

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

In the Matter of:

THE APPLICATION OF)
NEW CINGULAR WIRELESS PCS, LLC)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF KNOTT)

CASE NO.: 2016-00067

RECEIVED

FEB 05 2016

PUBLIC SERVICE
COMMISSION

SITE NAME: ALICE LLOYD

**APPLICATION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY**

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility (“Applicant”), by counsel, pursuant to (i) KRS §§ 278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submits this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of the Applicant with wireless communications services.

Applicants state that the within Application is substantially similar to the Application filed by Applicants previously in Case Number 2014-00098. A Certificate of Public Convenience and Necessity was issued for Case Number 2014-00098 on

August 25, 2014. The previously proposed tower has not been constructed based upon intervening changes to Applicants' deployment schedule for the subject facility. Applicant AT&T Mobility now requires for the subject facility to be constructed presently to address an existing service need, as discussed further herein.

In support of this Application, Applicant respectfully provides and states the following information:

1. The complete name and address of the Applicant: New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility, having a local address of 601 West Chestnut Street, Louisville, Kentucky 40203.

2. Applicant proposes construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicant submits this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

3. The Certificate of Authority filed with the Kentucky Secretary of State for the Applicant entity was attached to a prior application and is part of the case record for PSC case number 2011-00473 and is hereby incorporated by reference. AT&T Mobility is in good standing in the state in which it is organized and is authorized to transact business in Kentucky.

4. The Applicant operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy

of the Applicant's FCC license to provide wireless services is attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

5. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve the Applicant's services to an area currently not served or not adequately served by the Applicant by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in the Applicant's communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in the Applicant's network design that must be in place to provide adequate coverage to the service area.

6. To address the above-described service needs, Applicant proposes to construct a WCF at 490 Jacobs Ridge Road, Pippa Passes, Kentucky 41844 (37° 20' 33.171" North latitude, 82° 53' 00.004" West longitude), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Afo Jean Jacobs pursuant to a Deed recorded at Deed Book 267, Page 416 in the office of the Knott County Clerk. The proposed WCF will consist of a 255-foot tall tower, with an approximately 10-foot tall lightning arrestor attached at the top, for a total height of 265-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of the Applicant's radio electronics equipment and appurtenant equipment. The Applicant's equipment cabinet or

shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**.

7. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete is attached as **Exhibit D**.

8. The site development plan and a vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the Applicant has also been included as part of **Exhibit B**.

9. Foundation design plans signed and sealed by a professional engineer registered in Kentucky and a description of the standards according to which the tower was designed are included as part of **Exhibit C**.

10. Applicant has considered the likely effects of the installation of the proposed WCF on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate Applicant's antennas on an existing structure. When suitable towers or structures exist, Applicant attempts to co-locate on existing structures such as communications towers or other structures capable of supporting Applicant's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

11. A copy of the Application for a Determination of No Hazard to Air Navigation

issued by the Federal Aviation Administration ("FAA") is attached as **Exhibit E**.

12. A copy of the Application for Kentucky Airport Zoning Commission ("KAZC") Approval to construct the tower is attached as **Exhibit F**.

13. A geotechnical engineering firm has performed soil boring(s) and subsequent geotechnical engineering studies at the WCF site. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as **Exhibit G**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of this exhibit.

14. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit H**. The name and telephone number of the preparer of **Exhibit H** are included as part of this exhibit.

15. Applicant, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit I**.

16. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit C** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations.

17. The Construction Manager for the proposed facility is Kyle Ballard, and the

identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained **Exhibits B & C**.

18. As noted on the Survey attached as part of **Exhibit B**, the surveyor has determined that the site is not within any flood hazard area.

19. **Exhibit B** includes a map drawn to a scale of no less than 1 inch equals 200 feet that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

20. Applicant has notified every person who, according to the records of the County Property Valuation Administrator, owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the telephone number and address of the PSC, and has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

21. Applicant has notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. A copy of this notice is attached as

Exhibit L.

22. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as

Exhibit M. Notice of the location of the proposed facility has been published in a newspaper of general circulation in the county in which the facility is proposed to be located.

23. The general area where the proposed facility is to be located is mountainous.

24. The process that was used by the Applicant's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. Applicant's radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicant when searching for sites for its antennas that would provide the coverage deemed necessary by the Applicant. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant

to radio frequency requirements is attached as **Exhibit N**.

25. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

26. All responses and requests associated with this Application may be directed to:

David A. Pike
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com

WHEREFORE, Applicant respectfully request 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 WCF at the location set forth herein.

Respectfully submitted,



David A. Pike
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Attorney for New Cingular Wireless PCS, LLC
d/b/a AT&T Mobility

LIST OF EXHIBITS

- A - FCC License Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
- D - Competing Utilities, Corporations, or Persons List
- E - FAA
- F - Kentucky Airport Zoning Commission
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice
- M - Copy of Posted Notices
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A
FCC LICENSE DOCUMENTATION

ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGA823 - New Cingular Wireless PCS, LLC

Call Sign	WQGA823	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Status	Active	Auth Type	Regular
Market			
Market	CMA452 - Kentucky 10 - Powell	Channel Block	A
Submarket	0	Associated Frequencies (MHz)	001710.00000000- 001720.00000000- 002110.00000000- 002120.00000000

Dates

Grant	11/29/2006	Expiration	11/29/2021
Effective	02/12/2014	Cancellation	

Buildout Deadlines

1st	2nd
-----	-----

Notification Dates

1st	2nd
-----	-----

Licensee

FRN	0003291192	Type	Limited Liability Company
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Licensee

New Cingular Wireless PCS, LLC 3300 E. Renner Road, B3132 Richardson, TX 75082 ATTN Reginald Youngblood	P:(855)699-7073 F:(972)907-1131 E:FCCMW@att.com
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Contact

AT&T Mobility LLC Michael P Goggin 1120 20th Street, NW - Suite 1000 Washington, DC 20036 ATTN Michael P. Goggin	P:(202)457-2055 F:(202)457-3073 E:michael.p.goggin@att.com
--	--

Ownership and Qualifications

Radio Service Type	Mobile
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.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGD755 - New Cingular Wireless PCS, LLC

Call Sign	WQGD755	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Status	Active	Auth Type	Regular
Market			
Market	BEA047 - Lexington, KY-TN-VA-WV	Channel Block	C
Submarket	0	Associated Frequencies (MHz)	001730.00000000- 001735.00000000 002130.00000000- 002135.00000000

Dates

Grant	12/18/2006	Expiration	12/18/2021
Effective	12/05/2014	Cancellation	

Buildout Deadlines

1st	2nd
-----	-----

Notification Dates

1st	2nd
-----	-----

Licensee

FRN	0003291192	Type	Limited Liability Company
-----	------------	------	---------------------------

Licensee

New Cingular Wireless PCS, LLC 3300 E. Renner Road, B3132 Richardson, TX 75082 ATTN Reginald Youngblood	P:(855)699-7073 F:(972)907-1131 E:FCCMW@att.com
--	---

Contact

AT&T Mobility LLC 1120 20th Street, NW - Suite 1000 Washington, DC 20036 ATTN Michael P. Goggin	P:(202)457-2055 F:(202)457-3073 E:michael.p.goggin@att.com
--	--

Ownership and Qualifications

Radio Service Type	Mobile
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.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity

Gender

ULS License

Cellular License - KNKN841 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	KNKN841	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular

Market

Market	CMA452 - Kentucky 10 - Powell	Channel Block	A
Submarket	0	Phase	2

Dates

Grant	08/30/2011	Expiration	10/01/2021
Effective	02/14/2014	Cancellation	

Five Year Buildout Date

02/05/1997

Control Points

1 1650 Lyndon Farms Court, LOUISVILLE, KY
P: (502)329-4700

Licensee

FRN	0003291192	Type	Limited Liability Company
-----	------------	------	---------------------------

Licensee

NEW CINGULAR WIRELESS PCS, LLC 3300 E. Renner Road, B3132 Richardson, TX 75082 ATTN Reginald Youngblood	P:(855)699-7073 F:(972)907-1131 E:FCCMW@att.com
--	---

Contact

AT&T MOBILITY LLC Michael P Goggin 1120 20th Street, NW - Suite 1000 Washington, DC 20036 ATTN Michael P. Goggin	P:(202)457-2055 F:(202)457-3073 E:michael.p.goggin@att.com
--	--

Ownership and Qualifications

Radio Service Type	Mobile
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.

Demographics

Race

Ethnicity

Gender

ULS License

PCS Broadband License - WPOI255 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	WPOI255	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	MTA026 - Louisville-Lexington-Evansvill	Channel Block	A
Submarket	19	Associated Frequencies (MHz)	001850.00000000- 001865.00000000- 001930.00000000- 001945.00000000

Dates

Grant	05/27/2015	Expiration	06/23/2025
Effective	05/27/2015	Cancellation	

Buildout Deadlines

1st	06/23/2000	2nd	06/23/2005
-----	------------	-----	------------

Notification Dates

1st	07/07/2000	2nd	02/17/2005
-----	------------	-----	------------

Licensee

FRN	0003291192	Type	Limited Liability Company
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Licensee

NEW CINGULAR WIRELESS PCS, LLC 3300 E. Renner Road, B3132 Richardson, TX 75082 ATTN Reginald Youngblood	P:(855)699-7073 F:(972)907-1131 E:FCCMW@att.com
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Contact

AT&T MOBILITY LLC Michael P Goggin 1120 20th Street, NW - Suite 1000 Washington, DC 20036 ATTN Michael P. Goggin	P:(202)457-2055 F:(202)457-3073 E:michael.p.goggin@att.com
--	--

Ownership and Qualifications

Radio Service Type	Mobile
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.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

