

RECEIVED

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

FEB 24 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. 2015-00390
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 No. 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 off of Route 1110, Haddix, Breathitt County, Kentucky (37°29’29.2193”N 83°21’33.9039”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 records 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 25, 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, having met the requirements of KRS 278.020(1), 278.650, 278.665 and all applicable rules and regulations of the PSC, respectfully requests that the PSC accept the foregoing Application for filing and 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: 2/18/2016
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
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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
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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:pgist@fcclaw.com
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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

Patrick Brown
9145 Hwy 15 South
Jackson, KY 41339

Eugene and Mary Lou Cundiff
P.O. Box 305
Lost Creek, KY 41348

House of Miracles Ministries, Inc.
20 Haddix Fork Road
Haddix, KY 41339

ICG Knott Co., LLC
One Cityplace Drive
Suite 300
St. Louis, MO 63141

EAST KENTUCKY NETWORK
101 TECHNOLOGY TRAIL
IVEL, KY 41642
PHONE: (606) 874-7550
(606) 874-7551

EAST KENTUCKY
NETWORK



VIA: U.S. CERTIFIED MAIL

February 17, 2016

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

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00390)

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 off of Route 1110, Haddix, Breathitt 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 Breathitt 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.

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. 2015-00390 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,

Lynn Haney
Regulatory Compliance Director
Enclosure

EAST KENTUCKY NETWORK
101 TECHNOLOGY TRAIL
IVEL, KY 41642
PHONE: (606) 874-7550
(606) 874-7551



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Sincerely,

Lynn Haney
Regulatory Compliance Director
Enclosure 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 17, 2016

Eugene and Mary Lou Cundiff
P.O. Box 305
Lost Creek, KY 41348

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Enclosure 1

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IVEL, KY 41642
PHONE: (606) 874-7550
(606) 874-7551



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

February 17, 2016

House of Miracles Ministries, Inc.
20 Haddix Fork Road
Haddix, KY 41339

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Lynn Haney
Regulatory Compliance Director
Enclosure 1



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PUBLIC NOTICE

February 17, 2016

ICG Knott Co., LLC
One Cityplace Drive
Suite 300
St. Louis, MO 63141

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Sincerely,

Lynn Haney
Regulatory Compliance Director
Enclosure 1

Appalachian Wireless Location Map



Site Name

Haddix Site

Location

22600' From the JCT. of HWY. 15 and 1110

GPS Location

N 37 29 29.2193

W 83 21 33.9039

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 17, 2016

Re: PUBLIC NOTICE ADVERTISEMENT

Pages: 1

Please place the following Public Notice Advertisement in The Jackson Times to be ran on February 25, 2016.

PUBLIC NOTICE:

RE: Public Service Commission of Kentucky (CASE NO. 2015-00390)

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 off of Route 1110, Haddix, 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. 2015-00390.

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 17, 2016

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

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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

Appalachian Wireless Location Map



Site Name

Haddix Site

Location

22600' From the JCT. of HWY. 15 and 1110

GPS Location

N 37 29 29.2193

W 83 21 33.9039

WENDELL R. HOLMES, P.G.

424 Pear Street
Hazard, KY 41701
January 10, 2016

Haddix Tower Site

Purpose:

A site assessment was conducted for Appalachian Wireless on a tract of land located in Breathitt County near Haddix, 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 outcrop method was used to determine the type of bedrock material at the proposed tower site. Rock exposures from existing logging roads were used to determine the bedrock material. It is approximately 3.0 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 four tenths of a mile west of Haddix, Kentucky in Breathitt County just north of Hwy 1110. 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

WENDELL R. HOLMES, P.G.

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

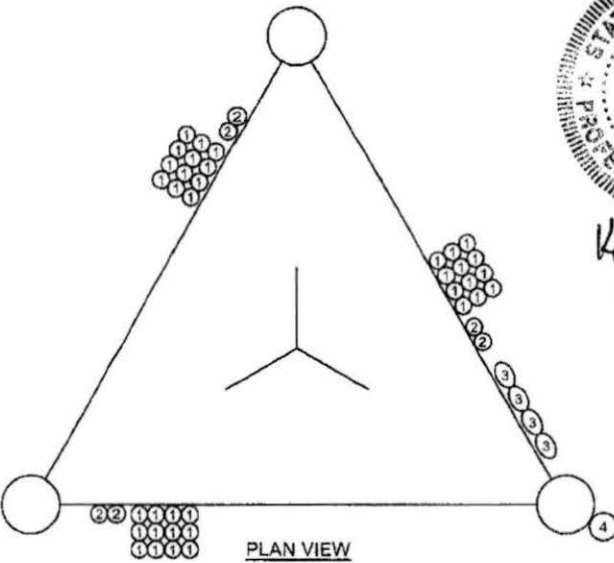
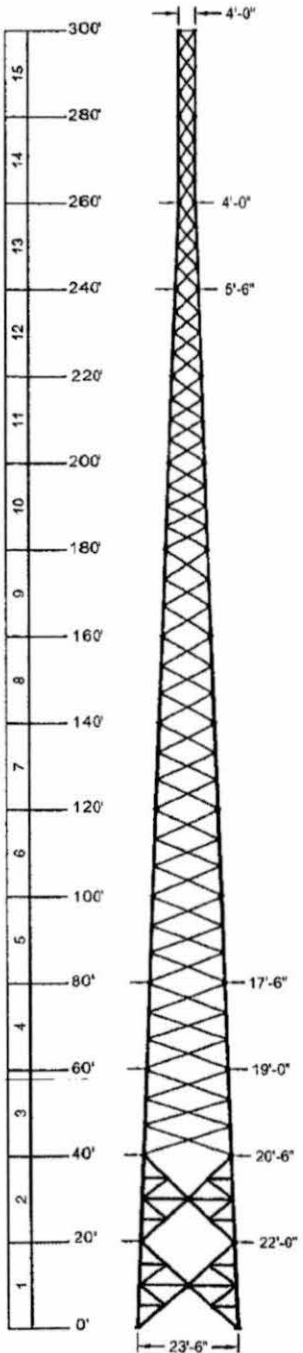
Geologist Log

