

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

JUL 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 2015-00211
NECESSITY TO CONSTRUCT A REPLACEMENT TOWER)
IN JACKSON COUNTY, KENTUCKY)

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

In an effort to improve service in Jackson 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 replace its existing 180 foot telecommunications tower with a 300 foot self-supporting tower on a tract of land located on Asbill Road, Sandgap, Jackson County, Kentucky (37°30'10.0027"N 84°06'50.7998"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.

Jackson County has no formal local planning unit. In absence of this unit the Jackson 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 Jackson County Sun, July 16, 2015, edition. Enclosed is a copy of that notice in Exhibit 3. The Jackson County Sun is the newspaper with the largest circulation in Jackson 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 replacement 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 replacement 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 approval and Kentucky Airport Zoning Commission application 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 June 30, 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 Deed for the site location along with a lot description.

The proposed construction site for the replacement tower is two hundred seventy eight (278) feet from the nearest home and in close proximity to the existing tower. Prior to construction, the site was pasture.

East Kentucky Network, LLC's operation will not affect the use of nearby land nor its value. East Kentucky Network, LLC currently has a one hundred eighty (180) foot telecommunications tower at this location. The proposed tower will replace said current tower. 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.

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

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

The foregoing document was prepared by Bethany Bowersock, 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: 7/10/15
Lynn Haney, Regulatory Compliance Director

APPROVED BY: W.A. Gillum DATE: 7/14/2015
W.A. Gillum, General Manager

ATTORNEY: Bethany Bowersock DATE: 7/10/15
Hon. Bethany Bowersock, Staff 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

Bethany L. Bowersock, Attorney
Phone: (606) 477-2355, Ext. 1006
Email: bbowersock@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 Approval and KAZC Application |
| 7 | Driving Directions from County Court House and Map to Suitable Scale |
| 8 | Deed for Proposed Site with Legal Description |
| 9 | Survey of Site Signed/Sealed by Professional Engineer Registered in State of Kentucky |
| 10 | Site Survey Map with Property Owners Identified in Accordance with PVA of County |
| 11 | Vertical Profile Sketch of Proposed Tower |
| 12 | |

ULS License

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

| | | | |
|---------------|-------------------------------|---------------|---------------|
| Call Sign | KNKN809 | Radio Service | CL - Cellular |
| Status | Active | Auth Type | Regular |
| Market | | | |
| Market | CMA452 - Kentucky 10 - Powell | Channel Block | B |
| Submarket | 0 | Phase | 2 |
| Dates | | | |
| Grant | 08/30/2011 | Expiration | 10/01/2021 |
| Effective | 08/30/2011 | Cancellation | |

Five Year Buildout Date

10/17/1996

Control Points

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

Licensee

FRN 0001786607 Type Limited Liability Company

Licensee

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

Contact

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

Mike and Lisa England
343 Asbill Road
McKee, KY 40447

Rodney and Debbie Gentry
1381 Durham School Rd.
McKee, KY 40447

Dena and Travis Truett
Donnie and Stephanie Gentry
192 Langdon Drive
Annville, KY 40402

Stephen and Shannon Hisel
2483 Asbill Rd.
McKee, KY 40447

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

EAST KENTUCKY
NETWORK



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

July 16, 2015

Mike and Lisa England
343 Asbill Rd.
McKee, KY 40447

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00211)

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 replacement tower in Jackson County, Kentucky in order to improve cellular telecommunications service. The facility will include a 300-foot self-supporting replacement tower with attached antennas extending upwards, and an equipment shelter located on a tract of land on Asbill Road, Sandgap, Jackson 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 replacement 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. 2015-00211 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

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

EAST KENTUCKY
NETWORK



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

July 16, 2015

Rodney and Debbie Gentry
1381 Durham School Rd.
McKee, KY 40447

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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



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

July 16, 2015

Dena and Travis Truett
Donnie and Stephanie Gentry
192 Langdon Drive
Annville, KY 40402

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

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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



VIA: U.S. CERTIFIED MAIL

PUBLIC NOTICE

July 16, 2015

Stephen and Shannon Hisel
2483 Asbill Road
McKee, KY 40447

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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 replacement tower in Jackson County, Kentucky in order to improve cellular telecommunications service in Jackson County. The facility will include a 300-foot self-supporting replacement tower with attached antennas extending upwards, and an equipment shelter located on a tract of land on Asbill Road, Sandgap, Jackson 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 replacement tower.

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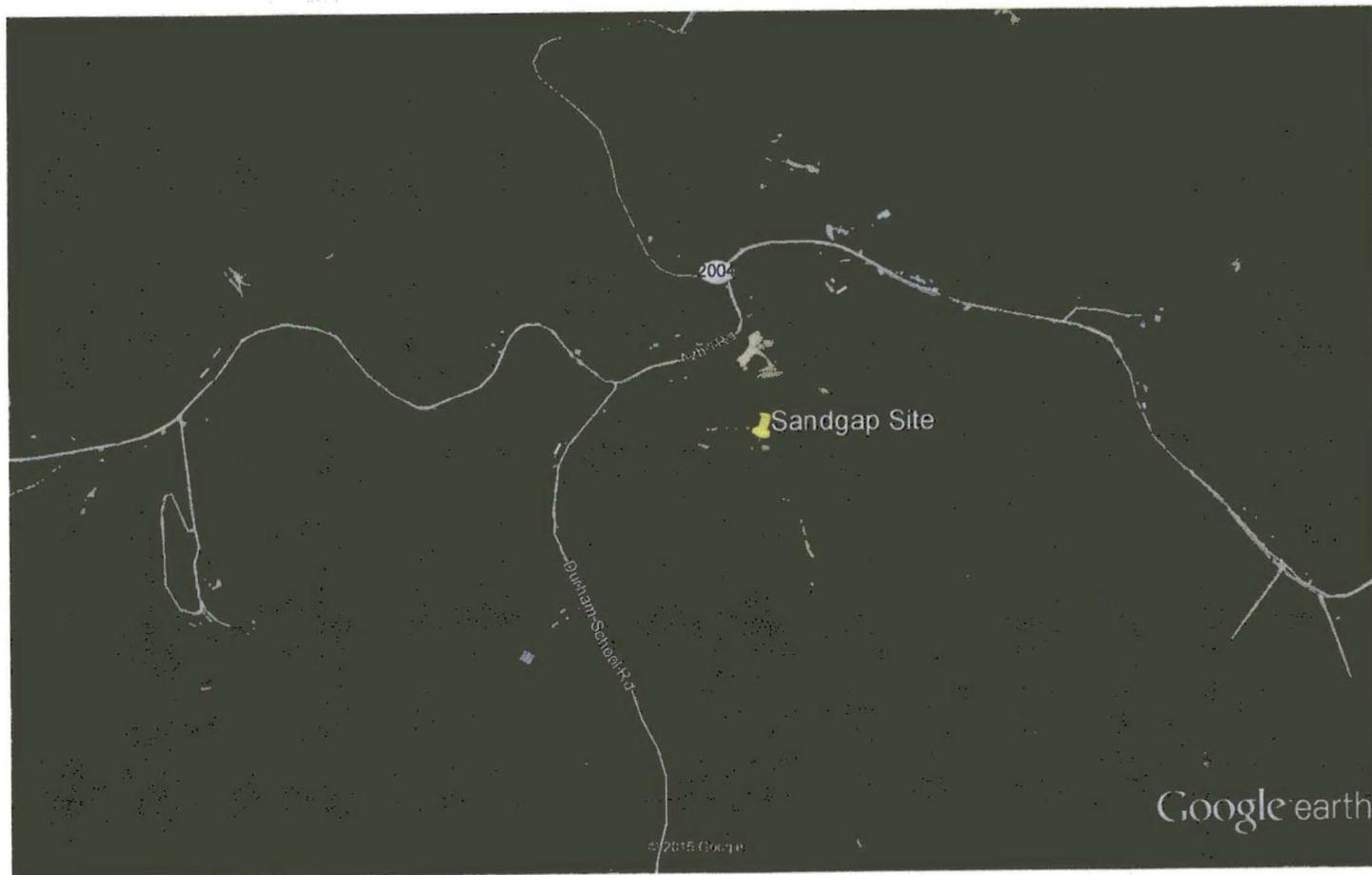
If you have any questions for East Kentucky Network, LLC, please direct them to my attention at the following address: East Kentucky Network, LLC, 101 Technology Trail, Ivel, KY 41642 or call me at 606-477-2355, Ext. 1007.

Sincerely,

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

Lynn Haney
Regulatory Compliance Director

Appalachian Wireless Location Map



Site Name

Sandgap Site

Location

704 Azbil Rd. Sandgap KY.

GPS Location

N 37 30 10.0027

W 84 06 50.7998

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

EAST KENTUCKY
NETWORK



To: The Jackson County Sun
Attn: Classifieds

From: Raina Helton
Regulatory Compliance Assistant

Email: tammy@thejacksoncountysun.com **Date:** July 2, 15

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

Please place the following Public Notice Advertisement in The Jackson County Sun to be ran on July 16, 2015.

PUBLIC NOTICE:

RE: Public Service Commission of Kentucky (CASE NO. 2015-00211)

Public Notice is hereby given that East Kentucky Network, LLC, dba Appalachian Wireless has applied to the Kentucky Public Service Commission to replace an existing cellular telecommunications tower on a tract of land located at Asbill Road, Sandgap, Jackson County, Kentucky. The proposed replacement 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. 2015-00211.

