

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

RECEIVED

DEC 17 2015

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 2015-00362
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 350 foot self-supporting tower on a tract of land located on Middle Fork, Salyersville, Magoffin County, Kentucky (37°38'09.9385"N 83°09'36.9242"W). A map and detailed directions to the site can be found in Exhibit 7.

Exhibit 2 is a list of all Property owners or residents according to the property valuation administrator's record who reside or own property within 500 feet of the proposed tower in accordance with the Public Valuation Administrator. No other properties are contiguous with East Kentucky Network's property.

Pursuant to 807 KAR 5:063 Section 1 (1)(L) and Section 1(1)(n)(1) all affected property owners according to the property valuation administrator's record who reside or own property

within 500 feet of the proposed Tower 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, December 17, 2015, 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 World Tower Company, 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 applications 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 November 17, 2015, 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 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 Mike 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 staff at East Kentucky Network, LLC d/b/a Appalachian Wireless, and reviewed by William S. Kendrick, Attorney at Law. 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: 12/15/15
Lynn Haney, Regulatory Compliance Director

APPROVED BY: W.A. Gillum DATE: 12-14-15
W.A. Gillum, General Manager

ATTORNEY: Wm. S. Kendrick DATE: 12/14/2015
Hon. William S. Kendrick, 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

William S. Kendrick, Attorney
Phone: (606) 263-4943
Email: wkendrick@pennstuart.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 Applications
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	

Cellular License - KNKN880 - East Kentucky Network, LLC d/b/a Appalachian Wireless

Call Sign KNKN880 Radio Service CL - Cellular
Status Active Auth Type Regular

Market

Market CMA451 - Kentucky 9 - Elliott 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

10/23/1996

Control Points

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 P:(606)477-2355
Ivel, KY 41642 F:(606)874-7551
ATTN Gerald Robinette, Manager

Contact

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

Ownership and Qualifications

Radio Service Mobile
Type
Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

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

Basic Qualifications

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

EXHIBIT II: LIST OF PROPERTY OWNERS:

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

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

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

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

LIST OF PROPERTY OWNERS

Forest Montgomery
337 N River Road
Salyersville, KY 41465

Susan Arnett, etal
3094 Bunker Hill Road
Mt. Sterling, KY 40353

Mountain Properties, Inc.
120 Campbell Drive
Hazard, KY 41701



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

December 8, 2015

Forest Montgomery
337 N River Road
Salyersville, KY 41465

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00362)

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 **350-foot self-supporting tower with attached antennas extending upwards, and an equipment shelter** located on a tract of land on Middle Fork, Salyersville, 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 or reside within a 500' radius of the proposed tower.

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. 2015-00362 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 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

December 8, 2015

Susan Arnett, etal
3094 Bunker Hill Road
Mt. Sterling, KY 40353

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00362)

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 350-foot self-supporting tower with attached antennas extending upwards, and an equipment shelter located on a tract of land on Middle Fork, Salyersville, 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 or reside within a 500' radius of the proposed tower.

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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 1



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

December 8, 2015

Mountain Properties, Inc.
120 Campbell Drive
Hazard, KY 41701

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00362)

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 350-foot self-supporting tower with attached antennas extending upwards, and an equipment shelter located on a tract of land on Middle Fork, Salyersville, 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 or reside within a 500' radius of the proposed tower.

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. 2015-00362 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 1

Appalachian Wireless Location Map



Site Name

Cranes Nest

Location

10943 Middle Fork Salyersville, KY. 41465

GPS Location

N 37 38 09.9385

W 83 09 36.924

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

EAST KENTUCKY
NETWORK



To: The Salyersville Independent
Attn: Classifieds

From: Raina Helton
Regulatory Compliance Assistant

Email: jo@salyersvilleindependent.com

Date: December 8, 2015

Re: PUBLIC NOTICE ADVERTISEMENT

Pages: 1

Please place the following Public Notice Advertisement in The Salyersville Independent to be ran on December 17, 2015.

PUBLIC NOTICE:

RE: Public Service Commission of Kentucky (CASE NO. 2015-00362)

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 on Middle Fork, Salyersville, Magoffin County, Kentucky. The proposed tower will be a 350 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. 2015-00362.

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

December 8, 2015

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

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00362)

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 350-foot self-supporting tower with attached antennas extending upwards, and an equipment shelter located on a tract of land on Middle Fork, Salyersville, 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.

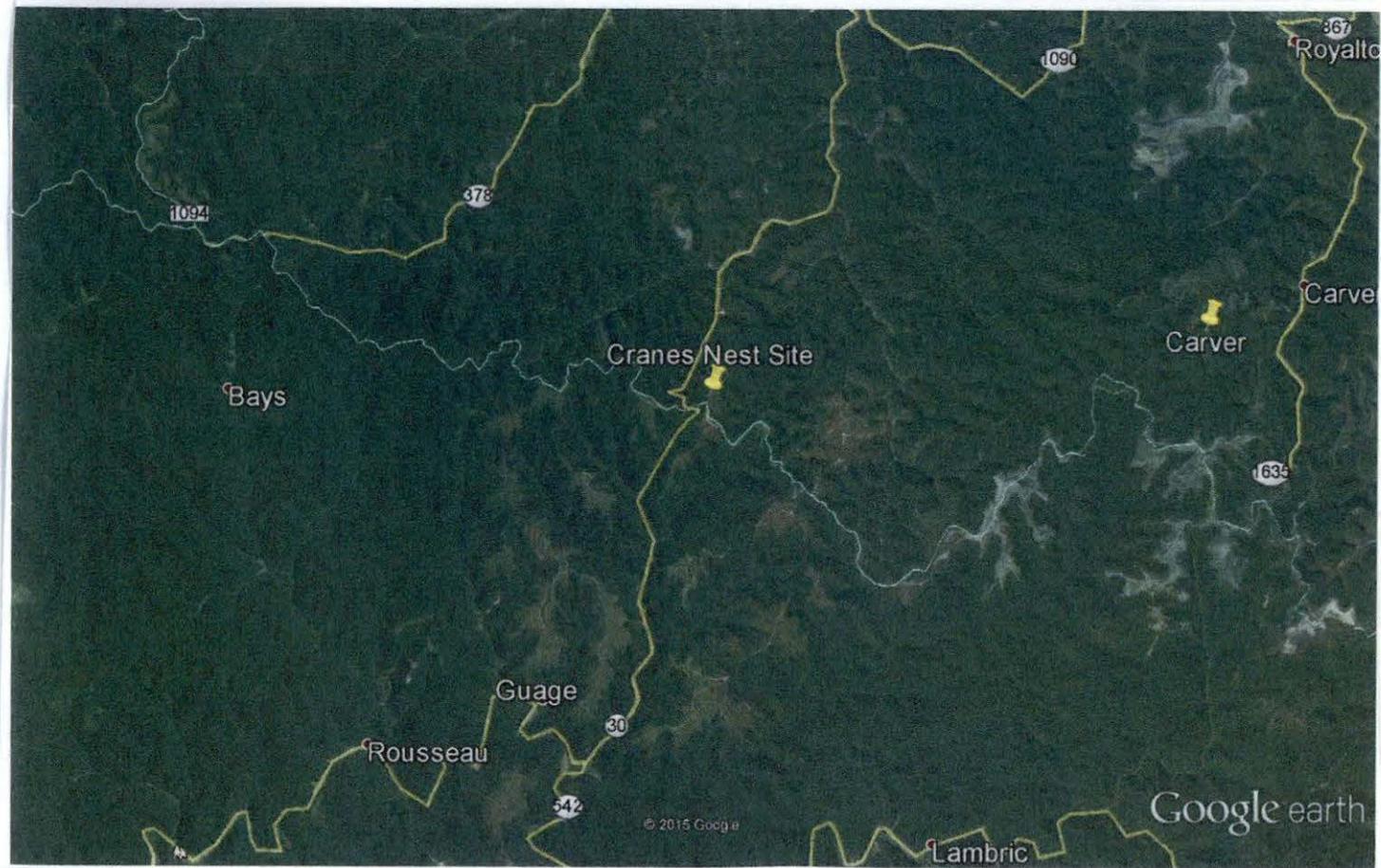
Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, P.O. Box 615, Frankfort, KY 40602. Please refer to Case No. 2015-00362 in your correspondence.

