite 2500
Louisville, KY 40202-3175

CERTIFIED MAIL



7196 9008 9111 1915 0848

neopost[®]
10/30/2015

US POSTAGE

\$07



ZIP 40
041112

Dinsmore

1-4
11/15
11/28

Benny and Donna Humphrey
1524 Collegeview Drive
Bowling Green, KY 42101-2831
US

NEXIE 421012047-1N 12/02/15

RETURN TO SENDER
UNCLAIMED
UNABLE TO FORWARD
RETURN TO SENDER





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Tracking Number: 71969008911119150848

Your item was returned to the sender on November 30, 2015 at 12:42 pm in BOWLING GREEN, KY 42101 because it was not claimed by the addressee once the item reached its maximum hold time at the post office.

Product & Tracking Information

Postal Product:

Features:
Certified Mail™

Available Actions

[Text Updates](#)

[Email Updates](#)

DATE & TIME	STATUS OF ITEM	LOCATION
November 30, 2015 , 12:42 pm	Unclaimed/Max Hold Time Expired	BOWLING GREEN, KY 42101
Your item was returned to the sender on November 30, 2015 at 12:42 pm in BOWLING GREEN, KY 42101 because it was not claimed by the addressee once the item reached its maximum hold time at the post office.		
November 2, 2015 , 3:08 pm	Notice Left (No Authorized Recipient Available)	BOWLING GREEN, KY 42101
November 1, 2015 , 1:25 am	Departed USPS Facility	NASHVILLE, TN 37230
October 31, 2015 , 12:48 pm	Arrived at USPS Facility	NASHVILLE, TN 37230
October 30, 2015 , 10:41 pm	Arrived at USPS Facility	LOUISVILLE, KY 40231

Track Another Package

Tracking (or receipt) number

Track It

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No tracking numbers necessary.



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WALZ
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FROM

WALZ™

U.S. PAT. NO. 5,501,393

7196 9008 9111 1915 0848

TO:

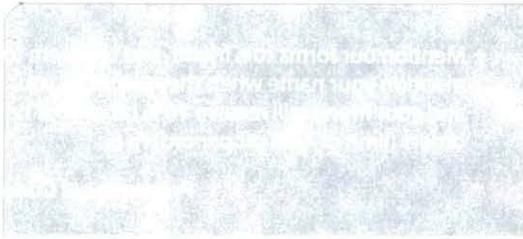
Benny and Donna Humphrey
1524 Collegeview Drive
Bowling Green, KY 42101-2831
US

Label #1

Label #2

Benny and Donna Humphrey
1524 Collegeview Drive
Bowling Green, KY 42101-2831
US

Label #3



← TEAR ALONG THIS LINE

SENDER: 21963.39-Ingle

REFERENCE:



PS Form 3800, January 2005

RETURN RECEIPT SERVICE	Postage	
	Certified Fee	3.45
	Return Receipt Fee	2.80
	Restricted Delivery	0.00
Total Postage & Fees		

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POSTMARK OR DATE

No Insurance Coverage Provided
Do Not Use for International Mail

A FOLD AND TEAR THIS WAY → OPTIONAL

Label #5

Certified Article Number
7196 9008 9111 1915 0848
SENDERS RECORD

**Charge
Amount:**

**Charge
To:** 21963.39-Ingle

FOLD AND TEAR THIS WAY →

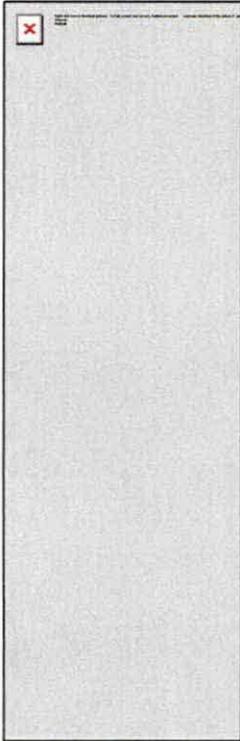
Label #6



Label #4

INGLE, KERRY

From: trackingupdates@fedex.com
Sent: Thursday, November 19, 2015 10:42 AM
To: INGLE, KERRY
Subject: FedEx Shipment 775007903543 Delivered



Your package has been delivered

Tracking # 775007903543

Ship date:
Wed, 11/18/2015

KERRY W. INGLE
DINSMORE & SHOHL LLP
LOUISVILLE, KY 40202
US



Delivery date:
Thu, 11/19/2015
9:38 am

Benny and Donna
Humphrey
1524 Collegeview Drive
BOWLING GREEN, KY
42101
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	775007903543
Status:	Delivered: 11/19/2015 09:38 AM Signed for By: Signature not required
Reference:	21963.39
Signed for by:	Signature not required
Delivery location:	BOWLING GREEN, KY
Delivered to:	Residence
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Deliver Weekday Residential Delivery

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:42 AM CST on 11/19/2015.

To learn more about FedEx Express, please go to fedex.com

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above, or go to fedex.com

This tracking update has been sent to you by FedEx at your request. FedEx does not validate the authenticity of the requestor and does not validate, guarantee or warrant the authenticity of the request, the requestor's message, or the accuracy of this tracking update. For tracking results and terms of use, go to fedex.com

Thank you for your business.



FedEx® Tracking

775007903543

Ship date: Wed 11/18/2015	Actual delivery: Thu 11/19/2015 9:38 am
LOUISVILLE, KY US	Delivered <i>Signature not required</i>
	BOWLING GREEN, KY US

Travel History

Date/Time	Activity	Location
11/19/2015 - Thursday		
9:38 am	Delivered Left at back door. Package delivered to recipient address - release authorized	BOWLING GREEN, KY
8:07 am	On FedEx vehicle for delivery	BOWLING GREEN, KY
7:44 am	At local FedEx facility	BOWLING GREEN, KY
5:10 am	At destination sort facility	NASHVILLE, TN
4:32 am	Departed FedEx location	MEMPHIS, TN
11/18/2015 - Wednesday		
11:31 pm	Arrived at FedEx location	MEMPHIS, TN
10:20 pm	Left FedEx origin facility	LOUISVILLE, KY
5:25 pm	Picked up	LOUISVILLE, KY
2:26 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	775007903543	Service	FedEx Priority Overnight
Weight	0.5 lbs / 0.23 kgs	Delivered To	Residence
Total pieces	1	Total shipment weight	0.5 lbs / 0.23 kgs
Shipper reference	21963.39	Packaging	FedEx Envelope
Special handling section	Deliver Weekday, Residential Delivery		



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Kerry W. Ingle
502-540-2354 (Direct Dial)
kerry.ingle@dinsmore.com

October 30, 2015

Via Certified Mail

Honorable Mike Buchanon
Warren County Judge Executive
429 East 10th Avenue
Suite 201
Bowling Green, Kentucky 42101

Re: *Application of Kentucky RSA #3 Cellular General Partnership d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a new cellular facility to be located at 303 South Way, Bowling Green, Warren County, Kentucky, 42101, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2015-00349*

Judge Buchanon:

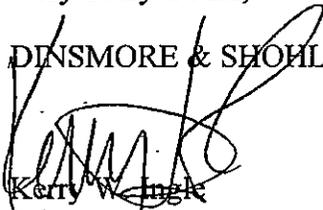
Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 150 foot monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky, 42101. A map showing the location of the proposed new facility is enclosed.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 2015-00349 in your correspondence.

Very Truly Yours,

DINSMORE & SHOHL LLP


Kerry W. Ingle
Paralegal

2. Article Number



7196 9008 9111 1915 0978

3. Service Type **CERTIFIED MAIL™**

4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Hon. Mike Buchanon
Warren County Judge Executive
429 East 10th Avenue
Suite 201
Bowling Green, KY 42101
US

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

Maria Smith

B. Date of Delivery

C. Signature

Maria Smith

Agent

Address

D. Is delivery address different from item 1?
If YES, enter delivery address below:

Yes

No

21963.39-Ingle -



CERT00150896



PUBLIC NOTICE

Kentucky RSA #3 Cellular
General Partnership proposes
to construct a cellular
communications

MONOPOLE

on this site. If you have any
questions please contact:

Kentucky RSA #3 Cellular
General Partnership
P.O. Box 5812
2807 Ring Road
Elizabethtown, KY 42701

Executive Director
The Public Service Commission
211 Dover Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to P.S.C.
Case #2015-00349
in your correspondence.



PUBLIC NOTICE
MONOPHILL
Slope #2015-02548
Slope #2015-02548

CITY OF MONROE



PUBLIC NOTICE

Kentucky RSA #3 Cellular
General Partnership proposes
to construct a cellular
communications

MONOPOLE

near this site. If you have any
questions please contact:

Kentucky RSA #3 Cellular
General Partnership
P.O. Box 5812
2802 Ring Road
Elizabethtown, NY 41701

or
Executive Director,
The Public Service Commission
211 Sewer Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to P.S.C.

Case #2015-00349

in your correspondence.



DAILY NEWS



813 College St.

P.O. Box 90012

Bowling Green, KY 42102-9012

AFFIDAVIT OF PUBLICATION

Dinsmore & Shohl LLP
Attn: Kerry Ingle
101 South Fifth Street
Ste. 2500
Louisville, KY 40202

RE: NOTICE OF INSERTION

To Whom It May Concern:

This is to certify that on **Monday, November 2, 2015, and Friday, November 6, 2015, AN LEGAL NOTICE AD** ran in the Daily News, a publication in and for the County of Warren, City of Bowling Green, State of Kentucky.

I further certify that all of the foregoing facts are true on such date aforesaid.

Dated this 11th day of November, 2015.

Subscribed and sworn to before me this 11th day of November, 2015.

My Commission Expires: June 14, 2019.

Notary Public, KY State-At-Large
Notary ID: 531616

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esi-
ku-
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First Day

NOTICE

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #3 of the Commonwealth of Kentucky (Western Kentucky University Capacity Cell Site). The facility is a 150 monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky 42101. Your comments and requests for intervention should be addressed to: **Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2015-00349 in your correspondence.**

Donna Jo Cooper, Co-Exec., 7571 KY Hwy 185, BGKY & Howard Winsett, Co-Exec., 3826 Glasgow Rd., Oakland, KY 42159 - Atty - Lanna Martin Kilgore, POB 1617, BGKY
Neresa Beth Minatrea, 657 Masters Way, BGKY, c/o Stephen Douglas Kurtz, 657 Masters Way, BGKY - Atty - Lee Huddleston, POB 2130, BGKY
Brandi Duvall, Warren District Clerk
by Sheila Campbell, D.C.

PUBLIC NOTICE

Hearings for the following ESTATES shall be held **25 November 2015 at 10:30 a.m. Judge S. Potter, Room "A", 2nd Floor, Justice Center, 1001 Center St., BGKY**

ESTATE	FIDUCIARY	SETTLEMENT
T. White	M. Stratton	Final
P. Dillard	S. Dillard	Final
J. Lindsey, Minor	R. Lindsey	Final
H. Klunk	L. Klunk	Periodic
M. Morrow	B. Morrow	Final
N. Hines	B. Eadens	Periodic
E. Cherry, Minor	J. Jones	Periodic
K. Nix	C. Hahn	Final

Hearings for the following ESTATES shall be held **20 November 2015 at 9:30 a.m. Judge B. Potter, Room "B", 2nd Floor, Justice Center, 1001 Center St., BGKY**

ESTATE	FIDUCIARY	SETTLEMENT
D. Demunbrun	T. Hunt & D. Demunbrun	Final
J. Ortiz, Minor	B. Simpson	Periodic
G. Powell	P. Sweatt	Final
C. Presnell, Minor	A. Trout	Periodic
Z. Hewitt, Minor	D. Hewitt	Periodic
T. Beckham, Minor	C. Beckham	Final
D. Gumm, Minor	C. Gumm	Periodic
H. Gumm, Minor	C. Gumm	Periodic
D. Story	C. Story	Final
H. Hulsey	T. Hulsey	Final
M. Basham	L. Basham	Final
M. Reynolds	S. Reynolds	Periodic
N. Lush	J. Kirby	Final
C. Kirkman	T. Kirkman	Periodic
A. Bunch	K. Lee	Final
M. Swetmon	E. Swetmon	Final

Hearings for the following ESTATES shall be held **24 November 2015 at 10:00 a.m. Judge J. Brown, Room "C", 2nd Floor, Justice Center, 1001 Center St., BGKY**

ESTATE	FIDUCIARY	SETTLEMENT
M. Hunt, Minor	D. Hunt & S. Hunt	Final
V. Page, Minor	A. Page	Periodic
D. Graves	J. Eaton & L. Webb	Periodic
J. Hines	M. Hines & PNC Bank	Periodic
R. Cook, Minor	D. Cook	Periodic
H. Thorp, Minor	A. Thorp	Periodic
M. Thorp, Minor	A. Thorp	Periodic
T. Payne, Minor	M. Carver	Final
L. Norris	J. Oliver & C. Norris	Final
M. Mullins	J. Mullins	Periodic
J. Baldwin	R. Baldwin	Final

Brandi Duvall, Warren District Clerk
by Sheila Campbell, D.C.