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

Thank you,

Raina Helton
Regulatory Compliance Assistant

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

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



VIA: U.S. CERTIFIED MAIL

July 16, 2015

Shane Gabbard, Judge Executive
P.O. Box 175
McKee, KY 40447

RE: Public Notice-Public Service Commission of Kentucky (Case No. 2015-00211)

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 replacement tower in Jackson County, Kentucky in order to improve cellular telecommunications service in Jackson County. The facility will include a 300-foot self-supporting replacement tower with attached antennas extending upwards, and an equipment shelter located on a tract of land on Asbill Road, Sandgap, Jackson 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 Jackson 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. 2015-00211 in your correspondence.

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

Sincerely,

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

Lynn Haney
Regulatory Compliance Director
Enclosure

Appalachian Wireless Location Map



Site Name

Sandgap Site

Location

704 Azbil Rd. Sandgap KY.

GPS Location

N 37 30 10.0027

W 84 06 50.7998

WENDELL R. HOLMES, P.G.
54 Cherokee Drive
EMMALENA, KY 41740
(606) 785-0603

December 5, 1998

Sand Gap Tower Site

Purpose

A site assessment was conducted for Kentucky Cellular on a tract of land located in Jackson County near Sand Gap, Kentucky. The site of the proposed tower is now pastureland and forestland. The purpose of this investigation was to determine the depth to bedrock and of what type of rock the bedrock consists.

Site Investigation

To determine the depth to bedrock a steel rod was driven into the ground with a sledgehammer until refusal. This was done in several locations where the tower is to be located. One rock outcrop near the site was used to determine the type of Bedrock at the tower location. It was approximately 3.1 feet to the bedrock. (See attached page for descriptions of materials encountered.) The terrain in Jackson County is slightly steep to rolling. The sandstone formation below the site is approximately fifty feet, based on the information obtained from the outcrops and geological maps of the area.

Conclusions

The proposed tower site is located on a hilltop in the area. The sandstone bedrock on the proposed tower site is part of the weather-resistant Lee and Breathitt Formations and is lower to 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.

Wendell R. Holmes and David T. Tackett, using generally accepted methods in the practice of geological science performed the fieldwork performed for this site.

Wendell R. Holmes, P.G.

A handwritten signature in blue ink, appearing to read "Wendell R. Holmes", is written over a horizontal line.



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

**300' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: SAND GAP
JACKSON COUNTY, KY
DESIGN PACKAGE**



5-22-2015

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.



5-22-2015

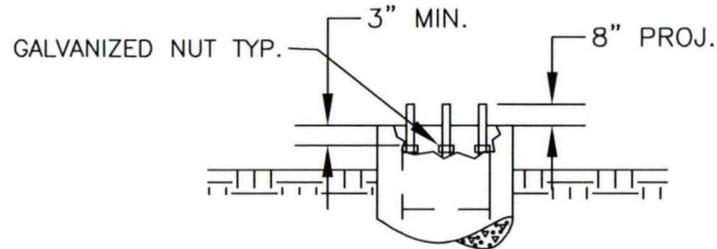
WORLD TOWER

TITLE:
300' MODEL WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: SAND GAP
JACKSON COUNTY, KY

| | | | | |
|-------|------------------|-----|------|--------------|
| SCALE | DWN. | LKG | CKD. | DATE 5-22-15 |
| FILE | DWG. NO. Q15055N | | | |

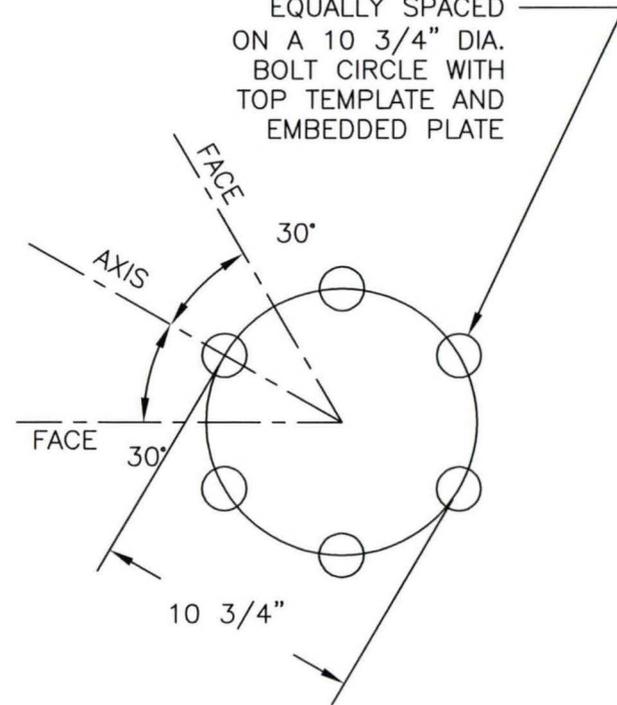
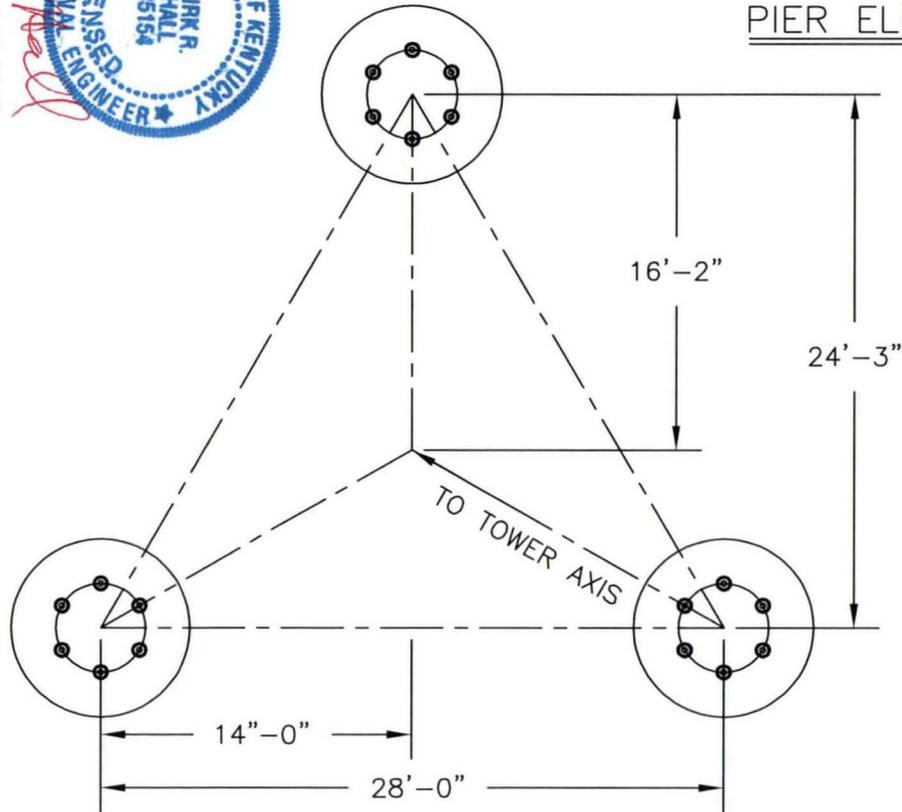


5-22-2015



PIER ELEVATION

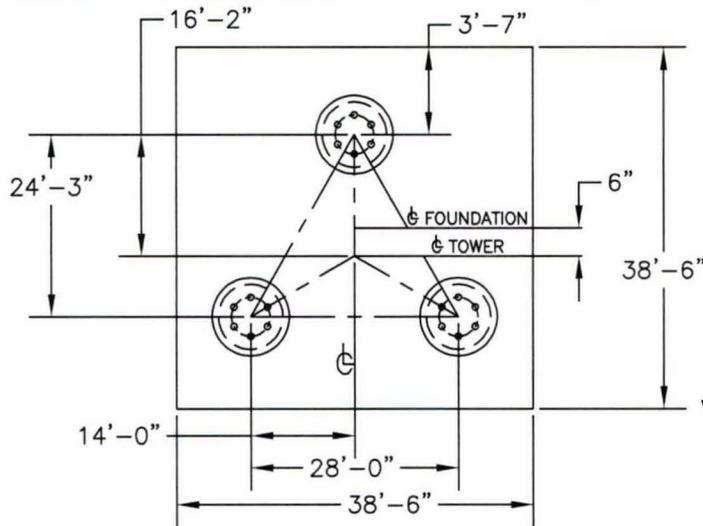
ANCHOR BOLTS
 (6) 1 1/2" ϕ X 66"
 (ASTM A354 GR. BC)
 EQUALLY SPACED
 ON A 10 3/4" DIA.
 BOLT CIRCLE WITH
 TOP TEMPLATE AND
 EMBEDDED PLATE