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

Appalachian Wireless Location Map



Site Name

Cranes Nest

Location

10943 Middle Fork Salyersville, KY. 41465

GPS Location

N 37 38 09.9385

W 83 09 36.924

WENDELL R. HOLMES, P.G.

424 Pear Street
Hazard, KY 41701
November 6, 2015

Cranes Nest Tower Site

Purpose:

A site assessment was conducted for Appalachian Wireless on a tract of land located in Magoffin County near Foraker, Kentucky. The site of the proposed tower is a reclaimed surface mine. 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 dig a trench in the sandstone 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 2.20 miles southwest of the community of Foraker, KY near the Breathitt and Magoffin County line in Magoffin County. The sandstone bedrock below the tower site is approximately 8.50 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 bedrock. However, it is apparent that the tower will be constructed on the sandstone 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, P.G.



WENDELL R. HOLMES, P.G.

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

Geologist Log

Location: Cranes Nest Tower Site

Unit Thickness	Total depth	Strata	Description
8.50'	8.50'	Mine Fill	Shale, Sandstone, Rocks and Fragments
10.00'	18.50'	Sandstone	Weathered, Brown and Gray



World Tower
COMPANY, INC.

1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
270-247-3642
FAX: 270-247-0909
E-mail: worldtower@worldtower.com
Web: www.worldtower.com

**350' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: CRANES NEST
MAGOFFIN COUNTY, KY
DESIGN PACKAGE**



11-23-2015

GENERAL NOTES

1. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
2. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
3. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
4. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND OR PIPE AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
5. ALL STRUCTURAL BOLTS ARE ASTM A325.
6. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA-222-G EVERY 5 YEARS.
7. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.

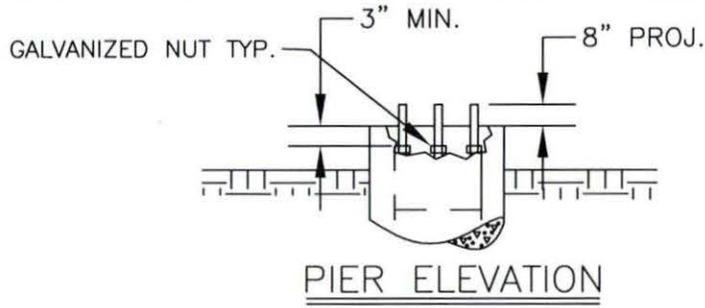
11-23-2015



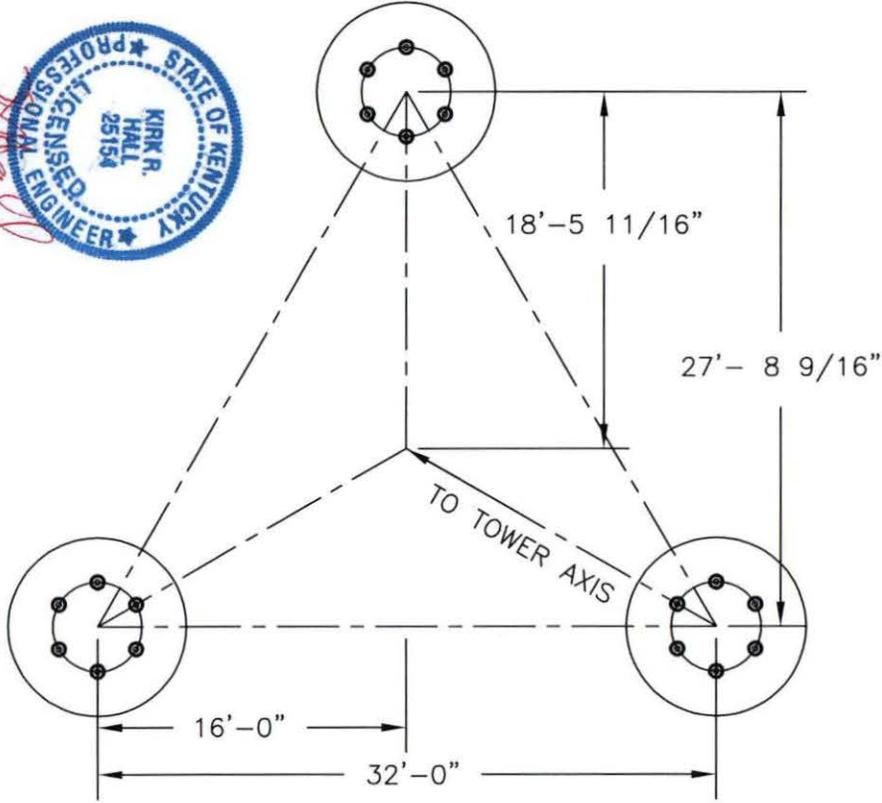
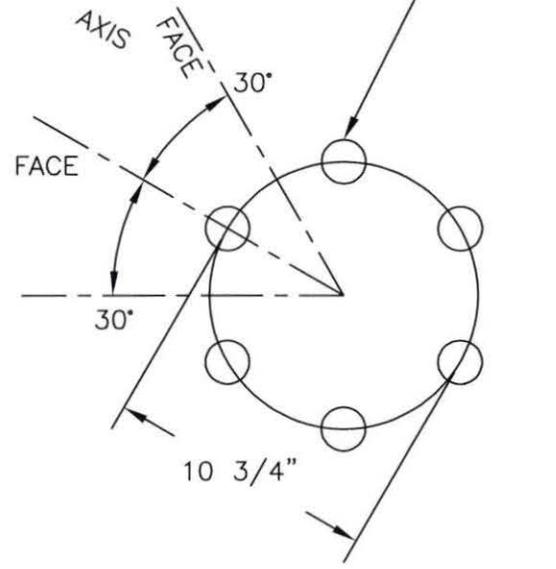
WORLD TOWER

TITLE:
350' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: CRANES NEST
MAGOFFIN COUNTY, KY

SCALE	DWN.	LKG	CKD.	DATE 11-23-15
FILE	DWG. NO.			Q15869N



ANCHOR BOLTS
 (6) 1 1/2" X 84"
 ASTM A354 GR BC
 EQUALLY SPACED ON A
 10 3/4" DIA. BOLT CIRCLE WITH
 TOP TEMPLATE AND
 EMBEDDED PLATE