Location: Haddix Tower Site

Unit Thickness	Total depth	Strata	Description
0.50'	0.50'	Soil	Yellow, Brown with plant fragments
2.50'	3.00'	Shale	Soft, Weathered, Gray and Brown
10.00'	13.00	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 5/8" 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 = 645 KIPS
 C.T. MOMENT = 12469 FT-K

STATE OF KENTUCKY
KEITH M. EATON
 15953
 LICENSED PROFESSIONAL ENGINEER
 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) (6) 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

SCALE: NTS



ALLSTATE TOWER INC.
 P.O. BOX 25
 HENDERSON, KY 40449
 PHONE: (270) 830-6512
 FAX: (270) 830-6475
 WWW.ALLSTATETOWER.COM

DESCRIPTION: TOWER OVERVIEW APPALACHIAN WIRELESS 300' SELF SUPPORT TOWER HADDIX, BREATHITT CO., KY	FILE NAME: 57824FT - A	SHEET: A
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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) 6' STD DISH W/ RADOME	(2) EW65



Keith M. Eaton

1-20-2016

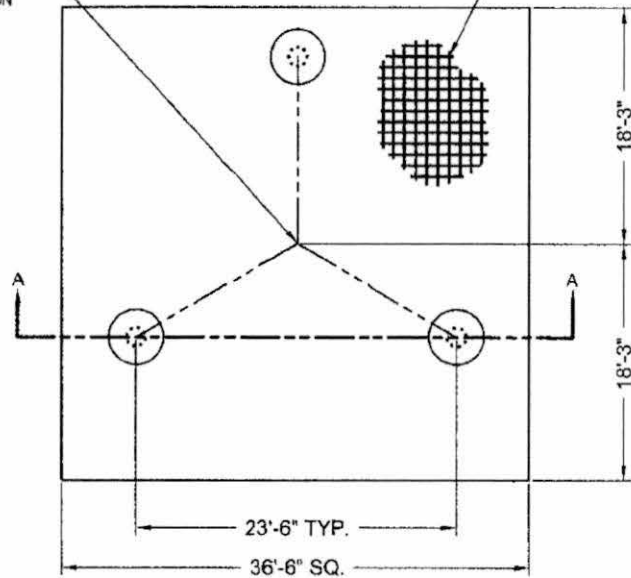


ALLSTATE TOWER INC.
P.O. BOX 25
HENDERSON, KY 42419
PHONE: (270) 836-0512
FAX: (270) 830-9475
WWW.ALLSTATETOWER.COM

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.

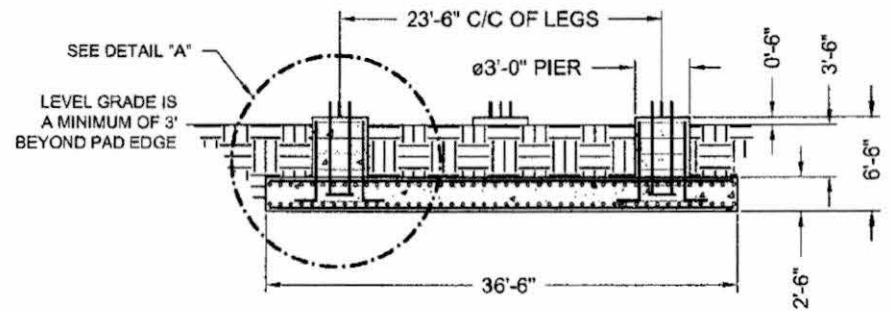
REV #	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN: INCHES	DESCRIPTION:
				TOLERANCE BANDS: X +.003"/-0 ANGLES +/- 2" XX +.002"/-0 XXX +.010"/-0 HOLES +/- .010"/0	TOWER OVERVIEW APPALACHIAN WIRELESS 300' SELF SUPPORT TOWER HADDIX, BREATHTITT CO., KY
SCALE: NTS				DRAWN BY: J. THOMPSON	FILE NAME: 57824FT - A
				DATE: 1/14/2016	SHEET: AA

CENTER OF TOWER AND FOUNDATION
REINFORCEMENT BAR MAT



PLAN VIEW

TOTAL VOLUME OF CONCRETE = 126.5 YD³



SECTION A-A

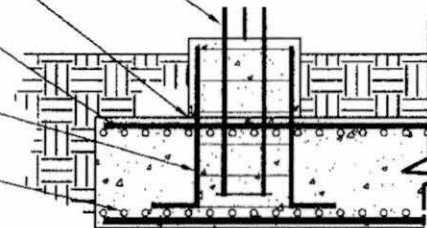
(6) ϕ 1 3/4" X 5'-6" OVERALL LENGTH ANCHOR BOLTS (F1554-GR105) W/ 1" THK BEARING PLATE AT THE BOTTOM OF THE ANCHOR BOLT CLUSTER (4'-6" MIN. ANCHOR BOLT EMBEDMENT).

