

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

**RECEIVED**

FEB 08 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 2015-00373  
NECESSITY TO CONSTRUCT A TOWER IN MAGOFFIN )  
COUNTY, KENTUCKY).

East Kentucky Network, LLC, d/b/a Appalachian Wireless, was granted authorization to provide cellular service in the KY-9 Cellular Market Area (CMA451) 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 Magoffin County, East Kentucky Network, LLC pursuant to KRS 278.020 Subsection 1 and 807 KAR 5:001 Section 9 is seeking the Commission's approval to construct a 300 foot self-supporting tower on a tract of land located near HC 88 Box 329, Gunlock, Magoffin County, Kentucky (37°35'28.98"N 82°57'21.96"W). A map and detailed directions to the site can be found in Exhibit 7.

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

Pursuant to 807 KAR 5:063 Section 1 (1)(L) and Section 1(1)(n) and Section 2 all affected property owners according to the property valuation administrator's record who own property within 500 feet of the proposed Tower or are 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.

Magoffin County has no formal local planning unit. In absence of this unit the Magoffin County Judge Executive's office was notified by certified mail, return receipt requested of East Kentucky Network Limited Liability Company'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 The Salyersville Independent, February 4, 2016, edition. Enclosed is a copy of that notice in Exhibit 3. The Salyersville Independent is the newspaper with the largest circulation in Magoffin 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 3.

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 January 25, 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.

Due to the steep hillside surrounding the proposed site, the property in close proximity is unsuitable for any type of development. 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 Mark Sanders, 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 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: 2/3/2016  
Lynn Haney, Regulatory Compliance Director

APPROVED BY: W.A. Gillum DATE: 2/3/2016  
W.A. Gillum, General Manager

ATTORNEY: Cindy D. McCarty DATE: 2/3/2016  
Hon. Cindy 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 McCarty, Attorney**  
**Phone: (606) 477-2355, Ext. 1006**  
**Email: [cmccarty@ekn.com](mailto: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 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 - KNKN880 - East Kentucky Network, LLC d/b/a Appalachian Wireless

Call Sign	KNKN880	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular
<b>Market</b>			
Market	CMA451 - Kentucky 9 - Elliott	Channel Block	B
Submarket	0	Phase	2
<b>Dates</b>			
Grant	08/30/2011	Expiration	10/01/2021
Effective	08/30/2011	Cancellation	
<b>Five Year Buildout Date</b>			
10/23/1996			
<b>Control Points</b>			
1	U.S. 23, HAROLD, KY		

## Licensee

FRN 0001786607

Type Limited Liability Company

## Licensee

East Kentucky Network, LLC d/b/a Appalachian  
Wireless  
101 Technology Trail  
Ivel, KY 41642  
ATTN Gerald Robinette, Manager

P:(606)477-2355  
F:(606)874-7551

## Contact

Lukas, Nace, Gutierrez & Sachs, LLP  
Pamela L Gist Esq  
8300 Greensboro Drive  
McLean, VA 22102

P:(703)584-8665  
F:(703)584-8695  
E:pglist@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

Arnold and Farlie Faye Wireman  
HC 88 Box 245  
Gunlock, KY 41632

Dave Wireman, Jr.  
C/O Frank Wireman  
14250 SW Licking River Road  
Salyersville, KY 41465

Earl Shepherd  
754 Salt Lick Road  
Hueysville, KY 41640

Sheila Shepherd Joseph  
HC 88 Box 160  
Gunlock, KY 41632



Mae S. Arnett  
17324 SE Licking River Road  
Salyersville, KY 41465

Lanie Wireman  
HC 88 Box 225  
Gunlock, KY 41632

Tip Conley  
HC 88 Box 227  
Gunlock, KY 41632

Arvel Lee and Brunie F. Wireman  
21089 St. RT 18- RT 1  
Defiance, OH 43512



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Arnold and Farlie Faye Wireman  
HC 88 Box 245  
Gunlock, KY 41632

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00373)

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 Magoffin 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 HC 88 Box 245, Gunlock, Magoffin 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. 2015-00373 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, flowing style.

Lynn Haney  
Regulatory Compliance Director  
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Dave Wireman, Jr.  
C/O Frank Wireman  
14250 SW Licking River Road  
Salyersville, KY 41465

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Lynn Haney  
Regulatory Compliance Director  
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Earl Shepherd  
754 Salt Lick Road  
Hueysville, KY 41640

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Sincerely,

Lynn Haney  
Regulatory Compliance Director  
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Sheila Shepherd Joseph  
HC 88 Box 160  
Gunlock, KY 41632

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00373)

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Sincerely,

Lynn Haney  
Regulatory Compliance Director  
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Mae S. Arnett  
17324 SE Licking River Road  
Salyersville, KY 41465

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00373)

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Sincerely,

Lynn Haney  
Regulatory Compliance Director  
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Lanie Wireman  
HC 88 Box 225  
Gunlock, KY 41632

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Lynn Haney  
Regulatory Compliance Director  
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Tip Conley  
HC 88 Box 227  
Gunlock, KY 41632

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Lynn Haney  
Regulatory Compliance Director  
Enclosure 1





VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 1, 2016

Arvel Lee and Brunie F. Wireman  
21089 St. RT 18- RT 1  
Defiance, OH 43512

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Lynn Haney  
Regulatory Compliance Director  
Enclosure 1

# Appalachian Wireless Location Map



Site Name

Arthurmable

Location

HC 88 Box 329 Gunlock, KY. 41632

GPS Location

N 37 35 28.89

W 82 57 22.03

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

# EAST KENTUCKY NETWORK



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**To:** The Salyersville Independent      **From:** Raina Helton  
Attn: Classifieds      Regulatory Compliance Assistant

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**Email:** jo@salyersvilleindependent.com      **Date:** January 28, 2016

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**Re:** PUBLIC NOTICE ADVERTISEMENT      **Pages:** 1

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**Please place the following Public Notice Advertisement in The Salyersville Independent to be ran on February 4, 2016.**

**PUBLIC NOTICE:**

**RE:** Public Service Commission of Kentucky (CASE NO. 2015-00373)

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 HC 88 Box 329, Salyersville, Magoffin 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. 2015-00373.