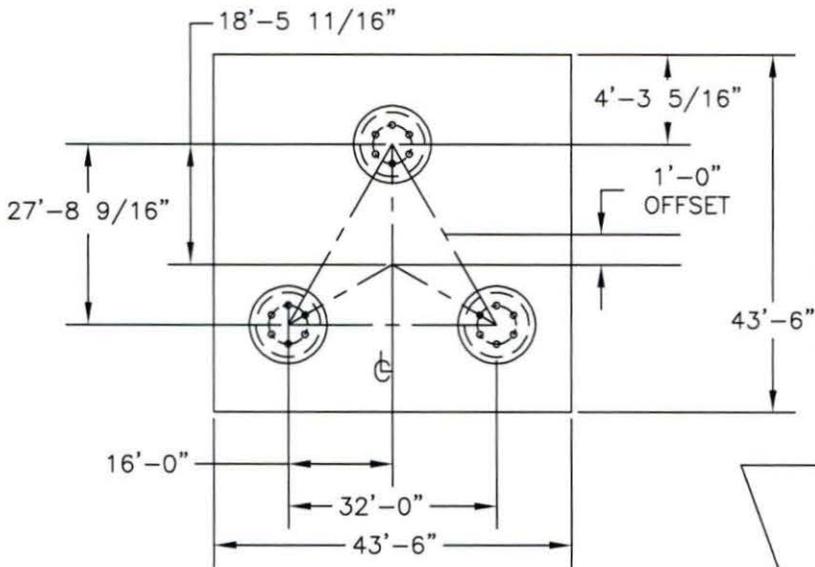


11-23-2015
 KIRK R. HALL
 25154
 LICENSED PROFESSIONAL ENGINEER
 STATE OF KENTUCKY

TITLE: ANCHOR BOLT LAYOUT
 350' MODEL WSST TOWER
 FOR: APPALACHIAN WIRELESS
 SITE: CRANES NEST
 MAGOFFIN COUNTY, KY

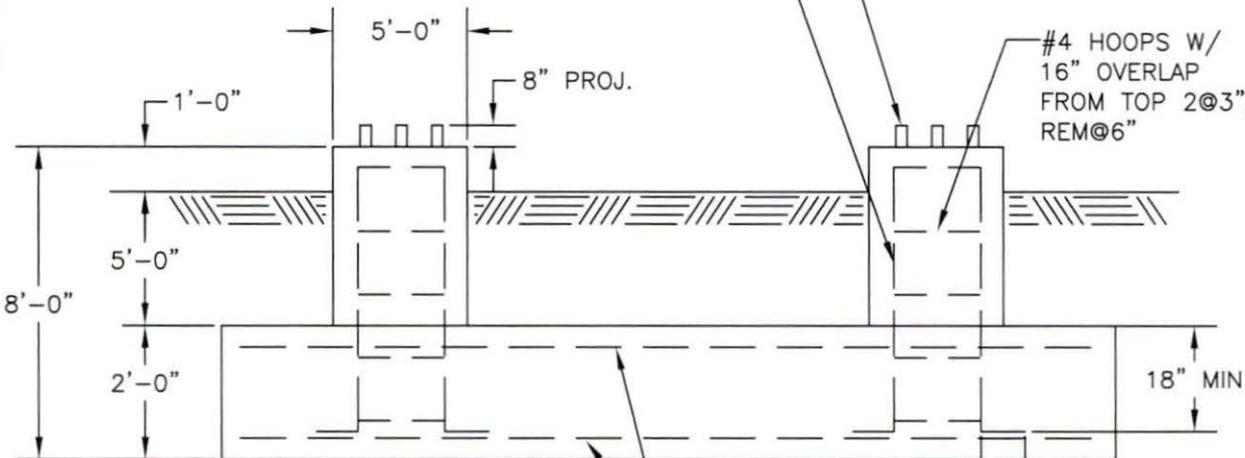
WORLD TOWER

SCALE	NONE	DWN.	LKG	CKD.	DATE	11-23-15
FILE			DWG. NO.	Q15869AB		



153.0 CU. YDS.
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	18079.0 FT. KIPS
COMP.	694.0 KIPS
UPLIFT	579.0 KIPS
SHEAR (3 LEGS)	104.0 KIPS
WT. (NO ICE)	126.0 KIPS
WT. (3/4" ICE)	382.0 KIPS



24 #8 VERT. REBARS
WITH 90° A.C.I. BEND AT BOTTOM

ANCHOR BOLTS
WITH EMBEDDED PLATE
AT BOTTOM

#4 HOOPS W/
16" OVERLAP
FROM TOP 2@3",
REM@6"

48-#11 REBARS
EACH WAY TOP AND BOTTOM
(TOTAL = 192)



11-23-2015

GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED UPON CUSTOMER SUPPLIED SOILS BY WENDELL R. HOLMES DATED NOVEMBER 6, 2015.

TITLE: FOUNDATION DETAIL
350' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: CRANES NEST
MAGOFFIN COUNTY, KY

WORLD TOWER

SCALE	DWN. LKG	CKD.	DATE 11-23-15
FILE	DWG. NO. Q15869F		



**Federal Aviation
Administration**

The OE/AAA site will be taken down from 10:00 am to 11:00 am US/Eastern on Saturday December 12, 2015 for scheduled maintenance.

FAA Advisory Circular 70/7460-1L, Obstruction Marking Lighting was published on 12/4/2015, and is effective as of that date. The document may be viewed at

http://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.information/documentID/1028657

<< OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Add a new Case Off Airport - Desk Reference Guide V_2015.4.0

Add a New Case Off Airport for Wind Turbines - Met Towers - Desk Reference Guide V_2015.4.0

Project Name: EAST -000350785-15

Sponsor: East Kentucky Network, LLC

Details for Case : Foraker (Cranes Nest)

Show Project Summary

Case Status

ASN: 2015-ASO-20963-OE

Status: Accepted

Public Comments: None

Date Accepted: 12/11/2015

Date Determined:

Letters: None

Documents: 12/11/2015  Foraker (Cranes N...

Project Documents:
None

Construction / Alteration Information

Notice Of: Alteration

Duration: Permanent

if Temporary : Months: Days:

Work Schedule - Start: 01/05/2016

Work Schedule - End: 01/10/2016

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

Structure Summary

Structure Type: Tower

Structure Name: Foraker (Cranes Nest)

FDC NOTAM:

NOTAM Number:

FCC Number:

Prior ASN: 2015-ASO-19021-OE

Structure Details

Latitude: 37° 38' 9.93" N
Longitude: 83° 9' 36.92" W
Horizontal Datum: NAD83
Site Elevation (SE): 1289 (nearest foot)
Structure Height (AGL): 360 (nearest foot)
Current Height (AGL): 360 (nearest foot)
** For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

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

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

Requested Marking/Lighting: Dual-red and medium intensity

Other :

Recommended Marking/Lighting:

Current Marking/Lighting: Dual-red and medium intensity

Other :

Nearest City: foraker

Nearest State: Kentucky

Description of Location: Cranes Nest site, approx. 2.1 mi SW of Foraker (Magoffin), KY
On the Project Summary page upload any certified survey.

Description of Proposal: Correct the coordinates for the proposed 360' site.

