

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

RECEIVED

FEB 23 2016

**PUBLIC SERVICE
COMMISSION**

In the matter of:

THE APPLICATION OF EAST KENTUCKY NETWORK)
LIMITED LIABILITY COMPANY FOR THE ISSUANCE)
OF A CERTIFICATE OF PUBLIC CONVENIENCE AND) CASE NO. 2015-00377
NECESSITY TO CONSTRUCT A TOWER IN BREATHITT)
COUNTY, KENTUCKY)

East Kentucky Network, LLC, d/b/a Appalachian Wireless, was granted authorization to provide cellular service in the KY-10 Cellular Market Area (CMA452) by the Federal Communications Commission (FCC). FCC license is included as Exhibit 1. East Kentucky Network, LLC merger documents were filed with the Commission on February 2, 2001 in Case # 2001-022. East Kentucky Network, LLC is a Kentucky Limited Liability Company that was organized on June 16, 1998. East Kentucky Network, LLC is in good standing with the state of Kentucky.

In an effort to improve service in Breathitt County, East Kentucky Network, LLC pursuant to KRS 278.020 Subsection 1 and 807 KAR 5:001 is seeking the Commission's approval to construct a 300 foot telecommunications tower on a tract of land located near 124 Charles Back Drive, Whick, Breathitt County, Kentucky (37°24'04.8263"N 83°23'26.1855"W). A map and detailed directions to the site can be found in Exhibit 7.

Exhibit 2 is a list of all Property owners or residents according to the property valuation administrator's record who reside or own property within 500 feet of the proposed tower and all property owners who own property contiguous to the property upon which construction is proposed in accordance with the records of the Property Valuation Administrator.

Pursuant to 807 KAR 5:063 Section 1(1)(l), Section 1(1)(m), and Section 2, all affected property owners according to the Property Valuation Administrator's record who reside or own

property within 500 feet of the proposed Tower or who own property contiguous to the property upon which construction is proposed were notified by certified mail return receipt requested of East Kentucky Network, LLC's proposed construction and informed of their right to intervene. They were given the docket number under which this application is filed. Enclosed in Exhibit 2 is a copy of that notification.

Breathitt County has no formal local planning unit. In absence of this unit, the Breathitt County Judge Executive's office was notified by certified mail, return receipt requested of East Kentucky Network, LLC's proposal and informed of their right to intervene. They were given the docket number under which this application is filed. Enclosed in Exhibit 3 is a copy of that notification.

Notice of the location of the proposed construction was published in the Jackson Times, February 18, 2016, edition. Enclosed is a copy of that notice in Exhibit 3. The Jackson Times is the newspaper with the largest circulation in Breathitt County.

A geologist was employed to determine soil and rock types and to ascertain the distance to solid bedrock. The geotechnical report is enclosed as Exhibit 4.

A copy of the tower design information is enclosed as Exhibit 5. The proposed tower has been designed by engineers at Allstate Tower Inc. and will be constructed under their supervision. Their qualifications are evidenced in Exhibit 5 by the seal and signature of the registered professional engineer responsible for this project.

The tower will be erected by S & S Tower Services of St. Albans, West Virginia. S & S Tower Services has vast experience in the erection of communications towers.

FAA and Kentucky Airport Zoning Commission approvals are included as Exhibit 6.

No Federal Communications Commission approval is required prior to construction of this facility. Once service is established from this tower we must immediately notify the Federal

Communications Commission of its operation. Prior approval is needed only if the proposed facility increases the size of the cellular geographic service area. This cell site will not expand the cellular geographic service area.

East Kentucky Network, LLC will finance the subject Construction with earned surplus in its General Fund.

Estimated Cost of Construction	\$ 350,000.00
Annual Operation Expense of Tower	\$ 12,500.00

Two notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2), measuring at least two (2) feet in height and four (4) feet in width and containing all required language in letters of required height, have been posted, one at a visible location on the proposed site and one on the nearest public road. The two signs were posted on February 5, 2016, and will remain posted for at least two weeks after filing of this application as specified.

Enclosed in Exhibit 8 is a copy of East Kentucky Network, LLC's Memorandum of Lease for the site location along with a lot description.

The proposed construction site is on a very rugged mountaintop some feet from the nearest structure.

East Kentucky Network, LLC's operation will not affect the use of nearby land nor its value. No more suitable site exists in the area. A copy of the search area map is enclosed in Exhibit 7. No other tower capable of supporting East Kentucky Network, LLC's load exists in the general area; therefore, there is no opportunity for co-location of our facilities with anyone else.

Enclosed, and filed as Exhibit 9 is a survey of the proposed tower site signed by a Kentucky registered professional engineer.

Exhibit 11 contains a vertical sketch of the tower supplied by James W. Caudill, Kentucky registered professional engineer.

WHEREFORE, Applicant respectfully requests that the PSC accept the foregoing Application for filing, and having met the requirements of KRS 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the proposed tower.

The foregoing document was prepared by Cindy D. McCarty, Staff Attorney for East Kentucky Network, LLC d/b/a Appalachian Wireless. All related questions or correspondence concerning this filing should be mailed to East Kentucky Network, LLC d/b/a/ Appalachian Wireless, 101 Technology Trail, Ivel, KY 41642.

SUBMITTED BY: Lynn Haney DATE: 2/16/16
Lynn Haney, Regulatory Compliance Director

APPROVED BY: W.A. Gillum DATE: 2/18/2016
W.A. Gillum, General Manager

ATTORNEY: Cindy D. McCarty DATE: 2/18/2016
Hon. Cindy D. McCarty, Attorney

CONTACT INFORMATION:

W.A. Gillum, General Manager
Phone: (606) 477-2355, Ext. 111
Email: wagillum@ekn.com

Lynn Haney, Regulatory Compliance Director
Phone: (606) 477-2355, Ext. 1007
Email: lhaney@ekn.com

Cindy D. McCarty, Attorney
Phone: (606) 477-2355, Ext. 1006
Email: cmccarty@ekn.com

Mailing Address:

**East Kentucky Network, LLC
d/b/a Appalachian Wireless
101 Technology Trail
Ivel, KY 41642**



1	FCC License
2	Copies of Cell Site Notices to Land Owners
3	Notification of County Judge Executive and Newspaper Advertisement
4	Universal Soil Bearing Analysis
5	Tower Design
6	FAA and KAZC Approvals
7	Driving Directions from County Court House and Map to Suitable Scale
8	Memorandum of Lease for Proposed Site with Legal Description
9	Survey of Site Signed/Sealed by Professional Engineer Registered in State of Kentucky
10	Site Survey Map with Property Owners Identified in Accordance with PVA of County
11	Vertical Profile Sketch of Proposed Tower
12	

ULS License

Cellular License - KNKN809 - East Kentucky Network, LLC d/b/a Appalachian Wireless

Call Sign KNKN809 Radio Service CL - Cellular
Status Active Auth Type Regular

Market

Market CMA452 - Kentucky 10 - Powell Channel Block B

Submarket 0 Phase 2

Dates

Grant 08/30/2011 Expiration 10/01/2021

Effective 08/30/2011 Cancellation

Five Year Buildout Date

10/17/1996

Control Points

1 US Route 23, FLOYD, Harold, KY
P: (606)478-2355

Licensee

FRN 0001786607 Type Limited Liability Company

Licensee

East Kentucky Network, LLC d/b/a Appalachian Wireless
101 Technology Trail P:(606)477-2355
Ivel, KY 41642 F:(606)874-7551
ATTN Gerald Robinette, Manager

Contact

Lukas, Nace, Gutierrez & Sachs, LLP
Pamela L Gist Esq P:(703)584-8665
8300 Greensboro Drive F:(703)584-8695
McLean, VA 22102 E:pgist@fcclaw.com

Ownership and Qualifications

Radio Service Mobile
Type

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

EXHIBIT II: LIST OF PROPERTY OWNERS:

Statement Pursuant to Section 1 (1) (I) 807 KAR 5:063

Section 1 (1)(I) 1. The following is a list of every property owner who according to property valuation administrator's records, owns property within 500 feet of the proposed tower and each have been: notified by certified mail, return receipt requested, of the proposed construction,

Section 1 (1)(I) 2. Every person listed below who, according to the property valuation administrator's records, owns property within 500 feet of the proposed tower has been: Given the Commission docket number under which the application will be processed: and

Section 1 (1)(I) 3. Every person listed below who, according to property valuation administrator's records owns property within 500 feet of the proposed tower has been: Informed of his right to request intervention.