USE EPOXY BONDING AGENT WHEN POURED SEPARATELY

(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:

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

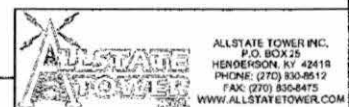


Keith M. Eaton
1-20-2016

FOUNDATION INSTALLATION/DESIGN NOTES:

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 1-10-16. 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". ALL REINFORCING BARS SHALL BE GRADE 60 REBAR (MIN YIELD = 60KSI).
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.



REV #	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES	DESCRIPTION:
				TOLERANCE BANDS: X +.032 / -0 ANGLES +/- 2" XX +.032 / -0 XXX +.015 / -0 HOLES +.01 / -0	PAD & PIER FOUNDATION DESIGN APPALACHIAN WIRELESS HADDIX, BREATHITT CO., KY
SCALE:	NTS			DRAWN BY: J. THOMPSON	FILE NAME:
				DATE: 1/14/2015	SHEET: 57824FT - 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-19284-OE

Issued Date: 12/04/2015

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 Haddix
 Location: Haddix, KY
 Latitude: 37-29-29.21N NAD 83
 Longitude: 83-21-33.90W
 Heights: 1246 feet site elevation (SE)
 310 feet above ground level (AGL)
 1556 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 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 06/04/2017 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 (817) 222-5932. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2015-ASO-19284-OE.

Signature Control No: 271872062-274181173

(DNE)

Joan Tengowski
Technician

Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2015-ASO-19284-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-2015-105

STRUCTURE: Antenna Tower
LOCATION: Haddix, KY
COORDINATES: 37° 29' 29.21" N / 83° 21' 33.90" W
HEIGHT: 310' AGL/1556' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 310' AGL/ 1556' AMSL Antenna Tower near Haddix, KY 37° 29' 29.21" N / 83° 21' 33.90" 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

December 21, 2015

AERONAUTICAL STUDY NUMBER: AS-013-CPF-2015-105

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: Haddix, KY
COORDINATES: 37° 29' 29.21" N / 83° 21' 33.90" W
HEIGHT: 310' AGL /1556'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