Common Frequency Bands

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

Specific Frequencies



KENTUCKY AIRPORT ZONING COMMISSION

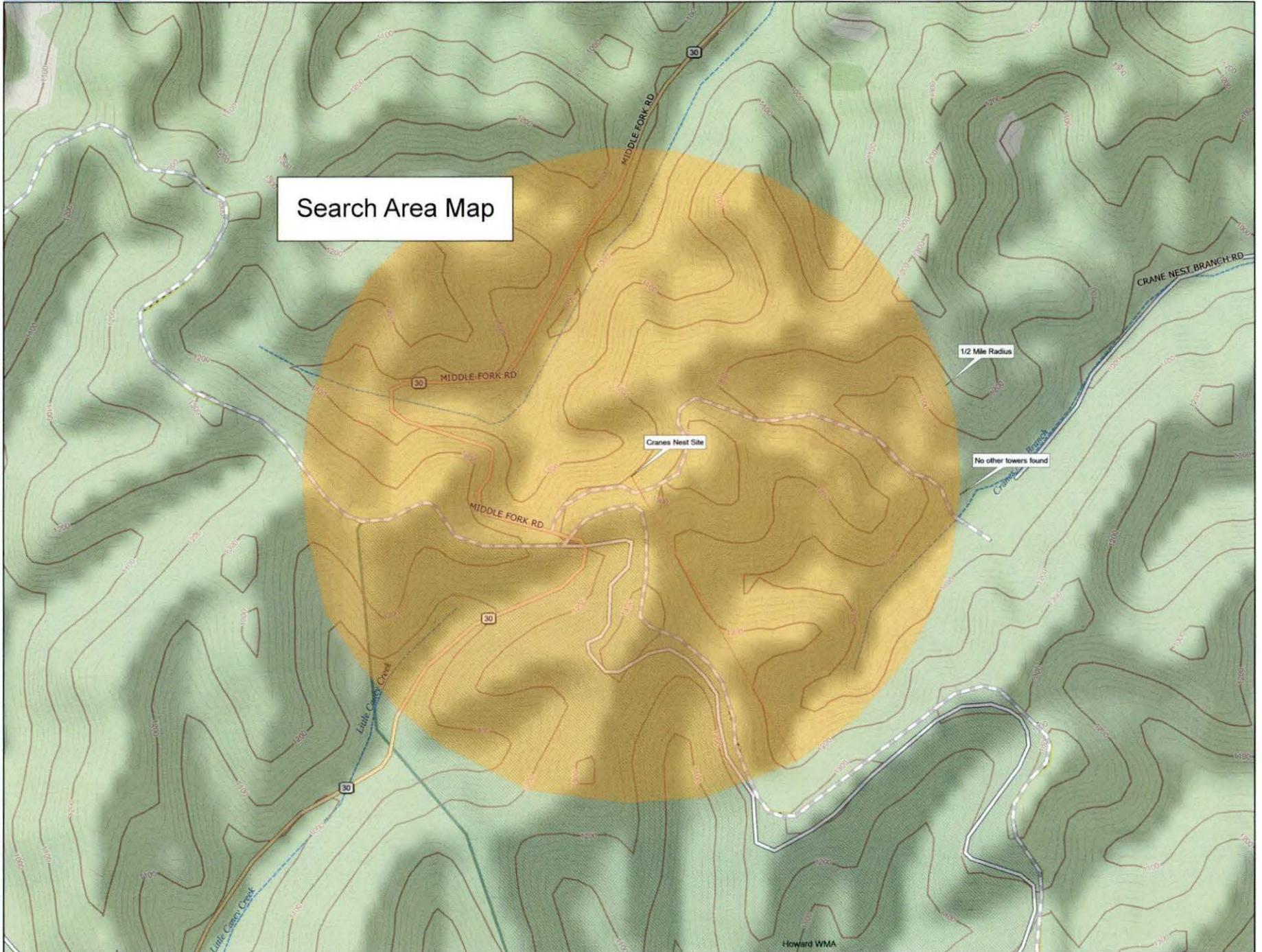
APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) East Kentucky Network, LLC c/o LNGS		PHONE 703-584-8667	FAX 703-584-8692	KY AERONAUTICAL STUDY #
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°38'09.93"		LONGITUDE 83°09'36.92"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
NEAREST KENTUCKY City Foraker County Magoffin		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Julian Carroll Airport		
TE ELEVATION (AMSL, feet) 1289		TOTAL STRUCTURE HEIGHT (AGL, feet) 360		CURRENT (FAA aeronautical study #)
OVERALL HEIGHT (site elevation plus total structure height, feet) 1649				PREVIOUS (FAA aeronautical study #)
DISTANCE (from nearest Kentucky public use or Military airport to structure) 9.1 mi				PREVIOUS (KY aeronautical study #)
DIRECTION (from nearest Kentucky public use or Military airport to structure) WSW				
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Cranes Nest site, approx. 2.1 mi SW of Foraker (Magoffin), KY				
DESCRIPTION OF PROPOSAL A new 350' tower with top-mounted antennas (overall height of 360' 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 i Kuzehkanani	TITLE Dir of Engineering	SIGNATURE <i>Ali Kuzehkanani</i>	DATE 11/06/15	
COMMISSION ACTION <input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC				
<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	SIGNATURE		DATE	

Driving Directions for Cranesnest

Starting in front of the Magoffin County Court House at the intersection of Highways 460, 40 and 7, take Route 7 (South/460 East) .2 miles, turn right on Route 7 (South). Go 1.1 miles, turn right on Mountain Parkway (West), go 2.8 miles, turn right. Go to end of ramp, turn left on Route 30 (West), go 9.0 miles, tower access road is on the left (signs will be posted here).

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



Search Area Map

Cranes Nest Site

1/2 Mile Radius

No other towers found

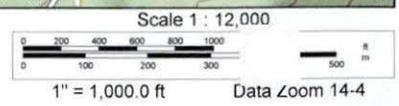
Howard WMA

Data use subject to license.

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www.delorme.com

TN
MN (6.6°W)



MEMORANDUM OF LEASE

THIS MEMORANDUM OF LEASE is made and entered into on this the 13th day of October, 2015, with a commencement date of October 1st, by and between Forrest Montgomery and Linda Gail Montgomery, his wife, with the mailing address of 337 North River Road, Salyersville, Kentucky 41465, 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 Forrest and Linda Gail Montgomery by Deed of Conveyance referenced in Deed Book 141, Page 69, 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:

Forrest Montgomery
Forrest Montgomery

Linda Gail Montgomery
Linda Gail Montgomery

COMMONWEALTH OF KENTUCKY
COUNTY OF Morgan

The foregoing instrument was acknowledged before me on this 13th day of October, 2015, by Forrest and Linda Gail Montgomery, Lessors.

Paena S. 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

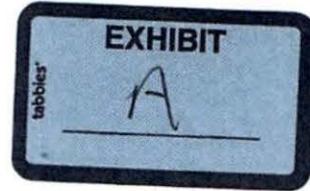
The foregoing instrument was acknowledged before me on this 12th day of October, 2015, by W.A. Gillum, CEO/General Manager of East Kentucky Network, LLC, d/b/a Appalachian Wireless.

Raina D. Bradley
Notary Public

My Commission Expires Feb 3, 2016

This instrument was prepared by:

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



Description
Cranes Nest Tower Site
Magoffin County, KY

A certain tract or parcel of land, lying and being in Magoffin County, Kentucky and located on haunted Lick Fork of the Left Fork of the Middle Fork, a tributary of the Licking River and 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.