Section 2. If the construction is proposed for an area outside the incorporated boundaries of a city, the application shall state that public notices required by Section 1(1)(L) have been sent to every person who, according to the property valuation administrator, owns property contiguous to the property upon which the construction is proposed

LIST OF PROPERTY OWNERS

Charles P. and Eula Back
124 Charles Back Rd.
Whick, KY 41390

Linda Bush
101 Bush Lane
Whick, KY 41390

Charles Back
Eula Back
Charles Tyron Back
9708 KY Hwy 1110
Whick, KY 41390

Woodrow and Sue Allen
112 Coinwood Boulevard
Georgetown, KY 40324

Anita Christine Turner
10748 Hwy 1110
Wolfcoal, KY 41339



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 16, 2016

Charles P. and Eula Back
124 Charles Back Rd.
Whick, KY 41390

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00377)

East Kentucky Network, LLC d/b/a Appalachian Wireless has applied 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 telecommunications service in Breathitt County. The facility will include a 300-foot self-supporting tower with attached antennas extending upwards, and an equipment shelter located on a tract of land near 124 Charles Back Road, Whick, Breathitt County, Kentucky. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you because you may own property within a 500' radius of the proposed tower or own property contiguous to the property upon which construction is proposed.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. The Commission must receive your initial communication within 20 days of the date of this letter as shown above.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to Case No. 2015-00377 in your correspondence.

If you have any questions for East Kentucky Network, LLC, please direct them to my attention at the following address: East Kentucky Network, LLC, 101 Technology Trail, Ivel, KY 41642 or call me at 606-477-2355, Ext. 1007.

Sincerely,

A handwritten signature in blue ink that reads "Lynn Haney". The signature is written in a cursive style.

Lynn Haney
Regulatory Compliance Director
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 16, 2016

Charles Back
Eula Back
Charles Tyron Back
124 Charles Back Rd.
Whick, KY 41390

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Sincerely,

Lynn Haney
Regulatory Compliance Director
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 16, 2016

Linda Bush
101 Bush Lane
Whick, KY 41390

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00377)

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Sincerely,

Lynn Haney
Regulatory Compliance Director
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 16, 2016

Woodrow and Sue Allen
112 Coinwood Boulevard
Georgetown, KY 40324

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Sincerely,

A handwritten signature in blue ink that reads "Lynn Haney".

Lynn Haney
Regulatory Compliance Director
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 16, 2016

Anita Chrsitine Turner
10748 Hwy 1110
Wolf Coal, KY 41339

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00377)

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Sincerely,

Lynn Haney
Regulatory Compliance Director
Enclosure 1

Appalachian Wireless Location Map



Site Name

Wolf Coal Site

Location

124 Charles Back Drive Whick, KY. 41465

GPS Location

N 37 24 04.8263

W 83 23 26.1855

dba Appalachian Wireless
101 Technology Trail
Ivel, KY 41642
Phone: 606-477-2355
Fax: 606-791-2225

EAST KENTUCKY
NETWORK



To: The Jackson Times
Attn: Classifieds

From: Raina Helton
Regulatory Compliance Assistant

Email: advertising@jacksontimesky.com

Date: February 16, 2016

Re: PUBLIC NOTICE ADVERTISEMENT

Pages: 1

Please place the following Public Notice Advertisement in The Jackson Times to be ran on February 18, 2016.

PUBLIC NOTICE:

RE: Public Service Commission of Kentucky (CASE NO. 2015-00377)

Public Notice is hereby given that East Kentucky Network, LLC, dba Appalachian Wireless has applied to the Kentucky Public Service Commission to construct a cellular telecommunications tower on a tract of land located near 124 Charles Back Drive, Whick, Breathitt County, Kentucky. The proposed tower will be a 300 foot self-supporting tower with attached antennas. If you would like to respond to this notice, please contact the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to Case No. 2015-00377.

If you have any questions about the placement of the above mentioned notice, please call me at 606-477-2375, ext. 1005.

Thank you,

Raina Helton
Regulatory Compliance Assistant

The message above and the information contained in the documents transmitted are confidential and intended only for the person(s) named above. Dissemination, distribution or copying of this communication by anyone other than the person(s) named above is prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address listed above via regular mail. Thank you.



VIA: U.S. CERTIFIED MAIL

February 16, 2016

John Lester Smith, Judge Executive
1137 Main Street
Jackson, KY 41339

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00377)

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The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. The Commission must receive your initial communication within 20 days of the date of this letter as shown above.

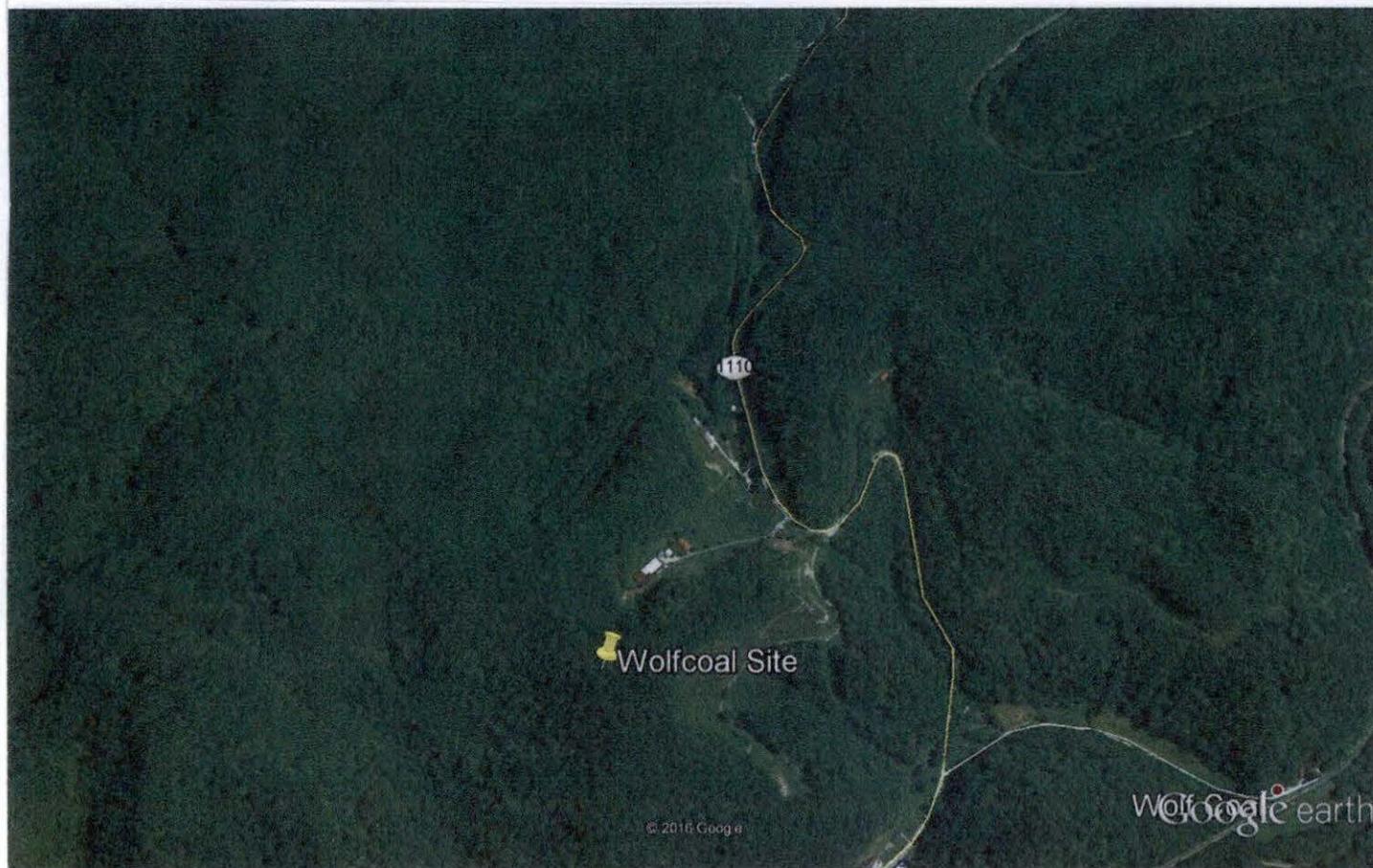
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Sincerely,

Lynn Haney
Regulatory Compliance Director
Enclosure

Appalachian Wireless Location Map



Site Name

Wolf Coal Site

Location

124 Charles Back Drive Whick, KY. 41465

GPS Location

N 37 24 04.8263

W 83 23 26.1855

WENDELL R. HOLMES, P.G.

424 Pear Street
Hazard, KY 41701
January 10, 2016

Wolf Coal Tower Site

Purpose:

A site assessment was conducted for Appalachian Wireless on a tract of land located in Breathitt County near Wolf Coal, Kentucky. The site of the proposed tower is now forestland. The purpose of this investigation was to determine the depth to bedrock and of what type of rock the bedrock consists.