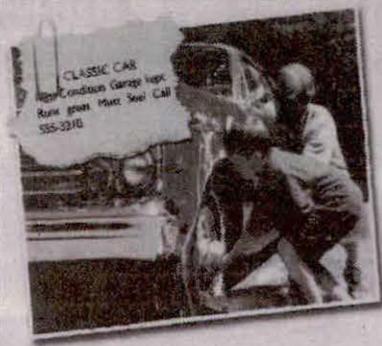
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DAILY NEWS
783-3232



Find that car you've always wanted in the Classifieds.

DAILY NEWS

Go to bgdailynews.com/classifieds or call 270-783-3232.

Bids

For Sale: 1996 Ford Ranger with 102,040 miles. South Central Bank Inc. will take bids on this vehicle until 11/16/2015. This vehicle can be seen at South Central Bank, Inc. 805 Lehman Avenue, Bowling Green, KY 42103. Please send sealed bids to Joann Haley, phone 270-529-1272.

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**Christian Care
At Home**

ECE

Truck, Trailer, Van

'98 Plymouth Voyager Van. 197k miles, white, runs good, needs tire, come look! Priced \$2250. Call 270-843-0774.

Autos

'96 Black Chevrolet Silverado. New battery, recent tune up, like new tires. 130k miles. Asking \$4,650. Call after 6pm 270-843-1487.

'11 Buick Lucerne CXL Premium 4 door. Color pearl. Only 12,800 miles. Excellent condition. Blue book \$18,900. Call 270-784-4695 or 270-846-3323.

'94 Ford Explorer XLT. 4x4, 4 door, 4.0 V6, new tires, 73,700 miles, white w/ brown interior. \$3,800. Call 270-780-5594 between 9a-1p.

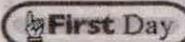


'07 Lexus RX 350. Black exterior with tan interior. Super clean, loaded, FWD, 2nd owner, maintained regularly, Blue Book Retail at \$12,200. Asking \$8,800. Call 606-219-7030. Located in BG



'04 Sonata GLS V6. 88k miles. Super clean. New tires. Power window and doors, keyless entry. \$4500. Call 270-843-3023.

Auto Parts

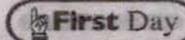


4 Kumho tires 235/50R18. \$40 for all. Call 270-793-2406.

Campers

Used RV water heater. Model SW6DE. Suburban, 6 gal. Electric/Direct spark ignition with door. \$175. Call 270-781-7758.

Motorcycles



'09 Polaris Razor RZR 800. New tires, new brakes, stereo, windshield, roof, mega front bumper. \$5300/obo. Call 270-202-3421.



'89 Springer Softail

Custom paint (Marine Corp theme), new motor with less than 1000 miles. No problems, must see to appreciate. Asking \$10,500. obo. Call Larry at 270-784-9033.

o. Serious Inquiries only.



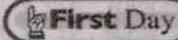
Legals

NOTICE

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #3 of the Commonwealth of Kentucky (Western Kentucky University Capacity Cell Site). The facility is a 150 monopole and an equipment shelter to be located at 303 South Way, Bowling Green, Warren County, Kentucky 42101. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2015-00349 in your correspondence.

the Plaintiff will apply to the Court for the relief demanded in the Complaint and judgment by default will be rendered against you for the relief demanded in the Complaint. The Answer must be in writing and signed by you or your attorney and must state your address, or the address of your attorney if signed by your attorney.

Dan V. Butler, Esq.
Phone: 843-655-3157
Email: dbutler@butlerlaw.net



VENDOR SOLICITATION

Community Action of Southern Kentucky is seeking vendors to provide coal to eligible clients during the subsidy phase of the Low Income Home Energy Assistance Program (LIHEAP) which runs November 4, 2015 through December 11, 2015 and the crisis phase of the program which runs January 11, 2016 through March 31, 2016 (or until funds are expended). If interested in supplying this type of fuel and being placed on the subsidy and/or crisis approved vendors list, you may contact us for more information or come by the Community Action Office located at the address below to complete the necessary paperwork.

COMMUNITY ACTION OF SOUTHERN KENTUCKY
921 Beauty Avenue
Bowling Green, KY 42102
Phone: (270)782-3162
Fax: (270)842-5735

ing Green. This property is zoned RM-4 (Multi-Family Residential), with a general development plan.

2. Lance and Stephanie Garner have filed an application for a Future Land Use Map Amendment on a portion of a tract of land containing approximately 1 acre located at 1058 Antioch Church Road, Alvaton, from Agricultural to Rural Density Residential.

3. Lance and Stephanie Garner have filed an application to rezone a portion of a tract of land containing approximately 1.00 acre located at 1058 Antioch Church Road, Alvaton, from AG (Agriculture) to R-E (Residential Estate), with a general development plan.

4. Mark Douglas has filed an application to rezone tracts of land containing approximately 4.4966 acres at 3949 Dye Ford Road, Alvaton, from AG (Agriculture) to R-E (Residential Estate), with a general development plan.

5. Mark and Robin Douglas have filed an application to rezone a tract of land containing approximately 1.4573 acres on Collett Road (bounded by Plano Road and Dye Ford Road), Plano, from R-E (Residential Estate) to RS-1C (Single Family Residential), with a general development plan.

6. Nevil and Sandra Speer have filed an application to rezone a portion of a tract of land containing approximately 3.78 acres located at 451 Will Bohannon Road, Smiths Grove, from AG (Agriculture) to R-E (Residential Estate), with a general development plan.

A copy of all applications, maps, and general development plans may be seen at the City-County Planning Commission office, 1141 State Street, Bowling Green, Kentucky. (270) 842-1953.

Written consent may be from the public by the Director for of five (5) of the date of cation.

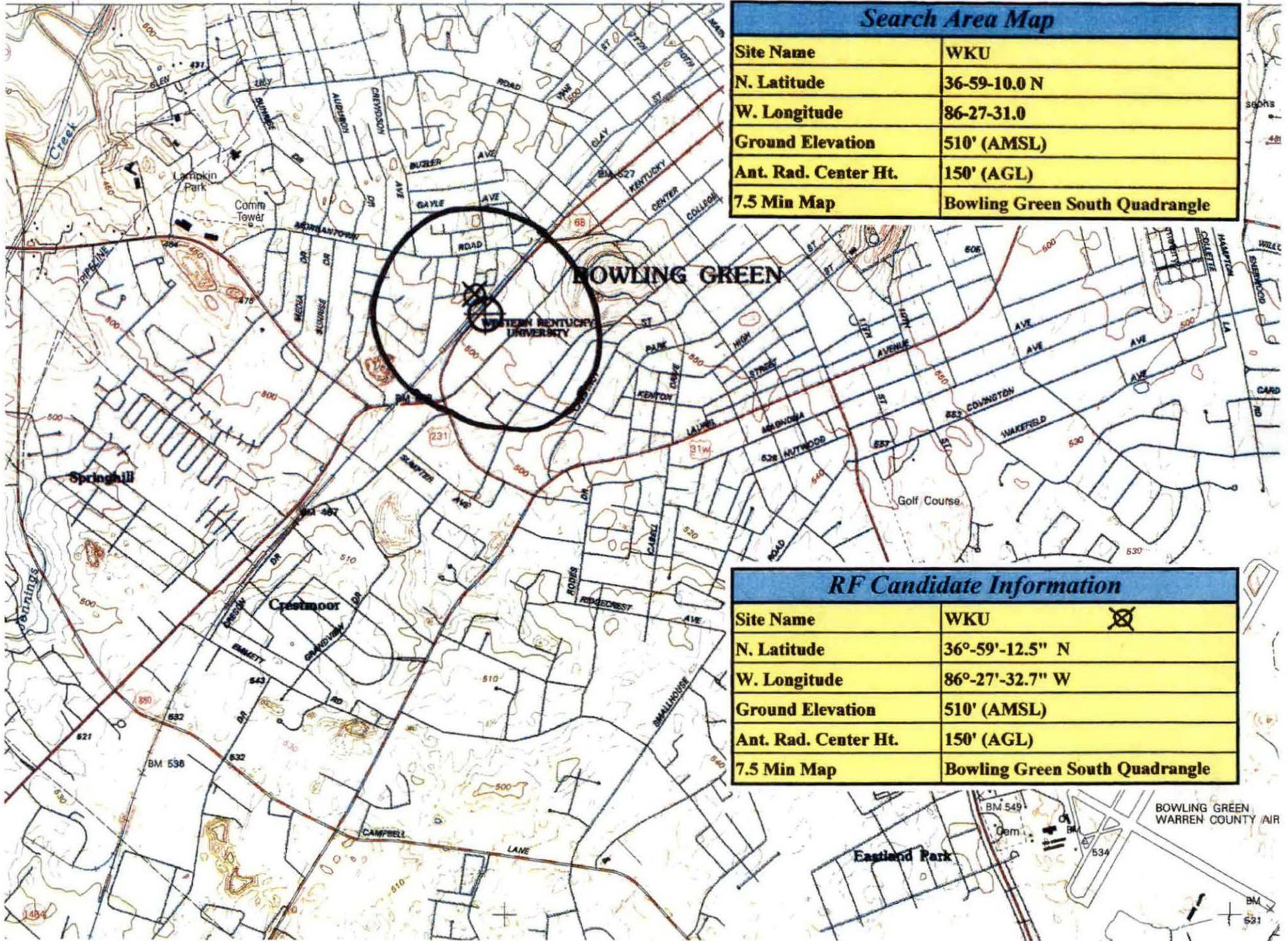
1. GVTP I ments, LLC Poston has subdivision Picadilly Subdivision containing one totaling 1.64 located on Bypass, 44' intersection Hogle Drive.

2. Kelly Arr City of Green have subdivision The Reservoir Reservoir division cc six (6) lots 3.4054 acres on East Avenue, 10th and Park St

3. Vision I a subdivision Traditions Lovers Lan vision - Rev Lot 1 contain teen (16) lot: 2.0066 acres on Wa Avenue, Bos Drive and tion Drive.