Race

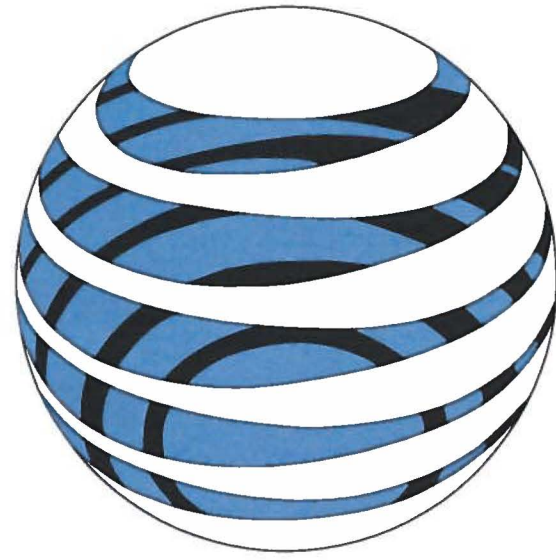
Ethnicity

Gender

EXHIBIT B

SITE DEVELOPMENT PLAN:

**500' VICINITY MAP
LEGAL DESCRIPTIONS
FLOOD PLAIN CERTIFICATION
SITE PLAN
VERTICAL TOWER PROFILE**



at&t

ALICE LLOYD SITE ID: KYALU6157

490 JACOBS RIDGE RD
KNOTT COUNTY
PIPPA PASSES, KENTUCKY 41844

PROPOSED 255' SELF-SUPPORT
WITH MULTIPLE CARRIERS

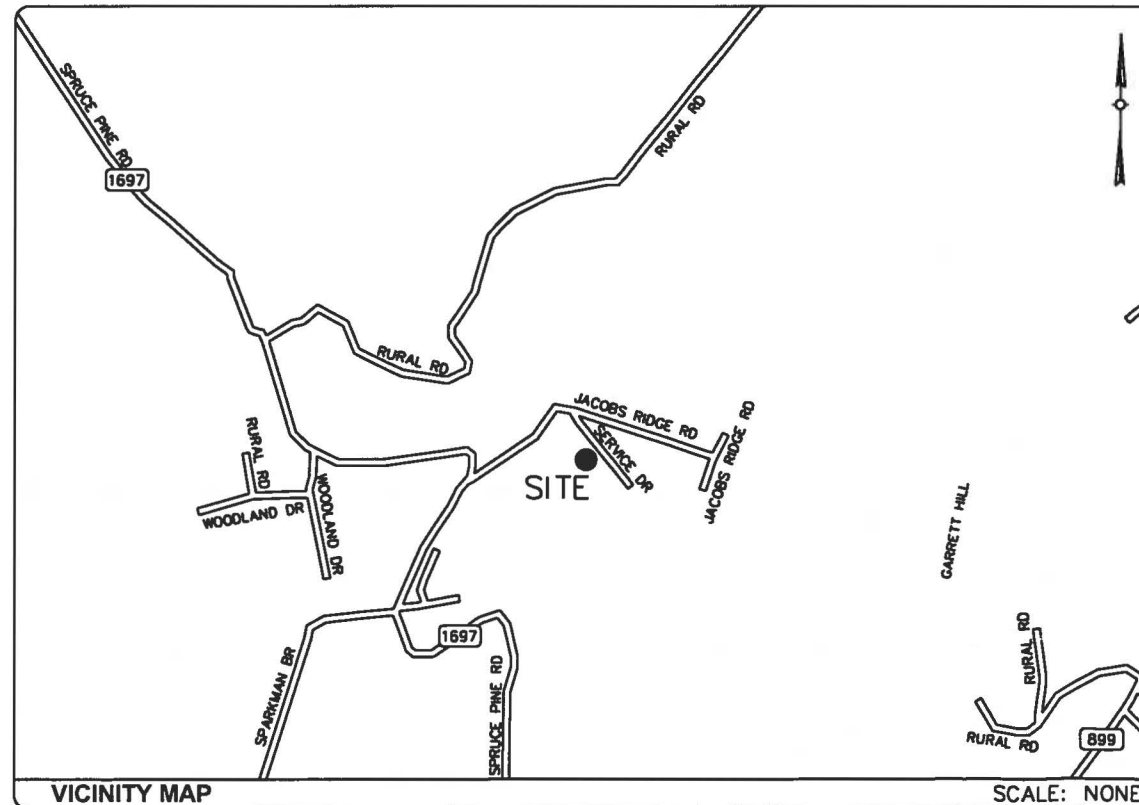
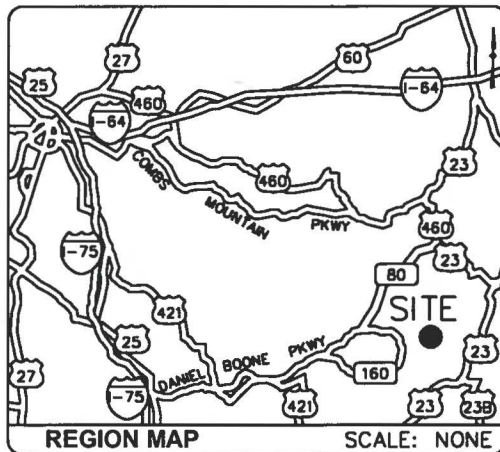
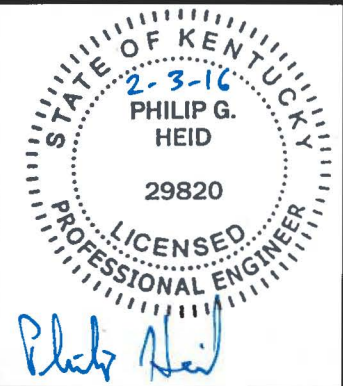
SCOPE OF WORK:

CONSTRUCTION DRAWINGS FOR:
CONSTRUCTION OF A NEW UNMANNED TELECOMMUNICATIONS FACILITY.

SITE WORK: NEW SELF-SUPPORT TOWER, UNMANNED EQUIPMENT SHELTER AND GENERATOR ON A CONCRETE FOUNDATION, AND UTILITY INSTALLATIONS.

UTILITY PROTECTION NOTE

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. ALL NEW SERVICE AND GROUNDING TRENCHES PROVIDE A WARNING TAPE 12 INCHES ABOVE THE UNDERGROUND INSTALLATION (SEE NEC 300.5).



AT&T _____
MASTEC _____ CONSTRUCTION MANAGER
MASTEC _____ SITE ACQUISITION

SIGNATURE BOX

SITE NAME
ALICE LLOYD
SITE ID NUMBER
KYALU6157
SITE ADDRESS
490 JACOBS RIDGE RD
PIPPA PASSES, KY 41844
1A COORDINATES
LAT: 37° 20' 33.171"
LONG: 82° 53' 0.004"
ELEV: ±1877.5 AMSL (NAVD 88)
PROPERTY OWNER
AFO JEAN JACOB
P.O. BOX 92
PIPPA PASSES, KY 41844
CONTACT: AFO JEAN JACOB
PHONE: (606) 634-3886
APPLICANT
AT&T
601 W. CHESTNUT ST. 1 EAST
LOUISVILLE, KENTUCKY 40203
CONTACT: MICHELLE WARD
PHONE: (502) 779-5950
TAX MAP NUMBER
N/A
PARCEL NUMBER
70-00-00-008.00
SOURCE OF TITLE
DEED BOOK 267, PAGE 416
LEASE AREA
50'-0" x 80'-0" = 4,000 SF

PROJECT INFORMATION

SHT NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	COMMUNICATIONS SITE SURVEY
C-1A	COMMUNICATIONS SITE SURVEY
C-2	COMMUNICATIONS SITE SURVEY
C-2A	COMMUNICATIONS SITE SURVEY
Z-2	OVERALL SITE PLAN
Z-2A	OVERALL SITE PLAN (DIMENSIONS)
Z-3	SITE LAYOUT
Z-4	AT&T SHELTER LAYOUT
Z-5	NORTH/SOUTH TOWER ELEVATIONS
Z-6	EAST/WEST TOWER ELEVATIONS

SHEET INDEX

POLICE DEPARTMENT
KNOTT CO SHERIFF
PHONE: (606) 785-5354

FIRE DEPARTMENT
BETSY LANE FIRE DEPARTMENT
PHONE: (606) 478-5555

ELECTRIC COMPANY
AEP
PHONE: (606) 929-1458
CONTACT: STEVE MARTIN

TELEPHONE COMPANY
THACKER GRIGSBY
PHONE: (606) 785-9566
CONTACT: CUSTOMER SERVICE

CONTACT INFORMATION

BTM Engineering, Inc.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

DESIGN ENGINEER

BTM Engineering, Inc.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

SURVEYOR

DIRECTIONS FROM COUNTY SEAT: FROM HINDMAN AT THE CORNER OF SR 160 AND SR 550, PROCEED ON SR 550 APRX 3.8 MILES TO SR 1697/SPRUCE PINE RD AND TURN RIGHT. CONTINUE ON SR 1697/SPRUCE PINE RD APRX 2.75 MILES TO JACOBS RIDGE RD AND TURN LEFT. FOLLOW JACOBS RIDGE RD TO SITE APRX 0.25 OF A MILE.