Site Investigation:

The trenching method was used to determine the type of bedrock material at the proposed tower site. A Kubota excavator was used to determine the bedrock material. It is approximately 7.0 feet to the Sandstone bedrock. (See attached page for descriptions of materials encountered.) The terrain in Breathitt County is moderately to slightly steep. The tower site is located on a ridge approximately one mile northwest of Wolf Coal, Kentucky in Breathitt County and eight tenths of a mile north of the North Fork of the Kentucky River. The Sandstone formation below the tower site is approximately 10.00 feet thick based on the information obtained from the site investigation and geological maps of the area.

Conclusions:

The proposed tower site is located on a ridge in the area. The Sandstone bedrock on the proposed tower site is part of the Breathitt Formation, and is middle Pennsylvanian in age. Tests were not conducted to determine the load-bearing strength of the bedrock. However, it is apparent that the tower will be constructed on the Sandstone bedrock formation.

The field work for this site was performed by Wendell R. Holmes, using generally accepted methods in the practice of geological science.

Wendell R. Holmes, P.G.



WENDELL R. HOLMES, P.G.

**424 Pear Street
Hazard, Ky. 41701
(606)438-7250**

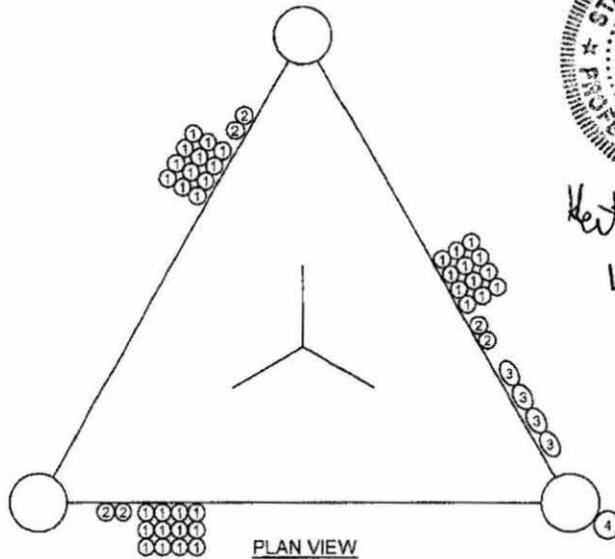
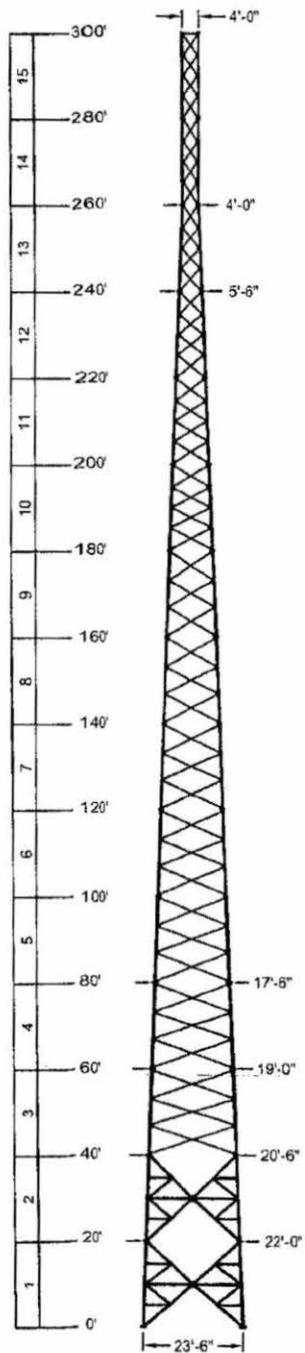
Geologist Log

Location: Wolf Coal Tower Site

Unit Thickness	Total depth	Strata	Description
4.00'	4.00'	Soil	Yellow, Brown with plant fragments
3.00'	7.00'	Shale/ with Coal Bands	Soft, Weathered, Gray and Brown
10.00'	17.00	Sandstone	Hard, Gray and Brown

MEMBER INFORMATION

SECTION	ELEVATION	FACE SIZE	LEG DIA.	DIAGONALS	HORIZONTALS	RED. HORZ/DIAGS.	INNER BRACING	TOP GIRT	# OF BAYS
1	0' - 20'	23'-6"	Ø4 3/4"	2L 3" x 3/16"	2L 2 1/2" x 3/16"	2L 2" x 3/16"	2L 2" x 3/16"	-	4 - MOD-X
2	20' - 40'	22'-0"	Ø4 3/4"	2L 3" x 3/16"	2L 2 1/2" x 3/16"	2L 2" x 3/16"	2L 2" x 3/16"	-	4 - MOD-X
3	40' - 60'	20'-6"	Ø4 3/4"	L 4" x 1/4"	N/A	-	-	-	3 - X
4	60' - 80'	19'-0"	Ø4 3/4"	L 3 1/2" x 1/4"	N/A	-	-	-	3 - X
5	80' - 100'	17'-6"	Ø4 1/2"	L 3 1/2" x 1/4"	N/A	-	-	-	3 - X
6	100' - 120'	16'-0"	Ø4 1/4"	L 3" x 1/4"	N/A	-	-	-	3 - X
7	120' - 140'	14'-6"	Ø4 1/4"	L 3" x 3/16"	N/A	-	-	-	3 - X
8	140' - 160'	13'-0"	Ø4"	L 3" x 3/16"	N/A	-	-	-	3 - X
9	160' - 180'	11'-6"	Ø3 3/4"	L 3" x 3/16"	N/A	-	-	-	3 - X
10	180' - 200'	10'-0"	Ø3 1/2"	L 2 1/2" x 3/16"	N/A	-	-	-	4 - X
11	200' - 220'	8'-6"	Ø3 1/4"	L 2" x 1/8"	N/A	-	-	-	4 - X
12	220' - 240'	7'-0"	Ø3"	L 2" x 1/8"	N/A	-	-	-	4 - X
13	240' - 260'	5'-6"	Ø2 3/4"	L 1 3/4" x 1/8"	N/A	-	-	-	4 - X
14	260' - 280'	4'-0"	Ø2 1/2"	L 1 3/4" x 1/8"	N/A	-	-	-	4 - X
15	280' - 300'	4'-0"	Ø1 3/4"	L 1 1/2" x 1/8"	N/A	-	-	L 1 1/2" x 3/16"	4 - X



PLAN VIEW REF:
 1) 1 9/8" HELIAX FEED LINES
 2) 7/8" HYBRID FEED LINES
 3) EW65 FEED LINES
 4) STEP BOLTS

BASE REACTIONS:(FACTORED):
 TOTAL SHEAR = 77 KIPS
 AXIAL LOAD = 227 KIPS
 UPLIFT / LEG = 551 KIPS
 COMP. / LEG = 845 KIPS
 O.T. MOMENT = 12469 FT-K



Keith M. Eaton
 1-20-2016

DESIGNED APPURTENANCE LOADING
 SHOWN ON SHEET "AA"

DESIGN NOTES:

- 1) TOWER LEGS ARE CONSTRUCTED OF SOLID ROUND BAR MATERIAL.
- 2) SOLID ROUND 0.75" AND LARGER ASTM A-572 GRADE : 50 KSI MIN.
- 3) SOLID ROUND 0.625" AND SMALLER IS ASTM A-36 GRADE : 36 KSI MIN.
- 4) ALL ANGLE MATERIAL IS ASTM A-529 : 50 KSI MIN.
- 5) ALL BRACE AND FLANGE BOLTS ARE A325-X
- 6) THIS TOWER IS DESIGNED FOR STEP BOLTS UP ONE LEG FOR CLIMBING WITH SAFETY CLIMB DEVICE.
- 7) (8) Ø1 3/4" x 5'-6" LONG (F1554-GR.105) ANCHOR BOLTS PER LEG.
- 8) THIS TOWER IS DESIGNED FOR A 90 M.P.H. WIND SPEED WITH NO ICE AND A 30 M.P.H. WIND SPEED WITH 0.75" IN ICE IN ACCORDANCE WITH THE TIA/EIA-222-G STANDARD.
- 9) DEFLECTIONS BASED ON A 60 M.P.H. WIND.
- 10) TOWER DESIGNED TO EXPOSURE C; STRUCTURE CLASS II; TOPO CAT 1.

APPROX. WEIGHT
 63.3 KIPS

PROPRIETARY STATEMENT: THIS DRAWING IS THE PROPERTY OF ALLSTATE TOWER INC. IT IS NOT TO BE REPRODUCED OR COPIED IN ANYWAY WITHOUT PRIOR WRITTEN CONSENT OF ALLSTATE TOWER INC.