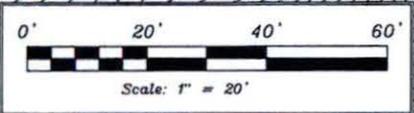
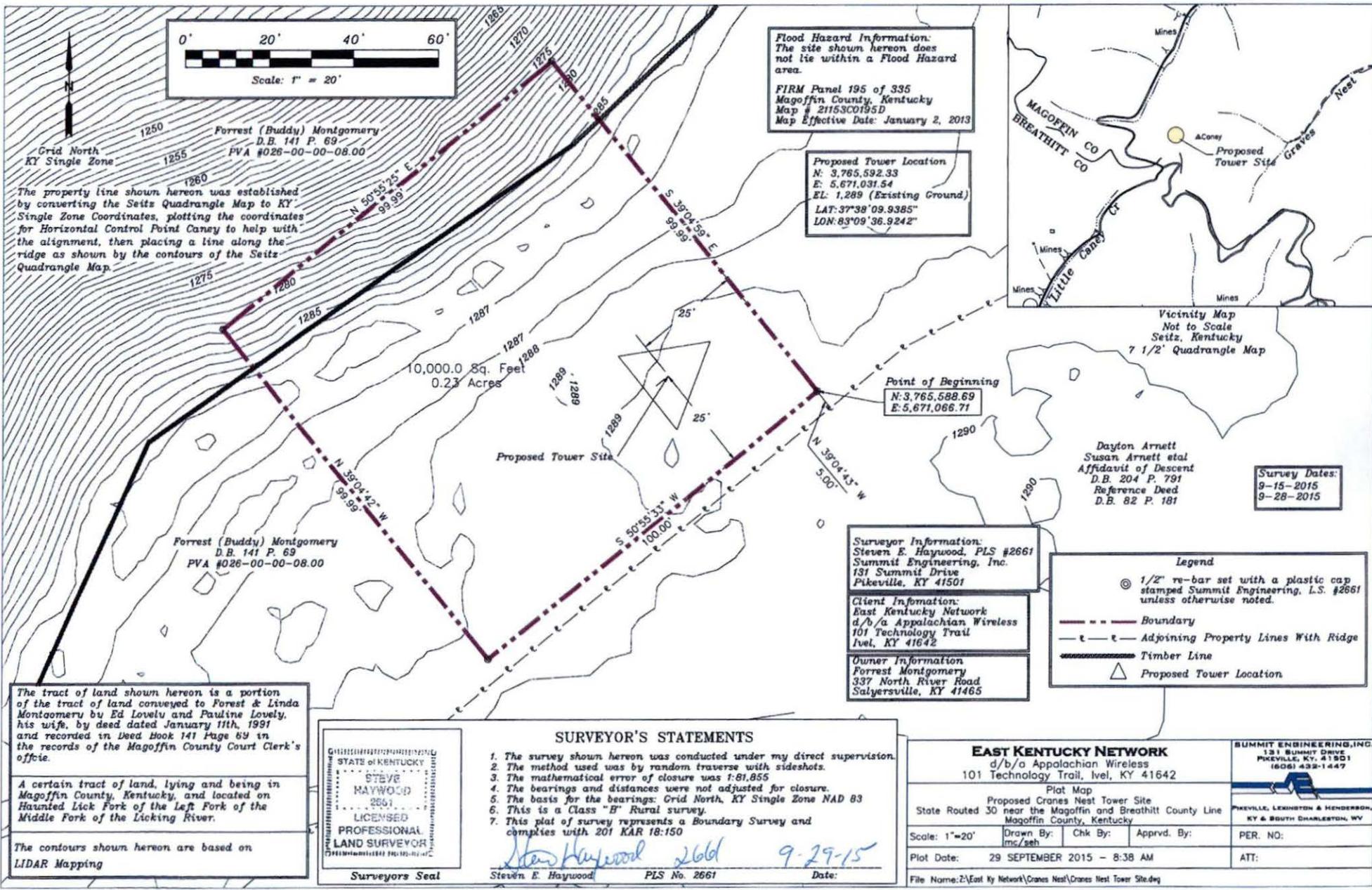
Beginning at a set Re-bar and Cap and being N 39°04'43" W a distance of 5.00' from the boundary line between Forest Montgomery (D.B. 141 P. 69) and Dayton and Susan Arnett, Heirs (AOD D.B. 204 P. 791 Reference Deed D.B. 82 P. 181) and having Kentucky Single Zone Coordinates of N: 3,765,588.69 E: 5,671,066.71;

Thence, S 50°55'33" W a distance of 100.00' to a set Re-Bar and Cap;
Thence, N 39°04'42" W a distance of 99.99' to a set Re-Bar and Cap;
Thence, N 50°55'25" E a distance of 99.99' to a set Re-Bar and Cap;
Thence, S 39°04'59" E a distance of 99.99' to the point of beginning and containing 0.23 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 28, 2015 and being a portion of the tract of land conveyed to Forrest Montgomery and Linda Gail Montgomery, his wife, by Ed Lovely and Pauline Lovely, his wife, by deed dated January 11, 1991 and recorded in Deed Book 141 Page 69 in the records of the Magoffin County Court Clerk's office.


Steven E. Haywood, PLS #2661



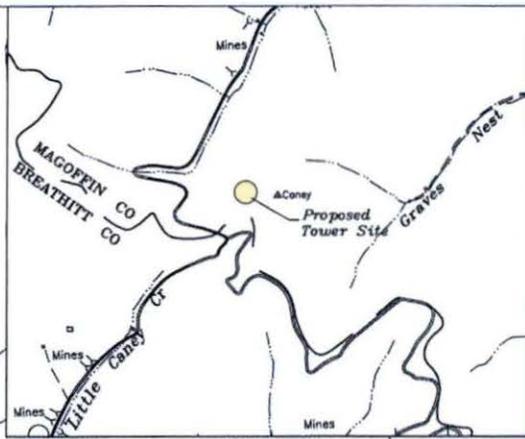
Date: 9/29/2015



Flood Hazard Information:
 The site shown hereon does not lie within a Flood Hazard area.

FIRM Panel 195 of 335
 Magoffin County, Kentucky
 Map # 21153CD195D
 Map Effective Date: January 2, 2013

Proposed Tower Location
 N: 3,765,592.33
 E: 5,671,031.54
 EL: 1,289 (Existing Ground)
 LAT: 37°38'09.9385"
 LON: 83°09'36.9242"



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

Dayton Arnett
 Susan Arnett et al
 Affidavit of Descent
 D.B. 204 P. 791
 Reference Deed
 D.B. 82 P. 181

Survey Dates:
 9-15-2015
 9-28-2015

The property line shown hereon was established by converting the Seitz Quadrangle Map to KY Single Zone Coordinates, plotting the coordinates for Horizontal Control Point Caney to help with the alignment, then placing a line along the ridge as shown by the contours of the Seitz Quadrangle Map.

Forrest (Buddy) Montgomery
 D.B. 141 P. 69
 PVA #026-00-00-08.00

Forrest (Buddy) Montgomery
 D.B. 141 P. 69
 PVA #026-00-00-08.00

Point of Beginning
 N: 3,765,588.69
 E: 5,671,066.71

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
 Forrest Montgomery
 337 North River Road
 Salyersville, KY 41465

Legend

- ⊙ 1/2" re-bar set with a plastic cap stamped Summit Engineering, L.S. #2661 unless otherwise noted.
- Boundary
- - - - - Adjoining Property Lines With Ridge
- ▬▬▬▬▬▬ Timber Line
- △ Proposed Tower Location

The tract of land shown hereon is a portion of the tract of land conveyed to Forest & Linda Montgomery by Ed Lovelv and Pauline Lovelv, his wife, by deed dated January 11th, 1991 and recorded in Deed Book 141 Page 69 in the records of the Magoffin County Court Clerk's office.

A certain tract of land, lying and being in Magoffin County, Kentucky, and located on Haunted Lick Fork of the Left Fork of the Middle Fork of the Licking River.