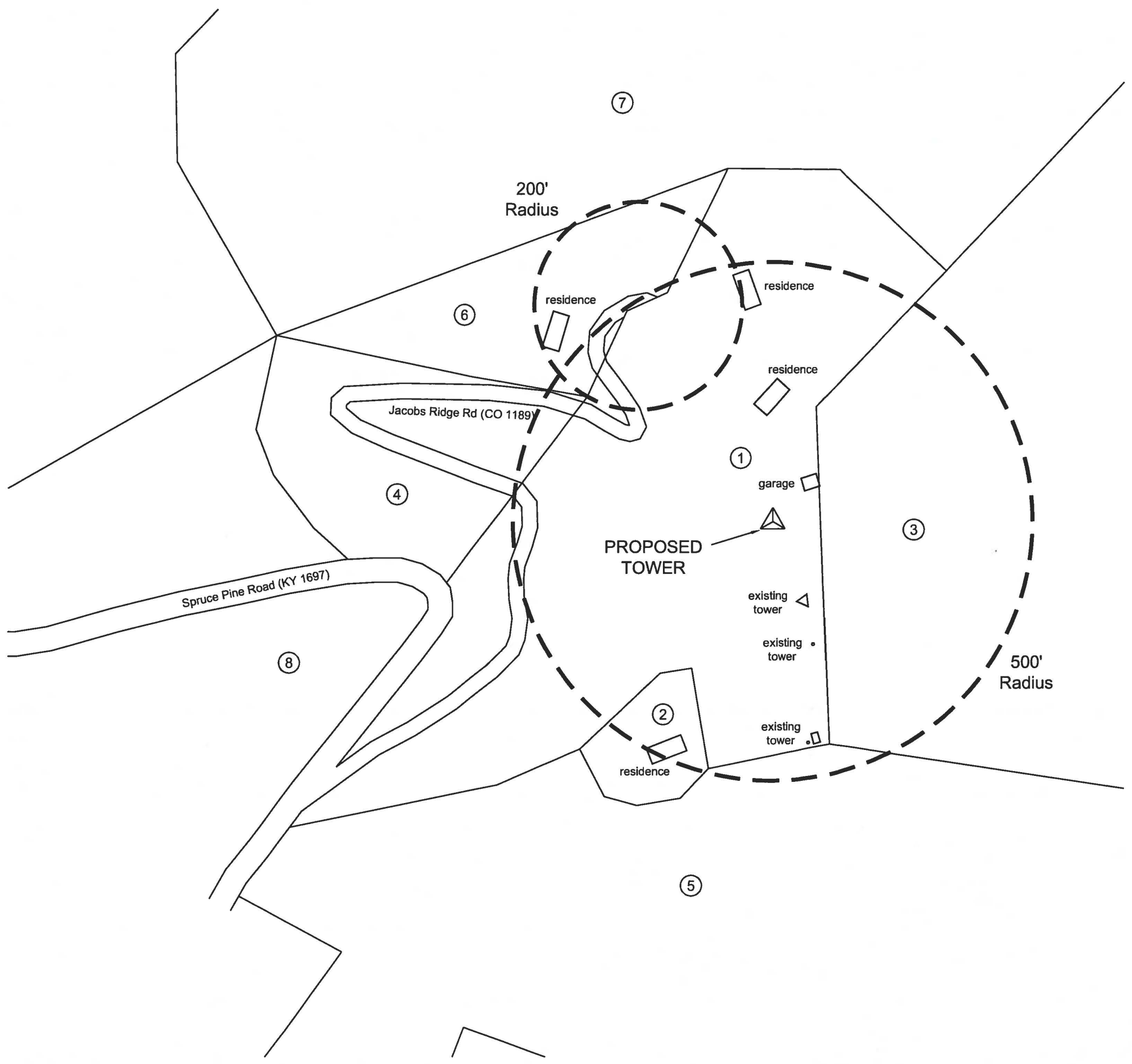
DIRECTIONS FROM WINCHESTER AT&T MTSO: STARTING AT 3800 CORPORATE DR WINCHESTER, KY, PROCEED TO THE COMBS MOUNTAIN PKWY AND CONTINUE FOR APRX 75.5 MILES TO US 460/SR 114 AND MERGE. CONTINUE ON US 460/SR 114 FOR APRX 1 MILES TO SR 114 AND TURN RIGHT. PROCEED ON SR 114 APRX 9.2 MILES TO US 460 AND TURN RIGHT. CONTINUE ON US 460 APRX 3.1 MILES TO SR 80 AND TURN RIGHT. PROCEED ON SR 80 APRX 26.5 MILES TO SR 160 AND TURN LEFT. FOLLOW SR 160 APRX 1.5 MILES TO SR 550 AND TURN LEFT. CONTINUE ON SR 550 APRX 4 MILES TO SR 1697/SPRUCE PINE RD AND TURN RIGHT. PROCEED ON SR 1697/SPRUCE PINE RD APRX 2.75 MILES TO JACOBS RIDGE RD AND TURN LEFT. FOLLOW JACOBS RIDGE RD TO SITE APRX 0.25 OF A MILE.

DIRECTIONS TO SITE

SITE NAME: ALICE LLOYD
SITE NUMBER: KYALU6157
SITE ADDRESS: 490 JACOBS RIDGE RD
PIPPA PASSES, KY 41844
AREA: 4,000 SF
PROPERTY OWNER: AFO JEAN JACOB
P.O. BOX 92
PIPPA PASSES, KY 41844
TAX MAP #: N/A **PARCEL NUMBER:** 70-00-00-008.00
SOURCE OF TITLE: DEED BOOK 267 PAGE 416
LATITUDE: N 37° 20' 33.171" **LONGITUDE:** W 82° 53' 00.004"

NO.	BY	DESCRIPTION	DATE	CHK	REVISIONS		
					DATE	CHK	DESCRIPTION
1	KTL	ISSUE FOR COMMENT	01/27/16	PGH			
2	JTL	ISSUE FOR COMMENT	02/03/16	PGH			
3	JTL	ISSUE FOR ZONING	02/03/16	PGH			

TITLE: TITLE SHEET
SHEET: T-1



THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY

GENERAL NOTE:

All information shown hereon was obtained from records of the Knott County, Kentucky, Property Valuation Administration Office on 1/14/2016. The Property Valuation Administration records may not reflect the current owners and address due to the inaccuracies and time lapse in updating files. The Knott County Property Valuation Administration expressly disclaims any warranty for the content and any errors contained in their files.

George Brian Wyatt
 George Brian Wyatt, PLS 2328
 January 18, 2016
 Date

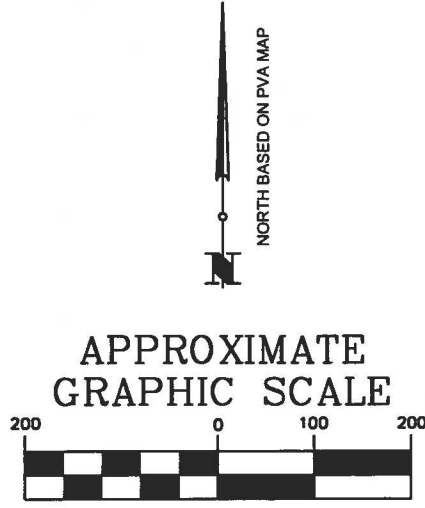
Mastec

BTM Engineering, Inc.
 CONSULTING ENGINEERS, LANDSCAPE ARCHITECTS,
 PLANNERS & SURVEYORS
 3001 TAYLOR SPRINGS DRIVE
 LOUISVILLE, KENTUCKY 40220
 PHONE: (502) 459-8402
 FAX: (502) 459-8427

STATE of KENTUCKY
 GEORGE BRIAN WYATT
 2328
 LICENSED PROFESSIONAL LAND SURVEYOR

SITE NAME: ALICE LLOYD
 SITE NUMBER: KYALU6157
 SITE ADDRESS: 490 JACOBS RIDGE RD
 PIPPA PASSES, KY 41844
 AREA: 4,000 SF
 PROPERTY OWNER: AFO JEAN JACOBS
 P.O. BOX 92
 PIPPA PASSES, KY 41844
 TAX MAP #: N/A PARCEL NUMBER: 70-00-00-008.00
 SOURCE OF TITLE: DEED BOOK 267 PAGE 416
 LATITUDE: N 37° 20' 33.171" LONGITUDE: W 82° 53' 00.004"

NO.	BY	DESCRIPTION	DATE	CHK	PGH
1	BW	UPDATE PVA DATA	01/12/16		




TITLE: COMMUNICATIONS SITE SURVEY

SHEET: C-1

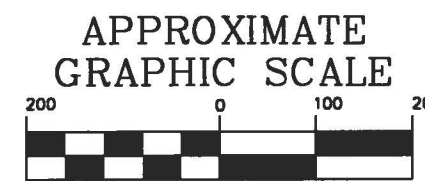
THIS MAP IS FOR GENERAL
INFORMATIONAL PURPOSES ONLY
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George Brian Wyatt, PLS 2328
January 18, 2016
Date

- ① PARCEL NUMBER: 070-00-00-008.00
Afo Jean Jacobs
P.O. Box 92
Pippa Passes, Kentucky 41844
- ② PARCEL NUMBER: 070-00-00-008.01
The Truck Store, Inc.
P.O. Box 454
Hindman, Kentucky 41822
- ③ PARCEL NUMBER: 079-00-00-051.00
Alice Lloyd College
100 Purpose Road
Pippa Passes, Kentucky 41844
- ④ PARCEL NUMBER: 070-00-00-009.00
Burnis & Mary Lois Jacobs
P.O. Box 33
Pippa Passes, Kentucky 41844
- ⑤ PARCEL NUMBER: 070-00-00-005.00
Kurt & Lisa Sandlin
P.O. Box 174
Pippa Passes, Kentucky 41844
- ⑥ PARCEL NUMBER: 070-00-00-009.01
Allison Jacobs
P.O. Box 33
Pippa Passes, Kentucky 41844
- ⑦ PARCEL NUMBER: 070-00-00-010.00
Glenna Jacobs Gross
P.O. Box 456
Loyall, Kentucky 40854
- ⑧ PARCEL NUMBER: 070-00-00-007.00
Donald G. & Kathy H. Mullins
P.O. Box 125
Garner, Kentucky 41847



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BTM Engineering, Inc.
CONSULTING ENGINEERS, LANDSCAPE ARCHITECTS,
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3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
PHONE: (502) 459-8402
FAX: (502) 459-8427

STATE of KENTUCKY
GEORGE BRIAN
WYATT
2328
LICENSED
PROFESSIONAL
LAND SURVEYOR

SITE NAME: ALICE LLOYD
SITE NUMBER: KYALU6157
SITE ADDRESS: 490 JACOBS RIDGE RD
PIPPA PASSES, KY 41844
AREA: 4,000 SF
PROPERTY OWNER: AFO JEAN JACOBS
P.O. BOX 92
PIPPA PASSES, KY 41844
TAX MAP #: N/A PARCEL NUMBER: 70-00-00-008.00
SOURCE OF TITLE: DEED BOOK 267 PAGE 416
LATITUDE: N 37° 20' 33.171" LONGITUDE: W 82° 53' 00.004"