REV #	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN:
				INCHES
				TOLERANCE BANDS:
				X +3/32"/0 ANGLES +/- 2'
				XX +3/32"/0
				XXX +1/16"/0 HOLES +/- 1/16"/0
				DRAWN BY: J. THOMPSON
				DATE: 1/14/2016



ALLSTATE TOWER INC.
 P.O. BOX 25
 HENDERSON, KY 42418
 PHONE: (270) 830-8512
 FAX: (270) 830-6475
 WWW.ALLSTATETOWER.COM

TOWER OVERVIEW
 APPALACHIAN WIRELESS
 300' SELF SUPPORT TOWER
 WOLF COAL, BREATHITT CO., KY

FILE NAME: 57825FT - A
 SHEET: A

ANTENNA INFORMATION

ELEVATION	ANTENNA	LINE
300'	(6) WPA-800102/4CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
300'	(3) BXA-70063/6CF	-
300'	(3) ERICSSON - RRUS11	-
290'	(6) WPA-800102/4CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
290'	(3) BXA-70063/6CF	-
290'	(3) ERICSSON - RRUS11	-
280'	(6) WPA-800102/4CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
280'	(3) BXA-70063/6CF	-
280'	(3) ERICSSON - RRUS11	-
270'	(6) WPA-800102/4CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
270'	(3) BXA-70063/6CF	-
270'	(3) ERICSSON - RRUS11	-
250'	(2) 8' STD DISH W/ RADOME	(2) EW65
200'	(6) WPA-800102/4CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
200'	(3) BXA-70063/6CF	-
200'	(3) ERICSSON - RRUS11	-
190'	(6) WPA-800102/4CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
190'	(3) BXA-70063/6CF	-
190'	(3) ERICSSON - RRUS11	-
185'	(2) 8' STD DISH W/ RADOME	(2) EW65



Keith M. Eaton
1-20-2016



ALLSTATE TOWER INC.
P.O. BOX 25
HENDERSON, KY 42419
PHONE: (270) 890-8512
FAX: (270) 890-9475
WWW.ALLSTATETOWER.COM

PROPRIETARY STATEMENT: THIS DRAWING IS THE PROPERTY OF ALLSTATE TOWER INC. IT IS NOT TO BE REPRODUCED OR COPIED IN ANYWAY WITHOUT PRIOR WRITTEN CONSENT OF ALLSTATE TOWER INC.

REV.#	DESCRIPTION	DATE	BY

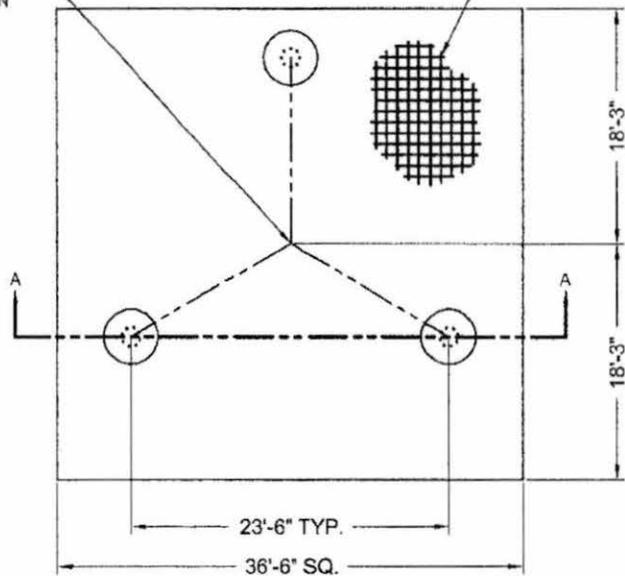
UNLESS OTHERWISE NOTED
DIMENSIONS ARE IN:
INCHES
TOLERANCE BANDS:
X +3/32"±0 ANGLES ±. 2"
XX +3/32"±0
XXX +1/16"±0 HOLES ±. 1/16"±0

SCALE: **NTS**

DATE: 1/14/2016

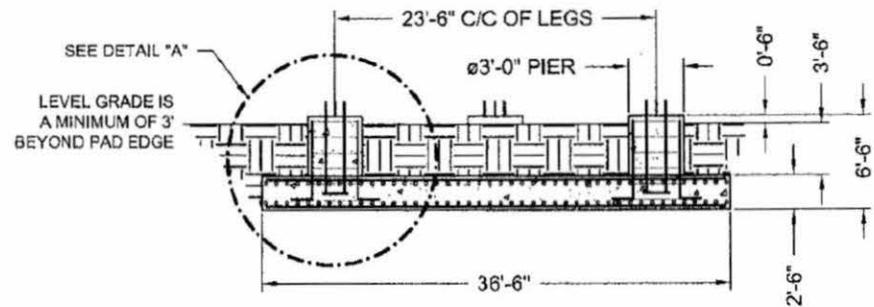
DESCRIPTION: TOWER OVERVIEW APPALACHIAN WIRELESS 300' SELF SUPPORT TOWER WOLF COAL, BREATHITT CO., KY	FILE NAME: 57825FT - A	SHEET AA
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CENTER OF TOWER AND FOUNDATION
REINFORCEMENT BAR MAT



PLAN VIEW

TOTAL VOLUME OF CONCRETE = 126.5 YD³



SECTION A-A

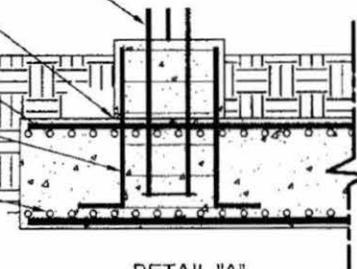
(8) ø1 3/4" X 5'-6" OVERALL LENGTH ANCHOR BOLTS (F1554-GR105) W/ 1" THK BEARING PLATE AT THE BOTTOM OF THE ANCHOR BOLT CLUSTER (4'-6" MIN. ANCHOR BOLT EMBEDMENT).

USE EPOXY BONDING AGENT WHEN POURED SEPERATELY

(36) #9 HORIZONTAL BARS x 36'-0" LONG EQUALLY SPACED EACH WAY AT TOP OF MAT. (TOTAL=72)

(32) #8 VERTICAL BARS W/ 6" HOOK W/ (5) #4 TIES EQ. SPACED.

(72) #9 HORIZONTAL BARS x 36'-0" LONG EQUALLY SPACED EACH WAY AT BOTTOM OF MAT. (TOTAL=144)



DETAIL "A"

REINFORCEMENT BAR SPLICING:

- ALL LAP SPLICES SHALL CONFORM TO ACI 318 REQUIREMENTS.
- REFER TO CHART BELOW WHEN REINFORCEMENT BAR SPLICING IS NECESSARY.

REINFORCING BAR SIZE	LAP SPLICE LENGTH
3	15"
4	17"
5	21"
6	26"
7	30"
8	36"
9	46"
10	58"
11	71"



Keith M. Eaton
1-20-2016

FOUNDATION INSTALLATION/DESIGN NOTES:

- THIS FOUNDATION IS DESIGNED TO MEET ALL STANDARDS SET FORTH BY ACI 318; AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ANSI/TIA/EIA 222-G; STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- THIS FOUNDATION IS DESIGNED UTILIZING THE GEOTECHNICAL REPORT PERFORMED BY WENDELL R. HOLMES, P.G.; DATED 1-10-16. THE FOUNDATION CONTRACTOR SHALL INSTALL THE FOUNDATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
- ALL WORK PERFORMED FROM THESE DRAWINGS SHOULD BE BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER FOUNDATION CONSTRUCTION.
- ALL FOOTING EXCAVATIONS SHALL BE MANUALLY CLEANED PRIOR TO PLACING CONCRETE. COMPACT THE EXPOSED SOIL SURFACE AND ANY GRANULAR FILL UNDER THE FOUNDATION TO 90% OF THE MODIFIED PROCTOR DENSITY.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS. COPIES OF THE CONCRETE CYLINDER TEST REPORTS SHALL BE SENT TO THE RESIDENT ENGINEER / INSPECTOR.
- MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE 3". ALL REINFORCING BARS SHALL BE GRADE 60 REBAR (MIN YIELD = 60KSI).
- FIELD BENDING OR WELDING OF REINFORCEMENT BARS IS NOT PERMITTED.
- PROVIDE CHAMFERS AT ALL EXPOSED CORNERS OF CONCRETE.
- BACKFILL NEAR AND AROUND THE FOUNDATIONS SHALL BE A WELL GRADED FILL MATERIAL PLACED IN 8" THICK LAYERS THAT HAS BEEN COMPACTED TO 90% OF THE MODIFIED PROCTOR DENSITY PER ASTM D1557.
- SOME DETAIL HAS BEEN PURPOSELY OMITTED TO CLARIFY ILLUSTRATION.

PROPRIETARY STATEMENT: THIS DRAWING IS THE PROPERTY OF ALLSTATE TOWER INC. IT IS NOT TO BE REPRODUCED OR COPIED IN ANYWAY WITHOUT PRIOR WRITTEN CONSENT OF ALLSTATE TOWER INC.