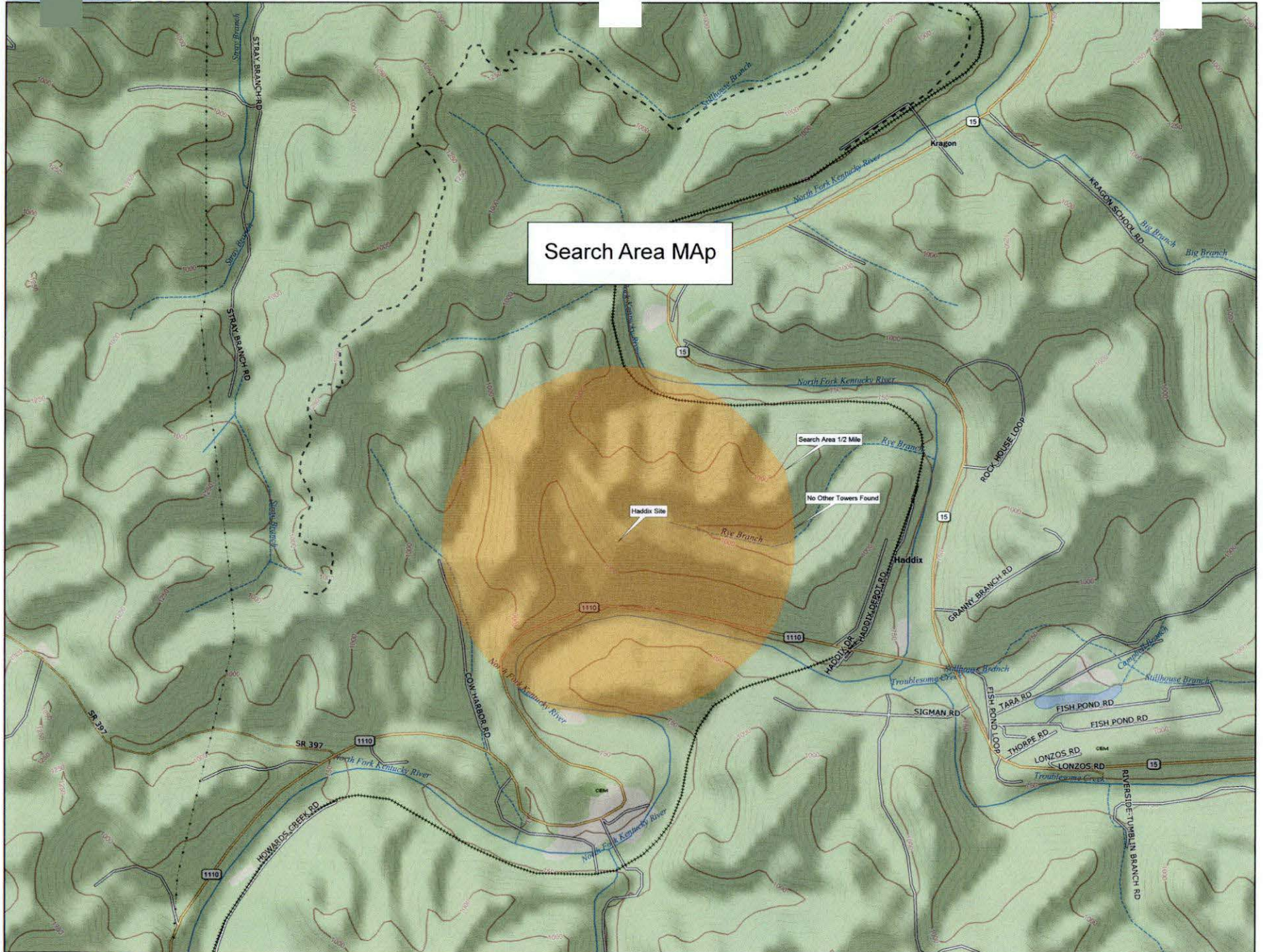
APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) East Kentucky Network, LLC c/o LNGS		PHONE 703-584-8667	FAX 703-584-8692	KY AERONAUTICAL STUDY # AS-013-CPF 295-105
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		DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months) <input type="checkbox"/> days		WORK SCHEDULE Start 12/20/15 End 12/25/15
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°29'29.21"		LONGITUDE 83°21'33.90"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
NEAREST KENTUCKY City Haddix County Breathitt ✓		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Julian Carroll Airport		
SITE ELEVATION (AMSL, feet) 1246		TOTAL STRUCTURE HEIGHT (AGL, feet) 310		CURRENT (FAA aeronautical study #)
OVERALL HEIGHT (site elevation plus total structure height, feet) 1556		PREVIOUS (FAA aeronautical study #)		
DISTANCE (from nearest Kentucky public use or Military airport to structure) 7.4 mi		PREVIOUS (KY aeronautical study #)		
DIRECTION (from nearest Kentucky public use or Military airport to structure) NNE				
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 miles WNW of Haddix (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? 11/10/15				
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 11/10/15	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved				
SIGNATURE 		DATE 12-21-15		

Driving Directions for Haddix

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 .3 miles. Tower site access road will on the right (signs will be posted here).

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



Search Area MAp

Search Area 1/2 Mile

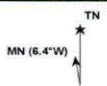
No Other Towers Found

Haddix Site

Data use subject to license.

© DeLorme. Topo North America™ 9.

www.delorme.com



Scale 1 : 22,400



1" = 1,866.7 ft

Data Zoom 13-6

MEMORANDUM OF LEASE

THIS MEMORANDUM OF LEASE is made and entered into on this the 30th day of October, 2015, with a commencement date of November 1st, by and between Patrick Brown and Vickie Brown, his wife, with the mailing address of 9415 Highway 15 South, Jackson, Kentucky 41339, 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 Breathitt County, Kentucky, and being a portion of the same land conveyed to Patrick Brown by Deed of Conveyance referenced in Deed Book 243, Page 62 and Deed Book 242, Page 664 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:

Patrick Brown

Patrick Brown

Vickie Brown

Vickie Brown

COMMONWEALTH OF KENTUCKY
COUNTY OF Breathitt

The foregoing instrument was acknowledged before me on this 30th day of October, 2015, by Patrick Brown and Vickie Brown, Lessors.

Banner D. Bradley
Notary Public

My Commission Expires Feb 3, 2016

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 29th day of October, 2015, by W.A. Gillum, CEO/General Manager of East Kentucky Network, LLC, d/b/a Appalachian Wireless.

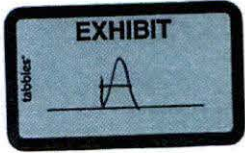
Pamela J. Heller
Notary Public

My Commission Expires Feb 3, 2016

This instrument was prepared by:

William S. Kendrick

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



LOT DESCRIPTION
 Property of
 Patrick Brown and Vickie Brown
 8121 HWY 1110
 Jackson, KY 41339
 Near Haddix in Breathitt County
 October 5, 2015