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.

EAST KENTUCKY NETWORK  
101 TECHNOLOGY TRAIL  
IVL KY 41642  
PH: (606) 874-7550  
FAX: (606) 874-7551



VIA: U.S. CERTIFIED MAIL

January 28, 2016

Charles "Doc" Hardin, Judge Executive  
P.O. Box 430  
Salyersville, KY 41465

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00373)

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 Magoffin 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 HC 88 Box 329, Gunlock, Magoffin County, Kentucky. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you because you are the County Judge Executive of Magoffin County.

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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Lynn Haney  
Regulatory Compliance Director  
Enclosure

# Appalachian Wireless Location Map



Site Name

Arthurmable

Location

HC 88 Box 329 Gunlock, KY, 41632

GPS Location

N 37 35 28.89

W 82 57 22.03

# WENDELL R. HOLMES, P.G.

424 Pear Street  
Hazard, KY 41701  
November 23, 2015

Arthurmable Tower Site

Purpose:

A site assessment was conducted for Appalachian Wireless on a tract of land located in Magoffin County near Arthurmable, 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 expose the sandstone with shale material. (See attached page for descriptions of materials encountered.)

The terrain in Magoffin County is slightly to moderately steep. The tower site is located on top of a ridge 0.53 miles southwest of the community of Arthurmable, KY in Magoffin County. The sandstone with shale bedrock below the tower site is approximately 4.33 feet deep 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. Tests were not conducted to determine the load-bearing strength of the sandstone with shale bedrock. However, it is apparent that the tower will be constructed on the sandstone with shale material.

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



**WENDELL R. HOLMES, P.G.**

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

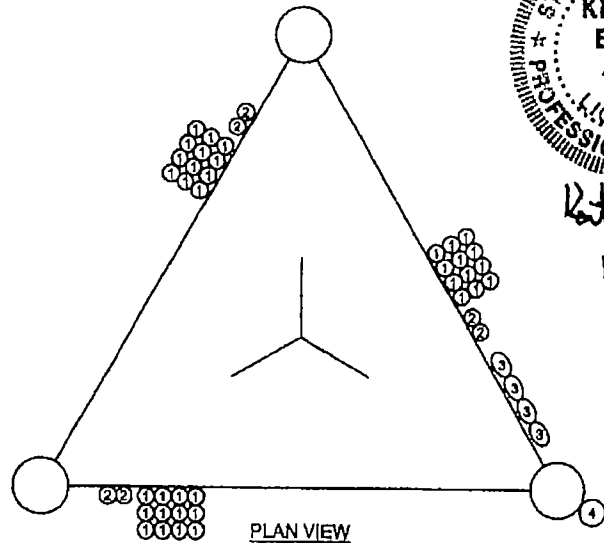
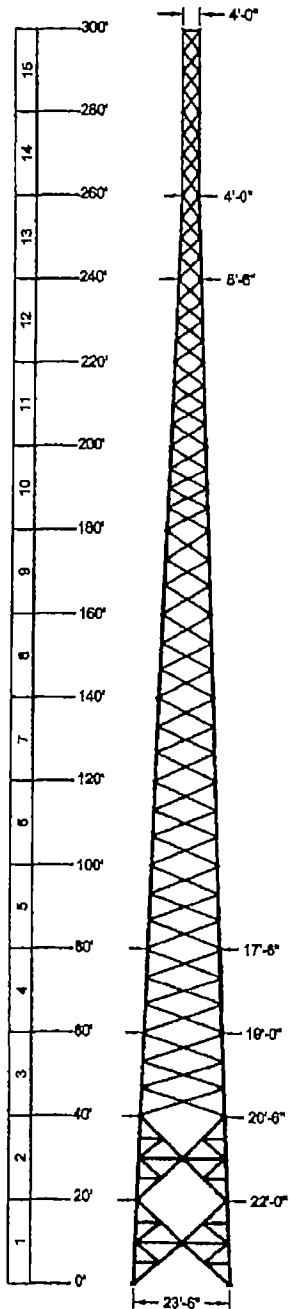
**Geologist Log**

**Location: Arthurmable Tower Site**

<b>Unit Thickness</b>	<b>Total depth</b>	<b>Strata</b>	<b>Description</b>
4.33'	4.33'	Soil	Brown, Sandy w/ Plant Fragments
20.00'	24.33'	Sandstone with Shale	Weathered, Brown and Gray

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'	18'-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'	15'-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 5/8" HELIAX FEED LINES
- 2) 7/8" HYBRID FEED LINES
- 3) EW86 FEED LINES
- 4) STEP BOLTS

**BASE REACTIONS (FACTORED)**

TOTAL SHEAR = 77 KIPS  
 AXIAL LOAD = 227 KIPS  
 UPLIFT / LEG = 561 KIPS  
 COMP. / LEG = 646 KIPS  
 O.T. MOMENT = 12469 FT-K



Keith M. Eaton  
1-14-2016

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-372 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) #1 3/4" x 6'-6" LONG (F1554-GR.105) ANCHOR BOLTS PER LEG.
- 8) THIS TOWER IS DESIGNED FOR A 80 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 WRITTEN CONSENT OF ALLSTATE TOWER INC.