NO.	BY	DESCRIPTION	REVISIONS	
			DATE	CHK PGT
1	BW	UPDATE PVA DATA	01/12/16	

TITLE:
COMMUNICATIONS
SITE SURVEY

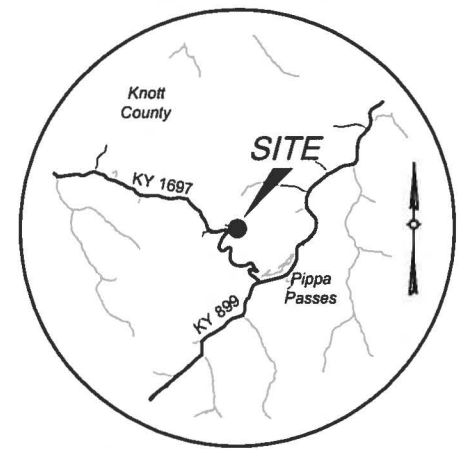
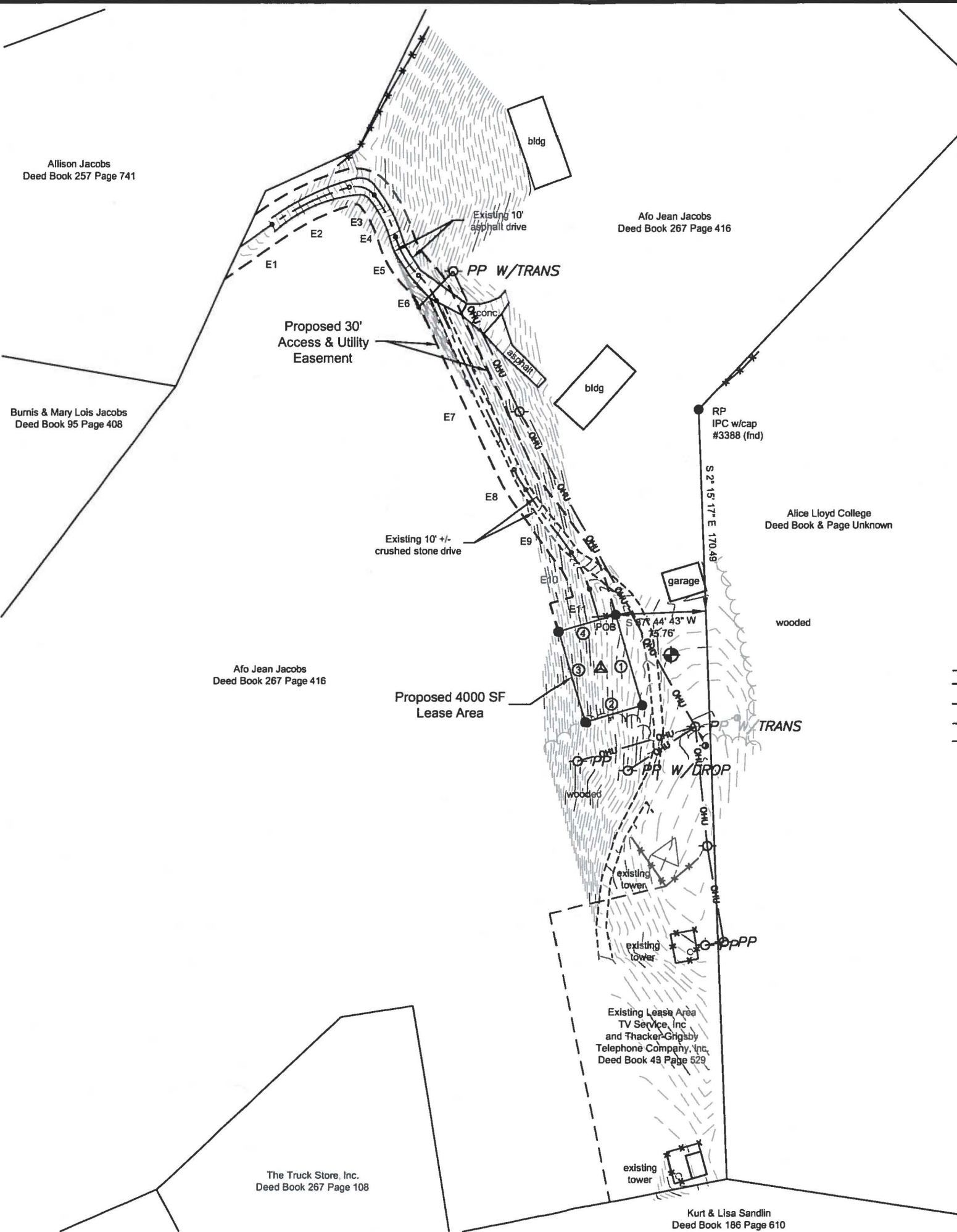
SHEET:
C-1A

LEASE LINE TABLE

1	S 16° 31' 25" E	80.00'
2	S 73° 28' 35" W	50.00'
3	N 16° 31' 25" W	80.00'
4	N 73° 28' 35" E	50.00'

EASEMENT LINE & CURVE TABLE

E1	N 54° 45' 34" E	33.30'	
E2	N 64° 26' 23" E	72.30'	R=215.00'
E3	S 72° 21' 37" E	22.09'	R=20.00'
E4	S 27° 27' 14" E	39.49'	R=100.00'
E5	S 30° 37' 51" E	37.71'	R=75.00'
E6	S 35° 05' 31" E	26.31'	R=75.00'
E7	S 24° 59' 23" E	156.97'	
E8	S 30° 39' 44" E	19.77'	R=100.00'
E9	S 36° 20' 05" E	65.87'	
E10	S 26° 25' 45" E	34.41'	R=100.00'
E11	S 16° 31' 25" E	27.30'	



LOCATION MAP
Pippa Passes, Knott County, Kentucky

NOTE

THE PROPOSED TOWER CENTERLINE, DENOTED BY THIS SYMBOL IS LOCATED AS FOLLOWS:

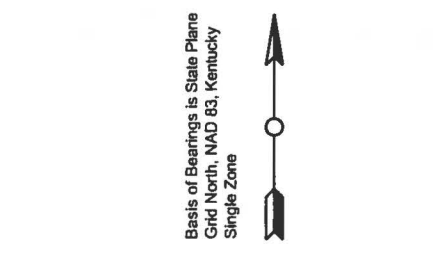
NAD 1983
 LATITUDE: 37°20' 33.171"N
 LONGITUDE: 82°53' 00.004"W
 ELEVATION: 1877.5 (NAVD 88)
 STATE PLANE COORDINATE
 NORTHING: 3,661,105.252
 EASTING: 5,754,464.656

BENCHMARK

NORTH: 3,661,116.64
 EAST: 5,754,524.02
 ELEVATION: 1887.11 (NAVD 88)
 LOCATION: Iron Pin w/Cap

LEGEND

- EASEMENT AREA LINE
- ACCESS EASEMENT LINE
- PROPERTY LINE
- OVERHEAD UTILITIES
- UTILITY POLE
- SET #5 REBAR OR MAG NAIL WITH CAP STAMPED "WYATT#2328" UNLESS OTHERWISE NOTED
- REFERENCE POINT
- POINT OF BEGINNING



NOTE
 This communications site survey is subject to all existing easements, restrictions, exceptions, servitude's, rights of way and prior leases whether shown hereon or not. A title report may reveal easements or other defects whether shown hereon or not.

FLOOD PLAIN CERTIFICATION
 According to Flood Insurance Rate Map (FIRM) Map No. 21119C0225C, dated September 28, 2007, the Lease Area is situated in Zone Z and does not appear to be in a flood hazard area.

LAND SURVEYORS CERTIFICATE
 I hereby certify that this Communications Site Survey was made under my supervision, and that the angular and linear measurements as witnessed by monuments shown hereon are true and correct to the best of my knowledge and belief. This plat does not represent a boundary survey and is not intended for land transfer.

18-January-2016
 GEORGE BRIAN WYATT, PLS 2328 DATE

OWNER APPROVAL: _____ DATE _____

OWNER APPROVAL: _____ DATE _____

CLIENT APPROVAL: _____ DATE _____

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 FAX: (502) 459-8427

STATE of KENTUCKY
 GEORGE BRIAN WYATT
 2328
 LICENSED PROFESSIONAL LAND SURVEYOR

SITE NAME:	ALICE LLOYD
SITE NUMBER:	KYALU6157
SITE ADDRESS:	490 JACOBS RIDGE RD PIPPA PASSES, KY 41844
AREA:	4,000 SF
PROPERTY OWNER:	AFO JEAN JACOBS P.O. BOX 92 PIPPA PASSES, KY 41844
TAX MAP #:	N/A
PARCEL NUMBER:	70-00-00-008.00
SOURCE OF TITLE:	DEED BOOK 267 PAGE 416
LATITUDE:	N 37° 20' 33.171"
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1	BW	UPDATE PVA DATA	01/12/16		

TITLE:
COMMUNICATIONS SITE SURVEY

SHEET:
C-2

LEGAL DESCRIPTIONS

These are the descriptions of:

A tract of land conveyed to Afo Jean Jacobs in Deed Book 267 at Page 416, in the Office of the County Clerk of Knott County, Kentucky;

An area to be leased from, and situated entirely within, the Afo Jean Jacobs tract; and

An easement for Access & Utilities on, over, and across the Afo Jean Jacobs tract.

PARENT TRACT DESCRIPTION

A certain tract or parcel of land, lying in Knott County, Kentucky, and described as follows:

Lying and being in the head of Stone's Fork of Troublesome Creek and the head of Onion Blade Branch of Caney Creek and;

BEGINNING at the highway at a marked rock; thence up the hill with Delia Stone's line to a marked rock on the ridge; thence up the ridge with Delia Stone's line to David Stone's line; thence around the ridge with David Stone's line to Cody Jacob's line; thence down the ridge with David Stone's line 325 feet to a stone marker; thence around the hill with a branch to a stone marker; thence up the hill to a stone marker; thence in a straight line to the beginning; containing five acres more or less.