A portion of the property lying off highway 1110 near the intersection of highways 1110 and 15 in Breathitt County of Kentucky, and near the community of Haddix. Being a part of the same land conveyed by deed from Audrey M. Watson and Kenneth R. Watson, her husband, Clara Evelyn Knutti & John Knutti, her husband, Juanita S. Wheeler, widow, Susie Oredus Thomas, widow, Cora Griffith Wilson, widow, Donald Griffith and Connie Griffith, his wife, Wilma Jean Mullins, widow, Mildred Dilts, widow, Mary E. Cox, widow, Robert Pierce Strong and Patricia Strong, his wife, Douglas E. Cundiff and Shirley Cundiff, his wife, Robert W. Cundiff and Carol Cundiff, Lois Combs and Cova Combs, her husband, Eugene W. Cundiff and Mary Lou Cundiff, his wife, Larry W. Cundiff and Ruby Cundiff, his wife, Lisa Ferguson, single, William T. Strong, and Jeff Griffith and Cindy Griffith to Patrick Brown by Commissioner's Deed dated May 14, 2013 and recorded in Deed Book 243 Page 62 of the Breathitt County Court Clerk, and also being a part of the same land conveyed by Commissioner's Deed from Audrey M. Watson and Kenneth R. Watson, her husband, Clara Evelyn Knutti & John Knutti, her husband, Juanita S. Wheeler, widow, Susie Oredus Thomas, widow, Cora Griffith Wilson, widow, Donald Griffith and Connie Griffith, his wife, Wilma Jean Mullins, widow, Mildred Dilts, widow, Mary E. Cox, widow, Robert Pierce Strong and Patricia Strong, his wife, Douglas E. Cundiff and Shirley Cundiff, his wife, Robert W. Cundiff and Carol Cundiff, Lois Combs and Cova Combs, her husband, Eugene W. Cundiff and Mary Lou Cundiff, his wife, Larry W. Cundiff and Ruby Cundiff, his wife, Lisa Ferguson, single, William T. Strong, Jeff Griffith and Cindy Griffith, his wife, by Lynn Ethel Herald, Special Master Commissioner of the Breathitt County Circuit Court dated April 19, 2013 to Patrick Brown and recorded in Deed Book 242 Page 664 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 performed by James W. Caudill, LS2259, on October 5, 2015.

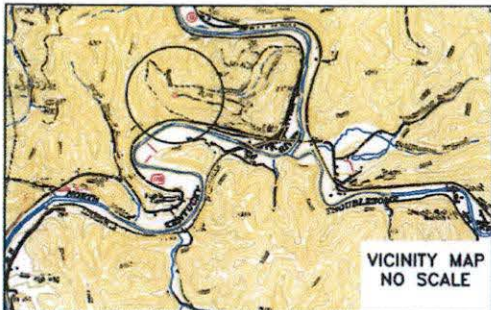
Lot 1B

Beginning on a set iron pin with cap marked LS-2259 on the ridge near a rock pile, said point being on the property line between Patrick Brown (Deed Book: 243 Page: 62, Deed Book: 242 Page:664) and ICG Knott County LLC (Deed Book: 245 Page:732); thence running with the ridge and the ICG Knott County LLC property line South 58 deg 29 min 27 sec East 49.07 feet to a set iron pin on the ridge at a 24" dead hickory and at a wire fence on the ICG Knott County LLC property line; thence running with the ridge and a wire fence on the property line of ICG Knott County LLC North 79 deg 20 min 22 sec East 52.90 feet to a set iron pin with cap marked LS-2259 at a 16" hickory on the ridge at a wire fence on the ICG Knott County LLC property line; thence leaving the ICG line and severing the property line of Patrick Brown South 04 deg 39 min 57 sec East 96.95 feet to a set iron pin with cap marked LS-2259 on the hillside; thence running around the hill South 68 deg 59 min 50 sec West 89.58 feet to a set iron pin with cap marked LS-2259 on a point above a cliff; thence continuing around the hill North 42 deg 35 min 29 sec West 84.44 feet to a set iron pin with cap marked LS-2259 on an old logging road; thence running back up the hill North 25 deg 21 min 28 sec East 91.21 feet to the beginning. Containing a calculated area of 13504 square feet or .31 acres.

This survey was performed on October 5, 2015 by James W. Caudill, a Kentucky Licensed Professional Land Surveyor No. 2259.



James W. Caudill
 James W. Caudill, PLS #2259
 10-5-15



Beginning at a set ipc on ridge at rocks;
 thence S 58°29'27" E a distance of 49.07' to a set ipc on ridge/fence;
 thence N 79°20'22" E a distance of 52.90' to a set ipc on ridge/fence;
 thence S 04°39'57" E a distance of 96.95' to a set ipc on hillside;
 thence S 68°59'50" W a distance of 89.58' to a set ipc on point;
 thence N 42°35'29" W a distance of 84.44' to a set ipc on log road;
 thence N 25°21'28" E a distance of 91.21' to a set ipc on ridge at rocks;
 which is the point of beginning,
 having an area of 13504 square feet, 0.31 acres