REV #	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES

SCALE: NTS

DRAWN BY: J. THOMPSON  
DATE: 1/13/2016



ALLSTATE TOWER INC.  
P.O. BOX 25  
HENDERSON, KY 42410  
PHONE: (270) 630-6312  
FAX: (270) 630-6478  
WWW.ALLSTATETOWER.COM

<p>TOWER OVERVIEW APPALACHIAN WIRELESS 300' SELF SUPPORT TOWER ARTHURMABLE, MAGOFFIN CO., KY</p>		<p>FILE NAME: 57822FT - A</p>	<p>SHEET A</p>
--------------------------------------------------------------------------------------------------------------	--	-----------------------------------	--------------------



ANTENNA INFORMATION

ELEVATION	ANTENNA	LINE
300'	(6) WPA-8001024CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
300'	(3) BXA-700636CF	-
300'	(3) ERICSSON - RRUS11	-
290'	(6) WPA-8001024CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
290'	(3) BXA-700636CF	-
290'	(3) ERICSSON - RRUS11	-
280'	(6) WPA-8001024CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
280'	(3) BXA-700636CF	-
280'	(3) ERICSSON - RRUS11	-
270'	(6) WPA-8001024CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
270'	(3) BXA-700636CF	-
270'	(3) ERICSSON - RRUS11	-
250'	(2) 6' STD DISH W/ RADOME	(2) EW65
200'	(6) WPA-8001024CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
200'	(3) BXA-700636CF	-
200'	(3) ERICSSON - RRUS11	-
190'	(6) WPA-8001024CF	(6) 1 5/8" HEL. + (1) 7/8" HYB.
190'	(3) BXA-700636CF	-
190'	(3) ERICSSON - RRUS11	-
185'	(2) 6' STD DISH W/ RADOME	(2) EW65



*Keith M. Eaton*  
 1-14-2016

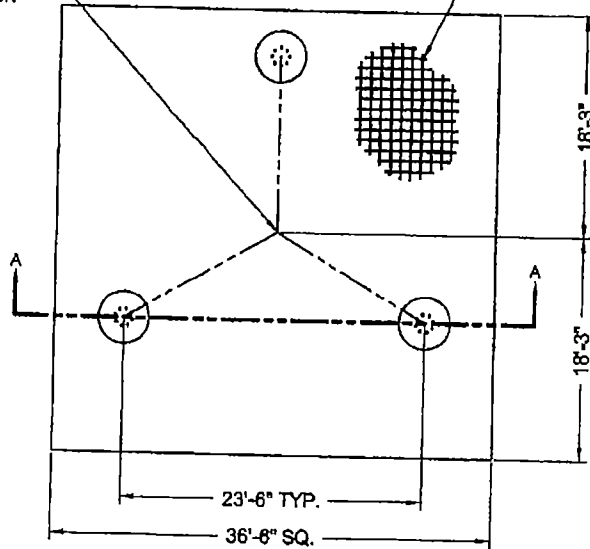


PROPRIETARY STATEMENT: THIS DRAWING IS THE PROPERTY OF ALLSTATE TOWER INC. IT IS NOT TO BE REPRODUCED OR COPIED IN ANYWAY WITHOUT PRIOR WRITTEN CONSENT OF ALLSTATE TOWER INC.

REV #	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN:	DESCRIPTION
				INCHES	TOWER OVERVIEW
				TOLERANCE RANGES:	APPALACHIAN WIRELESS
				X ±.002" ±.0	300' SELF SUPPORT TOWER
				XX ±.002" ±.0	ARTHURMABLE, MAGOFFIN CO., KY
				XXX ±.010" ±.0	
				XXX ±.010" ±.0	
SCALE: NTS				DRAWN BY: J. THOMPSON	FILE NAME: 57822FT - A
				DATE: 1/13/2016	SHEET: AA

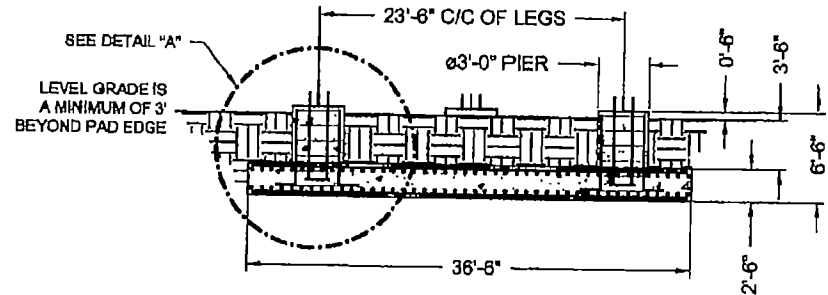
CENTER OF TOWER AND FOUNDATION

REINFORCEMENT BAR MAT



PLAN VIEW

TOTAL VOLUME OF CONCRETE = 126.5 YD<sup>3</sup>



SECTION A-A

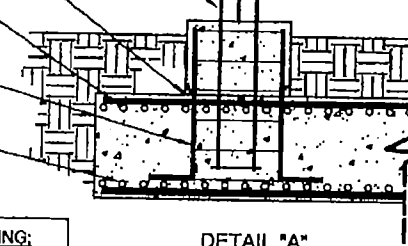
(8) #1 3/4" X 5'-6" OVERALL LENGTH ANCHOR BOLTS (F1854-GR109) W/ 1" THK BEARING PLATE AT THE BOTTOM OF THE ANCHOR BOLT CLUSTER (4'-6" MIN. ANCHOR BOLT EMBEDMENT).