REV #	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN:	DESCRIPTION:
				INCHES	PAD & PIER FOUNDATION DESIGN
				TOLERANCE BANDS:	APPALACHIAN WIRELESS
				.X +3/32" / -0 ANGLS ± .2°	WOLF COAL, BREATHITT CO., KY
				.XX +3/32" / -0	
				.XXX +1/16" / -0 HOLES ± Ø1/16" / -0	
DRAWN BY: J. THOMPSON				SCALE:	FILE NAME:
DATE: 1/14/2015				NTS	57825FT - B
					SHEET
					B

ALLSTATE TOWER INC.
P.O. BOX 28
HENDERSON, KY 42419
PHONE: (270) 830-8512
FAX: (270) 830-8475
WWW.ALLSTATETOWER.COM



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

Aeronautical Study No.
 2015-ASO-18378-OE

Issued Date: 11/23/2015

Ali Kuzehkanani
 East Kentucky Network, LLC
 8300 Greensboro Drive, Suite 1200
 McLean, VA 22102

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

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

Structure: Antenna Tower Wolf Coal
 Location: Wolf Coal, KY
 Latitude: 37-24-04.83N NAD 83
 Longitude: 83-23-26.19W
 Heights: 1281 feet site elevation (SE)
 310 feet above ground level (AGL)
 1591 feet above mean sea level (AMSL)

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

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

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

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

This determination expires on 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.

For 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-18378-OE.

Signature Control No: 270141332-273387674
Angelique Eersteling
Technician

(DNE)

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2015-ASO-18378-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



KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

90 Airport Road, Bldg 400
Frankfort, KY 40601
www.transportation.ky.gov/aviation
502 564-4480

December 21, 2015

APPROVAL OF APPLICATION

APPLICANT:

East Kentucky Network, LLC.
East Kentucky Network, LLC.
8300 Greensboro Drive|Suite 1200
McLean, VA 22102

SUBJECT: AS-013-CPF-2015-119

STRUCTURE: Antenna Tower
LOCATION: Wolf Coal, KY
COORDINATES: 37° 24' 4.82" N / 83° 23' 26.18" W
HEIGHT: 310' AGL/1591' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 310' AGL/ 1591' AMSL Antenna Tower near Wolf Coal, KY 37° 24' 4.82" N / 83° 23' 26.18" W.

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

A copy of the approved application is enclosed for your files.

Medium Dual Obstruction Lighting is required in accordance with 602 KAR 50:100.

A handwritten signature in blue ink, appearing to read "John Houlihan".

John Houlihan
Administrator



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

90 Airport Road, Bldg 400
Frankfort, KY 40601
www.transportation.ky.gov/aviation
502 564-4480

CONSTRUCTION/ALTERATION STATUS REPORT

December 21, 2015

AERONAUTICAL STUDY NUMBER: AS-013-CPF-2015-119

East Kentucky Network, LLC.
East Kentucky Network, LLC.
8300 Greensboro Drive|Suite 1200
McLean, VA 22102

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on December 21, 2015. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Antenna Tower
LOCATION: Wolf Coal, KY
COORDINATES: 37° 24' 4.82" N / 83° 23' 26.18" W
HEIGHT: 310' AGL /1591' AMSL

CONSTRUCTION/ALTERATION STATUS

1. The project () is abandoned. () is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of _____ ft. AGL
_____ ft. AMSL on _____ (date).

Date construction was completed. _____

Type of obstruction marking/painting. _____

Type of obstruction lighting. _____

As built coordinates. _____

Miscellaneous Information. _____

DATE _____

SIGNATURE/TITLE _____





KENTUCKY AIRPORT ZONING COMMISSION

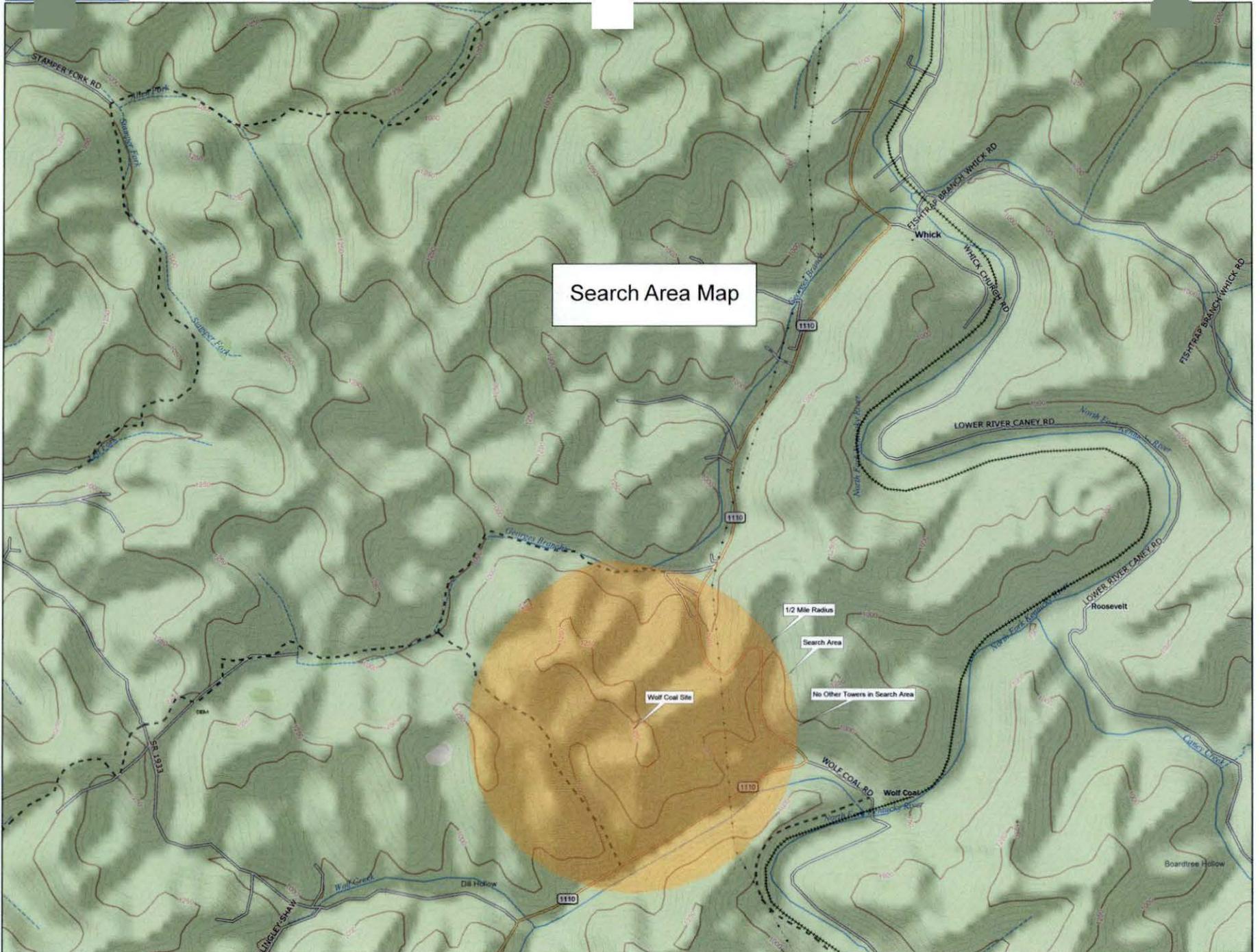
APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) East Kentucky Network, LLC c/o LNGS		PHONE 703-584-8667	FAX 703-584-8692	KY AERONAUTICAL STUDY # 13-013-CPF-245-119
ADDRESS (street) 8300 Greensboro Dr, #1200		CITY McLean		STATE VA
APPLICANT'S REPRESENTATIVE (name) Ali Kuzehkanani		PHONE 703-584-8667	FAX 703-584-8692	ZIP 22102
ADDRESS (street) 8300 Greensboro Dr, #1200		CITY McLean		STATE VA
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing		WORK SCHEDULE Start 12/05/15 End 12/10/15		
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other		
LATITUDE 37°24'04.82"		LONGITUDE 83°23'26.18"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
NEAREST KENTUCKY City Wolf Coal County Breathitt ✓		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Wendell H Ford Airport		
SITE ELEVATION (AMSL, feet) 1281		TOTAL STRUCTURE HEIGHT (AGL, feet) 310		CURRENT (FAA aeronautical study #)
OVERALL HEIGHT (site elevation plus total structure height, feet) 1591				PREVIOUS (FAA aeronautical study #)
DISTANCE (from nearest Kentucky public use or Military airport to structure) 7.1 mi				PREVIOUS (KY aeronautical study #)
DIRECTION (from nearest Kentucky public use or Military airport to structure) East				
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Approx. 0.7 mi WNW of Wolf Coal (Breathitt), KY				
DESCRIPTION OF PROPOSAL A new 300' tower with top-mounted antennas (overall height of 310' AGL)				
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? 10/27/15				
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 Ali Kuzehkanani	TITLE Dir of Engineering	SIGNATURE 	DATE 10/27/15	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved				
SIGNATURE 			DATE 12-21-15	
<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC				

Driving Directions for Wolf Coal

Starting at the Breathitt County Court House, on the corner of Main Street and Brown Street, turn right on Main Street (Route 1812), go .1 miles, turn left on Route 1812, go .1 miles, turn right on Highway 15 (South), then go 8.2 miles, turn right on Route 1110, go 9.6 miles, turn right on Charles Back Drive, go approximately 250 ft. Tower access road is on the left (signs will be posted here).