4. Deborah and Wabud oment, LLC have filed a sion entitled Mills Subdi Revision of & 70-1 cc two (2) lots 6.59 acres on Worth V Blue Level V

5. Mike Da filed a sut entitled Dav erty Sub Revision cc one (1) lot 6.07 acres k 2613 Ma Road.

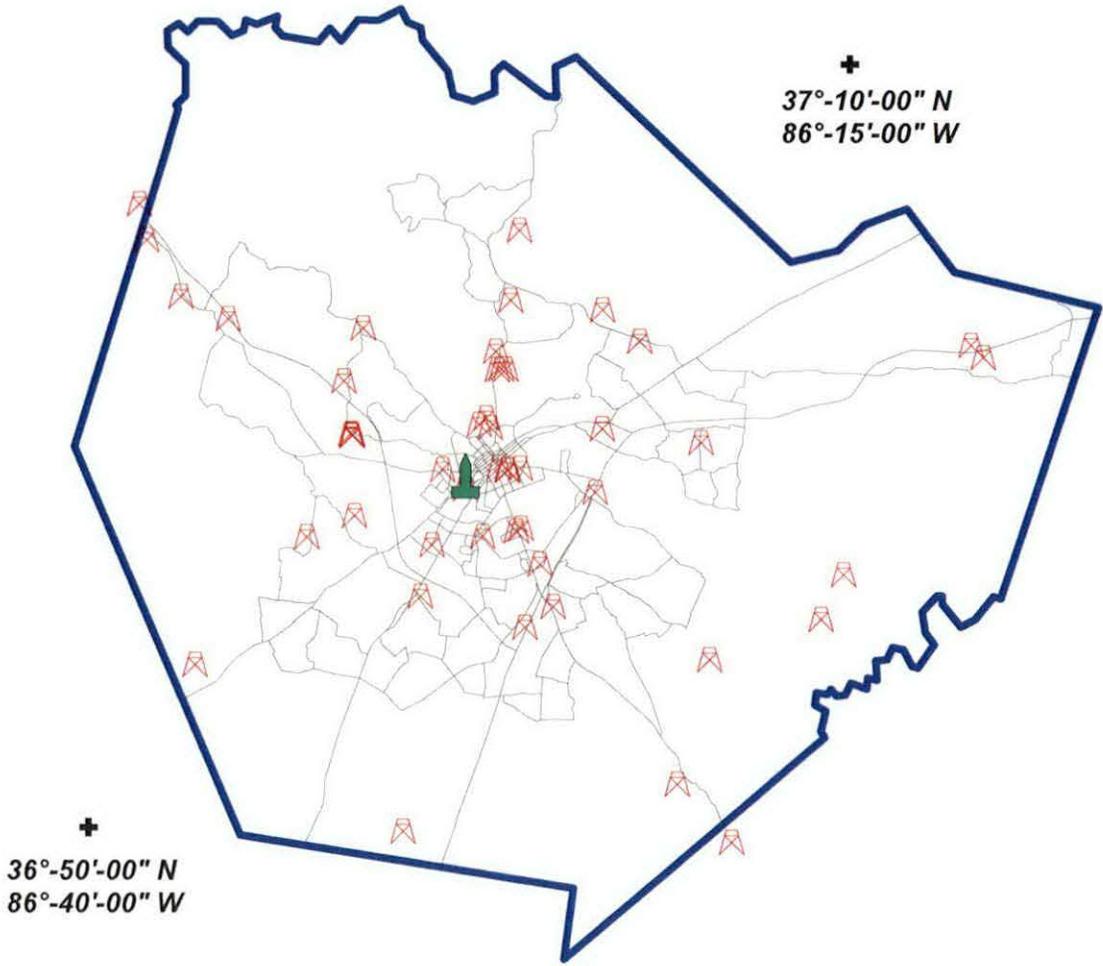


Search Area Map	
Site Name	WKU
N. Latitude	36-59-10.0 N
W. Longitude	86-27-31.0
Ground Elevation	510' (AMSL)
Ant. Rad. Center Ht.	150' (AGL)
7.5 Min Map	Bowling Green South Quadrangle

RF Candidate Information	
Site Name	WKU 
N. Latitude	36°-59'-12.5" N
W. Longitude	86°-27'-32.7" W
Ground Elevation	510' (AMSL)
Ant. Rad. Center Ht.	150' (AGL)
7.5 Min Map	Bowling Green South Quadrangle

	Warren County Boundary
	Constructed Towers Registered with the FCC
	Proposed WKU Tower Location
	Tick Marks

Prepared By LNGS Engineering October 29, 2015



***Information on Constructed Towers Registered with the FCC
in Warren County and 1/2 Mile Area Outside of the County Boundary***

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1044046	37-5-23	86-38-5	Hadley, KY	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKGB TV
1044638	37-0-29	86-26-50	Bowling Green, KY	Insight Kentucky Partners II, L.P.
1025771	36-56-39	86-15-11	Polkville, KY	DAILY NEWS BROADCASTING COMPANY
1042242	37-0-34	86-27-9	Bowling Green, KY	Forever Communications, Inc.
1042280	37-2-29	86-26-36	Bowling Green, KY	OWLING PARTNERSHIP LTD
1042369	37-2-0	86-26-33	Bowling Green, KY	DAILY NEWS BROADCASTING COMPANY
1042370	37-2-1	86-26-25	Bowling Green, KY	DAILY NEWS BROADCASTING COMPANY
1042371	37-2-1	86-26-16	Bowling Green, KY	DAILY NEWS BROADCASTING COMPANY
1042713	36-55-28.1	86-15-55.3	Bowling Green, KY	American Towers, Inc.
1043045	36-58-11	86-31-15	Bowling Green, KY	Bluegrass Cellular
1043432	37-0-17.5	86-31-20.8	Bowling Green, KY	New Cingular Wireless PCS, LLC
1043863	37-0-16.5	86-31-19.5	Bowling Green, KY	SBA Properties, Inc.
1044794	36-58-52.9	86-27-36	Bowling Green, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS
1046177	37-2-45	86-21-53	Bowling Green, KY	ALLEN, KENNETH J
1048806	37-3-49	86-26-7	Bowling Green, KY	Gray Television Group, Inc.
1056469	36-57-24.8	86-28-42.2	Bowling Green, KY	CROWN CASTLE PT, INC.
1056919	37-1-42	86-31-36	Bowling Green, KY	COMMQUEST WIRELESS SYSTEMS INC
1060382	37-0-19	86-31-23	Bowling Green, KY	TENNESSEE VALLEY AUTHORITY
1061017	37-0-16	86-31-20	Lost River, KY	POWERTEL, INC.
1062951	36-59-23	86-26-12	Bowling Green, KY	BOWLING GREEN MUNICIPAL UTILITIES
1065669	3659-25	86-25-48	Bowling Green, KY	WARREN RURAL ELECTRIC MEMBERSHIP CORP
1200062	37-0-44.3	86-26-54.8	Bowling Green, KY	Crown Communication Inc.
1200363	36-54-15.8	86-36-29	Bowling Green, KY	CROWN CASTLE PT, INC.
1201033	36-59-27	86-26-29	Bowling Green, KY	Kentucky RSA #3 Cellular General Partnership
1202244	37-2-20.6	86-10-36	Bowling Green, KY	Crown Communication Inc.
1202759	36-49-54.5	86-29-39.3	Woodburn, KY	Crown Communication Inc.
1207196	37-0-6	86-19-52.4	Bowling Green, KY	NEW CINGULAR WIRELESS PCS, LLC
1210120	36-55-15.1	86-25-38.5	Bowling Green, KY	Crown Communication Inc.
1210409	37-6-19.2	86-38-19.6	Morgantown, KY	NEW CINGULAR WIRELESS PCS, LLC
1213318	37-2-39.4	86-10-59.9	Smiths Grove, KY	WKLX INC
1219414	37-3-19.5	86-35-24.6	Bowling Green, KY	Crown Communication Inc.
1230382	37-0-18.1	86-31-18.9	Bowling Green, KY	Bowling Green Community Broadcasting Inc
1232131	37-5-38.9	86-25-49.5	Bowling Green, KY	MED TM, Inc.
1232404	36-56-54.6	8625-8.5	Bowling Green, KY	American Towers, Inc.
1232590	36-49-37.9	86-18-51.3	Scottsville, KY	Kentucky RSA # 3 Cellular General Partnership
1232681	36-51-9	86-20-38.7	Alvaton, KY	American Towers, Inc.
1241356	36-58-47.9	86-23-20	Bowling Green, KY	PowerTel/Memphis, Inc.
1244486	36-57-37	86-32-49	Bowling Green, KY	Cumberland Broadcast Group
1247945	37-3-5.1	86-30-57.9	Bowling Green, KY	R & C Towers, LLC
1248969	36-57-46.9	86-25-55.4	Bowling Green, KY	Forever Communications, Inc.
1265925	36-57-51	86-25-46	Bowling Green, KY	City of BOWLING GREEN
1267565	36-55-47.9	86-24-42.3	Bowling Green, KY	City of BOWLING GREEN
1267817	37-0-27.2	86-23-6.3	Bowling Green, KY	Tower Development Corporation

***Information on Constructed Towers Registered with the FCC
in Warren County and 1/2 Mile Area Outside of the County Boundary***

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1271156	36-56-3.9	86-29-5	Bowling Green, KY	Tower Development Corporation
1271174	36-59-23	86-26-14	Bowling Green, KY	CITY OF BOWLING GREEN
1275463	36-54-24.5	8619-35.4	Bowling Green, KY	Kentucky RSA #3 Cellular General Partnership
1277050	36-59-23.5	86-28-21.6	Bowling Green, KY	Commonwealth of Kentucky, Transportation Cabinet
1278922	36-59-22.4	86-26-12.2	Bowling Green, KY	Bowling Green Municipal Utilities
1289650	37-03-34.4	86-23-5.6	Bowling Green, KY	TV6 Signal Source Towers, LLC
1291982	37-03-54.5	86-36-57.3	Bowling Green, KY	WARREN COUNTY EMERGENCY MANAGEMENT
1293897	36-57-38.8	86-27-02	Bowling Green, KY	American Towers, LLC

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: KENTUCKY RSA #3 CELLULAR GENERAL PARTNERSHIP

KENTUCKY RSA #3 CELLULAR GENERAL PARTNERSHIP
PO BOX 5012
ELIZABETHTOWN, KY 42702-5012

Call Sign KNKN867	File Number
Radio Service CL - Cellular	
Market Numer CMA445	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0001786706

Market Name Kentucky 3 - Meade

Grant Date 08-31-2010	Effective Date 12-19-2013	Expiration Date 10-01-2020	Five Yr Build-Out Date	Print Date
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Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	36-50-41.0 N	086-51-27.0 W	243.8	82.3	1043225

Address: 1.3 KM EAST OF SR-100 & JEFF DAVIS HIGHWAY

City: RUSSELLVILLE County: LOGAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	153.310	72.160	9.790	0.510	0.420	0.540	11.230	75.590
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	0.870	21.280	113.650	147.250	38.070	3.570	0.330	0.410
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	133.200	104.800	100.900	107.400	123.200	117.300	105.900	123.700
Transmitting ERP (watts)	1.480	0.400	0.430	2.930	40.950	143.640	111.910	19.230

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: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	36-58-11.0 N	086-31-15.0 W	205.4	117.3	1043045

Address: Bowling Green Main, 3.4 KM southwest of

City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.200	135.100	135.400	118.600	102.700	103.000	111.100	110.800
Transmitting ERP (watts)	186.450	83.280	10.010	0.510	0.420	0.490	10.730	87.210
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	47.300	74.100	74.500	57.600	41.800	42.100	50.200	49.900
Transmitting ERP (watts)	0.270	2.540	54.390	78.620	9.450	0.350	0.270	0.270
Antenna: 4 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.200	135.100	135.400	118.600	102.700	103.000	111.100	110.800
Transmitting ERP (watts)	1.020	0.240	0.310	2.130	24.000	70.020	56.310	11.460

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	37-08-47.0 N	086-39-02.0 W	189.0	128.0	1043044

Address: 9.7 KM SOUTH SOUTHEAST OF

City: MORGANTOWN County: BUTLER State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	0.330	0.690	16.910	90.270	116.960	30.240	2.840	0.260
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	2.100	0.260	0.330	1.050	21.320	101.470	108.950	23.430
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.200	118.800	110.000	116.600	100.700	122.200	119.800	131.300
Transmitting ERP (watts)	90.270	14.390	1.070	0.260	0.340	2.530	33.930	116.960