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/ (8) #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:

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

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



Keith M. Eaton  
1-14-2016

FOUNDATION INSTALLATION/DESIGN NOTES:

1. 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.
2. THIS FOUNDATION IS DESIGNED UTILIZING THE GEOTECHNICAL REPORT PERFORMED BY WENDELL R. HOLMES, P.G.; DATED 11-23-15. THE FOUNDATION CONTRACTOR SHALL INSTALL THE FOUNDATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
3. ALL WORK PERFORMED FROM THESE DRAWINGS SHOULD BE BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER FOUNDATION CONSTRUCTION.
4. 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.
5. 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.
6. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE 3".
7. FIELD BENDING OR WELDING OF REINFORCEMENT BARS IS NOT PERMITTED.
8. PROVIDE CHAMFERS AT ALL EXPOSED CORNERS OF CONCRETE.
9. 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.
10. 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.				UNLESS OTHERWISE NOTED DIMENSIONS ARE IN: INCHES TOLERANCE BANDS: X +.002" / -0 ANGLES 0-2" XX +.003" / -0 XXX +.004" / -0 HOLES +.0010" / -0	
REVISION	DESCRIPTION	DATE	BY	DESCRIPTION	
				PAD & PIER FOUNDATION DESIGN	
				APPALACHIAN WIRELESS	
				ARTHURMABLE, MAGOFFIN CO., KY	
SCALE: NTS			DATE: 1/13/2015	FILE NAME:	SHEET: B



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

Aeronautical Study No.  
 2015-ASO-19109-OE

Issued Date: 01/05/2016

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 Fredville (Arthur Mable)  
 Location: Fredville, KY  
 Latitude: 37-35-28.89N NAD 83  
 Longitude: 82-57-22.03W  
 Heights: 1359 feet site elevation (SE)  
 310 feet above ground level (AGL)  
 1669 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 L, 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 07/05/2017 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 (816) 329-2523. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2015-ASO-19109-OE.

**Signature Control No: 271502631-276805616**

( DNE )

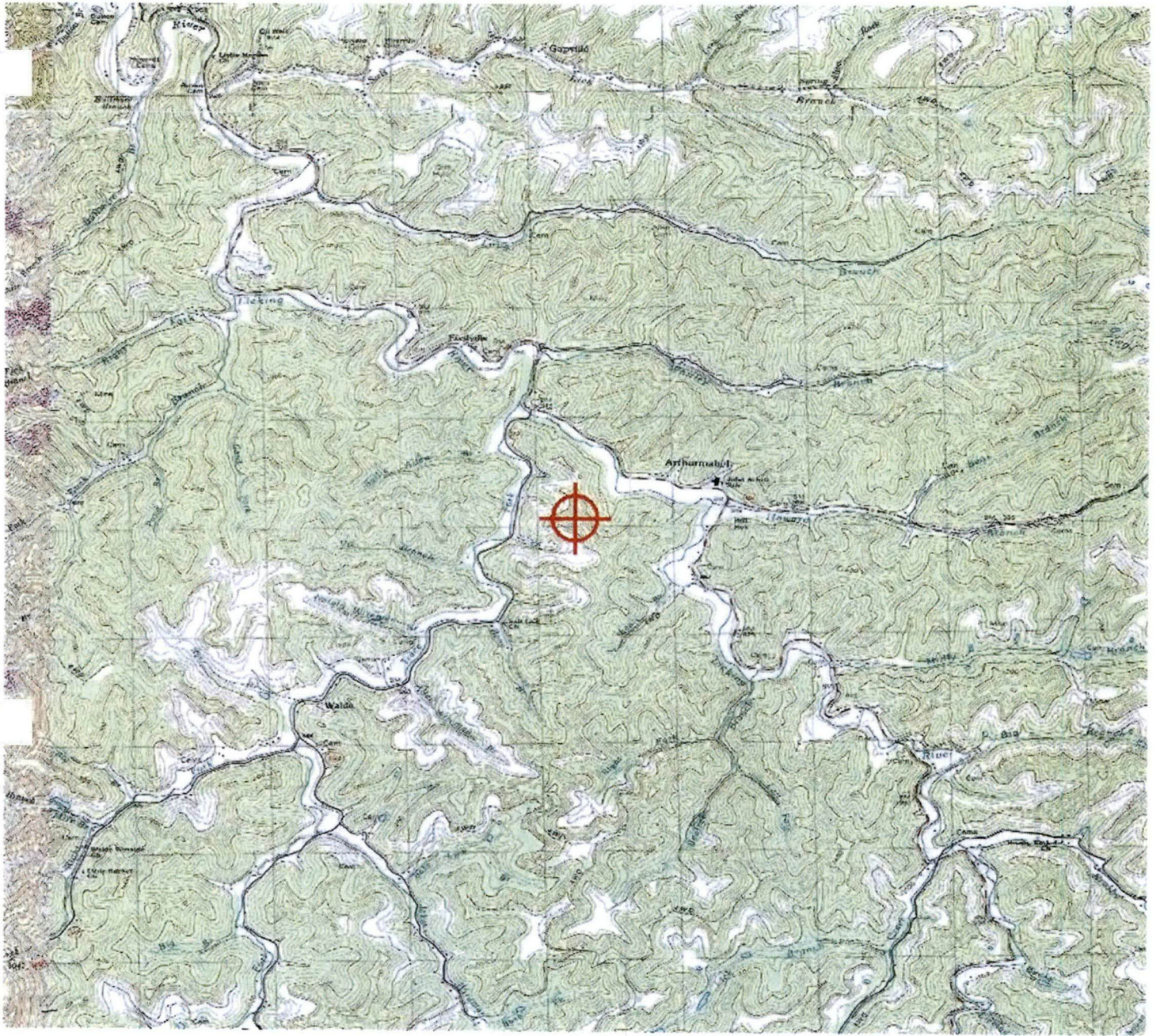
Steve Phillips  
Specialist

Attachment(s)  
Frequency Data  
Map(s)

cc: FCC

Frequency Data for ASN 2015-ASO-19109-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](http://www.transportation.ky.gov/aviation)  
502 564-4480