The contours shown hereon are based on LIDAR Mapping

STATE OF KENTUCKY
 STEVE HAYWOOD
 2661
 LICENSED LAND SURVEYOR

Surveyors Seal

SURVEYOR'S STATEMENTS

1. The survey shown hereon was conducted under my direct supervision.
2. The method used was by random traverse with sideshots.
3. The mathematical error of closure was 1:81,855
4. The bearings and distances were not adjusted for closure.
5. The basis for the bearings: Grid North, KY Single Zone NAD 83
6. This is a Class "B" Rural survey.
7. This plat of survey represents a Boundary Survey and complies with 201 KAR 18:150

Steven E. Haywood 2661 9-29-15
 Steven E. Haywood PLS No. 2661 Date:

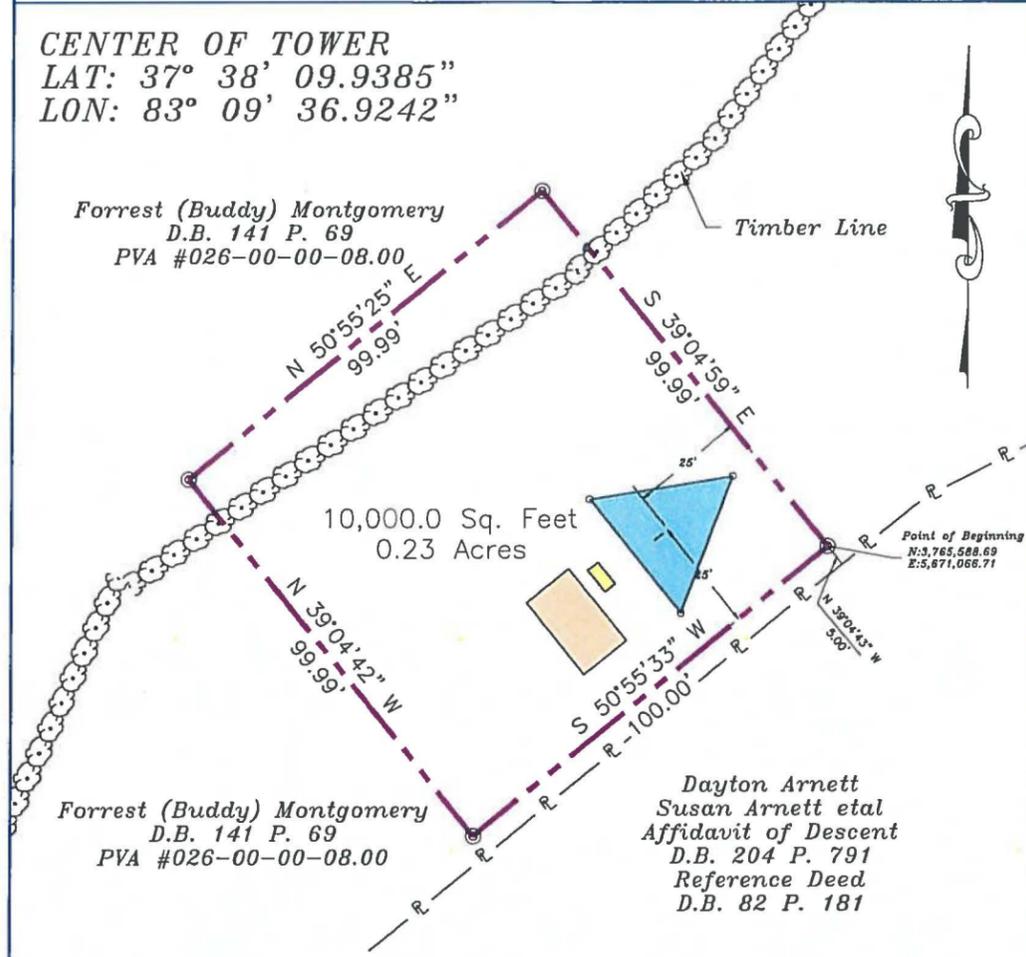
EAST KENTUCKY NETWORK d/b/a Appalachian Wireless 101 Technology Trail, Ivel, KY 41642				SUMMIT ENGINEERING, INC. 131 SUMMIT DRIVE PIKEVILLE, KY, 41501 (606) 432-1447	
Plot Map Proposed Cranes Nest Tower Site State Routed 30 near the Magoffin and Breathitt County Line Magoffin County, Kentucky					
Scale: 1"=20'	Drawn By: ms/esh	Chk By:	Apprvd. By:	PER. NO.:	ATT:
Plot Date: 29 SEPTEMBER 2015 - 8:38 AM					
File Name: Z:\East Ky Network\Cranes Nest\Cranes Nest Tower Site.dwg					

CRANES NEST TOWER

SITE SURVEY WITH PROPOSED TOWER & BUILDING LOCATION

CENTER OF TOWER
 LAT: 37° 38' 09.9385"
 LON: 83° 09' 36.9242"

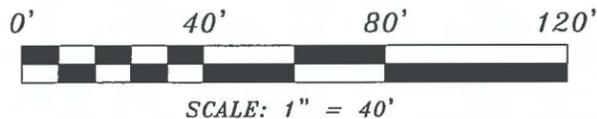
Forrest (Buddy) Montgomery
 D.B. 141 P. 69
 PVA #026-00-00-08.00



Forrest (Buddy) Montgomery
 D.B. 141 P. 69
 PVA #026-00-00-08.00

Dayton Arnett
 Susan Arnett et al
 Affidavit of Descent
 D.B. 204 P. 791
 Reference Deed
 D.B. 82 P. 181

NOTE: Survey taken from Plat by
 Summit Engineering, Inc. dated 9-29-2015.



Legend

- ⊙ 1/2" re-bar set with a plastic cap stamped Summit Engineering, L.S. #2661 unless otherwise noted.
- Boundary
- R --- R --- Adjoining Property Lines With Ridge
- △ Proposed Tower Location
- NAD 83 KY Single Zone State Plane Coordinates
 N: 3,765,592.33
 E: 5,671,031.54
- EL: 1,289 (Existing Ground)