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	37-47-53.0 N	086-19-51.0 W	257.3	125.0	1043043

Address: WITHIN THE CITY LIMITS OF
 City: GARFIELD, County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	104.850	46.830	5.630	0.290	0.240	0.280	6.030	49.040
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	0.560	13.820	74.230	95.620	25.740	2.460	0.240	0.270
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	164.300	145.800	148.800	118.100	136.500	132.100	154.800	164.500
Transmitting ERP (watts)	0.930	0.240	0.280	2.040	27.580	95.620	74.230	12.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-46-32.1 N	086-33-56.0 W	206.3	91.1	1043041

Address: 2.4 KM NORTH OF
 City: FRANKLIN County: SIMPSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	0.710	17.400	93.440	120.380	32.400	3.090	0.300	0.340
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.700	81.100	68.500	56.000	56.400	56.600	64.300	64.200
Transmitting ERP (watts)	1.280	0.300	0.390	2.690	30.220	88.150	70.900	14.430

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location **Latitude** **Longitude** **Ground Elevation (meters)** **Structure Hgt to Tip (meters)** **Antenna Structure Registration No.**
7 37-03-33.7 N 087-01-50.4 W 200.0 77.7 1266950
Address: Lake Malone, 1038 Heltsley Road
City: Lewisburg County: LOGAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	102.840	191.490	71.150	7.980	0.430	0.450	0.570	14.860
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	0.570	14.860	102.840	191.490	71.150	7.980	0.430	0.450
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.200	116.000	119.100	120.900	103.100	89.400	78.300	104.000
Transmitting ERP (watts)	3.330	0.430	0.500	1.560	31.780	148.650	162.990	36.490

Location **Latitude** **Longitude** **Ground Elevation (meters)** **Structure Hgt to Tip (meters)** **Antenna Structure Registration No.**
8 36-47-11.0 N 086-08-35.3 W 253.3 91.1 1043039
Address: 4.8 KM NORTHEAST OF
City: SCOTTSVILLE County: ALLEN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	151.400	124.900	113.700	118.200	77.200	108.300	128.800	139.000
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-53-45.0 N	086-49-51.0 W	164.5	65.6	1043711

Address: OLD LEWISPORT OWENSBORO RD, 7.6 KM WEST OF
 City: HAWESVILLE County: HANCOCK State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	7.600	61.740	131.990	58.960	7.090	0.360	0.300	0.350
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	0.300	0.340	0.710	17.400	93.440	120.380	32.400	3.090
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.600	79.800	95.100	59.500	72.200	82.700	89.400	93.100
Transmitting ERP (watts)	93.440	15.510	1.180	0.300	0.350	2.570	34.720	120.380

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	37-16-52.0 N	087-06-06.0 W	150.0	128.0	1043038

Address: 0.4 MI. EAST OF INTERCHANGE OF 58 & W. KY PK WY; IMMED. ESE OF
 City: CENTRAL CITY County: MUHLENBERG State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	50.380	128.750	66.660	8.640	0.500	0.260	0.330	5.430
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	0.300	0.480	13.100	80.300	122.700	38.140	3.840	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	126.500	101.500	105.400	104.300	100.200	87.900	94.300	112.900
Transmitting ERP (watts)	18.570	1.520	0.260	0.340	1.630	26.900	108.950	99.160

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-27-33.0 N	086-17-41.0 W	220.7	128.0	1043037
Address: 0.8 KM SSE OF INT OF W KY PKWY & SR-259					
City: LEITCHFIELD County: GRAYSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	92.370	12.750	0.300	0.450	0.200	0.420	3.510	48.480
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	3.700	26.630	74.790	73.070	22.660	3.610	0.490	0.490
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.500	139.400	136.800	139.500	172.500	127.300	136.600	156.800
Transmitting ERP (watts)	2.080	0.820	0.770	7.520	42.060	84.790	55.750	12.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-59-17.0 N	086-08-53.0 W	202.4	61.0	1043036
Address: 1.6 km ESE of					
City: BRANDENBURG County: MEADE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.800	58.900	109.700	63.200	40.600	55.600	61.600	100.400
Transmitting ERP (watts)	0.480	12.480	87.870	162.090	56.190	6.380	0.330	0.360
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.800	58.900	109.700	63.200	40.600	55.600	61.600	100.400
Transmitting ERP (watts)	5.570	0.500	0.330	0.330	4.740	24.940	42.710	26.730

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	37-24-41.0 N	086-32-12.0 W	233.5	128.0	1043035
Address: 3.2 KM WEST SOUTHWEST OF					
City: CANEYVILLE County: GRAYSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	202.510	94.240	14.690	1.160	1.000	8.520	44.320	169.340

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	37-24-41.0 N	086-32-12.0 W	233.5	128.0	1043035
Address: 3.2 KM WEST SOUTHWEST OF					
City: CANEYVILLE County: GRAYSON State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	20.040	101.220	204.390	162.460	34.720	3.620	0.410	2.990
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	136.900	135.600	147.900	125.100	152.900	161.200	146.000	164.600
Transmitting ERP (watts)	4.910	0.410	2.960	14.520	88.120	204.810	176.590	43.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	36-55-48.0 N	086-56-27.0 W	207.9	60.7	
Address: 6.4 KM SOUTH OF					
City: LEWISBURG County: LOGAN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.400	93.400	82.400	74.500	68.800	70.800	79.200	98.300
Transmitting ERP (watts)	113.650	147.250	38.070	3.570	0.330	0.410	0.870	21.280
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.400	93.400	82.400	74.500	68.800	70.800	79.200	98.300
Transmitting ERP (watts)	0.430	3.180	42.710	147.250	113.650	18.120	1.350	0.330
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.400	93.400	82.400	74.500	68.800	70.800	79.200	98.300
Transmitting ERP (watts)	8.230	0.410	0.330	0.420	9.450	74.650	162.390	71.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-59-27.0 N	086-26-29.0 W	160.9	79.3	1201033
Address: 537 10th Street at Chestnut Street					
City: BOWLING GREEN County: WARREN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	162.390	71.290	8.230	0.410	0.330	0.420	9.450	74.650

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-59-27.0 N	086-26-29.0 W	160.9	79.3	1201033

Address: 537 10th Street at Chestnut Street

City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	0.310	2.780	58.870	89.730	12.030	0.400	0.310	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	60.100	54.500	67.300	54.300	51.400	51.700	45.400	61.600
Transmitting ERP (watts)	0.310	0.310	0.310	0.460	21.160	106.060	35.940	1.760

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	36-50-40.2 N	087-12-42.0 W	256.6	60.7	

Address: 5.8 KM NW OF

City: ELKTON County: TODD State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	112.350	104.850	19.980	1.660	0.300	0.350	1.660	27.580
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	0.940	15.530	144.900	372.460	200.020	26.370	1.550	0.840
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.100	95.500	91.800	117.800	119.100	128.800	118.300	103.200
Transmitting ERP (watts)	4.170	0.300	0.320	0.500	13.510	83.280	126.050	39.860

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-32-55.4 N	087-16-05.4 W	140.2	93.0	1244911

Address: 235 WEST KY 136

City: CALHOUN County: MCLEAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	30.940	106.670	82.330	13.120	0.980	0.240	0.310	2.310

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-32-55.4 N	087-16-05.4 W	140.2	93.0	1244911

Address: 235 WEST KY 136

City: CALHOUN County: MCLEAN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	0.240	0.310	6.850	54.080	117.640	51.650	5.960	0.290
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.300	91.000	88.000	100.800	95.300	104.000	105.400	89.700
Transmitting ERP (watts)	27.580	2.590	0.240	0.300	0.630	15.420	82.330	106.670

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-38-33.2 N	086-42-46.0 W	210.3	60.7	

Address: 6 KM EAST OF

City: FORDSVILLE County: OHIO State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	0.780	18.970	101.290	131.240	33.930	3.180	0.300	0.370
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.000	65.700	96.800	89.400	105.200	118.300	113.200	109.900
Transmitting ERP (watts)	1.200	0.300	0.390	2.840	38.070	131.240	101.290	16.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	38-00-08.4 N	086-19-20.3 W	237.4	103.9	1049227

Address: 1.2 km Northwest of

City: PAYNEVILLE County: MEADE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	172.880	116.290	19.640	1.990	0.530	4.460	28.140	120.910

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	38-00-08.4 N	086-19-20.3 W	237.4	103.9	1049227

Address: 1.2 km Northwest of

City: PAYNEVILLE County: MEADE State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	8.740	48.710	165.560	182.540	70.320	9.950	0.770	1.160
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	115.700	125.400	135.500	103.300	111.300	123.300	141.900	137.900
Transmitting ERP (watts)	4.430	0.370	2.670	13.090	79.440	184.650	159.200	39.500

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
20	37-11-25.0 N	087-11-51.0 W	182.9	66.4	1065886

Address: 701 BASS LANE

City: GREENVILLE County: MUHLENBERG State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	155.980	120.380	19.190	1.430	0.350	0.460	3.370	45.240
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	0.510	13.220	93.080	171.700	62.700	6.760	0.350	0.380
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	103.800	96.500	95.100	84.500	77.800	98.000	117.300	91.200
Transmitting ERP (watts)	2.800	0.350	0.450	1.400	28.440	135.320	145.300	31.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-11-39.2 N	086-15-53.9 W	213.4	52.0	

Address: WATER TOWER ROAD

City: BROWNSVILLE County: EDMONSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	331.960	148.280	17.830	0.910	0.740	0.870	19.100	155.270

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
21	37-11-39.2 N	086-15-53.9 W	213.4	52.0	
Address: WATER TOWER ROAD					
City: BROWNSVILLE County: EDMONSON State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	1.780	43.760	235.010	302.750	81.490	7.780	0.740	0.850
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.000	44.100	63.000	60.300	76.600	76.200	93.300	97.400
Transmitting ERP (watts)	2.960	0.740	0.870	6.470	87.310	302.750	235.010	39.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
22	36-40-28.0 N	086-51-30.0 W	192.9	38.1	
Address: WITHIN THE TOWN OF					
City: ADAIRVILLE County: LOGAN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	148.100	65.400	7.600	0.390	0.300	0.430	8.720	70.070
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	1.830	30.180	122.250	111.260	20.840	1.700	0.300	0.380
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	35.900	37.000	29.900	34.100	29.900	40.700	57.000	48.700
Transmitting ERP (watts)	2.360	0.300	0.370	1.180	23.930	113.860	122.250	26.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
23	37-13-17.0 N	086-42-02.0 W	190.8	57.9	
Address: Morgantown Downtown, Approx 1.5 KM (1.0 MI) ENE OF					
City: MORGANTOWN County: BUTLER State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	42.710	147.250	113.650	18.120	1.350	0.330	0.430	3.180

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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23	37-13-17.0 N	086-42-02.0 W	190.8	57.9	
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Address: Morgantown Downtown, Approx 1.5 KM (1.0 MI) ENE OF

City: MORGANTOWN County: BUTLER State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	0.330	0.420	9.450	74.650	162.390	71.290	8.230	0.410
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	102.300	72.100	81.900	88.300	85.600	94.300	111.800	102.700
Transmitting ERP (watts)	38.070	3.570	0.330	0.410	0.870	21.280	113.650	147.250

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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24	37-38-30.2 N	086-28-14.9 W	202.7	50.2	
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Address: Rough River, 9.5KM (6.0 MI) SW OF

City: KINGSWOOD County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	264.330	116.050	13.400	0.660	0.540	0.690	15.390	121.520
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	1.420	34.650	184.990	239.690	61.970	5.820	0.540	0.670
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	43.600	58.600	57.500	57.700	60.100	89.000	70.700	65.400
Transmitting ERP (watts)	2.200	0.540	0.700	5.180	69.530	239.690	184.990	29.490