January 11, 2016

**APPROVAL OF APPLICATION**

**APPLICANT:**

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

**SUBJECT:** AS-077-JKL-2015-116

**STRUCTURE:** Antenna Tower  
**LOCATION:** Fredville, KY  
**COORDINATES:** 37° 35' 28.89" N / 82° 57' 22.03" W  
**HEIGHT:** 310' AGL/1669' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 310' AGL/ 1669' AMSL Antenna Tower near Fredville, KY 37° 35' 28.89" N / 82° 57' 22.03" 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.

  
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**

January 11, 2016

AERONAUTICAL STUDY NUMBER: AS-077-JKL-2015-116

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 January 11, 2016. 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: Fredville, KY  
COORDINATES: 37° 35' 28.89" N / 82° 57' 22.03" W  
HEIGHT: 310' AGL /1669'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

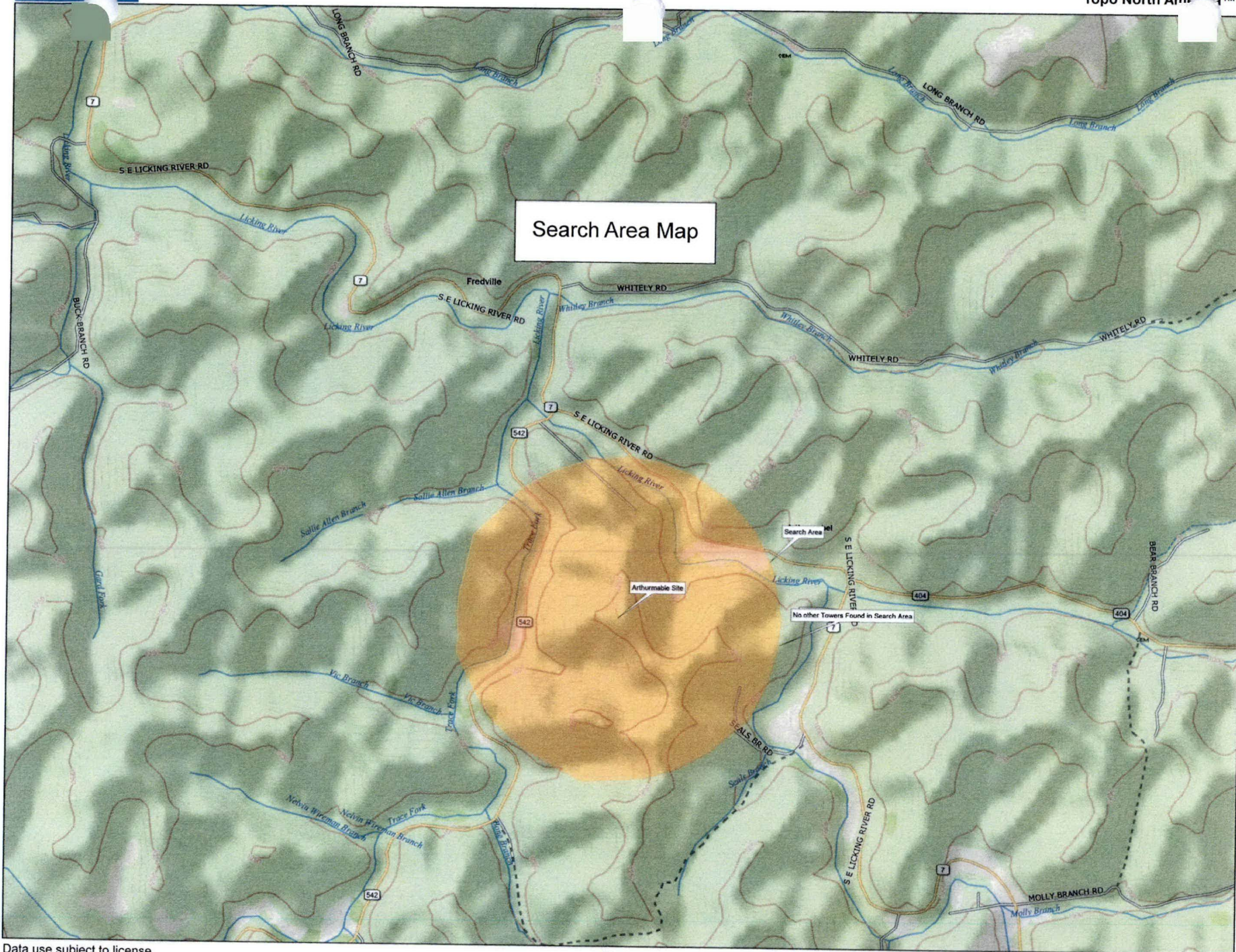
## APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) East Kentucky Network, LLC c/o LNGS		PHONE 703-584-8667	FAX 703-584-8692	KY AERONAUTICAL STUDY # AS-077-JKL-2575-116	
ADDRESS (street) 8300 Greensboro Dr, #1200		CITY McLean		STATE VA	ZIP 22102
APPLICANT'S REPRESENTATIVE (name) Ali Kuzehkanani		PHONE 703-584-8667	FAX 703-584-8692		
ADDRESS (street) 8300 Greensboro Dr, #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 type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 12/15/15 End 12/20/15	
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°35'28.89"		LONGITUDE 82°57'22.03"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Fredville County Magoffin		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Julian Carroll Airport			
SITE ELEVATION (AMSL, feet) 59		TOTAL STRUCTURE HEIGHT (AGL, feet) 310		CURRENT (FAA aeronautical study #)	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1669				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 19.8 mi				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) West					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Arthur Mable site, approx. 1.1 mi SSE of Fredville (Magoffin), 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? 11/06/15					
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 <i>Ali Kuzehkanani</i>		DATE 11/06/15	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		SIGNATURE <i>[Signature]</i>		DATE 1-17-16	
<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					