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

ICG KNOTT CO. LLC
 BOOK 245 PAGE 732

SET IRON PIN WITH CAP MARKED
 LS2259 AT BASE 24" DEAD HICKORY
 ON RIDGE WITH WIRE FENCE

SET IRON PIN WITH CAP MARKED
 LS2259 AT BASE 16" HICKORY ON RIDGE
 WITH WIRE FENCE

SET IRON PIN WITH CAP MARKED
 LS2259 ON RIDGE AT ROCKS

PATRICK BROWN
 BOOK 243 PAGE 62
 BOOK 242 PAGE 664

PATRICK BROWN
 BOOK 243 PAGE 62
 BOOK 242 PAGE 664

SET IRON PIN WITH CAP MARKED
 MARKED LS2259 ON OLD LOG ROAD

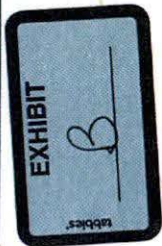
LOT 1B
 13504 Sq. Feet
 0.31 Acres

SET IRON PIN WITH CAP MARKED
 LS2259 ON HILLSIDE

SET IRON PIN WITH CAP MARKED LS2259
 ON POINT ABOVE CLIFF

PROPOSED ACCESS ROAD

ALIGNED TO MAD83 KY SINGLE ZONE



LEGEND

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



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 11604

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

PATRICK BROWN
 BOOK 243 PAGE 62
 BOOK 242 PAGE 664

James W. Caudill 2259 10-5-15
 NAME PLS# DATE

PLAT OF SURVEY

DRAWN BY JWC	SURVEY DATE 10/05/2015	SUB DIVISION PROPERTY OF PATRICK BROWN & VICKIE BROWN 9415 HWY 15 JACKSON, KY 41339 NEAR HADDIX IN BREATHITT CO DEED BOOK 243 PAGE 62
CHECKED BY JWC	DRAWING DATE 10/05/2015	
SCALE 1" = 50'	SHEET 1 OF 1	SURVEYED BY JAMES W. CAUDILL LS2259 2999 PERKINS/MADDEN ROAD AMBURGEY, KY 41773 PHONE 606-642-3217

LINE	BEARING	DISTANCE
L1	S 02°28'10" E	47.92'
L2	S 04°57'56" E	70.73'
L3	S 12°53'29" E	72.26'
L4	S 16°38'20" E	84.18'
L5	S 20°37'37" E	65.69'
L6	S 25°44'50" E	53.10'
L7	S 28°37'52" E	50.30'
L8	S 34°10'13" E	75.46'
L9	S 36°55'19" E	100.88'
L10	S 80°24'23" E	95.15'
L11	S 70°45'47" W	97.18'
L12	S 67°50'53" W	79.28'
L13	S 63°33'21" W	102.44'
L14	S 57°09'39" W	84.12'
L15	S 54°54'44" W	94.96'
L16	S 49°34'44" W	43.63'
L17	S 47°05'51" W	95.18'
L18	S 27°08'39" W	72.81'

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 IVEL, KY. 41642
PROPOSED TOWER SITE
 NEAR HADDIX IN BREATHITT CO

PLAN VIEW

ICG KNOTT CO. LLC
 BOOK 245 PAGE 732

PROPOSED TOWER LOCATION
 LAT:37°29'29.2193"
 LON:83°21'33.9039"