Prepared By:
Jack Adkins
Appalachian Wireless
606-339-0531



Search Area Map

1/2 Mile Radius

Search Area

No Other Towers in Search Area

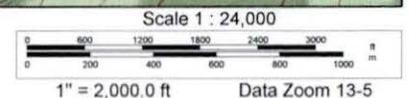
Wolf Coal Site

Wolf Coal

Data use subject to license.

© DeLorme. Topo North America™ 9.

www.delorme.com



MEMORANDUM OF LEASE

THIS MEMORANDUM OF LEASE is made and entered into on this the 20th day of October, 2015, with a commencement date of October 1st, by and between Charles P. Back and Eula Faye Back, his wife, with the mailing address of 124 Charles Back Drive, Whick, Kentucky 41390, hereinafter refereed to as "Lessors" and East Kentucky Network, LLC d/b/a Appalachian Wireless, with a mailing address of 101 Technology Trail, Ivel, Kentucky, 41642, hereinafter referred to as "Lessee."

WITNESSETH:

1. **Demised Premises:** For good and valuable consideration, Lessors do hereby lease to Lessee, and Lessee does hereby lease from Lessors, a portion of that certain tract of real estate located in Breathitt County, Kentucky, and being a portion of the same land conveyed to Charles P. Back and Eula Faye Back, his wife by Deed of Conveyance referenced in Deed Book 150, Page 32, in the Breathitt County Clerk's Office. Said property is more particularly described in the description and plat attached hereto and made a part hereof as Exhibits A and B, prepared by James W. Caudill, Licensed Professional Land Surveyor (hereinafter referred to as the "Premises");
2. **Term:** The term of the Lease shall be for a period of five (5) years from the commencement date of the Lease Agreement.
3. **Option to Renew:** Lessee shall have the option to renew the Lease for an additional six (6) terms of five (5) years each.
4. **Binding Effect:** All of the terms, conditions, and covenants hereof shall be binding and shall inure to the benefit of the heirs, representatives, successors, and assigns of the parties hereto.

5. **Purpose:** This Memorandum of Lease is prepared solely for the purpose of recordation, and is not intended, nor shall it be deemed, to modify any of the terms and conditions set forth in the Lease, nor to construe any of the rights, duties or responsibilities of Lessors and Lessee thereunder.

In Witness Whereof, Lessors and Lessee have executed this Memorandum of Lease as of the day, month and year first written above.

LESSORS:

Charles P. Back
Charles P. Back

Eula Faye Back
Eula Faye Back

COMMONWEALTH OF KENTUCKY
COUNTY OF Breathitt

The foregoing instrument was acknowledged before me on this 20th day of October, 2015, by Charles P. Back and Eula Faye Back, Lessors.

Rama S. Bradley
Notary Public

My Commission Expires Feb 3, 2010

LESSEE:

EAST KENTUCKY NETWORK, LLC

By W A Gillum

Its CEO/GM

COMMONWEALTH OF KENTUCKY
COUNTY OF Floyd

The foregoing instrument was acknowledged before me on this 16th day of October, 2015, by W.A. Gillum, CEO/General Manager of East Kentucky Network, LLC, d/b/a Appalachian Wireless.

Bonnie J. Bradley
Notary Public

My Commission Expires Feb 3, 2016

This instrument was prepared by:

Wm. S. Kendrick
William S. Kendrick, Attorney at Law
Penn, Stuart & Eskridge
119 E. Court Street, Ste. 201
Prestonsburg, KY 41653



LOT DESCRIPTION
Property of
Charles P. Back and Eula Faye Back
124 Charles Back Road
Whick, KY 41390
Near Wolfcoal in Breathitt County
September 23, 2015

A portion of property lying on George's Branch, a tributary of the North Fork of the Kentucky River in Breathitt County of Kentucky, near the community of Wolfcoal. Being a part of the same land conveyed by deed from Allen Strong and Irene Strong by Deed dated February 22, 1984 and recorded in Deed Book 150 Page 32 of the Breathitt County Court Clerk.

Unless stated otherwise, any monument referred to herein as "set iron pin with cap" is a set 1/2" diameter rebar, at least eighteen (18") in length, with a plastic cap stamped "LS-2259". All bearings stated herein are referred to NAD83 Ky Single Zone North. This survey preformed by James W. Caudill, LS2259, on September 23, 2015.

Lot 1A

Beginning on set iron pin with cap marked LS2259 at a 14" hickory in the fence line, said point being located North 08 deg 07 min 30 sec East, 26.20 feet from a iron pin near old stump on ridge at the corner common to Anita Christine Turner, Charles T Back and Charles P Back; thence severing the property of Charles P Back by running with the fence line North 23 deg 25 min 47 sec West 33.33 feet to a set iron pin with cap marked LS2259 at a 14" hickory in the fence line; thence continuing with the fence line North 41 deg 47 min 35 sec West 21.46 feet to a set iron pin with cap marked LS2259 at a 10" hickory in the fence line; thence running with the ridge line North 37 deg 54 min 01 sec West 72.50 feet to a set iron pin with cap marked LS2259 on the ridge and on the property line between Charles P. Back and Eula Faye Back (Deed Book 150 Page 32), and Anita Christine Turner (Deed Book 120 Page 493); thence severing the property line of Charles P. Back and Eula Faye Back (Deed Book 150 Page 32) and running over the hillside North 56 deg 39 min 27 sec East 72.90 feet to a set iron pin with cap marked LS2259 on the hillside; thence running up and around the hill South 53 deg 58 min 20 sec East 129.29 feet to a set iron pin with cap marked LS2259 on a spur of the ridge at the fence line and on the property line between Charles P. Back and Eula Faye Back (Deed Book 150 Page 32), and Charles T. Back (Deed Book 208 Page 648); thence running with the Charles T. Back line South 54 deg 00 min 13 sec West 115.40 feet to the point of the beginning. Containing a calculated area of 11339 square feet or .26 acres.

This survey was performed on September 23, 2015 by James W. Caudill, a Kentucky Licensed Professional Land Surveyor No. 2259.