## Driving Directions for Arthurmable

Starting in front of the Magoffin County Court House at the intersection of highways 460, 40 and 7, take Route 7 (South/460East) .2 miles, turn right on Route 7 (south), go 15.9 miles, turn right on route 542 (west). Go .8 miles and tower access road is on the left (signs will be posted here).

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



Search Area Map

Search Area

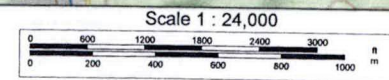
Arthurmbie Site

No other Towers Found in Search Area

Data use subject to license.

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www.delorme.com



**MEMORANDUM OF LEASE**

THIS MEMORANDUM OF LEASE is made and entered into on this the 19<sup>th</sup> day of October, 2015, with a commencement date of October 1<sup>st</sup>, by and between Arnold and Farlie Faye Wireman, his wife, with the mailing address of HC 88 Box 245, Gunlock, Kentucky 41632, hereinafter referred 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 Magoffin County, Kentucky, and being a portion of the same land conveyed to Lessors by Deed of Conveyance referenced in Deed Book 142, Page 631, in the Magoffin 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 Steven E. Haywood of Summit Engineering, 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:**

Arnold Wireman  
Arnold Wireman

Farlie Wireman  
Farlie Faye Wireman

COMMONWEALTH OF KENTUCKY  
COUNTY OF Magoffin

The foregoing instrument was acknowledged before me on this 19<sup>th</sup> day of October, 2015, by Arnold and Farlie Faye Wireman, Lessors.

Paul J. Bradley  
Notary Public

My Commission Expires Feb 3, 2010

LESSEE:

EAST KENTUCKY NETWORK, LLC

By WA Gillum

Its CEO/GM

COMMONWEALTH OF KENTUCKY  
COUNTY OF Floyd

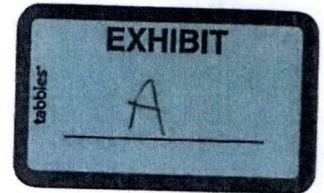
The foregoing instrument was acknowledged before me on this 16<sup>th</sup> day of October, 2015, by W.A. Gillum, CEO/General Manager of East Kentucky Network, LLC, d/b/a Appalachian Wireless.

Raina D. 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




Description  
Arthurmable, Magoffin County, KY  
Arthurmable Tower Site

A certain tract of land located in the community of Arthurmable, Magoffin County, Kentucky and being on the Ridge between Trace Fork of the Licking River and the Licking River, more particularly described as follows:

Unless stated otherwise any monument referred to herein as a Re-Bar and Cap is a set 1/2" steel re-bar eighteen (18") in length with a yellow plastic cap stamped Summit L.S. #2661. All bearings stated herein are referred to Grid North based on Kentucky Single Zone State Plane NAD 83 coordinates.

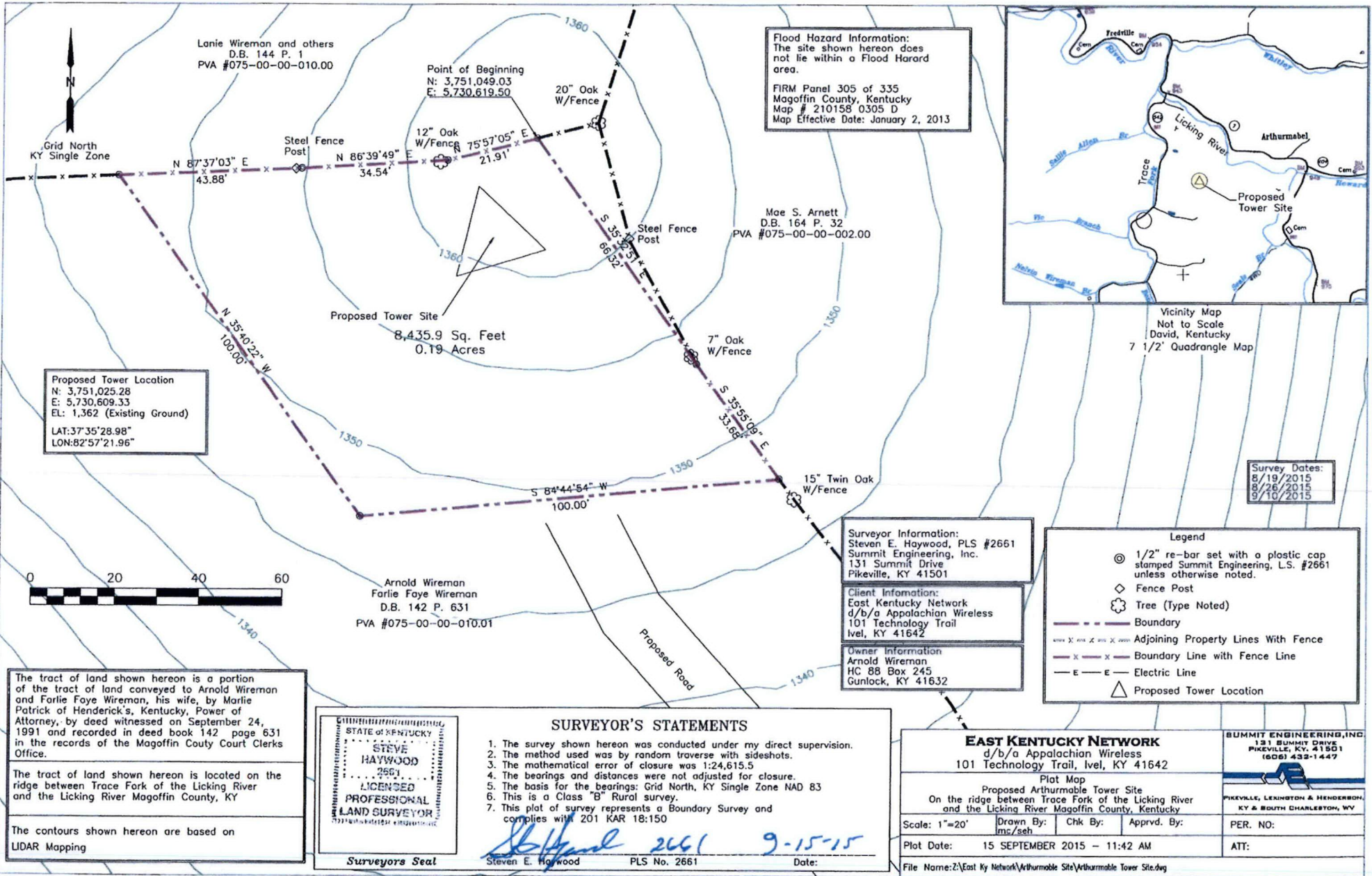
Beginning at a set Re-Bar and Cap on a high knob at the corner of Arnold Wireman (D.B. 142 P. 631), Mae S. Arnett (D.B. 164 P. 32) and Lanie Wireman, et,al (D.B. 114 P. 1) and having Kentucky Single Zone Coordinates of N: 3,751,049.03 E: 5,730,619.50