N:3711405.33
 E:5614732.62
 Z:1251.72

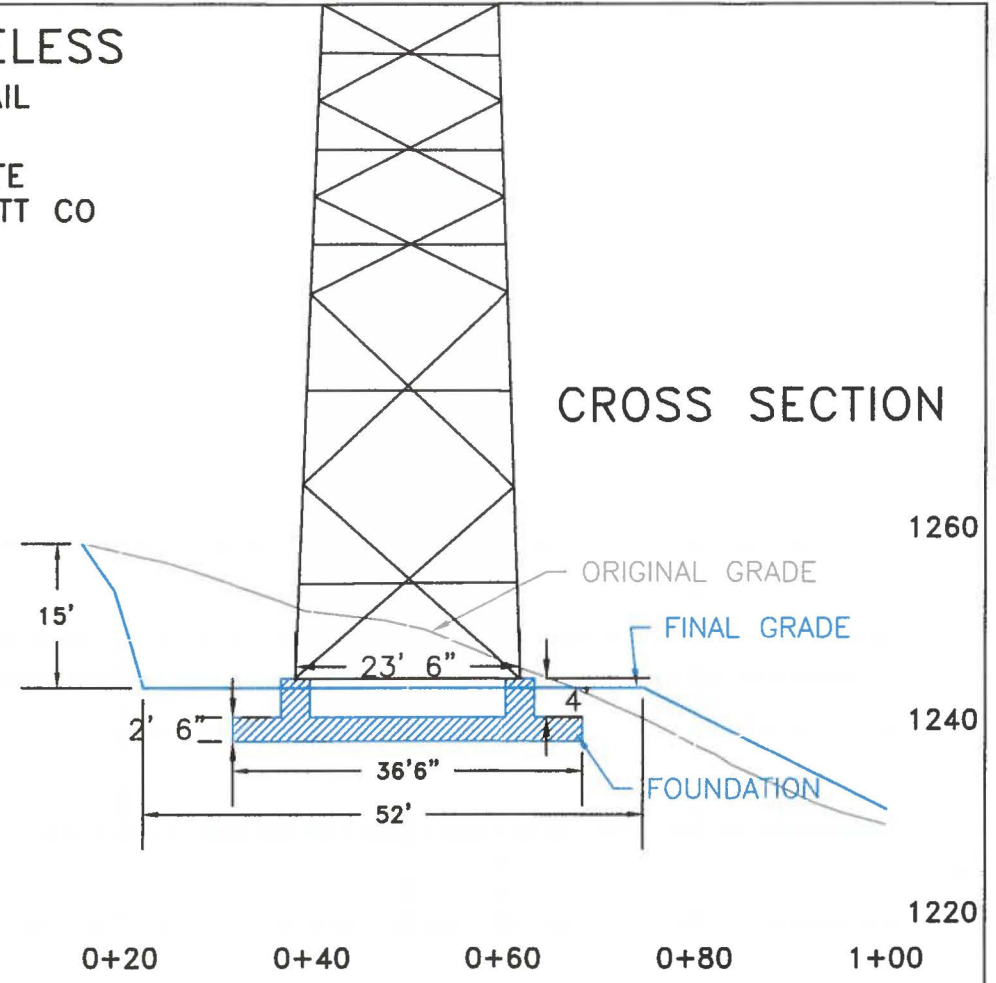
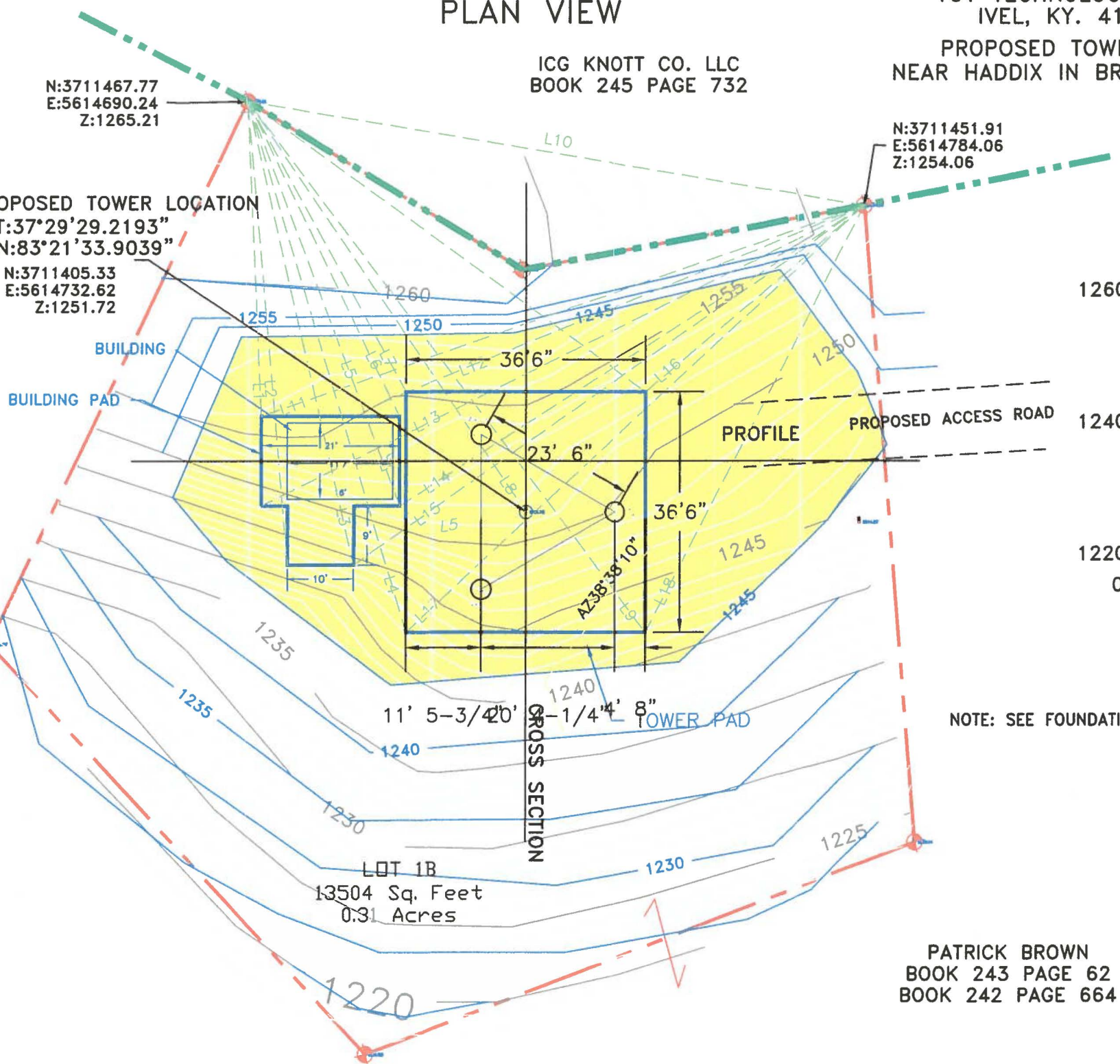
N:3711451.91
 E:5614784.06
 Z:1254.06

ALIGNED TO NAD83 KY SINGLEZONE STATE PLANE NORTH



PATRICK BROWN
 BOOK 243 PAGE 62
 BOOK 242 PAGE 664

PATRICK BROWN
 BOOK 243 PAGE 62
 BOOK 242 PAGE 664



NOTE: SEE FOUNDATION DRAWINGS FOR DETAILS

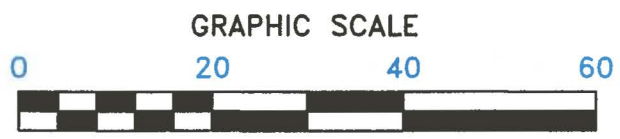
-THE PROPOSED TOWER HAS BEEN LOCATED USING DUAL FREQUENCY GPS UNIT PROCESSED BY "OPUS"
 -STATE PLANE COORDINATES NAD 83 KY SINGLE ZONE N:3711405.33 E:5614732.62 EL 1251.7' EXISTING GRD PLAN- FOUNDATION EL1246.0'-TOP TOWER EL 1546.0'
 -PRECISION: HORIZONTAL=0.30' VERTICAL=0.50'
 -THIS SURVEY MEETS OBSTACLE 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 11-9-15
 JAMES W. CAUDILL PE# DATE