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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25	36-51-02.0 N	086-42-26.0 W	198.1	59.4	
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Address: JCT. SR-103 & SR-603, APPROX. 3.2 KM SW OF

City: AUBURN County: LOGAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	65.800	54.700	38.200	54.400	60.300	51.100	56.100
Transmitting ERP (watts)	124.760	162.210	90.940	14.810	1.300	0.640	5.680	30.740

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
25	36-51-02.0 N	086-42-26.0 W	198.1	59.4	

Address: JCT. SR-103 & SR-603, APPROX. 3.2 KM SW OF
 City: AUBURN County: LOGAN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	65.800	54.700	38.200	54.400	60.300	51.100	56.100
Transmitting ERP (watts)	1.480	8.260	53.490	159.390	161.650	53.380	6.730	0.530
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	65.800	54.700	38.200	54.400	30.300	51.100	56.100
Transmitting ERP (watts)	41.260	4.310	0.490	3.550	23.820	120.300	242.920	193.090

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
26	37-23-00.0 N	086-52-28.0 W	163.4	125.3	1043042

Address: 1.6 KM SSE
 City: BEAVER DAM County: OHIO State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	3.020	33.930	100.130	64.650	9.650	0.650	0.240	0.270
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	0.240	0.250	0.310	8.140	56.310	104.850	38.950	4.370
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.600	102.300	92.500	117.700	113.600	112.400	112.300	132.200
Transmitting ERP (watts)	100.130	31.660	3.320	0.240	0.260	0.400	10.730	66.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	37-02-39.4 N	086-10-59.9 W	212.8	106.4	1213318

Address: 470 Hayes Road
 City: Smiths Grove County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.300	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	96.880	58.040	4.690	0.270	0.190	0.360	4.280	56.720

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
27	37-02-39.4 N	086-10-59.9 W	212.8	106.4	1213318
Address: 470 Hayes Road					
City: Smiths Grove County: WARREN State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.600	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	0.970	16.520	117.640	131.230	43.210	2.250	0.300	0.270
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	101.600	97.700	91.800	90.100	117.500	131.500	124.400	116.400
Transmitting ERP (watts)	0.570	0.190	0.210	1.560	29.210	92.910	81.390	12.800

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
28	36-44-52.5 N	086-11-51.7 W	219.4	77.7	1219613
Address: Downtown					
City: Scottsville County: ALLEN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	148.300	99.760	16.850	1.700	0.460	3.820	24.140	103.720
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	7.500	41.790	142.020	156.580	60.320	8.540	0.660	0.990
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	85.000	66.900	61.300	43.400	61.400	63.100	73.600	85.500
Transmitting ERP (watts)	3.800	0.320	2.290	11.230	68.150	158.400	136.570	33.890

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-52-14.6 N	086-16-43.1 W	243.8	39.6	
Address: Irvington WT, 1.0 km ESE of					
City: Irvington County: BRECKINRIDGE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	47.930	165.220	127.520	20.330	1.520	0.370	0.480	3.570

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
29	37-52-14.6 N	086-16-43.1 W	243.8	39.6	
Address: Irvington WT, 1.0 km ESE of					
City: Irvington County: BRECKINRIDGE State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	0.370	0.480	10.610	83.760	182.210	79.990	9.240	0.460
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	72.800	71.900	56.800	59.600	69.700	80.000	110.200	67.900
Transmitting ERP (watts)	42.710	4.010	0.370	0.460	0.980	23.880	127.520	165.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
30	37-56-31.2 N	086-03-37.8 W	193.5	77.7	1221515
Address: 0.8 km North Northwest of					
City: Licksillet County: MEADE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	61.740	82.330	23.470	2.370	0.260	0.260	0.510	11.360
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	0.380	3.220	20.310	87.270	124.780	83.940	14.180	1.430
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	63.900	127.200	65.800	54.400	36.100	30.500	59.300	102.600
Transmitting ERP (watts)	14.180	1.430	0.380	3.220	20.310	87.270	124.780	83.940

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	36-57-06.0 N	086-26-12.0 W	166.1	16.8	
Address: Downtown					
City: Bowling Green County: WARREN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
31	36-57-06.0 N	086-26-12.0 W	166.1	16.8	
Address: Downtown					
City: Bowling Green County: WARREN State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	29.900	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
32	37-59-31.1 N	086-11-44.3 W	187.7	77.7	1232593
Address: 1.6 km West of					
City: Brandenburg County: MEADE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	9.710	60.570	96.350	32.270	3.500	0.300	0.300	0.420
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	0.300	0.380	8.420	66.540	144.730	63.540	7.340	0.360
Antenna: 4 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.400	56.600	82.400	34.400	36.100	41.000	40.100	67.700
Transmitting ERP (watts)	28.390	3.310	0.300	0.380	0.830	17.510	70.860	87.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-56-46.1 N	085-59-38.4 W	222.8	57.3	1200354
Address: 115 Timber Ct.					
City: Muldraugh County: MEADE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	57.050	54.960	17.180	1.960	0.330	0.430	1.840	21.320

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
33	37-56-46.1 N	085-59-38.4 W	222.8	57.3	1200354

Address: 115 Timber Ct.

City: Muldraugh County: MEADE State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	0.380	0.800	19.520	104.850	135.070	36.350	3.470	0.330
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.500	85.900	93.700	56.800	54.600	40.300	67.400	81.700
Transmitting ERP (watts)	2.570	0.330	0.390	1.200	24.580	114.960	156.050	28.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
34	37-46-03.7 N	086-26-10.4 W	219.5	45.7	

Address: Hardinsburg Water Tank, 3.0 km SE of

City: Hardinsburg County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	182.210	79.990	9.240	0.460	0.370	0.480	10.610	83.760
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	0.980	23.880	127.520	165.220	42.710	4.010	0.370	0.460
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	77.900	54.500	36.600	52.000	74.200	60.600	78.300	83.900
Transmitting ERP (watts)	1.520	0.370	0.480	3.570	47.930	165.220	127.520	20.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	36-42-08.6 N	086-33-19.0 W	217.0	114.3	1200032

Address: Franklin South, Turners Ford Road

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	8.520	69.270	148.100	66.150	7.950	0.410	0.330	0.390

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
35	36-42-08.6 N	086-33-19.0 W	217.0	114.3	1200032

Address: Franklin South, Turners Ford Road

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	0.620	0.330	0.370	6.170	57.620	148.100	79.530	10.480
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	67.800	58.900	47.700	34.900	56.000	62.700	57.000
Transmitting ERP (watts)	125.050	28.220	2.570	0.330	0.390	1.200	24.580	114.960

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
36	36-44-58.7 N	087-01-10.9 W	179.8	37.5	

Address: Russellville Southwest, 0.8 km SW of

City: Olmstead County: LOGAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750	7.180	0.550	0.830
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	31.500	45.900	38.200	39.100	29.900	29.900
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340	133.270	114.910	28.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	36-49-37.9 N	086-18-51.3 W	192.0	77.7	1232590

Address: Allen Northwest cell, 13.7 km Northwest of

City: Scottsville County: ALLEN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	0.540	4.010	53.770	185.380	143.070	22.810	1.700	0.420

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
37	36-49-37.9 N	086-18-51.3 W	192.0	77.7	1232590

Address: Allen Northwest cell, 13.7 km Northwest of

City: Scottsville County: ALLEN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	0.400	0.290	0.290	0.290	5.380	93.450	104.850	10.250
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	102.800	60.100	49.200	58.900	71.000	89.900	100.000
Transmitting ERP (watts)	211.380	60.790	7.140	0.540	2.800	11.880	85.700	226.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
38	36-55-15.1 N	086-25-38.5 W	171.0	62.5	1210120

Address: 1140 Three Springs Road

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	41.740	24.340	4.420	0.400	0.330	0.330	3.510	21.690
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	0.870	21.280	113.650	147.250	38.070	3.570	0.330	0.410
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	67.900	45.500	40.600	40.900	36.000	40.900	56.100
Transmitting ERP (watts)	1.130	0.260	0.370	2.600	30.680	93.270	73.680	13.650

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	36-49-54.5 N	086-29-39.3 W	192.6	66.1	1202759

Address: Warren South, 3184 Woodburn-Allen Springs Road

City: Woodburn County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	157.120	103.520	17.130	1.570	0.350	3.440	23.000	104.220

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
39	36-49-54.5 N	086-29-39.3 W	192.6	66.1	1202759

Address: Warren South, 3184 Woodburn-Allen Springs Road

City: Woodburn County: WARREN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	6.890	41.510	144.360	164.760	61.880	8.540	0.570	0.780
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	58.500	58.500	57.100	39.300	32.800	33.900	35.000	49.400
Transmitting ERP (watts)	0.610	0.310	0.310	0.310	2.120	58.290	121.780	19.300

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
40	37-03-19.5 N	086-35-24.6 W	184.4	67.1	1219414

Address: Warren Northwest cell, Old Morgantown Road

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	0.560	0.300	0.370	6.090	56.530	144.460	74.790	9.690
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	91.800	71.100	64.500	67.200	57.900	67.700	67.900	70.300
Transmitting ERP (watts)	101.290	16.150	1.200	0.300	0.390	2.840	38.070	131.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	37-08-05.9 N	087-01-05.2 W	187.8	77.7	1278320

Address: Muhlenberg South, 21 Myers Chapel Road

City: Belton County: MUHLENBERG State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	110.500	126.100	111.400	114.500	86.400	73.900	100.200	112.200
Transmitting ERP (watts)	124.780	83.940	14.180	1.430	0.380	3.220	20.310	87.270

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
41	37-08-05.9 N	087-01-05.2 W	187.8	77.7	1278320
Address: Muhlenberg South, 21 Myers Chapel Road					
City: Belton County: MUHLENBERG State: KY Construction Deadline:					
Antenna: 2 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	110.500	126.100	111.400	114.500	86.400 73.900 100.200 112.200
Transmitting ERP (watts)	6.310	35.160	119.490	131.750	50.750 7.180 0.550 0.830
Antenna: 3 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	110.500	126.100	111.400	114.500	86.400 73.900 100.200 112.200
Transmitting ERP (watts)	3.200	0.270	1.930	9.450	57.340 133.270 114.910 28.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
42	37-00-06.1 N	086-19-52.5 W	161.2	77.4	1207196
Address: Bowling Green Corvette site, 1188 Red Pond Road					
City: Bowling Green County: WARREN State: KY Construction Deadline:					
Antenna: 1 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	48.300	48.300	47.300	66.500	54.700 68.100 79.200 59.700
Transmitting ERP (watts)	149.820	65.780	7.600	0.370	0.310 0.390 8.720 68.880
Antenna: 2 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	48.300	48.300	47.300	66.500	54.700 68.100 79.200 59.700
Transmitting ERP (watts)	0.850	18.620	85.580	108.340	31.760 3.380 0.310 0.410
Antenna: 3 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	48.300	48.300	47.300	66.500	54.700 68.100 79.200 59.700
Transmitting ERP (watts)	1.320	0.310	0.430	3.020	35.640 108.340 85.580 15.850

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-50-10.4 N	086-35-44.7 W	225.6	77.7	1242951
Address: Breckinridge West, 1.6 km ENE of					
City: Cloverport County: BRECKINRIDGE State: KY Construction Deadline:					
Antenna: 1 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	138.300	128.300	120.400	132.900	123.200 133.200 139.400 156.600
Transmitting ERP (watts)	63.170	117.640	43.710	4.900	0.260 0.280 0.350 9.130

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
43	37-50-10.4 N	086-35-44.7 W	225.6	77.7	1242951