TITLE:
 300' MODEL WSST TOWER
 FOR: APPALACHIAN WIRELESS
 SITE: SAND GAP
 JACKSON COUNTY, KY

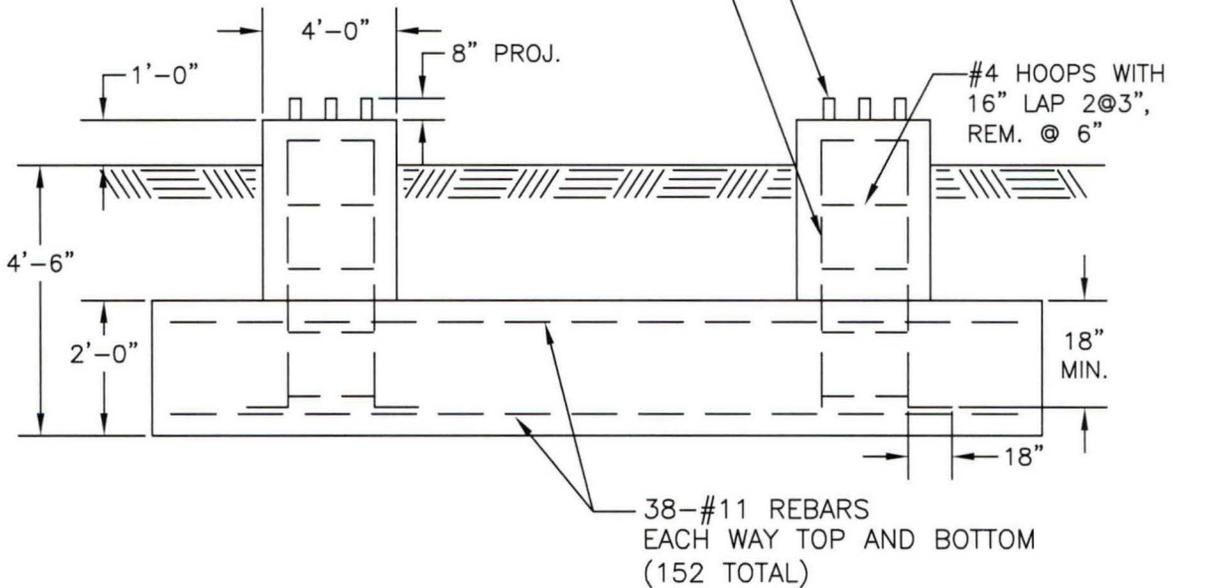
WORLD TOWER

| | | | | | | |
|-------|------|------|-----|----------|----------|---------|
| SCALE | NONE | DWN. | LKG | CKD. | DATE | 5-22-15 |
| FILE | | | | DWG. NO. | Q15055AB | |



114.7 CU. YDS.
CONCRETE REQ'D.

| BASE REACTIONS | |
|----------------|------------------|
| OTM: | 12263.0 FT. KIPS |
| COMP. | 536.0 KIPS |
| UPLIFT | 452.0 KIPS |
| SHEAR (3 LEGS) | 77.0 KIPS |
| WT. NO ICE | 90.0 KIPS |
| WT. 1/2" ICE | 208.0 KIPS |



5-22-2015

GENERAL NOTES

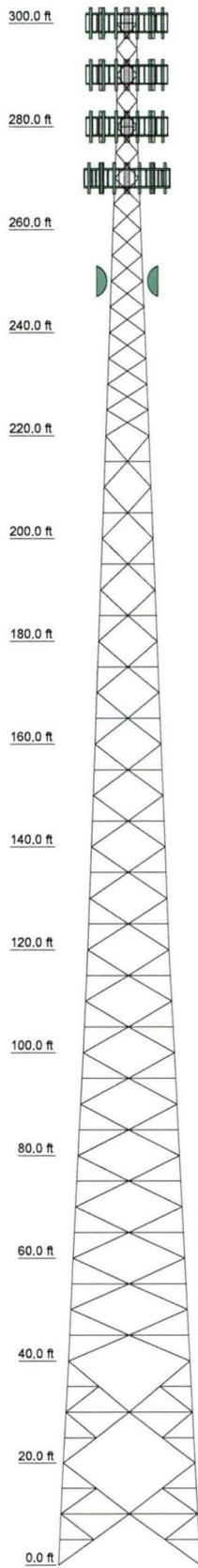
1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM WENDELL R. HOLMES, P.G. DATED DECEMBER 5, 1998.

TITLE: FOUNDATION DETAIL
300' WSST TOWER
FOR: APPALACHIAN WIRELESS
SITE: SAND GAP
JACKSON COUNTY, KY

WORLD TOWER

| | | | | |
|------------|----------|-----|------|--------------|
| SCALE NONE | DWN. | LKG | CKD. | DATE 5-22-15 |
| FILE | DWG. NO. | | | Q15055F |

| | | | | | | | | | | | | | | | | |
|------------------|------------------|-------------------|------------------|-----------|----------|-----------|----------|----------|------------------|------------------|----------|------------------|------------------|----------|----------|------------|
| Section | T1 | T2 | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | T12 | T13 | T14 | T15 | Weight (K) |
| | SR 1 3/4 | SR 2 | SR 2 3/4 | SR 3 | SR 3 1/4 | SR 3 1/2 | SR 3 1/2 | SR 3 3/4 | SR 3 3/4 | SR 4 | SR 4 1/4 | SR 4 1/4 | SR 4 1/4 | SR 4 1/2 | SR 4 1/2 | 55.5 |
| Diagonal Grade | L1 3/4x1 3/4x1/8 | L1 3/4x1 3/4x3/16 | L1 3/4x1 3/4x1/8 | L2x2x3/16 | A | L3x3x3/16 | A572-50 | L3x3x1/4 | L3 1/2x3 1/2x1/4 | L3 1/2x3 1/2x1/4 | L3x3x1/4 | L3 1/2x3 1/2x1/4 | L3 1/2x3 1/2x1/4 | L4x4x1/4 | L4x4x1/4 | |
| Top Girts | | | | | | | | | | | | | | | | |
| Horizontal | | | | | | | | | | | | | | | | |
| Red. Horizontals | | | | | | | | | | | | | | | | |
| Red. Diagonals | | | | | | | | | | | | | | | | |
| Inner Bracing | | | | | | | | | | | | | | | | |
| Face Width (ft) | 4 | 5.5 | 7 | 8.5 | 10 | 11.5 | 13 | 14.5 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | |
| # Panels @ (ft) | | | | | | 52 @ 5 | | | | | | | | | | |
| | 0.8 | 1.3 | 1.7 | 2.1 | 2.2 | 3.1 | 3.5 | 4.0 | 4.4 | 5.0 | 5.7 | 6.2 | 6.6 | 6.5 | 6.5 | |



DESIGNED APPURTENANCE LOADING

| TYPE | ELEVATION | TYPE | ELEVATION |
|--------------------------------|-----------|--------------------------------|-----------|
| Beacon Lighting | 300 | WD13X53 Antenna Mounting Frame | 280 |
| (3) WPA800102/4CF w/ mt pipe | 300 | WD13X53 Antenna Mounting Frame | 280 |
| (3) WPA800102/4CF w/ mt pipe | 300 | WD13X53 Antenna Mounting Frame | 280 |
| (3) WPA800102/4CF w/ mt pipe | 300 | (3) WPA800102/4CF w/ mt pipe | 280 |
| BXA-70063-6CF w/ mt pipe | 300 | (3) WPA800102/4CF w/ mt pipe | 280 |
| BXA-70063-6CF w/ mt pipe | 300 | (3) WPA800102/4CF w/ mt pipe | 280 |
| BXA-70063-6CF w/ mt pipe | 300 | BXA-70063-6CF w/ mt pipe | 280 |
| WD13X53 Antenna Mounting Frame | 300 | BXA-70063-6CF w/ mt pipe | 280 |
| WD13X53 Antenna Mounting Frame | 300 | BXA-70063-6CF w/ mt pipe | 280 |
| WD13X53 Antenna Mounting Frame | 300 | (3) RRU | 270 |
| (3) RRU | 300 | WD13X53 Antenna Mounting Frame | 270 |
| WD13X53 Antenna Mounting Frame | 290 | WD13X53 Antenna Mounting Frame | 270 |
| WD13X53 Antenna Mounting Frame | 290 | WD13X53 Antenna Mounting Frame | 270 |
| WD13X53 Antenna Mounting Frame | 290 | (3) WPA800102/4CF w/ mt pipe | 270 |
| (3) RRU | 290 | (3) WPA800102/4CF w/ mt pipe | 270 |
| (3) WPA800102/4CF w/ mt pipe | 290 | (3) WPA800102/4CF w/ mt pipe | 270 |
| (3) WPA800102/4CF w/ mt pipe | 290 | BXA-70063-6CF w/ mt pipe | 270 |
| (3) WPA800102/4CF w/ mt pipe | 290 | BXA-70063-6CF w/ mt pipe | 270 |
| BXA-70063-6CF w/ mt pipe | 290 | 6 FT DISH | 250 |
| BXA-70063-6CF w/ mt pipe | 290 | 6 FT DISH | 250 |
| (3) RRU | 280 | | |

SYMBOL LIST

| MARK | SIZE | MARK | SIZE |
|------|-------------------|------|------|
| A | L2 1/2x2 1/2x3/16 | | |

MATERIAL STRENGTH

| GRADE | Fy | Fu | GRADE | Fy | Fu |
|---------|--------|--------|-------|--------|--------|
| A572-50 | 50 ksi | 65 ksi | A36 | 36 ksi | 58 ksi |

TOWER DESIGN NOTES

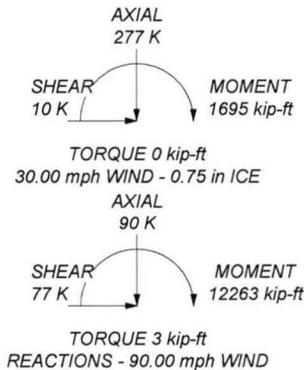
1. Tower is located in Jackson County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90.00 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30.00 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 98.7%

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 536 K
SHEAR: 48 K

UPLIFT: -452 K
SHEAR: 41 K



| | | | |
|----------------------------|--|---|----------------|
| World Tower Company | | Job: 300' WSST Tower / Job Q15-055 | |
| 1213 Compressor Drive | | Project: Sand Gap, KY | |
| Mayfield, Kentucky 42066 | | Client: Appalachian Wireless | Drawn by: kirk |
| Phone: (270) 247-3642 | | Code: TIA-222-G | Date: 05/21/15 |
| FAX: www.worldtower.com | | Path: C:\Tower\PE Run\2015\Q15-055 Sand Gap KY\Q15-055.en | Scale: NTS |
| | | | Dwg No. E-1 |



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76193

Aeronautical Study No.
 2015-ASO-6945-OE

Issued Date: 06/12/2015

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 - Top Mount Sandgap (Tower)
 Location: Sandgap, KY
 Latitude: 37-30-10.00N NAD 83
 Longitude: 84-06-50.79W
 Heights: 1509 feet site elevation (SE)
 310 feet above ground level (AGL)
 1819 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 12/12/2016 unless:

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

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

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

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

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

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

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

If we can be of further assistance, please contact our office at (816) 329-2523. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2015-ASO-6945-OE.