PATRICK BROWN
 BOOK 243 PAGE 62
 BOOK 242 PAGE 664

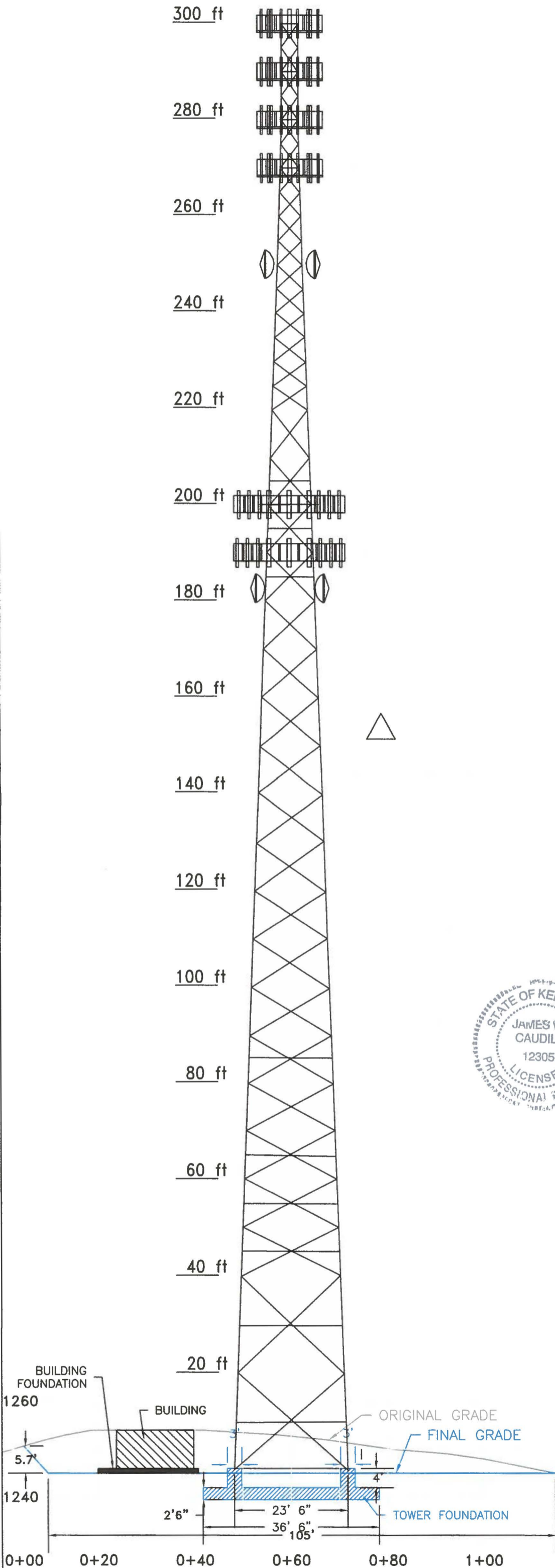


SURVEY STA SET FOUND
 IRON PIN WITH CAP (1/8" X .5" REBAR PLASTIC CAP MARKED LS2259)
 BOUNDARY LINE
 ACCESS ROAD
 PARENT TR LINE

PROPOSED SITE PLAN AND STRUCTURE LOCATION DETAIL SITE PLAN AND CROSS SECTION		
DRAWN JWC	DATE 11/09/15	HADDIX TOWER PATRICK BROWN PROPERTY OFF HWY 1110 N. FK KY RIVER BREATHITT COUNTY
APPROVED	DATE	
SCALE 1" = 20'	SHEET 2 OF 3	PROJECT NO. HADDIXBREATHITT/HX20site

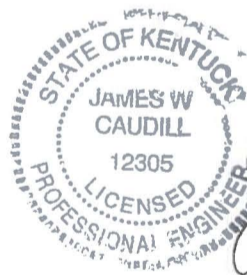
**APPLICATION
CONTAINS
OVERSIZED
MAP(S)**

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 IVEL, KY. 41642
 PROPOSED TOWER SITE
 NEAR HADDIX IN BREATHITT CO.



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 11-9-15
 JAMES W. CAUDILL PE #. DATE

NOTE: SEE FOUNDATION DRAWINGS FOR DETAILS

11/09/15
 SCALE 1" = 20'



PROPOSED SITE PLAN AND STRUCTURE LOCATION PROFILE OF HADDIX TOWER SITE

DRAWN JWC	DATE 11/09/15	HADDIX TOWER PATRICK BROWN PROPERTY OFF HWY 1110 N. FK KY RIVER BREATHITT COUNTY
APPROVED	DATE	
SCALE 1" = 20'	SHEET 3 OF 3	PROJECT NO. HADDIXBREATHITT/HX20PRO