Being the same land conveyed from Cody Jacobs and Allie Jacobs, his wife to Jim Jacobs and Afo Jean Jacobs, his wife by deed dated August 10, 1972 and recorded in Deed Book 95 page 407, and Affidavit of Descent recorded October 10, 2013 in Deed Book 267, page 399.

Excepting therefrom, so much as was conveyed to Kevin Jacobs and Lora Lee Jacobs, his wife, by Deed from Jim Jacobs and Afo Jean Jacobs, his wife, by Deed dated May 16, 1991 and recorded May 24, 1991, of record in Deed Book 157, Page 479, in the Office of the Clerk of Knott County, Kentucky, to which deed reference is made for a more particular description thereof.

DESCRIPTION OF PROPOSED LEASE AREA

Beginning, for reference, in the easterly line of the Afo Jean Jacobs tract, as recorded in Deed Book 267 at Page 416, in the Office of the Knott County Clerk, said line being common with the Alice Lloyd College property (PVA map number 079-00-00-051.00), and being a corner marked by an iron pin with cap stamped #3388 (found); thence with the said easterly line of Jacobs, South 02 degrees 15 minutes 17 seconds East, a distance of 170.49 feet to a point; thence leaving the said easterly line, and running on, over, and across the Jacobs tract, South 87 degrees 44 minutes 43 seconds West to the true POINT OF BEGINNING, an iron pin with cap stamped #2328; thence South 16 degrees 31 minutes 25 seconds East, a distance of 80.00 feet to an iron pin with cap stamped #2328; thence South 73 degrees 28 minutes 35 seconds West, a distance of 50.00 feet to an iron pin with cap stamped #2328; thence North 16 degrees 31 minutes 25 seconds West, a distance of 80.00 feet to an iron pin with cap stamped #2328; thence North 73 degrees 28 minutes 35 seconds East, a distance of 50.00 feet to the point of beginning, containing 4000.00 square feet, or 0.92 acres.

DESCRIPTION OF PROPOSED ACCESS & UTILITY EASEMENT

A 30-foot wide easement for the right to use for access and utilities to the above described Lease Area, said easement being described as follows:

Beginning at a point in the grantor's westerly line, said point being in the centerline of Jacobs Ridge Road, a public right-of-way, thence North 54 degrees 45 minutes 34 seconds East, a distance of 33.30 feet to a point; thence with a curve to the right, of radius 215.00 feet, the chord of which bears North 64 degrees 26 minutes 23 seconds East, a distance of 72.30 feet to a point; thence with a curve to the right, of radius 20.00 feet, the chord of which bears South 72 degrees 21 minutes 37 seconds East, a distance of 22.09 feet to a point; thence with a curve to the right, of radius 100.00 feet, the chord of which bears South 27 degrees 27 minutes 14 seconds East, a distance of 39.49 feet to a point; thence with a curve to the left, of radius 75.00 feet, the chord of which bears South 30 degrees 37 minutes 51 seconds East, a distance of 37.71 feet to a point; thence with a curve to the right, of radius 75.00 feet, the chord of which bears South 35 degrees 05 minutes 31 seconds East, a distance of 26.31 feet to a point; thence South 24 degrees 59 minutes 23 seconds East, a distance of 156.97 feet to a point; thence with a curve to the left, of radius 100.00 feet, the chord of which bears South 30 degrees 39 minutes 44 seconds East, a distance of 19.77 feet to a point; thence South 36 degrees 20 minutes 05 seconds East, a distance of 65.87 feet to a point; thence with a curve to the right of radius 100.00 feet, the chord of which bears South 26 degrees 25 minutes 45 seconds East, a distance of 34.41 feet to a point; thence South 16 degrees 31 minutes 25 seconds East, a distance of 27.30 feet to a point in the northerly line of the above-described Lease Area.

TITLE COMMITMENT / SCHEDULE B NOTES

Item 1. Taxes, tax liens, tax sales, water rates, sewer and assessments set forth in schedule herein. **BTM did not examine or address this item.**

Item 2. Mortgages returned herein. (-0-). See Separate Mortgage Schedule. **BTM did not examine or address this item.**

Item 3. Any state of facts which an accurate survey might show or survey exceptions set forth herein. **The land title lines shown hereon represent those called for in Item 3**

Item 4. Rights of tenants or person in possession. **BTM did not examine or address this item.**

Item 7. Right-of-Way Easement by Jimmy and Afo Jean Jacobs to Knott County Water and Sewer District, dated 1/31/2007 recorded 12/10/2007 in book 239 page 580. **DOES NOT AFFECT the subject property.**

Item 8. Deed of Easement by Jim Jacobs and Afo Jean Jacobs, husband and wife to Lora Jacobs, dated 8/4/2008 recorded 11/3/2008 in book 244 page 669. **DOES NOT AFFECT the subject property.**

Item 9. Lease Agreement between Jim Jacobs and Afo Jean Jacobs, husband and wife and TV Service, Inc., and Thacker-Grigsby Telephone Company, Inc. dated 8/21/1991 recorded 1/15/1992 in book 43 page 529. **Affects the southernmost portions of the parent tract, and is shown hereon, but DOES NOT AFFECT the Proposed Lease Area, nor the Proposed 30' Access & Utility Easement.**

Item 10. Memorandum of Lease between Afo Jean Jacobs, unmarried and New Cingular Wireless PCS, LLC dated 11/19/2013 recorded 1/27/2014 in book 77 page 346. **Affects the subject property, and is shown hereon as Proposed Lease Area, and Proposed 30' Access & Utility Easement.**

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LOUISVILLE, KENTUCKY 40220
PHONE: (502) 459-8402
FAX: (502) 459-8427



SITE NAME:		ALICE LLOYD
SITE NUMBER:		KYALU6157
SITE ADDRESS:		490 JACOBS RIDGE RD PIPPA PASSES, KY 41844
AREA:		4,000 SF
PROPERTY OWNER:		AFO JEAN JACOBS P.O. BOX 92 PIPPA PASSES, KY 41844
TAX MAP #:	N/A	PARCEL NUMBER: 70-00-00-008.00
SOURCE OF TITLE:		DEED BOOK 267 PAGE 416
LATITUDE:	N 37° 20' 33.171"	LONGITUDE: W 82° 53' 00.004"

NO.	BY	DESCRIPTION	PVA DATA	DATE	CHK	PGH
1	BW	UPDATE		01/12/16		

TITLE:
COMMUNICATIONS
SITE SURVEY

SHEET:
C-2A

SITE PLAN NOTES

1. THE PROPOSED DEVELOPMENT IS FOR A 255 FOOT SELF-SUPPORT TOWER AND MULTIPLE EQUIPMENT LOCATIONS. THE LOCATION IS 490 JACOBS RIDGE ROAD PIPPA PASSES, KY 41844.
2. THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZE DRIVE FROM AN EXISTING ASPHALT ROADWAY (JACOBS RIDGE RD) WHICH IS A PUBLIC RIGHT-OF-WAY. THE ACCESS ROAD IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL HIGHWAY DEPARTMENT OF TRANSPORTATION STANDARDS. WATER, SANITARY SEWER AND WASTE COLLECTIONS SERVICES ARE NOT REQUIRED FOR THE PROPOSED DEVELOPMENT.
3. CENTERLINE OF PROPOSED TOWER GEOGRAPHIC LOCATIONS
 LATITUDE: 37° 20' 33.171" N
 LONGITUDE: 82° 53' 00.004" W
4. REMOVE ALL VEGETATION & CLEAN LEASE AREA (WHERE REQUIRED)
5. FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE WITH A SLOPE OF NO LESS THAN ONE EIGHTH INCH (1/8") PER FOOT FLOWING AWAY FROM EQUIPMENT FOR A MINIMUM DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS.
6. LOCATE ALL U.G. UTILITIES PRIOR TO ANY CONSTRUCTION.
7. COMPOUND FINISHED SURFACE TO BE FENCED.