Address: Breckinridge West, 1.6 km ENE of

City: Cloverport County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	0.310	2.290	30.940	107.290	83.280	13.820	1.050	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	138.300	128.300	120.400	132.900	123.200	133.200	139.400	156.600
Transmitting ERP (watts)	4.400	0.370	0.370	0.530	12.230	76.250	121.300	40.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
44	37-51-15.4 N	086-06-03.2 W	303.9	67.4	1042711

Address: Garrett, State Road 44 (092010 / Fort Knox)

City: FORT KNOX County: MEADE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	79.530	54.370	13.580	1.630	0.410	3.580	18.240	54.730
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	5.460	32.920	114.480	130.660	49.070	6.770	0.450	0.620
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	153.600	154.600	149.600	132.900	121.400	131.200	143.100	146.300
Transmitting ERP (watts)	2.950	0.270	1.500	8.200	53.810	130.660	112.910	27.380

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-52-54.4 N	086-12-42.9 W	274.3	29.0	

Address: Meade South, 1.4 km southeast of

City: Guston County: MEADE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	4.970	37.720	85.280	49.710	8.130	0.540	0.260	0.330

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

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File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
45	37-52-54.4 N	086-12-42.9 W	274.3	29.0	
Address: Meade South, 1.4 km southeast of					
City: Guston County: MEADE State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	1.870	0.260	0.280	0.860	17.310	81.910	91.780	21.270
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	109.800	103.800	82.400	63.100	79.200	105.900	114.800	76.100
Transmitting ERP (watts)	67.960	31.280	4.680	0.260	0.300	0.380	7.690	41.430

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
46	36-54-15.9 N	086-36-29.1 W	202.7	83.8	1200363
Address: Warren-Logan cell, 11372 Russellville Road					
City: Rockfield County: WARREN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	19.380	98.240	108.110	44.550	2.720	0.270	0.230	1.010
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	0.270	0.270	5.300	90.270	100.820	9.580	0.400	0.270
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	105.100	84.600	84.000	77.200	66.700	61.500	67.700	81.100
Transmitting ERP (watts)	0.880	0.230	0.310	2.530	42.550	110.630	96.000	20.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	37-24-19.0 N	086-42-17.0 W	199.9	94.5	1213965
Address: Ohio West, 3893 State Route 505 South					
City: Horse Branch County: OHIO State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	117.640	63.170	8.330	0.490	0.260	0.300	4.900	45.770

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
47	37-24-19.0 N	086-42-17.0 W	199.9	94.5	1213965

Address: Ohio West, 3893 State Route 505 South

City: Horse Branch County: OHIO State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	1.260	33.960	209.410	316.960	100.230	10.500	0.740	0.810
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	112.900	104.700	91.700	117.300	127.400	134.600	135.400	100.900
Transmitting ERP (watts)	1.480	0.260	0.310	1.480	24.580	100.120	93.440	17.800

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
48	36-57-24.8 N	086-28-42.2 W	167.0	84.1	1056469

Address: 3090 Fitzgerald Industrial Drive

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	61.180	69.730	7.330	0.310	0.310	0.310	0.310	3.930
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	0.310	2.460	45.980	65.510	8.220	0.390	0.310	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	71.400	63.700	65.900	62.600	44.100	41.900	36.500	59.500
Transmitting ERP (watts)	1.080	0.260	0.280	1.840	17.800	47.490	39.840	10.320

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	36-49-53.1 N	086-54-51.9 W	253.9	78.6	1043422

Address: RUSSELLVILLE WEST, 0.64 KM NORTH OF HWY 79, 0.16 KM WEST OF HWY 68 BYPASS

City: LEWISBURG County: LOGAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	151.070	101.210	20.030	2.250	0.630	5.060	28.690	105.230

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
49	36-49-53.1 N	086-54-51.9 W	253.9	78.6	1043422

Address: RUSSELLVILLE WEST, 0.64 KM NORTH OF HWY 79, 0.16 KM WEST OF HWY 68 BYPASS

City: LEWISBURG County: LOGAN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	9.170	55.270	192.200	219.360	82.390	11.370	0.760	1.030
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	100.000	79.700	100.100	113.000	110.200	90.700	106.900
Transmitting ERP (watts)	4.520	0.380	2.720	13.340	81.000	188.260	162.320	40.280

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
50	37-05-38.9 N	086-25-49.5 W	217.6	103.6	1232131

Address: Richardsville, 604 Scroggins Road

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.300	97.200	74.500	103.300	110.500	127.000	127.000	111.000
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.300	97.200	74.500	103.300	110.500	100.500	127.000	111.000
Transmitting ERP (watts)	0.780	18.970	101.290	131.240	33.930	3.180	0.300	0.370
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.300	97.200	74.500	103.300	110.500	100.500	127.000	111.000
Transmitting ERP (watts)	1.200	0.300	0.390	2.840	38.070	131.240	101.290	16.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	37-31-30.4 N	086-55-04.2 W	195.7	97.8	1214609

Address: Beda, 729 Sherwood Drive

City: Hartford County: OHIO State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	38.070	131.240	101.290	16.150	1.200	0.300	0.390	2.840

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
51	37-31-30.4 N	086-55-04.2 W	195.7	97.8	1214609

Address: Beda, 729 Sherwood Drive

City: Hartford County: OHIO State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	0.340	0.540	14.700	90.110	137.670	42.790	4.300	0.300
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	100.300	110.100	108.400	122.200	117.000	103.100	107.200
Transmitting ERP (watts)	52.750	5.690	0.300	0.320	0.430	11.130	78.320	144.460

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
52	37-29-36.0 N	086-11-16.5 W	221.9	83.8	1217206

Address: Braton Road

City: Clarkson County: GRAYSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	23.930	113.860	122.250	26.290	2.360	0.300	0.370	1.180
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	2.360	0.300	0.370	1.180	23.930	113.860	122.250	26.290
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.100	57.600	68.100	71.000	82.900	101.700	77.300	93.100
Transmitting ERP (watts)	103.640	9.240	0.340	0.270	0.270	0.270	5.700	92.370

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	37-31-11.9 N	087-09-13.7 W	141.7	95.4	1018270

Address: 550 SCHNEIDER TANNER ROAD

City: LIVERMORE County: MCLEAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	73.900	149.230	118.620	25.350	2.650	0.300	2.180	14.630

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
53	37-31-11.9 N	087-09-13.7 W	141.7	95.4	1018270

Address: 550 SCHNEIDER TANNER ROAD

City: LIVERMORE County: MCLEAN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	0.570	5.060	27.400	111.190	144.570	81.050	13.200	1.160
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	69.100	70.300	81.600	92.100	93.900	102.600	85.400
Transmitting ERP (watts)	47.570	6.000	0.480	1.320	7.360	47.670	142.060	144.070

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
54	37-19-05.4 N	086-12-12.3 W	231.6	83.8	1235514

Address: Nolin Lake North, 1900 Dickey's Mill Road

City: Mammoth Cave County: EDMONSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	117.640	54.390	6.620	0.360	0.300	0.330	6.460	54.390
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	3.300	11.570	54.260	67.250	19.880	3.340	0.340	0.490
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	93.200	91.500	87.800	91.400	103.800	115.800	129.600	104.400
Transmitting ERP (watts)	1.110	0.300	0.320	2.200	30.710	107.710	83.920	14.420

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
55	36-40-20.5 N	086-15-11.1 W	239.6	60.7	

Address: Allen South, 371 Andrew Jackson Highway

City: Adolphus County: ALLEN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	117.640	63.170	8.330	0.490	0.260	0.300	4.900	45.770

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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55	36-40-20.5 N	086-15-11.1 W	239.6	60.7	
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Address: Allen South, 371 Andrew Jackson Highway

City: Adolphus County: ALLEN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	0.490	8.150	38.780	44.150	11.680	1.200	0.260	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	87.000	70.200	64.700	57.200	44.500	66.500	82.700	88.700
Transmitting ERP (watts)	4.900	0.260	0.280	0.350	9.130	63.170	117.640	43.710

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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56	36-42-03.8 N	086-23-15.8 W	226.2	77.7	1263047
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Address: Alonzo, 4651 Perrytown Road

City: Franklin County: ALLEN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	111.060	68.480	3.430	0.250	0.370	0.250	1.220	16.430
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	1.480	24.580	100.120	93.440	17.800	1.480	0.260	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	97.300	87.900	75.000	66.000	77.000	88.300	100.400
Transmitting ERP (watts)	10.730	0.730	0.260	0.300	3.390	38.070	112.340	72.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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57	36-53-20.1 N	086-12-48.7 W	203.9	77.7	1264536
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Address: Allen North, 173 Ray Vernon Lane

City: Scottsville County: ALLEN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	12.040	74.220	112.340	35.530	3.720	0.260	0.290	0.450

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
57	36-53-20.1 N	086-12-48.7 W	203.9	77.7	1264536
Address: Allen North, 173 Ray Vernon Lane					
City: Scottsville County: ALLEN State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	0.260	0.310	1.480	24.580	100.120	93.440	17.800	1.480
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.400	87.800	105.100	69.200	68.400	92.400	105.300	118.000
Transmitting ERP (watts)	63.170	8.330	0.490	0.260	0.300	4.900	45.770	117.640

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
58	37-07-58.9 N	086-13-12.8 W	197.8	77.7	1263384
Address: Edmonson South, 466 Rhea Road					
City: Smiths Grove County: EDMONSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
Transmitting ERP (watts)	0.690	16.910	90.270	116.960	30.240	2.840	0.260	0.330
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.900	74.500	47.600	73.500	83.900	88.000	89.200	76.800
Transmitting ERP (watts)	1.070	0.260	0.340	2.530	33.930	116.960	90.270	14.390

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	37-13-31.0 N	086-07-40.6 W	262.1	58.0	
Address: Near entrance to Mammoth Cave Park					
City: Mammoth Cave County: EDMONSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	170.670	78.910	9.600	0.520	0.430	0.480	9.380	78.910

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
59	37-13-31.0 N	086-07-40.6 W	262.1	58.0	
Address: Near entrance to Mammoth Cave Park					
City: Mammoth Cave County: EDMONSON State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	0.920	21.900	118.970	156.260	43.540	4.210	0.430	0.450
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.200	91.300	119.200	86.600	117.300	116.700	135.200	124.600
Transmitting ERP (watts)	1.600	0.430	0.470	3.190	44.550	156.260	121.750	20.910

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
60	37-23-49.1 N	087-08-43.7 W	135.0	94.2	1244765
Address: Bremen, 12849 Kentucky Highway					
City: CENTRAL CITY County: MUHLENBERG State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260	0.340	3.750	40.860
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
Transmitting ERP (watts)	0.330	5.430	50.380	128.750	66.660	8.640	0.500	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.200	93.400	74.900	83.100	73.300	66.600	87.200	92.000
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	37-57-06.1 N	086-24-38.3 W	260.0	96.3	1043429
Address: HWY 144, 4.8 KM (3 MILES) EAST OF					
City: UNION STAR County: BRECKINRIDGE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	100.130	64.650	9.560	0.650	0.240	0.270	3.020	33.930

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
61	37-57-06.1 N	086-24-38.3 W	260.0	96.3	1043429

Address: HWY 144, 4.8 KM (3 MILES) EAST OF

City: UNION STAR County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	0.310	8.140	56.310	104.850	38.950	4.370	0.240	0.250
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	155.100	133.800	120.800	135.100	151.300	176.200	170.600	164.100
Transmitting ERP (watts)	1.820	0.240	0.280	0.850	17.400	81.390	89.240	19.980

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
62	37-32-44.1 N	086-18-58.4 W	200.9	77.7	1258451

Address: 2408 Hanging Rock Road

City: Leitchfield County: GRAYSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	97.150	35.730	4.550	0.310	0.380	0.580	13.630	68.070
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	75.500	84.400	70.100	67.400	67.900	86.700	82.300	95.400
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	36-41-48.4 N	087-07-44.2 W	176.5	60.7	1274279