Thence, running along the ridge with Mae S. Arnett S 35°32'51" E a distance of 66.32' to a set Re-Bar and Cap witnessed by a 7" Oak with fence attached; Thence, S 35°55'09" E a distance of 33.68' to a set Re-Bar and Cap in the fence line on the ridge; Thence, leaving the ridge and running down the hill S 84°44'54" W a distance of 100.00' to a set Re-Bar and Cap; Thence, up the hill N 35°40'22" W a distance of 100.00' to a set Re-Bar and Cap in the fence line on the ridge line and being on the line of Lanie Wireman, et al; Thence, up the ridge with the fence N 87°37'03" E a distance of 43.88' to a set Re-Bar and Cap witnessed by a metal fence post; Thence, N 86°39'49" E a distance of 34.54' to a set Re-Bar and Cap witness by a 12" with Oak with fence; Thence, N 75°57'05" E a distance of 21.91' to the point of beginning and containing 0.19 acres more or less according to a survey conducted by persons under the direct supervision of Steven E. Haywood, PLS #2661 with Summit Engineering on September 10, 2015 and being a portion of the same tract of land conveyed to Arnold Wireman and Farlie Faye Wireman, his wife, by Marie Patrick, as Power of Attorney, for Edith Russell and others by deed witnessed September 24<sup>th</sup>, 1991 and recorded in Deed Book 142 Page 631 in the records of the Magoffin County Court Clerk's office.

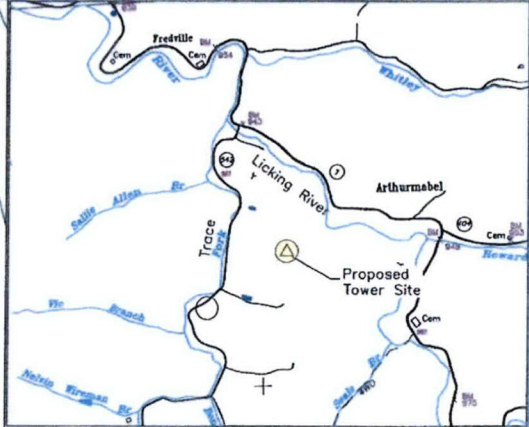
  
Steven E. Haywood, PLS #2661

9-11-15  
Date





**Flood Hazard Information:**  
 The site shown hereon does not lie within a Flood Hazard area.  
 FIRM Panel 305 of 335  
 Magoffin County, Kentucky  
 Map # 210158 0305 D  
 Map Effective Date: January 2, 2013



Vicinity Map  
 Not to Scale  
 David, Kentucky  
 7 1/2' Quadrangle Map

**Proposed Tower Location**  
 N: 3,751,025.28  
 E: 5,730,609.33  
 EL: 1,362 (Existing Ground)  
 LAT: 37°35'28.98"  
 LON: 82°57'21.96"

**Survey Dates:**  
 8/19/2015  
 8/26/2015  
 9/10/2015

**Surveyor Information:**  
 Steven E. Haywood, PLS #2661  
 Summit Engineering, Inc.  
 131 Summit Drive  
 Pikeville, KY 41501

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

**Owner Information**  
 Arnold Wireman  
 HC 88 Box 245  
 Gunlock, KY 41632

Legend	
⊙	1/2" re-bar set with a plastic cap stamped Summit Engineering, L.S. #2661 unless otherwise noted.
◇	Fence Post
⊗	Tree (Type Noted)
---	Boundary
---x---x---	Adjoining Property Lines With Fence
---x---	Boundary Line with Fence Line
—E—E—	Electric Line
△	Proposed Tower Location

The tract of land shown hereon is a portion of the tract of land conveyed to Arnold Wireman and Farlie Faye Wireman, his wife, by Marie Patrick of Henderick's, Kentucky, Power of Attorney, by deed witnessed on September 24, 1991 and recorded in deed book 142 page 631 in the records of the Magoffin County Court Clerks Office.