Signature Control No: 250738471-255033781

(DNE)

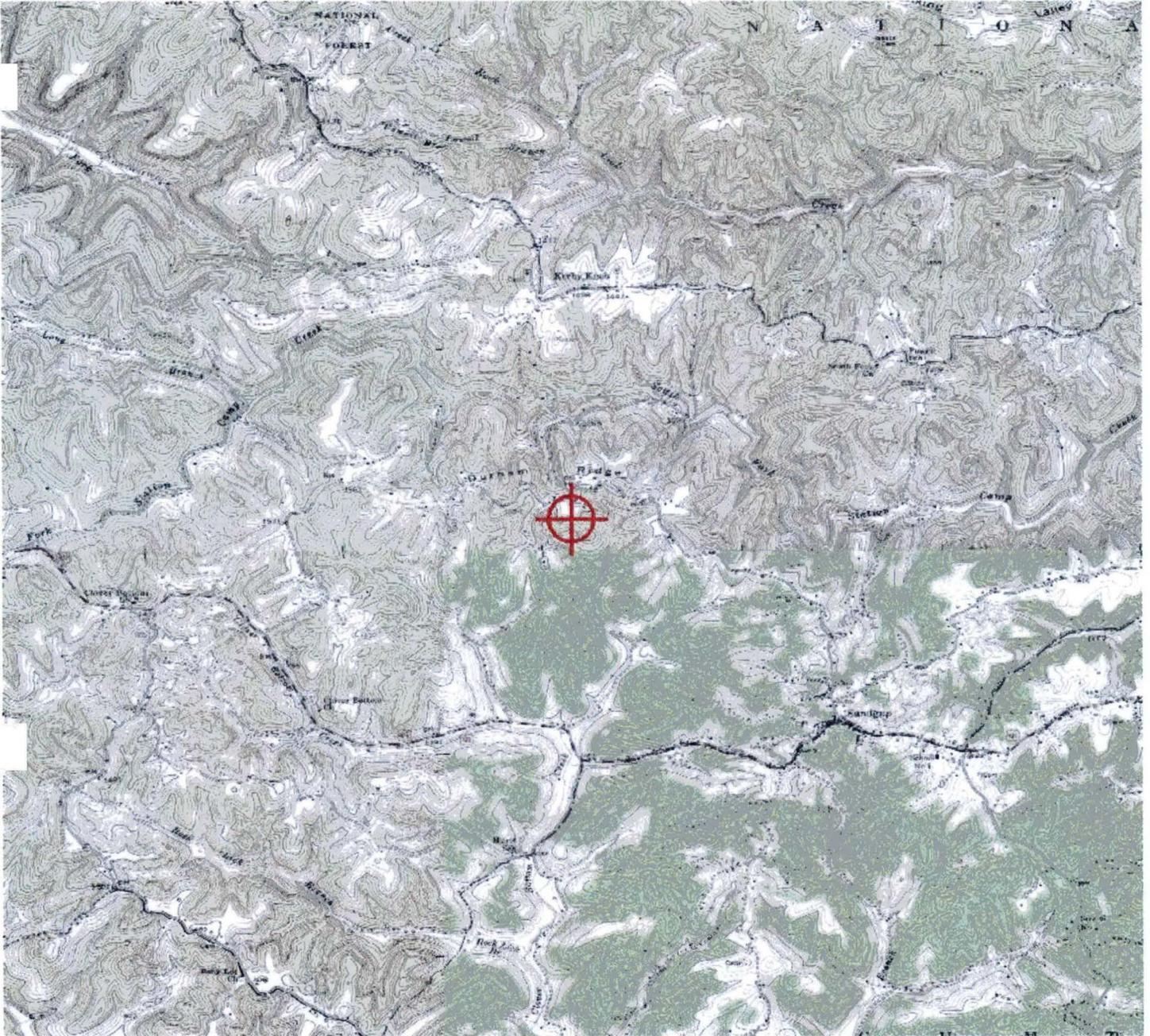
Steve Phillips
Specialist

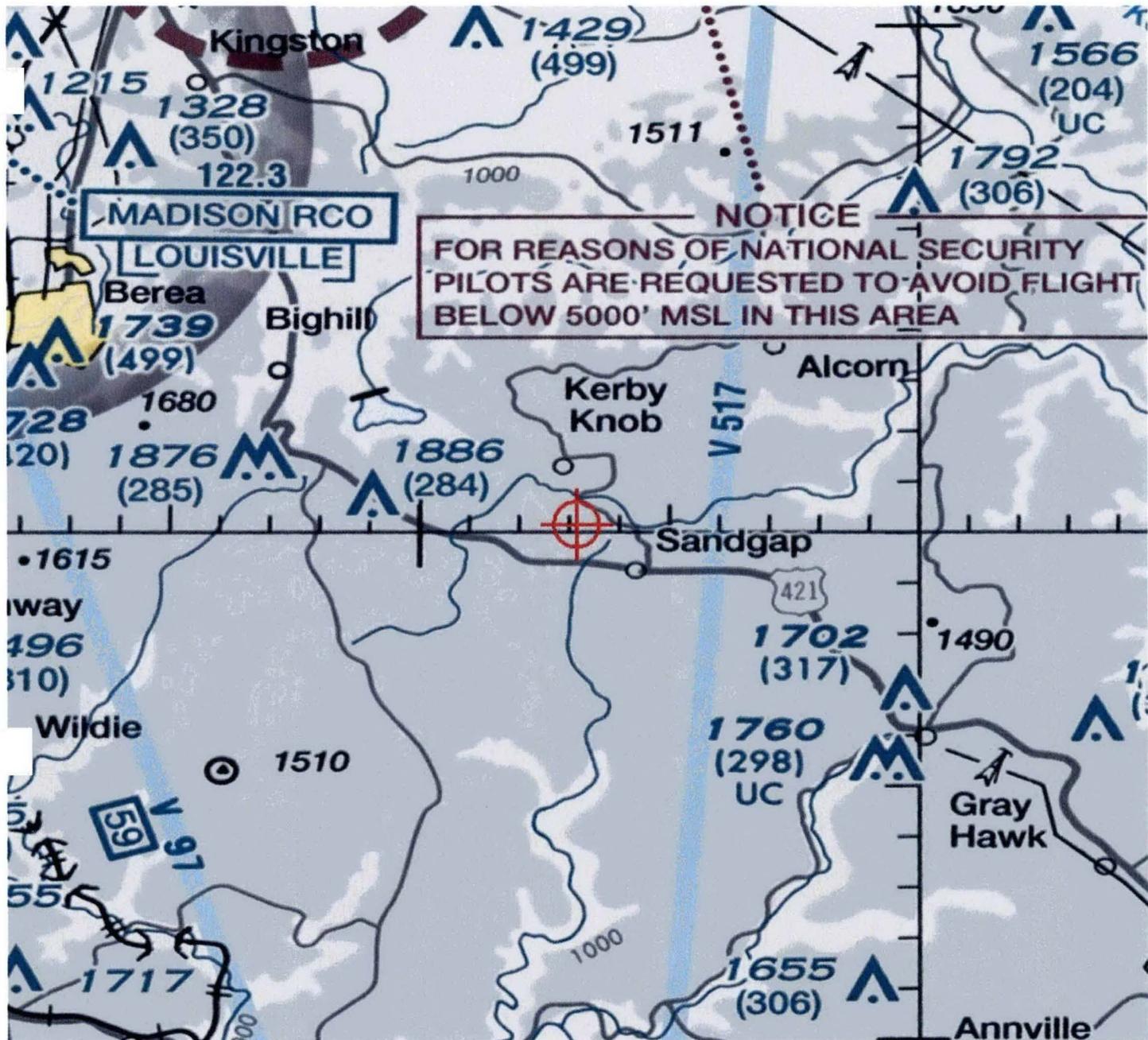
Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2015-ASO-6945-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 Transportation Cabinet, Kentucky Airport Zoning Commission, 200 Mero Street, Frankfort, KY 40622