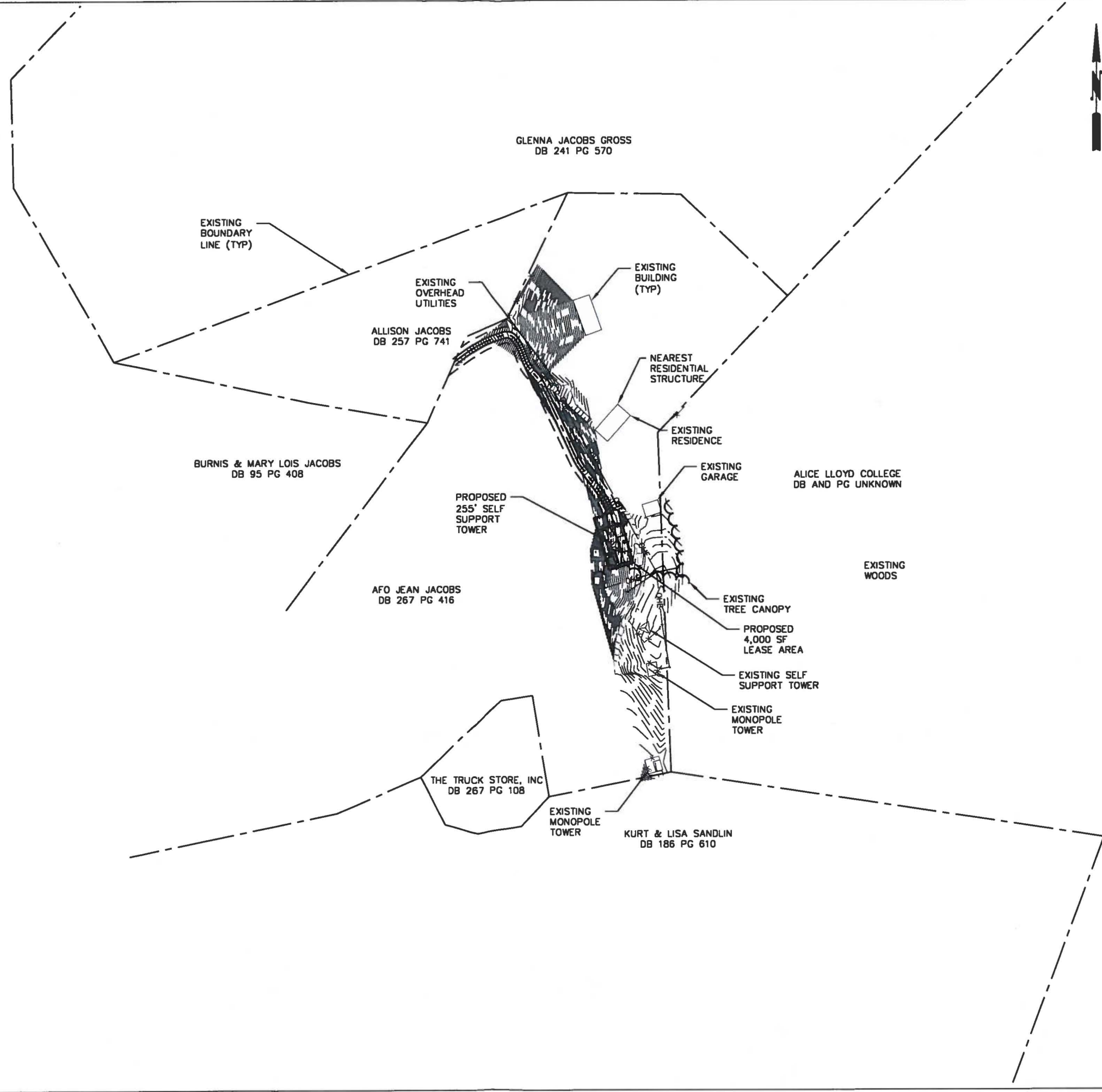
LEGEND

- OHE — EXISTING OVERHEAD ELECTRIC
- OHT — EXISTING OVERHEAD TELEPHONE
- UGE — EXISTING UNDERGROUND ELECTRIC
- UGT — EXISTING UNDERGROUND TELEPHONE
- UGE — PROPOSED UNDERGROUND ELECTRIC
- UGT — PROPOSED UNDERGROUND TELEPHONE
- x - x - FENCE LINE
- — POWER POLE
- TELE. PED. TELEPHONE PEDESTAL
- — WATER VALVES
- — FIRE HYDRANTS
- BOLLARDS

UNDERGROUND UTILITIES

CALL 2 WORKING DAYS
BEFORE YOU DIG
 INDIANA 1-800-382-5544
 KENTUCKY 1-800-752-6007
 OR DIAL 811
 UTILITIES PROTECTION SERVICE
 NON-MEMBERS MUST CALL DIRECTLY

GRAPHIC SCALE



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 3001 AYLER SPRINGS DRIVE
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STATE OF KENTUCKY
 2-3-16
 PHILIP G. HEID
 29820
 LICENSED PROFESSIONAL ENGINEER
Philip Heid

SITE NAME: ALICE LLOYD

SITE NUMBER: KYALU6157

SITE ADDRESS: 490 JACOBS RIDGE RD
 PIPPA PASSES, KY 41844

AREA: 4,000 SF

PROPERTY OWNER: AFO JEAN JACOBS
 P.O. BOX 92
 PIPPA PASSES, KY 41844

TAX MAP #: N/A PARCEL NUMBER: 70-00-00-008.00

SOURCE OF TITLE: DEED BOOK 267 PAGE 416

LATITUDE: N 37° 20' 33.171" LONGITUDE: W 82° 53' 00.004"

NO.	BY	DESCRIPTION	REVISIONS		
			CHK	DATE	PGH
1	KTL	ISSUE FOR COMMENT	01/27/16	PGH	
2	JTL	ISSUE FOR COMMENT	02/03/16	PGH	
3	JTL	ISSUE FOR ZONING	02/03/16	PGH	

TITLE: **OVERALL SITE PLAN**

SHEET: **Z-2**

SITE PLAN NOTES

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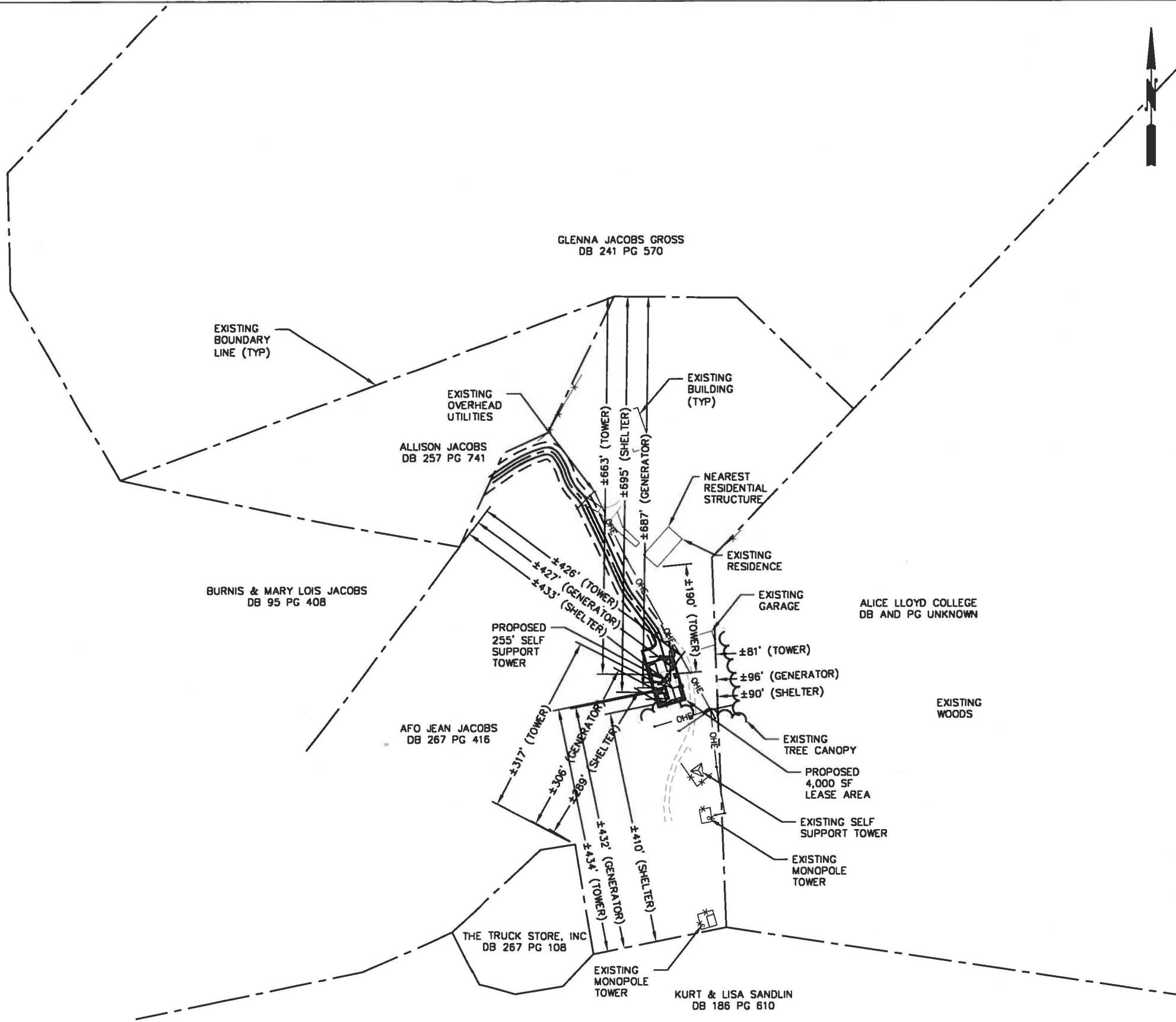
LEGEND

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TITLE:
OVERALL SITE PLAN (DIMENSIONS)