STATE OF KENTUCKY
JAMES W.
CAUDILL
LS 2259
LICENSED
PROFESSIONAL
LAND SURVEYOR

James W. Caudill 9-23-15
James W. Caudill, PLS #2259

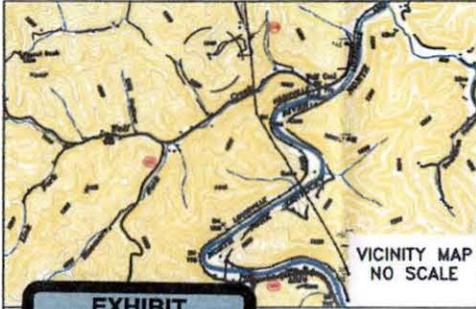
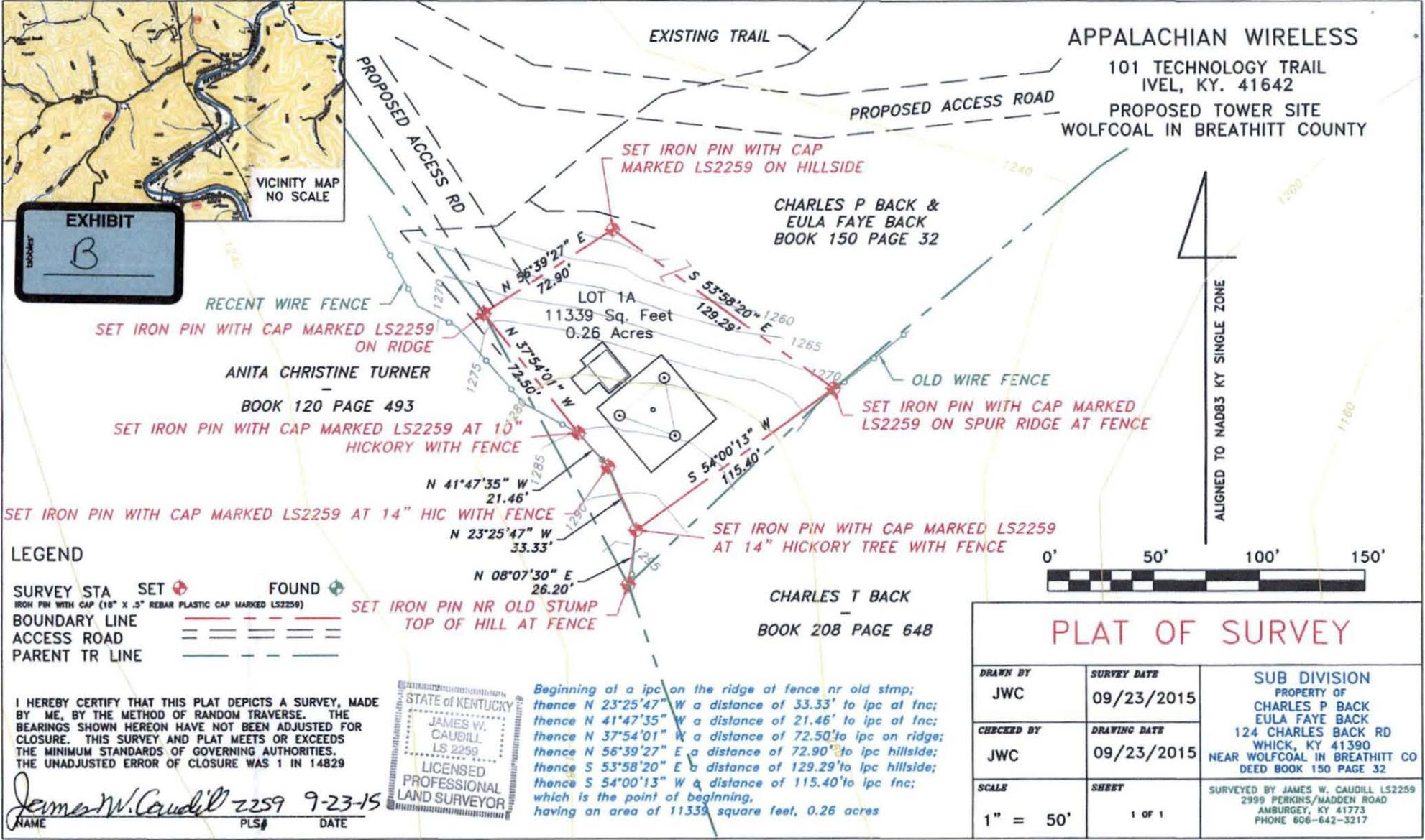


EXHIBIT
B

APPALACHIAN WIRELESS
101 TECHNOLOGY TRAIL
IVEL, KY. 41642
PROPOSED TOWER SITE
WOLFOAL IN BREATHITT COUNTY



PLAT OF SURVEY

DRAWN BY JWC	SURVEY DATE 09/23/2015	SUB DIVISION PROPERTY OF CHARLES P BACK EULA FAYE BACK 124 CHARLES BACK RD WHICK, KY 41390 NEAR WOLFOAL IN BREATHITT CO DEED BOOK 150 PAGE 32
CHECKED BY JWC	DRAWING DATE 09/23/2015	
SCALE 1" = 50'	SHEET 1 OF 1	SURVEYED BY JAMES W. CAUDILL LS2259 2999 PERKINS/MADEN ROAD AMBURGEY, KY 41773 PHONE 606-642-3217

I HEREBY CERTIFY THAT THIS PLAT DEPICTS A SURVEY, MADE BY ME, BY THE METHOD OF RANDOM TRAVERSE. THE BEARINGS SHOWN HEREON HAVE NOT BEEN ADJUSTED FOR CLOSURE. THIS SURVEY AND PLAT MEETS OR EXCEEDS THE MINIMUM STANDARDS OF GOVERNING AUTHORITIES. THE UNADJUSTED ERROR OF CLOSURE WAS 1 IN 14829

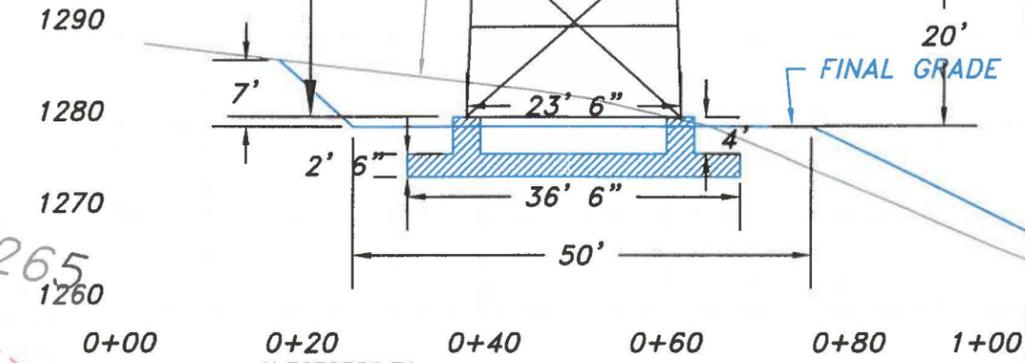
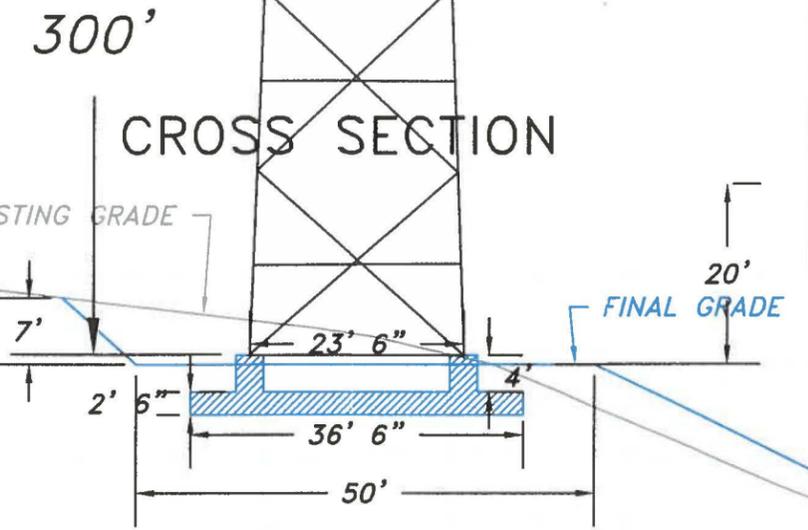
James W. Caudill 2259 9-23-15
NAME PLS# DATE



LINE	BEARING	DISTANCE
L1	S 77°43'58" E	169.33'
L2	S 73°21'48" E	59.41'
L3	S 67°48'39" E	114.26'
L4	S 61°39'17" E	73.28'
L5	S 60°09'08" E	92.42'
L6	S 48°06'56" E	73.21'
L7	N 79°57'30" W	89.54'
L8	N 82°48'46" W	101.54'
L9	N 89°19'42" W	100.97'
L10	S 85°08'38" W	109.83'
L11	S 83°16'34" W	85.92'
L12	S 66°35'38" W	89.84'
L13	S 65°55'36" E	52.76'
L14	S 50°59'17" E	51.03'

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 IVEL, KY. 41642
 PROPOSED TOWER
 NEAR WOLFCOAL IN BREATHITT COUNTY

CHARLES P BACK &
 EULA FAYE BACK
 BOOK 150 PAGE 32



NOTE: SEE FOUNDATION DRAWINGS FOR DETAILS

- THE PROPOSED TOWER HAS BEEN LOCATED USING DUAL FREQUENCY GPS UNIT PROCESSED BY "OPUS"
- STATE PLANE COORDINATES NAD 83 KY SINGLE ZONE N:3678376.65 E:5606516.30 EL 1283.44' EXISTING GRD PLAN- FOUNDATION EL1281'-TOP TOWER EL 1581'
- PRECISION: HORIZONTAL=0.30' VERTICAL=0.50'
- THIS SURVEY MEETS OBSTACLE ACCURACY CODE 2C.
- PROPERTY LINE INFORMATION TAKEN FROM DEEDS AND VERIFIED IN THE FIELD.

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECTION.