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

INSTRUCTIONS INCLUDED

| | |
|---|--|
| <p>APPLICANT -- Name, Address, Telephone, Fax, etc. East Kentucky Network, LLC c/o Lukas, Nace, Gutierrez & Sachs, Chtd 8300 Greensboro Drive, Suite 1200 McLean, VA 22102 T: 703-584-8667 F: 703-584-8692</p> | <p>9. Latitude: <u>37</u> ° <u>30</u> ' <u>10</u> " <u>00</u> "</p> <p>10. Longitude: <u>84</u> ° <u>06</u> ' <u>50</u> " <u>79</u> "</p> <p>11. Datum: <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other _____</p> <p>12. Nearest Kentucky City: <u>Sandgap</u> County <u>Jackson</u></p> <p>13. Nearest Kentucky public use or Military airport: <u>Madison Airport</u></p> <p>14. Distance from #13 to Structure: <u>14.9</u> miles</p> <p>15. Direction from #13 to Structure: <u>SE</u></p> <p>16. Site Elevation (AMSL): <u>1,509.00</u> Feet</p> <p>17. Total Structure Height (AGL): <u>310.00</u> Feet</p> <p>18. Overall Height (#16 + #17) (AMSL): <u>1,819.00</u> Feet</p> <p>19. Previous FAA and/or Kentucky Aeronautical Study Number(s): _____</p> <p>20. Description of Location: (Attach USGS 7.5 minute Quadrangle Map or an Airport layout Drawing with the precise site marked and any certified survey) Site is located approx. 1.6 miles NW of Sandgap (Jackson), KY</p> |
| <p>2. Representative of Applicant -- Name, Address, Telephone, Fax Ali Kuzehkanani Lukas, Nace, Gutierrez & Sachs, Chtd 8300 Greensboro Drive, Suite 1200 McLean, VA 22102 T: 703-584-8667 F: 703-584-8692</p> | |
| <p>3. Application for: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing</p> <p>4. Duration: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Months _____ Days _____)</p> <p>5. Work Schedule: Start <u>6/1/2015</u> End <u>6/15/2015</u></p> <p>6. Type: <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Power Line <input type="checkbox"/> Landfill <input type="checkbox"/> Water Tank <input type="checkbox"/> Other _____</p> <p>Marking/Painting and/or Lighting Preferred: <input type="checkbox"/> Red Lights and Paint <input checked="" type="checkbox"/> Dual - Red & Medium Intensity White <input type="checkbox"/> White - Medium Intensity <input type="checkbox"/> Dual - Red & High Intensity White <input type="checkbox"/> White - High Intensity <input type="checkbox"/> Other _____</p> | |
| <p>8. FAA Aeronautical Study Number _____</p> | |

21. Description of Proposal:

The structure will include a 300' tower with top-mounted antennas (overall height of 310' AGL). The ERP will be 500 watts.

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?
 No Yes, When April 30, 2015

CERTIFICATION: I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Ali Kuzehkanani/ Dir of Engineering Ali Kuzehkanani 4/30/2015
 Printed Name and Title Signature Date

PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183.861 through 183.990) and Kentucky Administrative Regulations (602 KAR 050:Series) are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Non-compliance with Federal Aviation Administration Regulations may result in further penalties.

Commission Action: Chairman, KAZC Administrator, KAZC

Approved Disapproved _____ Date _____

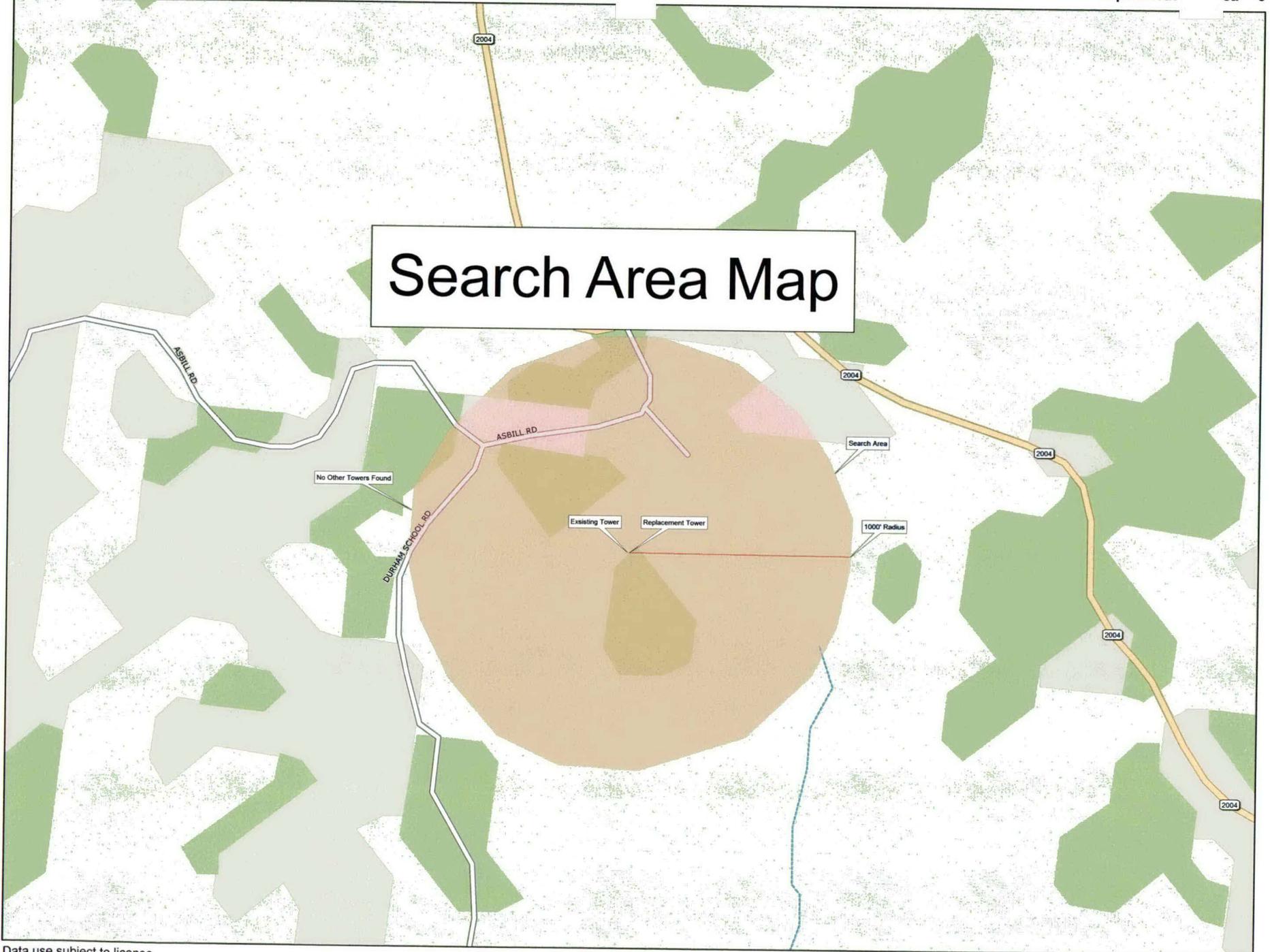
Directions to Sandgap Tower

From Mckee take US 421 North 7.3 miles to Sandgap. In Sandgap turn right on KY 2004. Take KY 2004 2.2 miles to Asbill Road. Turn left on Asbill Road (Signs will be posted). Go 0.1 miles to driveway on the left. Turn left on driveway and go about 600 feet. The tower site is on the left near the corner of the fence (signs will be posted).

Prepared by:

Marty Thacker
Appalachian Wireless
606-438-2355 Ext. 1007 (office)
606-477-0016 (cell)
m.thacker@tgtel.com

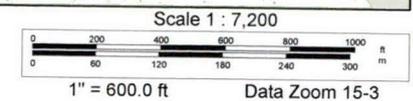
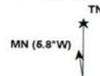
Search Area Map



Data use subject to license.

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www.delorme.com



DEED

This Deed of Conveyance is entered into this 0nd day of March, 2015, between Mike England and Lisa England, husband and wife, of 2485 Asbill Road, McKee, KY 40047, GRANTORS, and East Kentucky Network LLC d/b/a Appalachian Wireless, of 101 Technology Trail, Ivel, KY 41642, GRANTEE.

WITNESSETH:

That said Grantors for and in consideration of the sum of Twenty Thousand Dollars (\$20,000.00), cash in hand paid, the receipt and adequacy of which is hereby acknowledged, do hereby grant, sell and convey to the Grantee, its successors and assigns, a tract of land lying and being in Jackson County, Kentucky, and more particularly described as follows:

Beginning on found iron pin with a cap at fence post, being the North West corner of lot belonging to Mountaineer Cellular General Partnership (Book 145, Page 721); thence running with the line between Mike & Lisa England and Mountaineer Cellular South 10 deg 00 min 00sec West, 51.36 feet to a found iron pin at lot corner; thence leaving the line of Mountaineer Cellular and severing the land of Mike & Lisa England (book 138, page 75) North 78 deg 26 min 33 sec West, 50.00 feet to a set iron pin with cap marked Is2259 below existing road; thence North 10 deg 06 min 03 sec East, 50.00 feet to a set iron pin with cap marked Is2259 set in old fence line; thence running South 80 deg 00 min 00sec East 49.86 feet to the beginning. Containing a calculated area of 2528 sq ft or 0.058 acres and being wholly contained within the England property. Property is more particularly illustrated in the attached Plat of Survey, attached hereto as Exhibit A.

(Prepared by J.W. Caudill, Licensed Surveyor)

SOURCE OF TITLE: Being a part of the same property conveyed to the Grantors by Deed from Mamie England, et al, dated August 8, 1994 and recorded in Deed Book 138, page 75 in the Jackson County Clerk's Office.