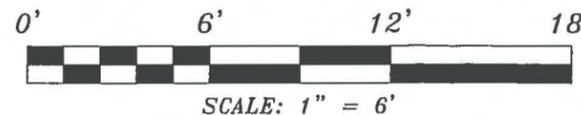
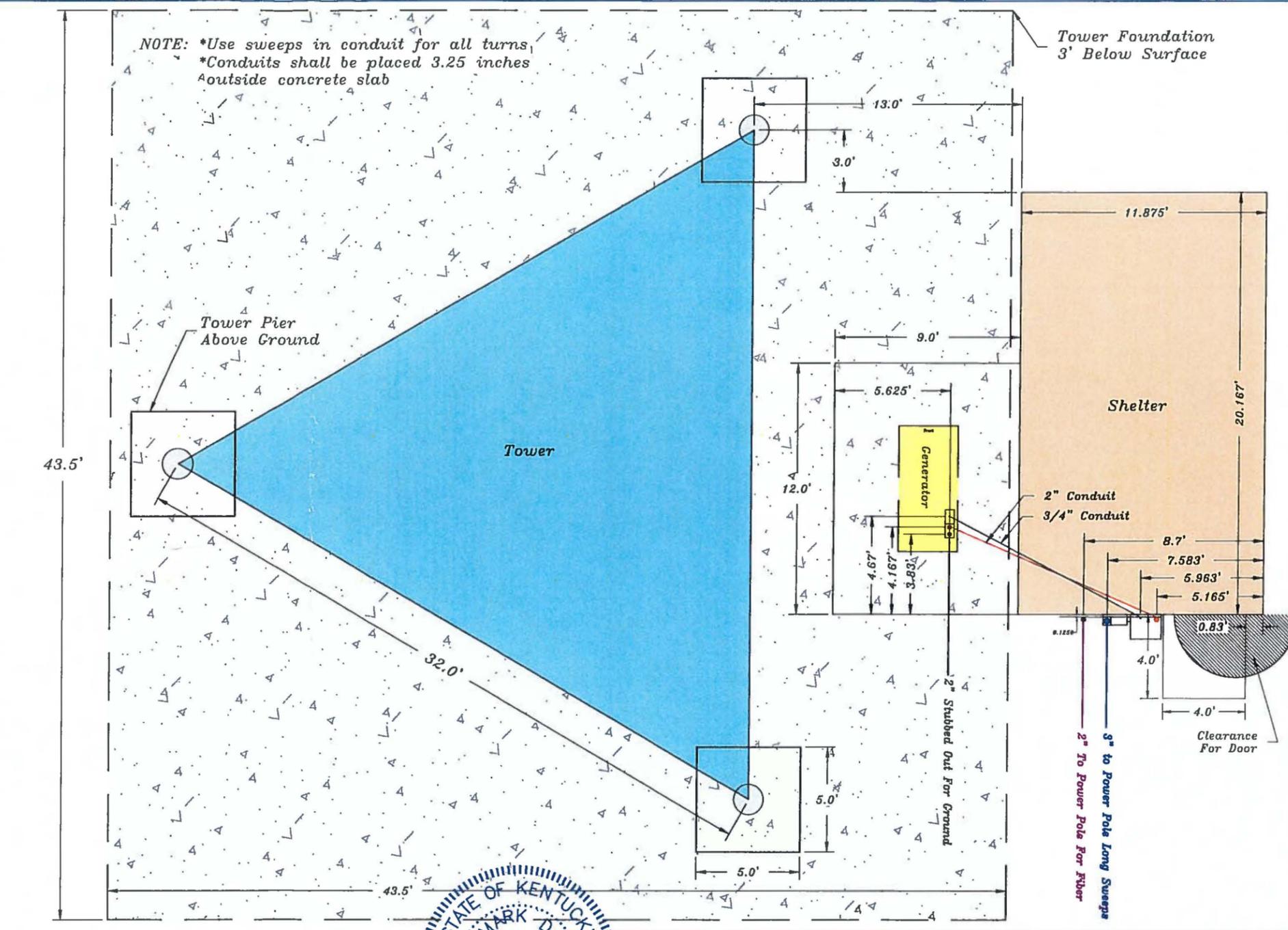
FAA Certification

In Accordance with FAA Order 8260.19G, Appendix C, I hereby certify that the Obstacle Accuracy Codes for the proposed Tower Meets or exceeds accuracy 2C (+50 ft Horizontal and +20 ft Vertical).

Steven E. Haywood 2661 12-7-15
 Steven E. Haywood, PLS #2661 Date

Steven E. Haywood, PLS #2661

NOTE: *Use sweeps in conduit for all turns,
 *Conduits shall be placed 3.25 inches
 outside concrete slab



Mark Sanders 24236 12-7-15
 Mark Sanders PE# 24236 DATE

EAST KENTUCKY NETWORK D/B/A APPALACHIAN WIRELESS 101 TECHNOLOGY TRAIL, IVEL, KY 41643			SUMMIT ENGINEERING, INC. 131 SUMMIT DRIVE PIKEVILLE, KY. 41501 (606) 432-1447
Cranes Nest Tower Site Map Forrest (Buddy) Montgomery State Route 30 Near the Magoffin and Breathitt County Line			
Scale: As Noted	Drawn By: MAC	Chk By: MAC	Apprvd. By:
Plot Date: 07 DECEMBER 2015 - 10:42 AM	PER. NO:		ATT:
Z:\East Ky Network\Cranes Nest\Site Plan\Cranes Nest Site Plan.dwg			



Grid North Plane
Kentucky State Plane
South Zone NAD 83

Note: No utilities were observed during the field survey/investigation.

The tract of land shown hereon is located on Haunted Lick Fork of the Left Fork of the Middle Fork, a tributary of the Licking River.

The proposed tower shown hereon is on a portion of the same tract of land conveyed to Forrest Montgomery and Linda Gail Montgomery his wife, by Ed Lovely and Pauline Lovely, his wife, by deed dated January 11, 1991 and recorded in Deed Book 141 Page 69 in the records of the Magoffin County Court Clerk's office.

Property lines shown hereon are based on a partial survey of the Forrest Montgomery property and information from the Magoffin County P.V.A office.

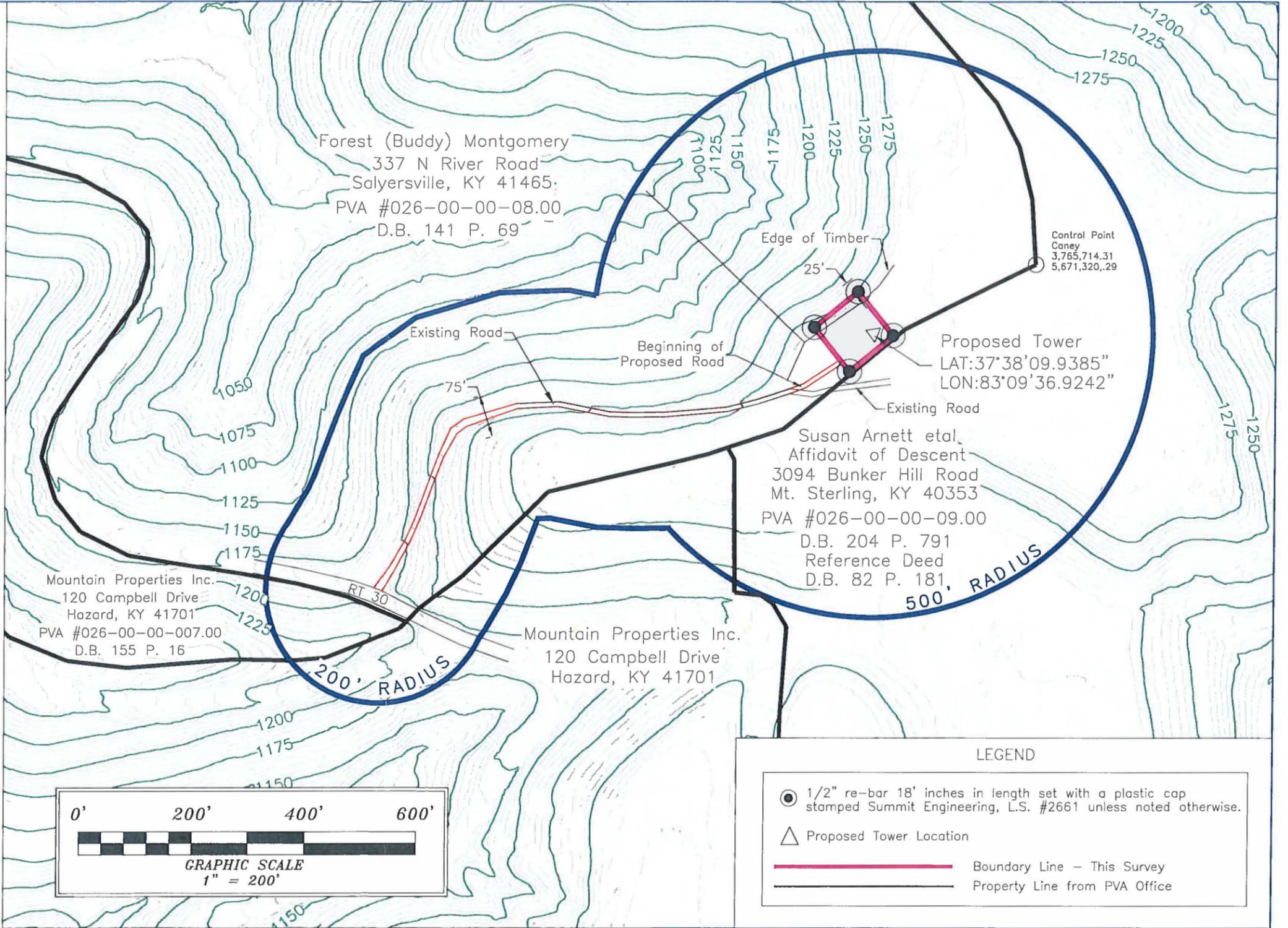
Access from the intersection of Kentucky State Route 15 and Kentucky State Route 30, continue on Kentucky State Route 30 for 17.9 miles to the intersection of Kentucky State Route 30 and Kentucky State Route 542. Continue on KY State Route 30 for 4.2 miles to the tower access road on the right.