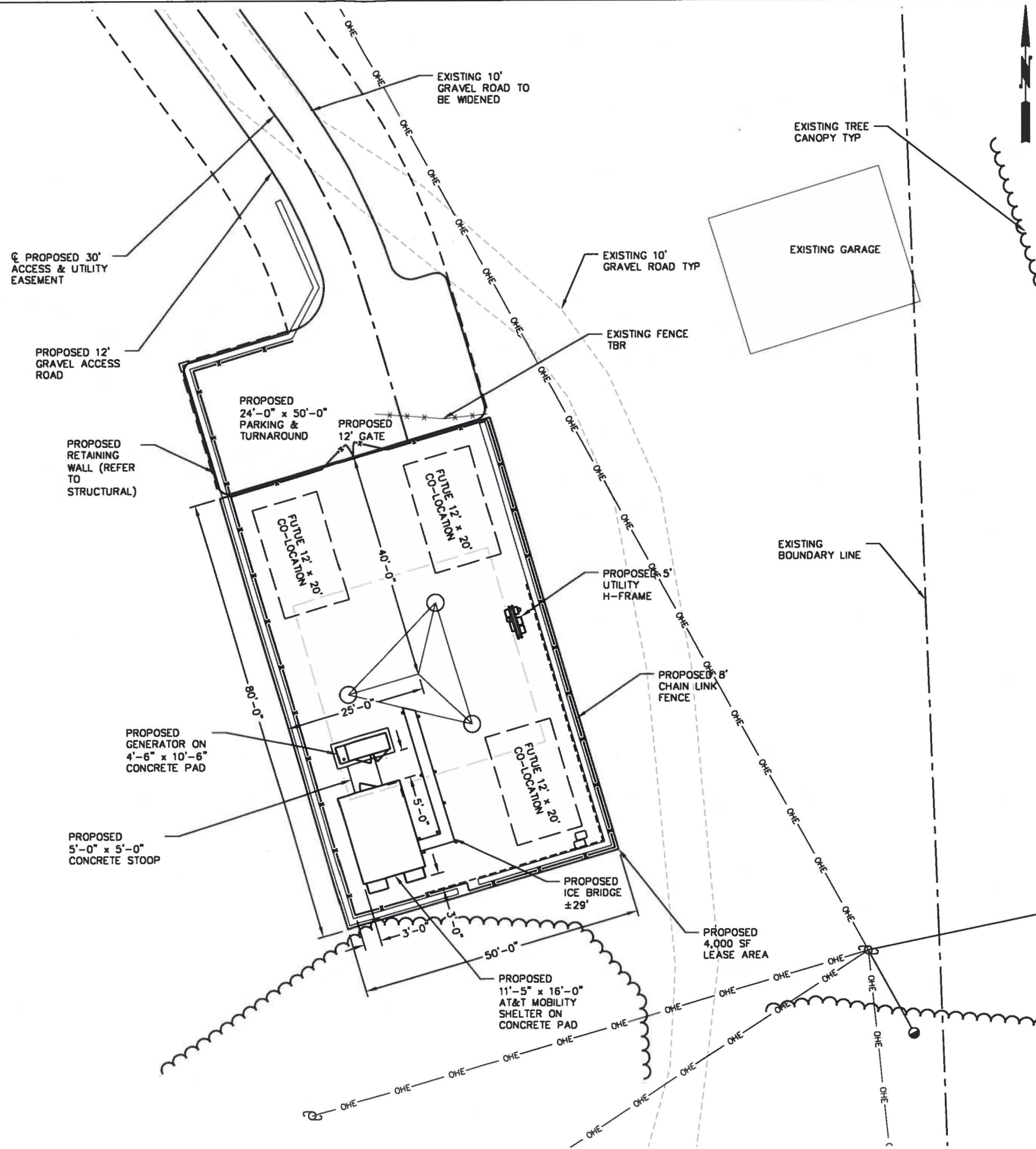
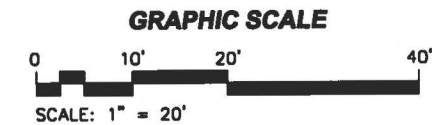
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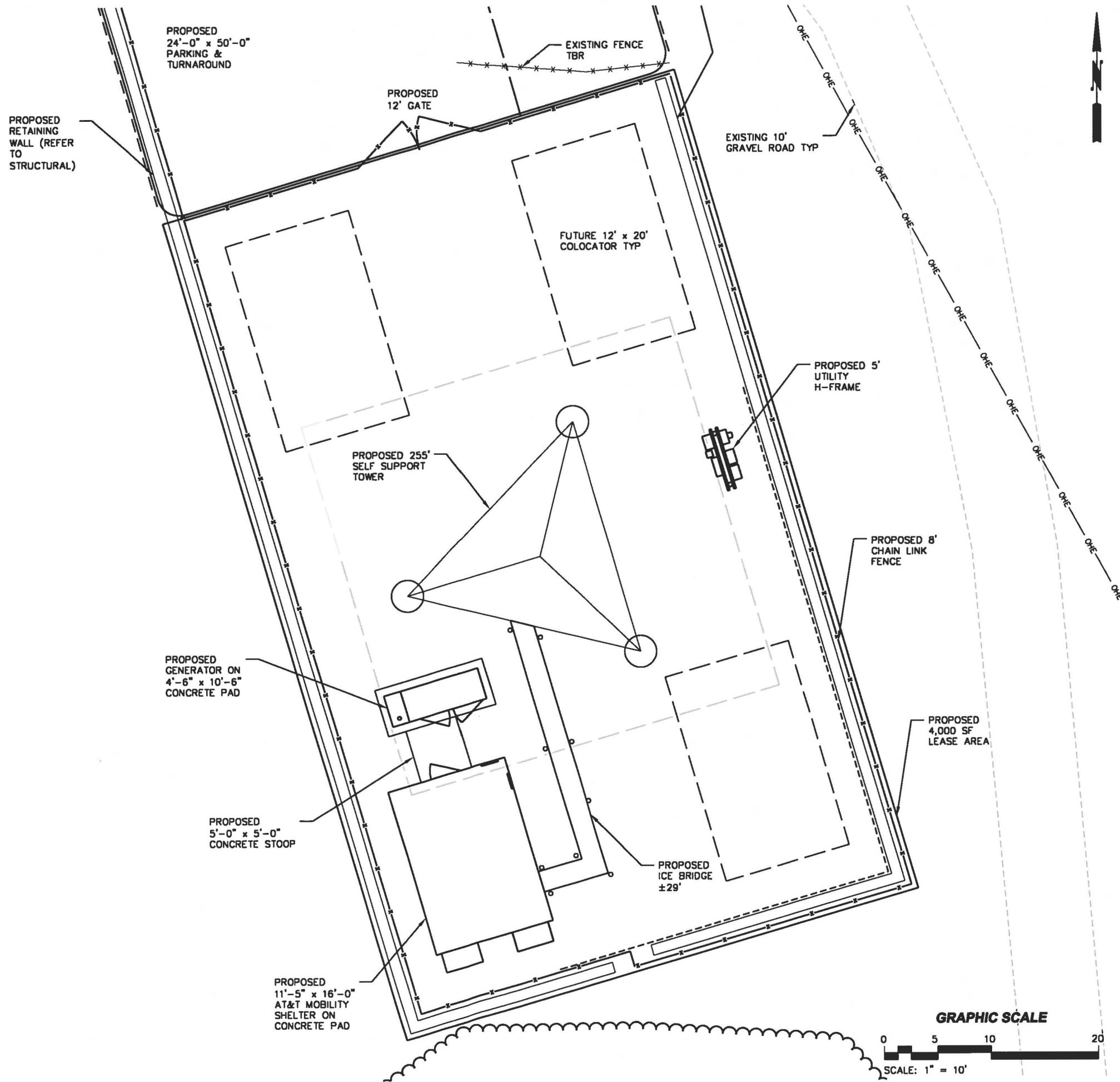
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TITLE: **SITE LAYOUT**

SHEET: **Z-3**



LEGEND

- E— EXISTING OVERHEAD ELECTRIC
- T— EXISTING OVERHEAD TELEPHONE
- UE— EXISTING UNDERGROUND ELECTRIC
- UT— EXISTING UNDERGROUND TELEPHONE
- -UE- -UE- PROPOSED UNDERGROUND ELECTRIC
- -UT- -UT- PROPOSED UNDERGROUND TELEPHONE
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- TELE. PED.
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GRAPHIC SCALE



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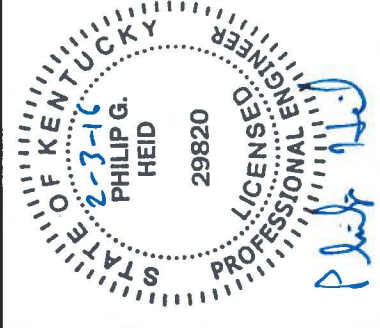
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LONGITUDE:	W 82° 53' 00.004"

NO.	BY	DESCRIPTION	CHK	DATE	PCH	PCH	PCH
			01/27/16	02/03/16	02/03/16	PCH	
1	KTL	ISSUE FOR COMMENT					
2	JTL	ISSUE FOR COMMENT					
3	JTL	ISSUE FOR ZONING					