EASEMENT: Grantors grant and convey unto Grantee, the right to continue the use of the existing roadway and right of way for utilities over and across Grantors' retained property. Grantee hereby agrees to maintain and provide upkeep for this existing roadway and right of way.

Grantors also grant unto Grantee the right to remove any trees, tree limbs, undergrowth or obstructions upon Grantors' retained property that might interfere with or damage any towers or structures belonging to Grantee.

STIPULATION: Grantee hereby agrees and stipulates that (1) the property conveyed herein shall be used for telecommunications purposes only; (2) that in the event Grantee declares the property conveyed herein to be surplus property and no longer needed for telecommunications purposes, Grantee will reconvey the property to Grantors for a purchase price of One Dollar (\$1.00); and (3) that Grantee will maintain a portion of the driveway to be jointly shared by the parties hereto in a manner useable by a normal passenger car.

TO HAVE AND TO HOLD, the same with all appurtenances thereunto belonging unto the Grantee, its successors and assigns forever, with covenant of General Warranty.

CERTIFICATE OF PARTIES

We, the undersigned, do hereby certify and swear pursuant to KRS Chapter 382, that the above stated consideration in the amount of \$20,000.00 is the true, correct and full consideration paid for the property herein conveyed. We further certify our understanding that falsification of the stated consideration or sale price of the property is a Class D felony, subject to one to five years imprisonment and fines up to \$10,000.00.

IN TESTIMONY WHEREOF, the parties have hereunto subscribed their names,
this day and year aforesaid.

GRANTORS:

Mike England
Mike England

Lisa England
Lisa England

STATE OF Kentucky
COUNTY OF Jackson

The foregoing instrument was acknowledged before me on this 2nd day of
March 2015, by Mike England and Lisa England, Grantors.

Bethany H. Bowersock
Notary Public

My Commission Expires 11-17-15

Bethany Bowersock
Notary Public
State at Large
Kentucky
455229
My Commission Expires November 17, 2015

GRANTEE:
EAST KENTUCKY NETWORK, LLC
d/b/a APPALACHIAN WIRELESS

BY: WA Gillum

ITS: CEO/GM

COMMONWEALTH OF KENTUCKY
COUNTY OF Floyd

The foregoing instrument was acknowledged before me on this 3rd day of March 2015, by W.A. Gillum, CEO/General Manager of East Kentucky Network, LLC, d/b/a Appalachian Wireless.

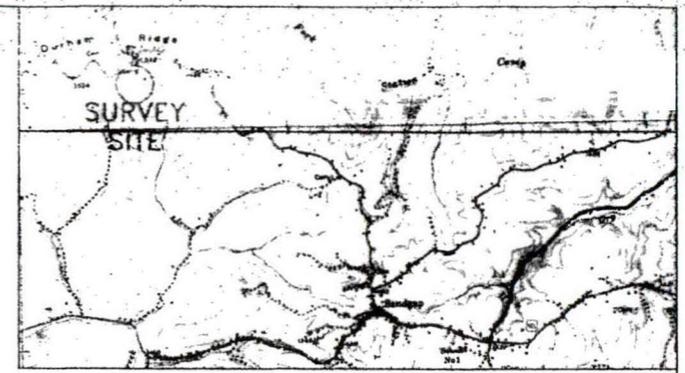
Rena J. Bradley
Notary Public

My Commission Expires Feb 3, 2016

This instrument was prepared by:

Bethany L. Bowersock
Bethany L. Bowersock, Attorney at Law
101 Technology Trail
Ivel, KY 41642

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 MCEL, KY. 41642
 EXISTING TOWER SITE
 NEAR SAND GAP IN JACKSON COUNTY



MIKE & LISA ENGLAND
 BOOK 138 PAGE 75

FOUND IRON PIN WITH CAP AT FENCE POST
 SET IRON PIN WITH CAP
 MARKED LS2259 AT FENCE POST

LOT #1B
 2528 Sq. Feet
 0.058 Acres
 MIKE & LISA ENGLAND
 BOOK 138 PAGE 75

RETAINING WALL

EXISTING 180' FREESTANDING TOWER

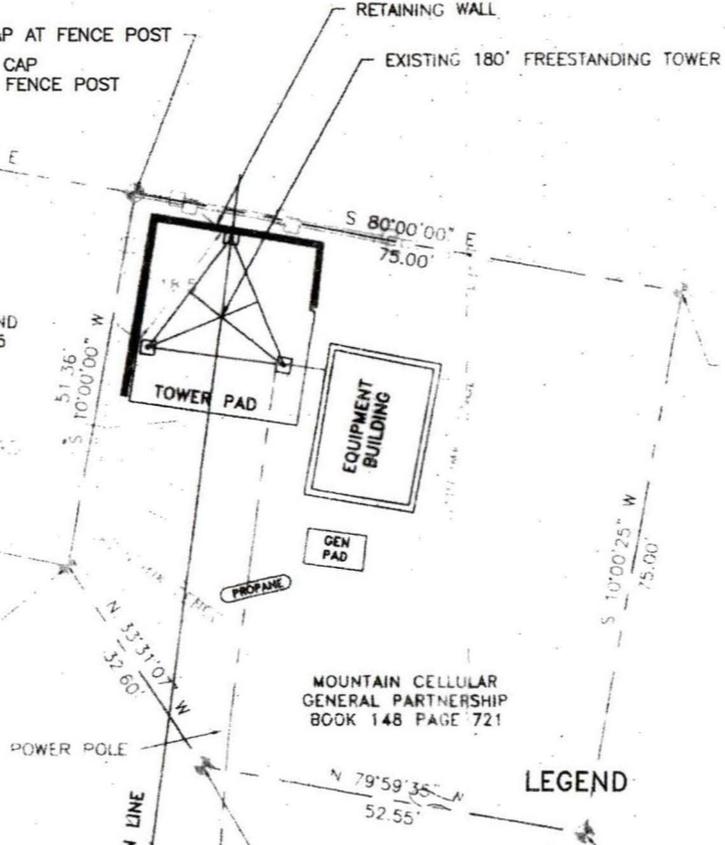
LOT 1B

Beginning at a found iron pin at fence post NW corner of Mountain Cellular lot ;
 thence running with lot line S 10 00' 00" W, 51.36' to ipc;
 thence N 78 26'33" W a distance of 50.00' to a set ipc;
 thence N 10 06'03" E a distance of 50.00' to a set ipc;
 thence S 80 00'00" E a distance of 49.86" fnd ipc;
 which is the point of beginning,
 having an area of 2528 square feet, 0.058 acres

SET IRON PIN WITH CAP
 MARKED LS2259

FOUND IRON PIN BESIDE ROAD

MIKE & LISA ENGLAND
 BOOK 138 PAGE 75

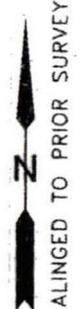


2015000688
 JACKSON CO, KY FEE \$20.00
 PRESENTED / LODGED: 03-09-2015 01:11:11 PM

RECORDED: 03-09-2015
 DONALD MOORE
 CLERK
 BY: KEISHA COMBS
 DEPUTY CLERK

BK: PLA
 PG: 228-228

MIKE & LISA ENGLAND
 BOOK 138 PAGE 75



LEGEND

MOUNTAIN CELLULAR
 GENERAL PARTNERSHIP
 BOOK 148 PAGE 721

FOUND IPC

FOUND IPC

RURAL CLASS SURVEY
 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 6704

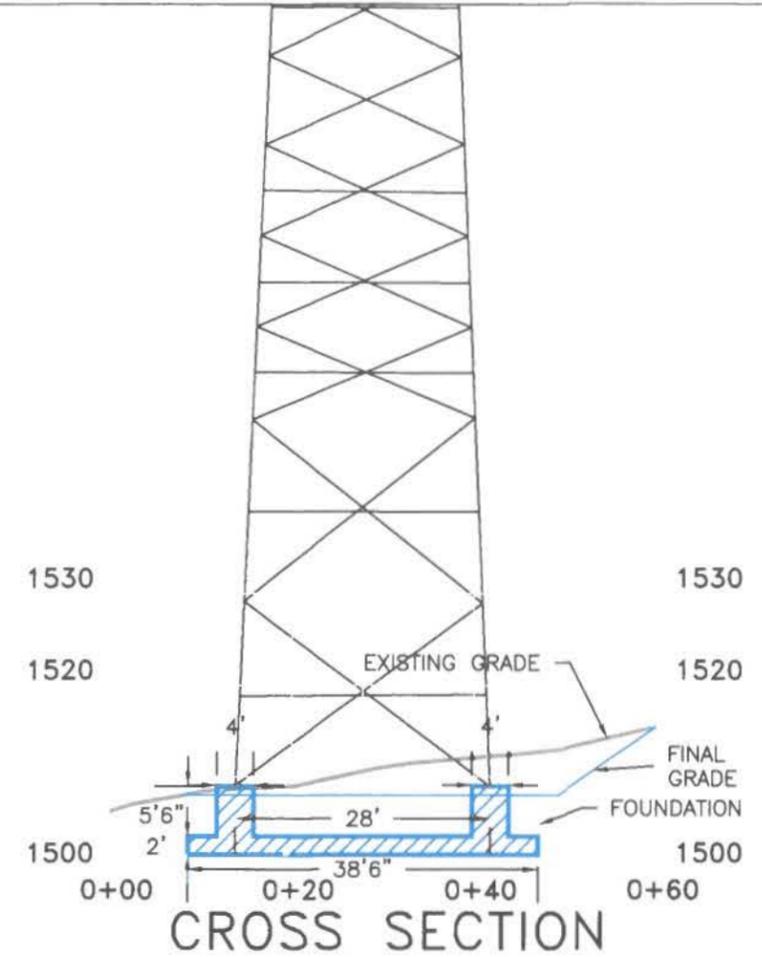
James M. Caudill 2259 11-21-14
 NAME PLS# DATE