James W. Caudill 12305 10-21-15
 JAMES W. CAUDILL PE# DATE



CHARLES T BACK
 BOOK 208 PAGE 648



N:3678422.69
 E:5606436.17
 Z:1274.15

RECENT WIRE FENCE

ANITA CHRISTINE TURNER
 BOOK 120 PAGE 493

LAT:37°24'04.8263"
 LON:83°23'26.1855"

N:3678376.65
 E:5606516.30
 Z:1283.44

LOT 1A
 11339 Sq. Feet
 0.26 Acres

SURVEY STA SET FOUND
 IRON PIN WITH CAP (1/8" X .5" REBAR PLASTIC CAP MARKED LS2259)
 BOUNDARY LINE
 ACCESS ROAD
 PARENT TR LINE

PROPOSED SITE PLAN AND STRUCTURE LOCATION WOLFCOAL TOWER APPALACHIAN WIRELESS		
DRAWN JWC	DATE 10/21/15	WOLFCOAL TOWER CHARLES AND EULA BACK GEORGES BR., WOLFCOAL, KY BREATHITT COUNTY
APPROVED	DATE	
SCALE 1" = 20'	SHEET 2 OF 3	PROJECT NO. WOLFCOAL/WCSITE20

CANOE 7.5' QUADRANGLE

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 IVEL, KY 41642
 PROPOSED TOWER SITE
 NEAR WOLFCOAL IN BREATHTITT CO



LINDA BUSH
 101 BUSH LANE
 WHICK, KY 41390
 DEED BOOK:171
 PAGE:375

LINDA BUSH
 101 BUSH LANE
 WHICK, KY 41390
 DEED BOOK:171
 PAGE:375

CHARLES P. & EULA BACK &
 CHARLES TYRON BACK
 9708 KY HWY 1110
 WHICK, KY 41390
 DEED BOOK:208 PAGE:648

TAMMY R. LEE
 9855 HWY 1110
 WHICK, KY 41390
 DEED BOOK:181
 PAGE:049

WOODROW AND SUE ALLEN
 112 COINWOOD BOULEVARD
 GEORGETOWN, KY 40324
 DEED BOOK:132 PAGE:15

CHARLES P. AND EULA BACK
 124 CHARLES BACK RD
 WHICK, KY 41390
 DEED BOOK:150 PAGE:32

ANITA CHRISTINE TURNER
 10748 HWY 1110
 WOLFCOAL, KY 41339
 BOOK 120 P-493

CHARLES & EULA BACK &
 CHARLES T. BACK
 9708 KY HWY 1110
 WHICK, KY 41390
 DEED BOOK:208 PAGE:648

CHARLES & EULA BACK &
 CHARLES T. BACK
 9708 KY HWY 1110
 WHICK, KY 41390
 DEED BOOK:208 PAGE:648

N:3678376.65
 E:5606516.30
 Z:1283.44

AT:37°24'04.8263"
 ON:83°23'26.1855"

AFFECTED AREA BOUNDARY

EXISTING ROAD

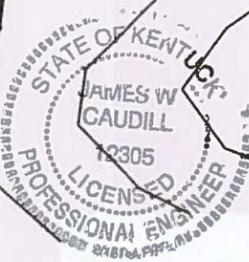
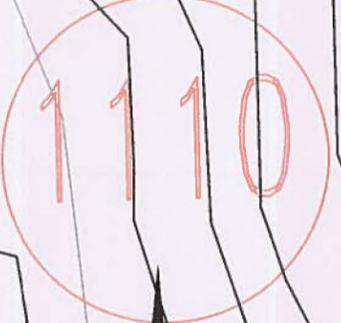
EXISTING TRAIL

PROPOSED ACCESS ROAD
 450' @ 10% GRADE

CHARLES BACK ROAD

CEMETERY

KY POWER CO MAIN LINE



LEGEND

- POWER LINE
- PROPERTY LINE
- ACCESS ROAD
- CREEK
- CEMETERY
- TOWER

J W CAUDILL ENGINEERING

9283 HWY 15 STE. C, ISOM, KY 41824

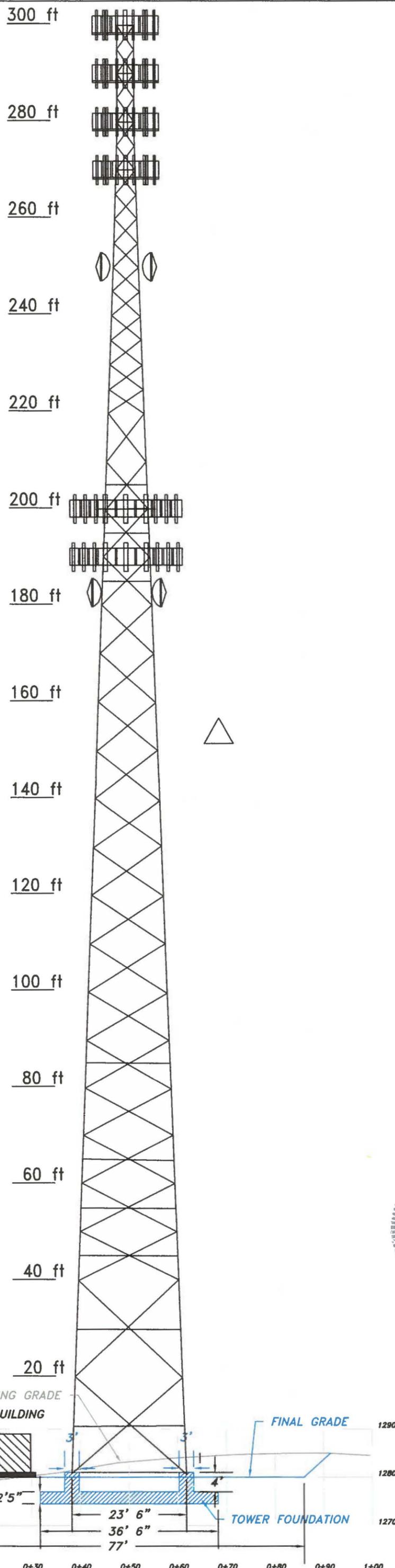
ENGINEERS CERTIFICATION: I HEREBY CERTIFY THAT THE INFORMATION SHOWN REFLECTS THE INFORMATION OBTAINED AND PROVIDED BY THE BREATHTITT COUNTY PROPERTY VALUATION ADMINISTRATION OFFICE IN JACKSON, KY.

James W. Caudill 12305 10-21-15
 JAMES W. CAUDILL P.E.# DATE

PROPOSED SITE PLAN AND STRUCTURE LOCATION WOLFCOAL TOWER APPALACHIAN WIRELESS

DRAWN JWC	DATE 10/21/2015	WOLFCOAL TOWER SITE OFF STATE HIGHWAY 1110 CHARLES AND EULA BACK TR NEAR WOLFCOAL IN BREATHTITT CO.
APPROVED	DATE	
SCALE 1"=200'	SHEET 1 OF 1	PROJECT NO. WOLFCOAL/WC200PVA

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 IVEL, KY. 41642
 PROPOSED TOWER
 NEAR WOLFCOAL IN BREATHITT COUNTY

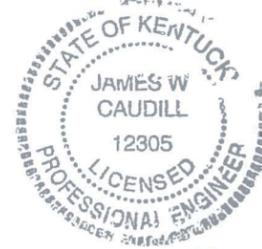


PROFILE WITH TOWER

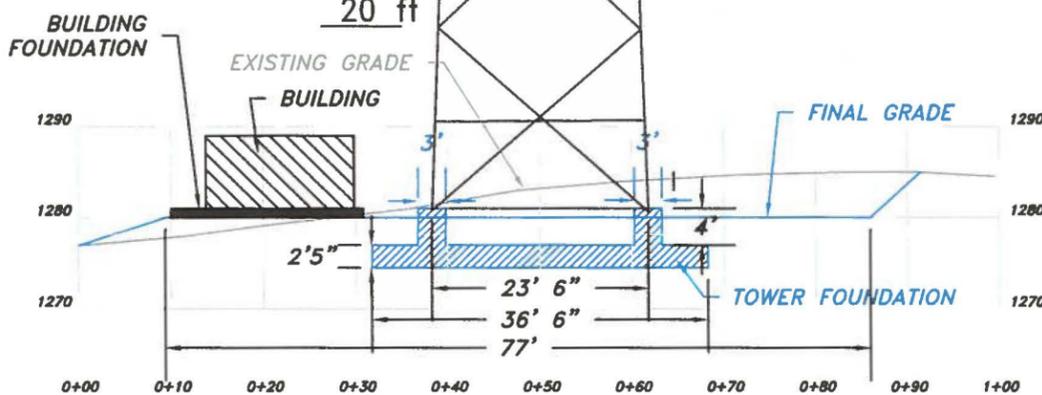
THIS IS A VERTICAL PROFILE SKETCH OF THE TOWER INDICATING THE PROPOSED ANTENNA AND DISH ELEVATIONS. NO DESIGN CRITERIA WAS CONSIDERED IN THE PREPARATION OF THIS DRAWING.

James W. Caudill 12305 10-21-15
 JAMES W. CAUDILL PE #. DATE

NOTE: SEE FOUNDATION DRAWINGS FOR DETAILS



10/21/15
 SCALE 1" = 20'



PROPOSED SITE PLAN AND STRUCTURE LOCATION WOLFCOAL TOWER APPALACHIAN WIRELESS

DRAWN JWC	DATE 10/21/15	WOLFCOAL TOWER CHARLES AND EULA BACK GEORGES BR., WOLFCOAL, KY BREATHITT COUNTY
APPROVED	DATE	
SCALE 1" = 20'	SHEET 3 OF 3	PROJECT NO. WOLFCOAL/WCPRO20