Topography of the area surrounding the tower site is forest covered rolling hill terrain with slopes ranging from ±1% - ±55%. Land use within the 500' radius is undisturbed forest, hillside property, and reclaimed mountain top removal mined land.

Summit Engineering, Inc. makes no warranty as to the title or ownership of property.

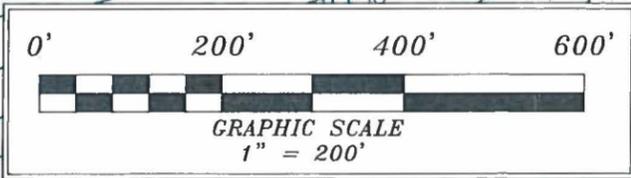
Adjoining land owners listed are based on Property Valuation Administration (PVA) records issued by a representative from Magoffin County, to be in compliance with all statutory and regulatory requirements before the Kentucky Public Service Commission and for telecommunication.

Proposed tower site IS NOT in the 100 year flood hazard area and has a average elevation of 1,289'. Firm Map #21153C0195D



Mark Sanders, PE #24236
131 Summit Drive
Pikeville, KY 41501
606-432-1447

Steven E. Haywood, PLS #2661
131 Summit Drive
Pikeville, KY 41501
606-432-1447



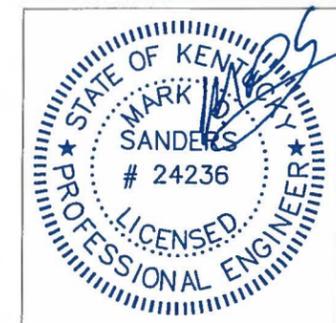
LEGEND	
	1/2" re-bar 18' inches in length set with a plastic cap stamped Summit Engineering, L.S. #2661 unless noted otherwise.
	Proposed Tower Location
	Boundary Line - This Survey
	Property Line from PVA Office

I hereby certify that the information depicted by this map is correct to the best of my knowledge and is in accordance with the record data as found in the office of the Property Valuation Administrator of Magoffin County, Kentucky, 10/7/2015.

Steven E. Haywood 2661 12-7-15
Steven E. Haywood, PLS #2661 Date

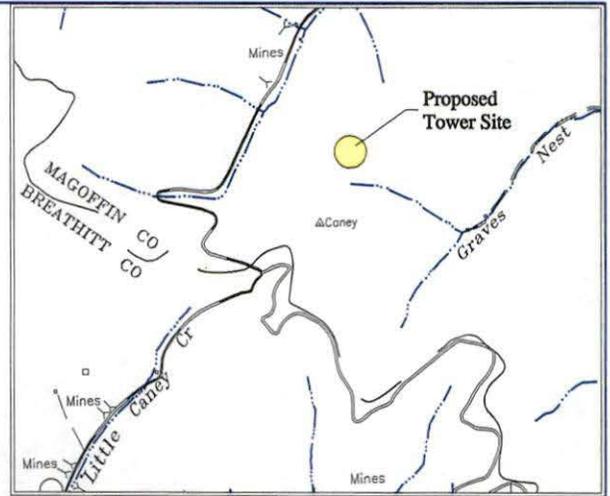
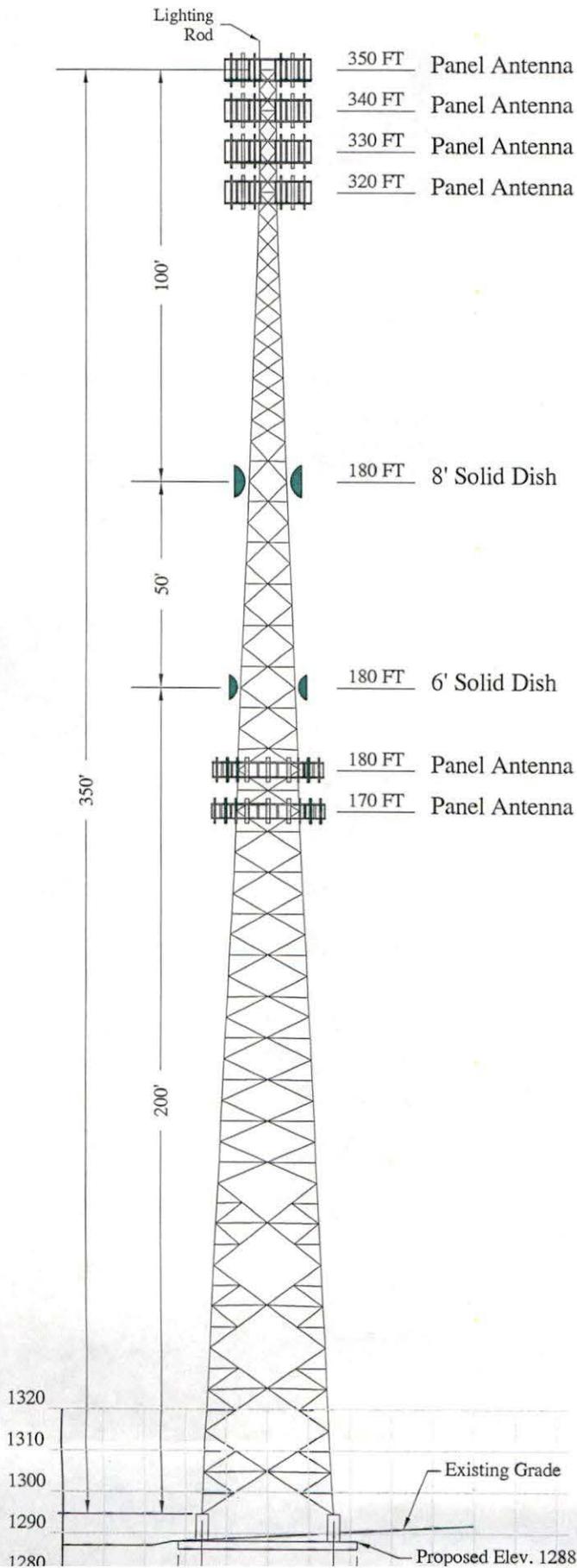
Steven E. Haywood, PLS #2661 Date

East Kentucky Network D/B/A Appalachian Wireless 101 Technology Trail, Ivel, KY 41642			SUMMIT ENGINEERING, INC. 131 SUMMIT DRIVE PIKEVILLE, KY, 41501 (606) 432-1447
Property Owner Map Cranes Nest Tower Site Forest (Buddy) Montgomery Property			Lexington, Ky • Hazard, Ky Big Rock, Va South Charleston, WV • Bridgeport, WV
Scale: 1" = 200'	Drawn By: MAC	Chk By: MAC	Apprvd. By: SEH
Plot Date: 07 DECEMBER 2015 - 10:40 AM	PER. NO:		ATT:



CRANES NEST 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.