SURVEY STA SET FOUND
 IRON PIN WITH CAP (1/8" X 1/2" REBAR PLASTIC CAP MARKED LS2259)
 BOUNDARY LINE
 ACCESS ROAD
 PARENT TR LINE

| PLAT OF SURVEY | | |
|-------------------|--------------------------|--|
| DRAWN BY JWC | SURVEY DATE 11/21/14 | SUB DIVISION PROPERTY OF MIKE & LISA ENGLAND 343 ASBILL ROAD McKEE, KY 40447 NEAR SAND GAP IN JACKSON COUNTY DEED BOOK 138 PAGE 75 |
| CHECKED BY JWC | DRAWING DATE 11/21/14 | |
| SCALE 1" = 20' | SHEET 1 OF 1 | |

APPALACHIAN WIRELESS
 101 TECHNOLOGY TRAIL
 IVEL, KY. 41642
 EXISTING TOWER SITE
 NEAR SAND GAP IN JACKSON COUNTY

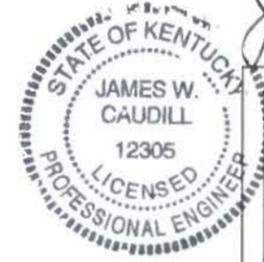
PLAN VIEW



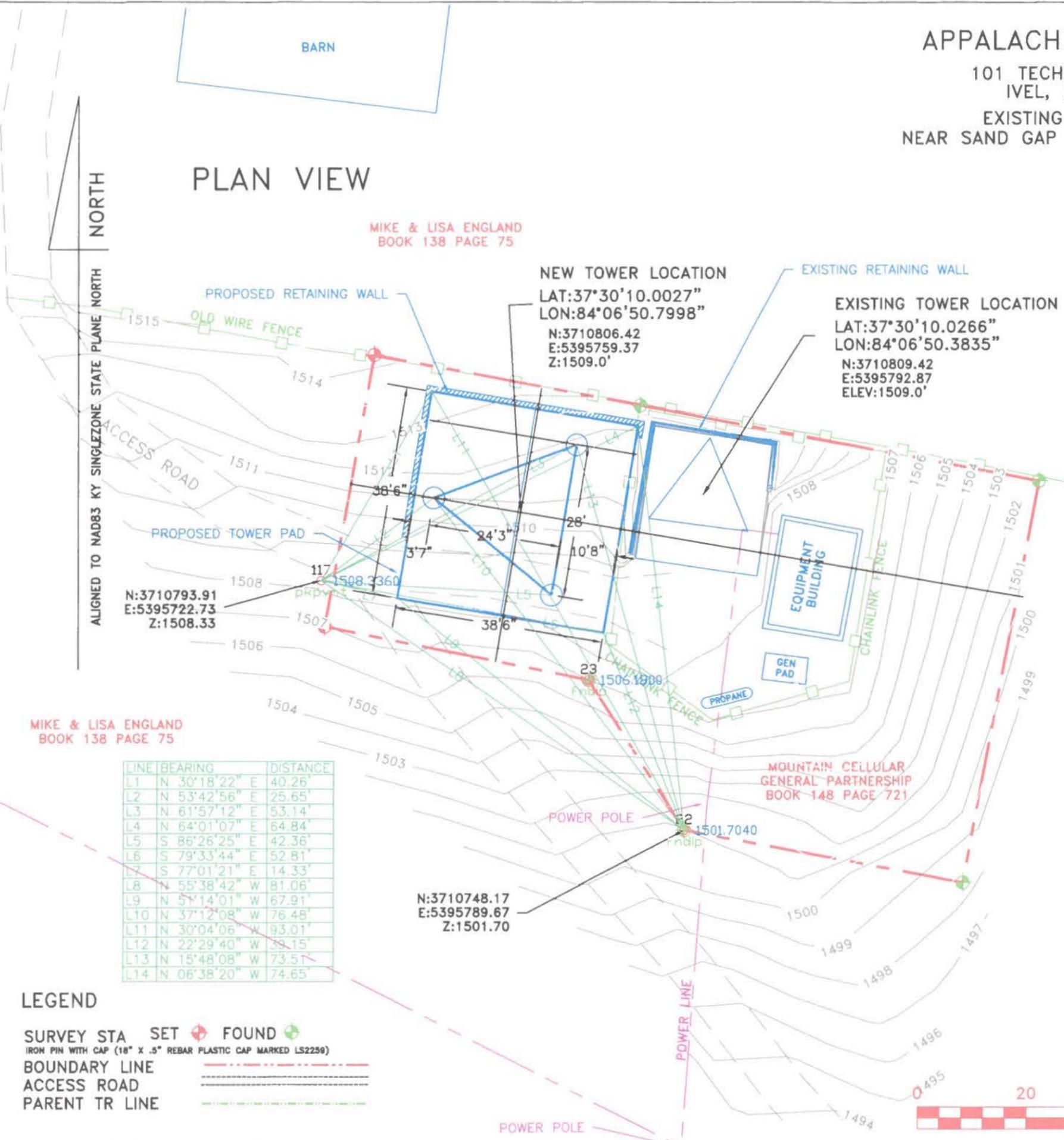
-THE PROPOSED TOWER HAS BEEN LOCATED USING DUAL FREQUENCY GPS UNIT PROCESSED BY "OPUS"
 -STATE PLANE COORDINATES NAD 83 KY SINGLE ZONE N3710806.42 E5395759.37, EL 1510.6' EXISTING GRD PROPOSED FOUNDATION EL1509'-TOP TOWER EL 1809'
 -PRECISION: HORIZONTAL=0.30' VERTICAL=0.50'
 -THIS SURVEY MEETS OBSTACLE ACCURACY CODE 2C.
 -PROPERTY LINE INFORMATION TAKEN FROM DEEDS AND VERIFIED IN THE FIELD.

NOTE: SEE FOUNDATION DRAWINGS FOR DETAILS

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECTION.
 James W. Caudill 12305 6-15-15
 JAMES W. CAUDILL PE# DATE



| PROPOSED SITE PLAN AND STRUCTURE LOCATION SANDGAP TOWER APPALACHIAN WIRELESS | | |
|---|------------------|--|
| DRAWN JWC | DATE 06/15/15 | TOWER RECONSTRUCTION MIKE ENGLAND TRACT ASBILL ROAD NR SANDGAP DETAIL SITE PLAN |
| APPROVED | DATE | |
| SCALE 1" = 20' | SHEET 2 OF 3 | PROJECT NO. SANDGAP/SGSITEPLAN |

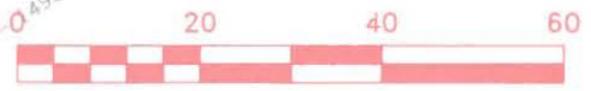


| LINE | BEARING | DISTANCE |
|------|---------------|----------|
| L1 | N 30°18'22" E | 40.26' |
| L2 | N 53°42'56" E | 25.65' |
| L3 | N 61°57'12" E | 53.14' |
| L4 | N 64°01'07" E | 64.84' |
| L5 | S 86°26'25" E | 42.36' |
| L6 | S 79°33'44" E | 52.81' |
| L7 | S 77°01'21" E | 14.33' |
| L8 | N 55°38'42" W | 81.06' |
| L9 | N 5°14'01" W | 67.91' |
| L10 | N 37°12'08" W | 76.48' |
| L11 | N 30°04'06" W | 93.01' |
| L12 | N 22°29'40" W | 39.15' |
| L13 | N 15°48'08" W | 73.51' |
| L14 | N 06°38'20" W | 74.65' |