The tract of land shown hereon is located on the ridge between Trace Fork of the Licking River and the Licking River Magoffin County, KY

The contours shown hereon are based on LIDAR Mapping

STATE OF KENTUCKY  
**STEVE HAYWOOD**  
 2661  
 LICENSED  
**PROFESSIONAL LAND SURVEYOR**

**SURVEYOR'S STATEMENTS**

- The survey shown hereon was conducted under my direct supervision.
- The method used was by random traverse with sideshots.
- The mathematical error of closure was 1:24,615.5
- The bearings and distances were not adjusted for closure.
- The basis for the bearings: Grid North, KY Single Zone NAD 83
- This is a Class "B" Rural survey.
- This plat of survey represents a Boundary Survey and complies with 201 KAR 18:150

*Steve E. Haywood* 2661 9-15-15  
 Date:

<b>EAST KENTUCKY NETWORK</b> d/b/a Appalachian Wireless 101 Technology Trail, Ivel, KY 41642			<b>SUMMIT ENGINEERING, INC.</b> 131 SUMMIT DRIVE PIKEVILLE, KY. 41501 (606) 432-1447
Plot Map Proposed Arthurmabel Tower Site On the ridge between Trace Fork of the Licking River and the Licking River Magoffin County, Kentucky			
Scale: 1"=20'	Drawn By: mc/seh	Chk By:	Apprv. By:
Plot Date: 15 SEPTEMBER 2015 - 11:42 AM	PER. NO:		ATT:
File Name: Z:\East Ky Network\Arthurmabel Site\Arthurmabel Tower Site.dwg			

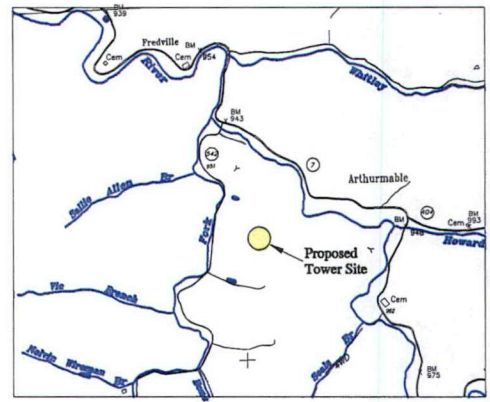
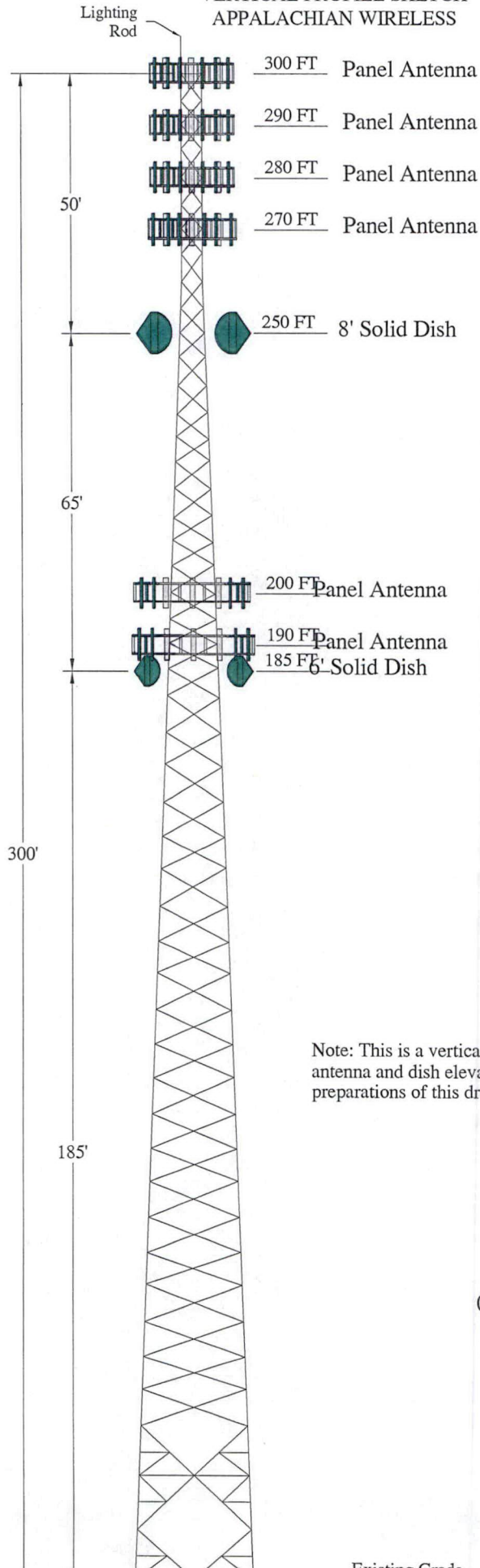
**CASE NO:** 2015-00373

**CONTAINS  
LARGE OR OVERSIZED  
MAP(S)**

**RECEIVED ON:** 2/8/2016

# ARTHURMABLE TOWER

VERTICAL PROFILE SKETCH  
APPALACHIAN WIRELESS



Vicinity Map  
NTS

Note: This is a vertical sketch of the tower indicating the proposed antenna and dish elevations. No design criteria was considered in the preparations of this drawing.



Graphic Scale  
1" = 30'