Address: 4799 Russellville Road

City: Allensville County: TODD State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	19.520	91.310	100.120	22.420	2.040	0.260	0.310	0.960

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
63	36-41-48.4 N	087-07-44.2 W	176.5	60.7	1274279

Address: 4799 Russellville Road

City: Allensville County: TODD State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	0.260	0.290	0.450	12.040	74.220	112.340	35.530	3.720
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	39.500	56.100	59.000	64.900	64.800	67.600	57.500	49.800
Transmitting ERP (watts)	72.530	10.730	0.730	0.260	0.300	3.390	38.070	112.340

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
64	37-14-00.7 N	086-28-02.1 W	183.2	103.6	1231934

Address: 109 Peach Road North

City: Roundhill County: BUTLER State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	363.980	159.800	18.450	0.910	0.740	0.950	21.190	167.330
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	1.950	47.700	254.680	329.990	85.310	8.010	0.740	0.920
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.400	90.500	87.200	101.000	93.800	118.600	91.600	91.500
Transmitting ERP (watts)	3.030	0.740	0.970	7.140	95.740	330.050	254.730	40.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-52-03.2 N	086-41-39.8 W	149.0	60.7	

Address: Hancock South, 4586 Midway Lane

City: Hawesville County: HANCOCK State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	115.500	73.040	10.410	0.540	0.280	0.490	4.480	36.360

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
65	37-52-03.2 N	086-41-39.8 W	149.0	60.7	
Address: Hancock South, 4586 Midway Lane					
City: Hawesville County: HANCOCK State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	3.060	20.470	92.740	139.820	92.120	15.240	1.400	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	42.800	44.700	66.200	57.400	29.900	51.200	52.700	89.200
Transmitting ERP (watts)	14.390	1.320	0.300	2.890	19.320	87.550	132.000	86.970

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
66	37-48-20.2 N	086-28-22.4 W	213.7	98.8	1215268
Address: Hardinsburg North, West side of Finley/Dowell Road					
City: Hardinsburg County: BRECKINRIDGE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	65.140	85.560	23.840	2.300	0.240	0.240	0.510	11.990
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	0.260	1.750	24.390	85.560	66.660	11.450	0.880	0.240
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.700	128.800	92.100	83.000	91.500	112.900	146.900	129.700
Transmitting ERP (watts)	5.250	0.290	0.240	0.260	5.140	43.210	93.440	43.210

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-31-51.2 N	086-28-23.9 W	192.0	123.4	1244902
Address: 3690 FALLS OF ROUGH ROAD					
City: SHORT CREEK County: GRAYSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	30.940	107.290	83.280	13.820	1.050	0.260	0.310	2.290

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
67	37-31-51.2 N	086-28-23.9 W	192.0	123.4	1244902
Address: 3690 FALLS OF ROUGH ROAD					
City: SHORT CREEK County: GRAYSON State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	0.260	0.310	6.770	55.020	117.640	52.550	6.320	0.320
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	81.800	72.500	68.000	60.600	85.600	82.500	104.300	89.800
Transmitting ERP (watts)	28.880	2.760	0.260	0.300	0.630	15.510	83.280	107.290

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
68	37-19-34.6 N	086-57-44.7 W	167.0	83.8	1217201
Address: Western KY Parkway, 256 Pond Run Church Road					
City: Beaver Dam County: OHIO State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	33.930	116.960	90.270	14.390	1.070	0.260	0.340	2.530
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	93.500	89.600	96.400	94.000	100.700	102.100	97.600
Transmitting ERP (watts)	88.210	8.620	0.340	0.240	0.240	0.240	4.520	78.620

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
69	37-16-08.2 N	086-40-27.4 W	175.0	77.7	1268018
Address: Welcome, 224 Cook Road					
City: Morgantown County: BUTLER State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	117.640	52.550	6.320	0.320	0.260	0.310	6.770	55.020

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
69	37-16-08.2 N	086-40-27.4 W	175.0	77.7	1268018
Address: Welcome, 224 Cook Road					
City: Morgantown County: BUTLER State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	0.630	15.510	83.280	107.290	28.880	2.760	0.260	0.300
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.800	67.500	90.400	96.600	102.900	98.300	116.100	103.600
Transmitting ERP (watts)	1.050	0.260	0.310	2.290	30.940	107.290	83.280	13.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
70	37-12-05.9 N	087-02-26.4 W	153.0	111.3	1231935
Address: 1317 US HWY 431					
City: DRAKESBORO County: MUHLENBERG State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	102.460	44.990	5.190	0.260	0.210	0.270	5.960	47.110
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	0.550	13.430	71.710	92.910	24.020	2.250	0.210	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.300	109.400	98.200	89.900	81.000	80.100	89.600	94.400
Transmitting ERP (watts)	0.850	0.210	0.270	2.010	26.950	92.910	71.710	11.430

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
71	36-58-34.3 N	086-57-59.8 W	190.2	93.0	1246006
Address: Lewinsburg Downtown, Spa Road					
City: LEWISBURG County: LOGAN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	100.120	93.440	17.800	1.480	0.260	0.310	1.480	24.580

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
71	36-58-34.3 N	086-57-59.8 W	190.2	93.0	1246006

Address: Lewinsburg Downtown, Spa Road
 City: LEWISBURG County: LOGAN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	0.300	4.900	45.770	117.640	63.170	8.330	0.490	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	103.300	93.900	90.700	82.900	85.300	84.200	89.200
Transmitting ERP (watts)	2.040	0.260	0.310	0.960	19.520	91.310	100.120	22.420

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
72	37-02-45.0 N	086-21-53.0 W	167.6	102.7	1046177

Address: Bristow, KY Hwy 526, 5.9 MI (9.5 km) NE of
 City: BOWLING GREEN County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	144.730	63.540	7.340	0.360	0.300	0.380	8.420	66.540
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	0.640	15.100	82.010	107.710	30.010	2.900	0.300	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	48.600	42.800	42.800	67.000	66.800	77.800	53.600	55.000
Transmitting ERP (watts)	1.180	0.300	0.350	2.570	34.720	120.380	93.440	15.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
73	36-48-17.7 N	087-09-29.0 W	195.1	37.0	

Address: Elkton Downtown, Water Tank within the Town of
 City: Elkton County: TODD State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	0.330	0.390	2.890	38.950	135.070	104.850	17.400	1.320

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
73	36-48-17.7 N	087-09-29.0 W	195.1	37.0	

Address: Elkton Downtown, Water Tank within the Town of
 City: Elkton County: TODD State: KY Construction Deadline:

Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	186.670	22.440	1.150	0.940	1.100	24.050	195.470	417.910
Antenna: 4 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	29.900	36.400	49.400	47.700	51.300	46.600	29.900
Transmitting ERP (watts)	69.360	324.400	355.700	79.630	7.260	0.940	1.100	3.400

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
74	36-45-37.5 N	086-43-02.9 W	197.2	77.7	1268208

Address: Middleton, 2514 Neely Road
 City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	108.950	99.160	18.570	1.520	0.260	0.340	1.630	26.900
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	0.340	7.510	59.300	128.990	56.630	6.540	0.320	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	65.100	67.700	65.900	61.000	73.500	89.900	84.400	76.100
Transmitting ERP (watts)	6.540	0.320	0.260	0.340	7.510	59.300	128.990	56.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
75	36-44-33.6 N	086-30-05.7 W	209.4	74.7	1057217

Address: Simpson I-65, 680 Phillips Lane
 City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	113.860	122.250	26.290	2.360	0.300	0.370	1.180	23.930

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
75	36-44-33.6 N	086-30-05.7 W	209.4	74.7	1057217

Address: Simpson I-65, 680 Phillips Lane

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	0.430	11.130	78.320	144.460	52.750	5.690	0.300	0.320
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	74.500	60.400	58.100	45.300	43.900	54.700	56.900	65.000
Transmitting ERP (watts)	0.830	0.300	0.380	4.210	45.850	137.670	88.060	12.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
76	36-41-45.2 N	086-08-55.9 W	299.9	42.7	

Address: Allen Southeast, 7.0 km southeast of

City: Scottsville County: ALLEN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	156.880	103.360	17.100	1.570	0.350	3.430	22.970	104.060
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	6.870	41.440	144.130	164.500	61.780	8.520	0.570	0.770
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	108.900	124.900	127.700	96.400	75.800	97.900	122.100	116.000
Transmitting ERP (watts)	1.120	0.240	0.870	3.340	18.280	65.860	50.650	9.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
77	37-41-44.8 N	086-25-06.2 W	210.6	77.7	1262107

Address: Kingswood, 1065 Stinnett-Taul Lane

City: Harned County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	6.770	55.020	117.640	52.550	6.320	0.320	0.260	0.310

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
77	37-41-44.8 N	086-25-06.2 W	210.6	77.7	1262107

Address: Kingswood, 1065 Sinnott-Taul Lane

City: Harned County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	0.260	0.300	3.390	38.070	112.340	72.530	10.730	0.730
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	78.900	76.900	78.500	81.600	105.100	108.200	91.500	108.400
Transmitting ERP (watts)	112.340	35.530	3.720	0.260	0.290	0.450	12.040	74.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
78	36-54-24.5 N	086-19-35.4 W	172.8	77.7	1275463

Address: Claypool, 2818 Alvaton-Greenhill Road

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.200	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	18.240	82.650	124.610	82.100	13.580	1.250	0.280	2.730
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.200	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	0.450	0.620	5.460	32.920	114.480	130.660	49.070	6.770
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.200	76.200	79.200	52.800	60.600	78.000	69.500	86.500
Transmitting ERP (watts)	112.910	27.380	2.950	0.270	1.500	8.200	53.810	130.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
79	37-54-07.2 N	086-31-56.1 W	185.9	30.3	

Address: 1.0 km SSW of

City: Stephensports County: BRECKINRIDGE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	20.210	136.640	63.910	3.510	0.310	-0.310	0.310	0.340

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
79	37-54-07.2 N	086-31-56.1 W	185.9	30.3	
Address: 1.0 km SSW of					
City: Stephensport County: BRECKINRIDGE State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	0.310	0.310	3.510	82.330	124.620	15.330	0.570	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	29.900	49.700	43.700	40.700	48.900	79.700	37.400
Transmitting ERP (watts)	5.190	0.310	0.310	0.310	0.310	13.660	127.520	78.630

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
80	37-42-39.3 N	086-31-34.6 W	218.5	77.7	1272916
Address: 245 Dejarnette Lane					
City: McQuady County: BRECKINRIDGE State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	128.360	93.210	17.180	1.520	0.270	1.720	14.250	71.470
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	4.860	26.750	105.570	130.690	59.850	9.030	0.640	0.460
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	122.000	93.600	90.700	109.100	120.100	106.500	93.000	113.900
Transmitting ERP (watts)	3.780	0.270	1.280	5.690	46.750	127.920	120.460	33.780

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
81	37-29-16.7 N	086-16-14.7 W	231.6	44.2	
Address: Leitchfield WT, 1.5 km East of					
City: Leitchfield County: GRAYSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	127.520	78.630	5.190	0.310	0.310	0.310	0.310	13.660

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
81	37-29-16.7 N	086-16-14.7 W	231.6	44.2	
Address: Leitchfield WT, 1.5 km East of					
City: Leitchfield County: GRAYSON State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	0.310	0.790	40.320	146.410	38.510	1.570	0.310	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	84.200	71.900	49.000	65.200	69.200	59.900	55.400	68.100
Transmitting ERP (watts)	0.570	0.310	0.310	0.310	3.510	82.330	124.620	15.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
82	37-12-13.0 N	086-52-35.7 W	161.2	77.7	1263383
Address: 354 New Cut Road North					
City: Rochester County: BUTLER State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
Transmitting ERP (watts)	63.170	117.640	43.710	4.900	0.260	0.280	0.350	9.130
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
Transmitting ERP (watts)	0.310	0.960	19.520	91.310	100.120	22.420	2.040	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.200	104.300	79.800	74.100	80.300	95.900	89.700	112.900
Transmitting ERP (watts)	10.730	0.730	0.260	0.300	3.390	38.070	112.340	72.530