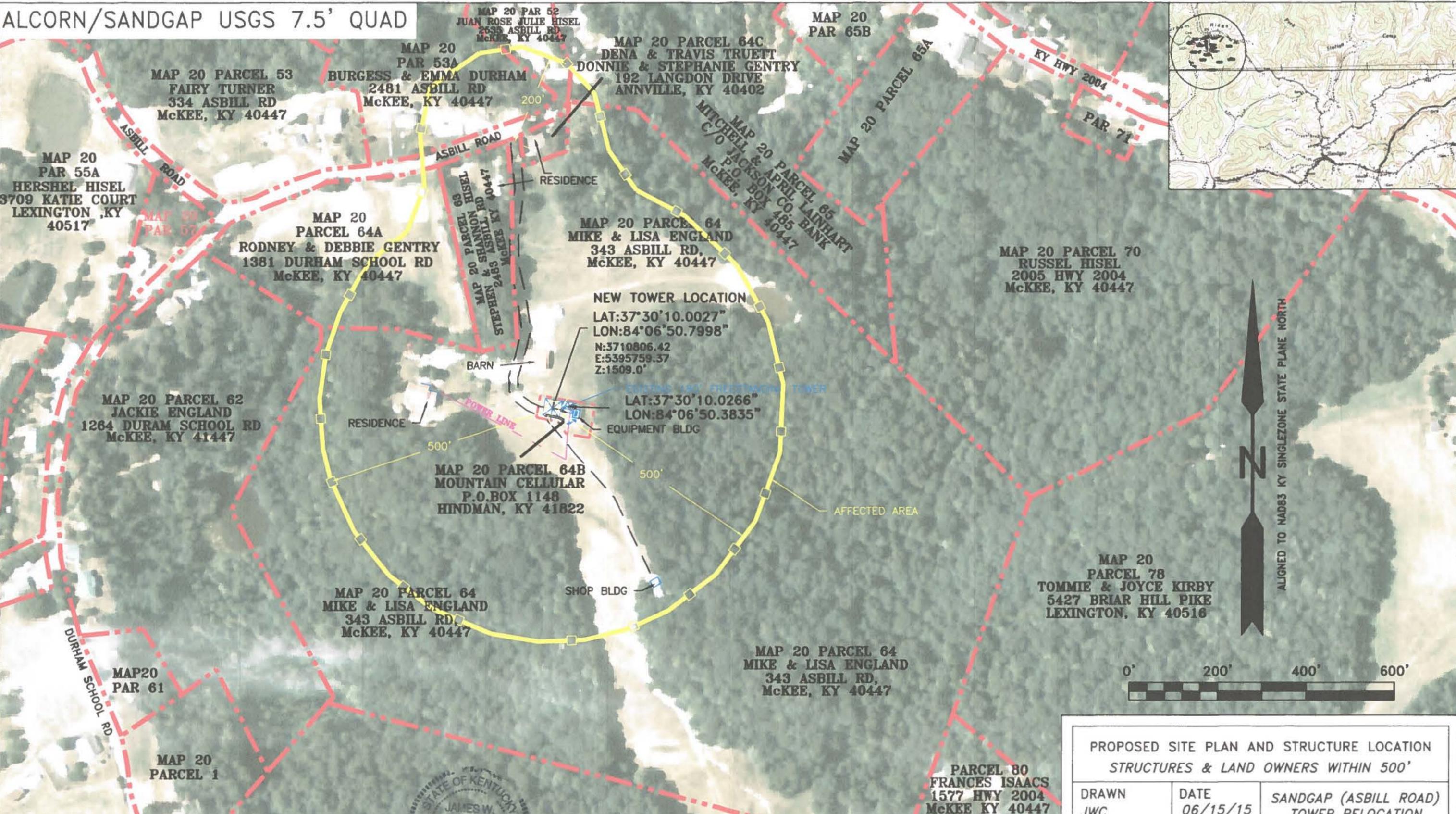
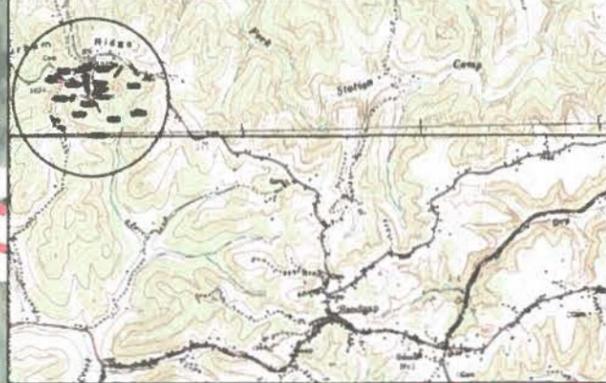
LEGEND

SURVEY STA SET FOUND
 IRON PIN WITH CAP (18" X .5" REBAR PLASTIC CAP MARKED LS2259)

BOUNDARY LINE
 ACCESS ROAD
 PARENT TR LINE



ALCORN/SANDGAP USGS 7.5' QUAD



MAP 20 PAR 52
JUAN ROSE JULIE HISEL
2635 ASBILL RD
McKEE, KY 40447

MAP 20
PAR 65B

MAP 20 PARCEL 53
FAIRY TURNER
334 ASBILL RD
McKEE, KY 40447

MAP 20
PAR 53A
BURGESS & EMMA DURHAM
2481 ASBILL RD
McKEE, KY 40447

MAP 20 PARCEL 64C
DENA & TRAVIS TRUETT
DONNIE & STEPHANIE GENTRY
192 LANGDON DRIVE
ANNVILLE, KY 40402

MAP 20 PARCEL 65
MITCHELL & APRIL LAINHART
C/O JACKSON CO BANK
PO BOX 485 BANK
McKEE, KY 40447

MAP 20
PAR 55A
HERSHEL HISEL
3709 KATIE COURT
LEXINGTON, KY
40517

MAP 20
PARCEL 64A
RODNEY & DEBBIE GENTRY
1381 DURHAM SCHOOL RD
McKEE, KY 40447

MAP 20 PARCEL 64
MIKE & LISA ENGLAND
343 ASBILL RD,
McKEE, KY 40447

MAP 20 PARCEL 70
RUSSEL HISEL
2005 HWY 2004
McKEE, KY 40447

NEW TOWER LOCATION
LAT:37°30'10.0027"
LON:84°06'50.7998"
N:3710806.42
E:5395759.37
Z:1509.0'

EXISTING 150' FREESTANDING TOWER
LAT:37°30'10.0266"
LON:84°06'50.3835"
EQUIPMENT BLDG

MAP 20 PARCEL 62
JACKIE ENGLAND
1264 DURAM SCHOOL RD
McKEE, KY 41447

MAP 20 PARCEL 64B
MOUNTAIN CELLULAR
P.O.BOX 1148
HINDMAN, KY 41822

MAP 20 PARCEL 64
MIKE & LISA ENGLAND
343 ASBILL RD,
McKEE, KY 40447

MAP 20 PARCEL 64
MIKE & LISA ENGLAND
343 ASBILL RD,
McKEE, KY 40447

MAP 20
PARCEL 78
TOMMIE & JOYCE KIRBY
5427 BRIAR HILL PIKE
LEXINGTON, KY 40516

PARCEL 80
FRANCES ISAACS
1577 HWY 2004
McKEE KY 40447

MAP 20 PARCEL 59
EMMITT & TERESA TURNER
118 UPPER DRY FORK RIDGE
McKEE, KY 40447

J W CAUDILL ENGINEERING
9283 HWY 15 STE. C, ISOM, KY 41824



ENGINEER'S CERTIFICATE:
REFLECTS THE INFORMATION OBTAINED AND PROVIDED BY THE JACKSON COUNTY
PROPERTY VALUATION ADMINISTRATION OFFICE IN McKEE, KY.
James W. Caudill 12305 6-15-15
JAMES W. CAUDILL P.E.# DATE

LEGEND

- POWER LINE - - - - -
- PROPERTY LINE - - - - -
- ACCESS ROAD = = = = =
- CREEK - - - - -
- CEMETERY [Symbol]
- TOWER ▲

| PROPOSED SITE PLAN AND STRUCTURE LOCATION STRUCTURES & LAND OWNERS WITHIN 500' | | |
|---|------------------|---|
| DRAWN JWC | DATE 06/15/15 | SANDGAP (ASBILL ROAD) TOWER RELOCATION JACKSON COUNTY KY PHOTO OVERLAY |
| APPROVED | DATE | |
| SCALE 1" = 200' | SHEET 1 OF 3 | PROJECT NO. SANDGAP/SGPVA200 |



APPALACHIAN WIRELESS

101 TECHNOLOGY TRAIL
IVEL, KY. 41642

EXISTING TOWER SITE
NEAR SAND GAP IN JACKSON COUNTY

300'

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.

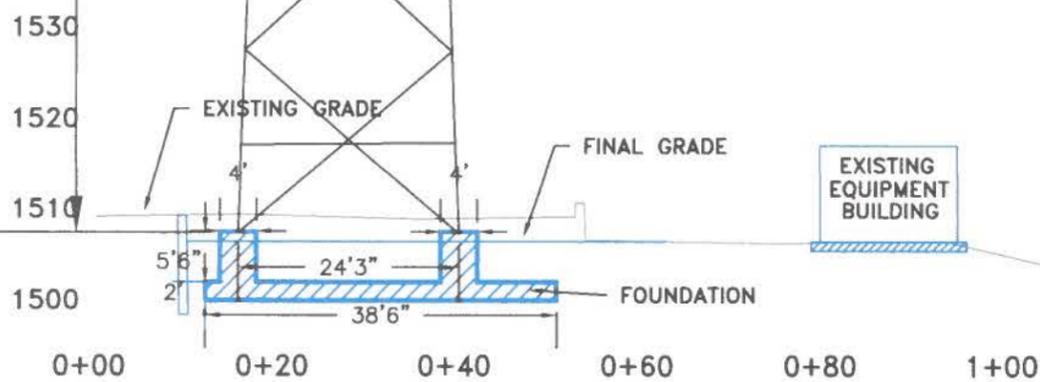


James W. Caudill 12305 6-15-15
JAMES W. CAUDILL PE #. DATE

NOTE: SEE FOUNDATION DRAWINGS FOR DETAILS

06/15/15

SCALE 1" = 20'



PROPOSED SITE PLAN AND STRUCTURE LOCATION SANDGAP TOWER APPALACHIAN WIRELESS

| | | |
|-------------------|------------------|--|
| DRAWN JWC | DATE 06/15/15 | TOWER RECONSTRUCTION MIKE ENGLAND TRACT ASBILL ROAD NR SANDGAP DETAIL SITE PLAN |
| APPROVED | DATE | |
| SCALE 1" = 20' | SHEET 3 OF 3 | PROJECT NO. SANDGAP/SGSITEPLAN |