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
83	36-45-39.5 N	086-51-51.6 W	186.6	77.7	1256442
Address: Logan South, 75 Hall Store Road					
City: Russellville County: LOGAN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	128.990	56.630	6.540	0.320	0.260	0.340	7.510	59.300

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
83	36-45-39.5 N	086-51-51.6 W	186.6	77.7	1256442

Address: Logan South, 75 Hall Store Road

City: Russellville County: LOGAN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	0.340	2.530	33.930	116.960	90.270	14.390	1.070	0.260
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	70.500	51.300	69.000	75.700	80.000	87.100	81.800	59.200
Transmitting ERP (watts)	3.840	0.260	0.300	0.480	13.100	80.300	122.700	38.140

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
84	36-58-47.9 N	086-23-20.0 W	155.1	56.4	1241356

Address: Bowling Green Cemetery Road, 3700 Cumberland Trace Cell

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	129.890	61.320	3.430	0.310	0.310	0.310	0.450	18.690
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	0.310	3.260	77.190	119.560	14.880	0.420	0.310	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	29.900	35.000	33.800	29.900	39.200	29.900	29.900	54.700
Transmitting ERP (watts)	0.310	0.310	0.310	0.570	26.700	136.640	48.150	2.270

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
85	36-53-34.0 N	086-24-38.0 W	184.4	46.7	

Address: Plano Water Tank, 9.0 SSE of

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	1.340	39.400	76.830	11.900	0.480	0.240	0.240	0.240

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
85	36-53-34.0 N	086-24-38.0 W	184.4	46.7	
Address: Plano Water Tank, 9.0 SSE of					
City: Bowling Green County: WARREN State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	0.240	0.240	0.240	5.320	66.920	53.150	4.220	0.240
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	61.200	49.800	45.800	33.400	35.100	33.600	34.800	46.200
Transmitting ERP (watts)	28.550	1.400	0.240	0.240	0.240	0.370	16.810	84.240

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
86	36-53-16.1 N	086-30-48.3 W	183.8	60.6	
Address: Richpond, 608 Sseek Road					
City: Bowling Green County: WARREN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	87.200	42.220	5.380	0.310	0.260	0.260	4.790	40.320
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	1.480	24.580	100.120	93.440	17.800	1.480	0.260	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	69.900	78.100	67.600	58.700	47.300	43.600	56.900	73.400
Transmitting ERP (watts)	0.490	0.260	0.300	4.900	45.770	117.640	63.170	8.330

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
87	36-44-23.3 N	086-34-22.4 W	211.2	93.6	1007990
Address: Franklin Downtown, Ogles Road (Franklin #9142)					
City: Franklin County: SIMPSON State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	1.890	59.640	119.000	18.430	0.750	0.270	0.270	0.270

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
87	36-44-23.3 N	086-34-22.4 W	211.2	93.6	1007990

Address: Franklin Downtown, Ogles Road (Franklin #9142)

City: Franklin County: SIMPSON State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	0.270	0.270	0.270	8.050	101.290	84.250	6.540	0.310
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	82.400	91.500	77.000	60.200	57.000	65.400	75.500	64.400
Transmitting ERP (watts)	44.210	2.120	0.270	0.270	0.270	0.400	25.440	127.510

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
88	36-50-51.7 N	086-46-11.1 W	198.4	82.3	1237175

Address: Rockcastle, 1365 Echo Valley Road

City: Auburn County: LOGAN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260	0.340	3.750	40.860
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	0.380	9.920	69.800	128.750	47.020	5.070	0.260	0.280
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	64.000	66.400	63.200	58.100	74.800	70.400	71.300	75.200
Transmitting ERP (watts)	2.100	0.260	0.330	1.050	21.320	101.470	108.950	23.430

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
89	37-25-24.5 N	086-24-14.9 W	197.8	83.8	1217214

Address: Millwood, 1006 Pleasant View Road

City: Millwood County: GRAYSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	39.870	122.420	126.750	40.620	4.930	0.330	0.900	5.470

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
89	37-25-24.5 N	086-24-14.9 W	197.8	83.8	1217214
Address: Millwood, 1006 Pleasant View Road					
City: Millwood County: GRAYSON State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	0.890	0.350	3.940	22.290	94.500	128.360	70.660	11.140
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	62.400	41.800	60.100	71.500	58.400	67.600	87.100	76.500
Transmitting ERP (watts)	103.880	21.640	2.140	0.270	1.490	11.530	61.810	130.990

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
90	37-17-38.2 N	086-44-29.7 W	129.8	83.8	1217204
Address: Natcher Parkway, 1 C. Beck Rd.					
City: Morgantown County: BUTLER State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	7.510	59.300	128.990	56.630	6.540	0.320	0.260	0.340
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	0.260	0.340	3.750	40.860	122.700	78.480	11.150	0.740
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	37.600	36.200	41.100	50.200	36.800	52.200	53.300	52.700
Transmitting ERP (watts)	122.700	38.140	3.840	0.260	0.300	0.480	13.100	30.300

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
91	37-10-17.8 N	086-46-48.7 W	157.3	90.0	1273826
Address: South Hill, 231 Freeman Staples Road					
City: Morgantown County: BUTLER State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.500	84.600	81.200	73.600	93.700	70.900	96.300	102.200
Transmitting ERP (watts)	71.470	128.360	93.210	17.180	1.520	0.270	1.720	14.250

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
91	37-10-17.8 N	086-46-48.7 W	157.3	90.0	1273826
Address: South Hill, 231 Freeman Staples Road					
City: Morgantown County: BUTLER State: KY Construction Deadline:					
Antenna: 2 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	114.500	84.600	81.200	73.600	93.700 70.900 96.300 102.200
Transmitting ERP (watts)	0.620	5.460	32.920	114.480	130.660 49.070 6.770 0.450
Antenna: 3 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	114.500	84.600	81.200	73.600	93.700 70.900 96.300 102.200
Transmitting ERP (watts)	21.640	2.140	0.270	1.490	11.530 61.810 130.990 103.880

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
92	36-57-07.6 N	086-47-36.4 W	210.0	77.7	1261473
Address: Chandler, 8773 Morgantown Road					
City: Russellville County: LOGAN State: KY Construction Deadline:					
Antenna: 1 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	122.500	88.200	98.600	86.200	75.500 96.400 126.200 114.800
Transmitting ERP (watts)	122.700	78.480	11.150	0.740	0.260 0.340 3.750 40.860
Antenna: 2 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	122.500	88.200	98.600	86.200	75.500 96.400 126.200 114.800
Transmitting ERP (watts)	0.480	13.100	80.300	122.700	38.140 3.840 0.260 0.300
Antenna: 3 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	122.500	88.200	98.600	86.200	75.500 96.400 126.200 114.800
Transmitting ERP (watts)	0.500	0.260	0.330	5.430	50.380 128.750 66.660 8.640

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
93	37-03-12.4 N	086-44-45.3 W	184.4	77.7	1273825
Address: Davis Crossroads, 63 Fire Station Lane					
City: Morgantown County: BUTLER State: KY Construction Deadline:					
Antenna: 1 Azimuth (from true north)	0	45	90	135	180 225 270 315
Antenna Height AAT (meters)	90.300	104.500	88.100	79.900	67.600 85.300 105.100 96.800
Transmitting ERP (watts)	94.500	128.360	70.660	11.140	0.890 0.350 3.940 22.290

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
93	37-03-12.4 N	086-44-45.3 W	184.4	77.7	1273825
Address: Davis Crossroads, 63 Fire Station Lane					
City: Morgantown County: BUTLER State: KY Construction Deadline:					

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	104.500	88.100	79.900	67.600	85.300	105.100	96.800
Transmitting ERP (watts)	0.350	3.940	22.290	94.500	128.360	70.660	11.140	0.890
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.300	104.500	88.100	79.900	67.600	85.300	105.100	96.800
Transmitting ERP (watts)	17.180	1.520	0.270	1.720	14.250	71.470	128.360	93.210

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
94	36-49-14.6 N	087-02-42.8 W	198.7	77.7	1261471
Address: Daysville, 1270 Daysville Road					
City: Russellville County: LOGAN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
Transmitting ERP (watts)	2.290	30.940	107.290	83.280	13.820	1.050	0.260	0.310
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
Transmitting ERP (watts)	0.490	0.260	0.300	4.900	45.770	117.640	63.170	8.330
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	80.600	79.200	75.600	95.700	90.500	86.800	61.000	55.000
Transmitting ERP (watts)	112.340	35.530	3.720	0.260	0.290	0.450	12.040	74.220

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
95	36-41-25.9 N	086-04-02.1 W	237.1	77.7	1278967
Address: Holland, 359 Lafayette Road					
City: Scottsville County: ALLEN State: KY Construction Deadline:					

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	12.260	67.850	91.320	22.470	1.930	0.240	0.240	1.460

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

Call Sign: KNKN867

File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
95	36-41-25.9 N	086-04-02.1 W	237.1	77.7	1278967

Address: Holland, 359 Lafayette Road

City: Scottsville County: ALLEN State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	0.230	1.100	4.900	40.250	110.140	103.720	29.080	3.250
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	114.100	88.200	100.700	73.600	49.300	69.400	81.800	87.800
Transmitting ERP (watts)	93.210	17.180	1.520	0.270	1.720	14.250	71.470	128.360

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
96	36-59-23.5 N	086-28-21.6 W	146.6	76.2	1277050

Address: Lampkin Park, Behind Dept of Hwy's Dist. Office on Old Morgantown Rd. off Hwy 231

City: Bowling Green County: WARREN State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	111.310	29.890	1.180	0.240	0.240	0.240	0.710	29.750
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	0.240	2.330	51.180	79.740	9.900	0.320	0.240	0.240
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	30.300	29.900	37.300	29.900	29.900	29.900	29.900	29.900
Transmitting ERP (watts)	0.240	0.240	0.240	0.280	10.010	96.730	60.750	3.910

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
97	37-25-27.1 N	086-13-46.7 W	252.1	41.1	1280487

Address: Johnson Crossroads, 2601 St. Augustine Road

City: Clarkson County: GRAYSON State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	157.100	105.670	17.850	1.800	0.480	4.050	25.570	109.870

Licensee Name: KENTUCKY RSA #3 CELLULAR GENERAL

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File Number:

Print Date:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
97	37-25-27.1 N	086-13-46.7 W	252.1	41.1	1280487

Address: Johnson Crossroads, 2601 St. Augustine Road

City: Clarkson County: GRAYSON State: KY Construction Deadline:

Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	7.940	44.270	150.440	165.870	63.900	9.040	0.700	1.050
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	97.900	73.900	78.500	96.700	106.000	108.500	99.600	95.600
Transmitting ERP (watts)	4.030	0.340	2.430	11.890	72.190	167.790	144.670	35.900

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
98	37-54-31.9 N	085-59-25.9 W	236.2	35.0	

Address: Fort Knox IV, 5800 Block of Adams Street

City: Fort Knox County: MEADE State: KY Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	36.310	138.730	165.910	77.210	12.030	0.950	0.820	6.980
Antenna: 2 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	1.300	0.640	5.680	30.740	124.760	162.210	90.940	14.810
Antenna: 3 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	94.000	74.300	90.800	60.900	57.100	53.800	55.700	114.300
Transmitting ERP (watts)	117.350	21.640	1.920	0.340	2.170	17.950	89.980	161.610

Control Points:

Control Pt. No. 1

Address: 216 W LINCOLN TRAIL

City: RADCLIFF County: State: KY Telephone Number:

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).