TITLE:
AT&T SHELTER LAYOUT

SHEET:
Z-4

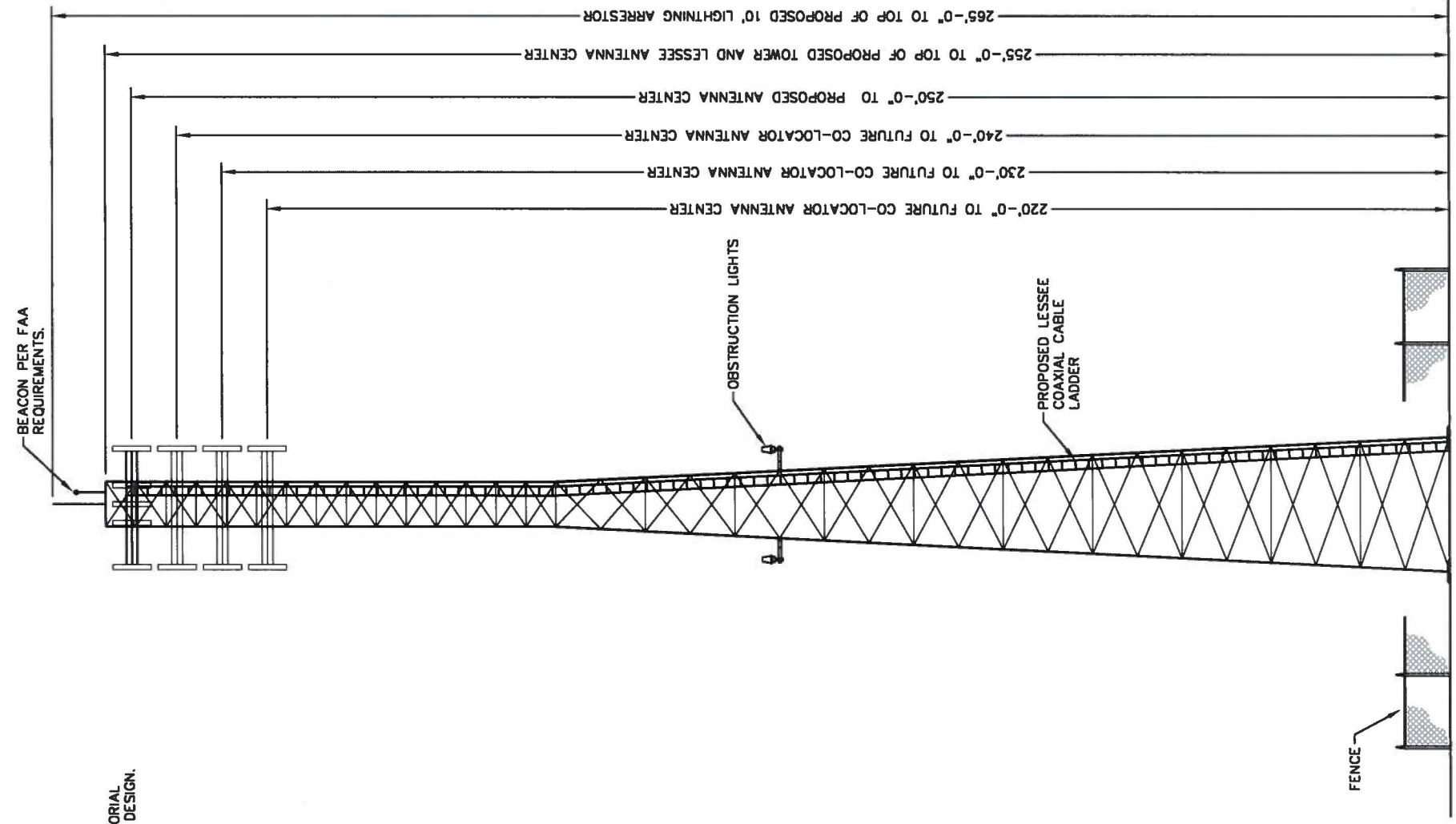


SITE NAME: ALICE LLOYD
 SITE NUMBER: KYALU6157
 SITE ADDRESS: 490 JACOBS RIDGE RD
 PIPPA PASSES, KY 41844
 AREA: 4,000 SF
 PROPERTY OWNER: AFO JEAN JACOBS
 P.O. BOX 92
 PIPPA PASSES, KY 41844
 TAX MAP #: N/A
 PARCEL NUMBER: 70-00-00-008.00
 SOURCE OF TITLE: DEED BOOK 267 PAGE 416
 LATITUDE: N 37° 20' 33.171" W 82° 53' 00.004"
 LONGITUDE: DEED BOOK 267 PAGE 416

NO.	BY	DESCRIPTION	DATE
1	KTL	ISSUE FOR COMMENT	01/27/16
2	JTL	ISSUE FOR COMMENT	02/03/16
3	JTL	ISSUE FOR ZONING	02/03/16

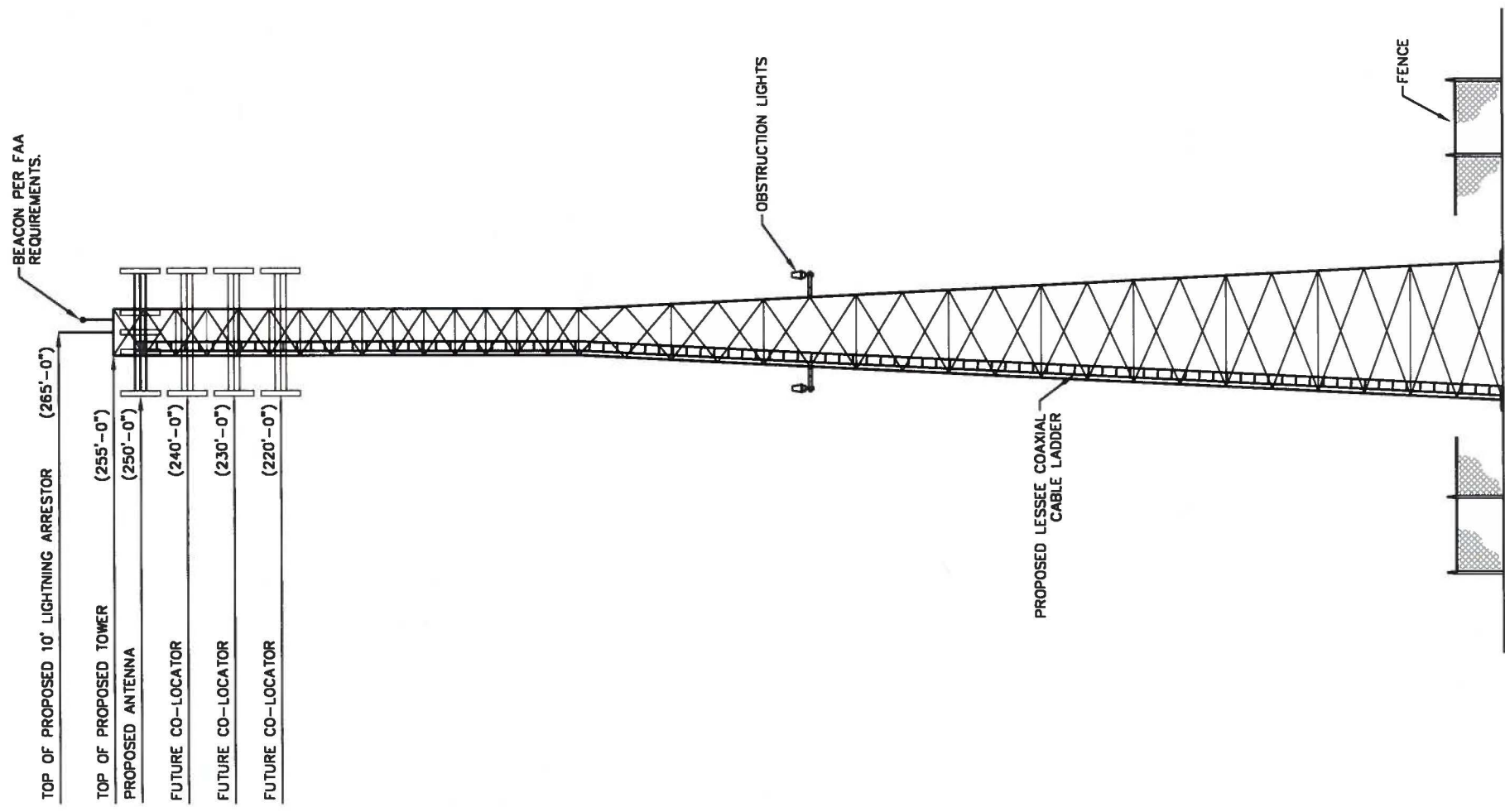
TITLE: NORTH/SOUTH TOWER ELEVATIONS

SHEET: Z-5

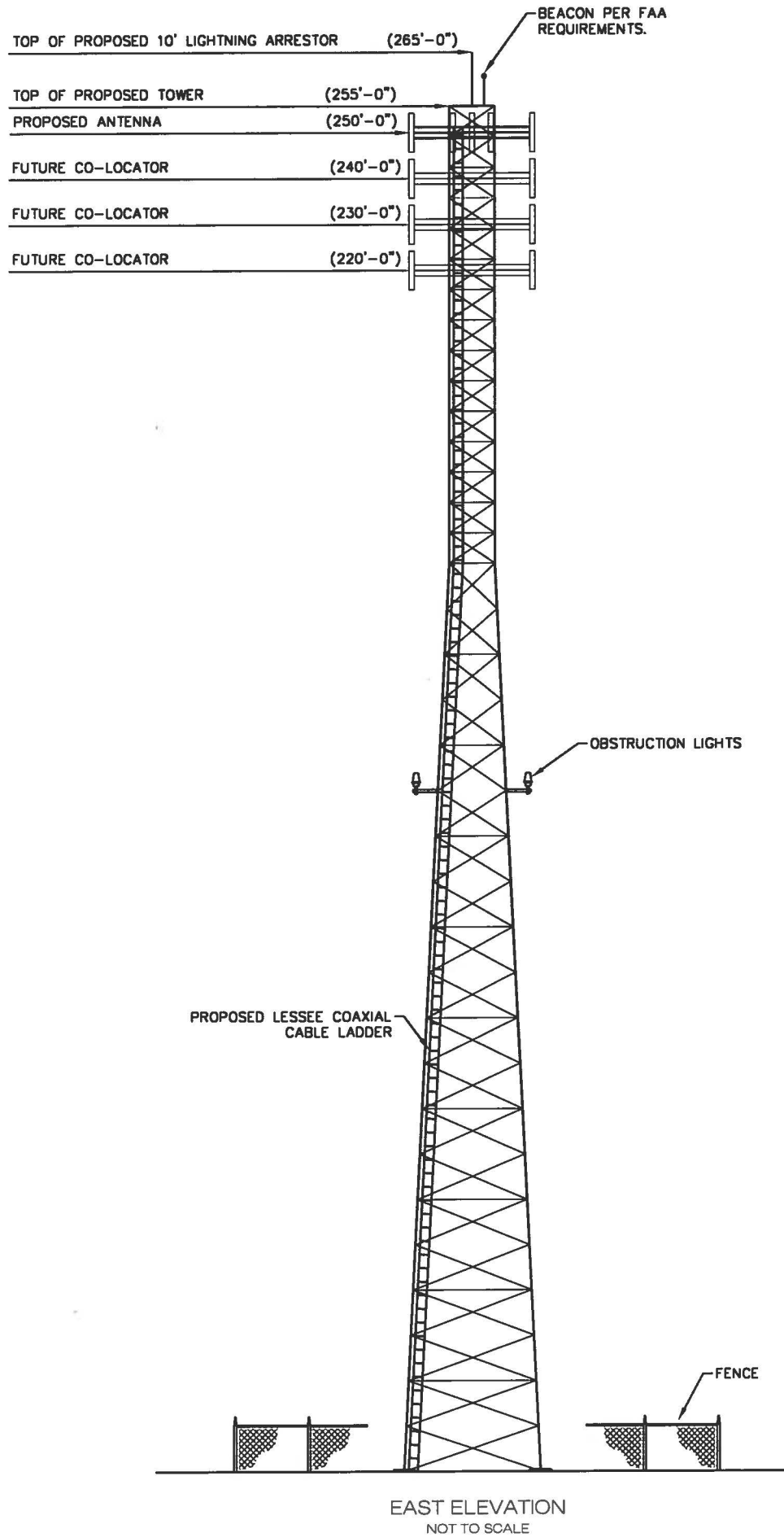


SOUTH ELEVATION
NOT TO SCALE

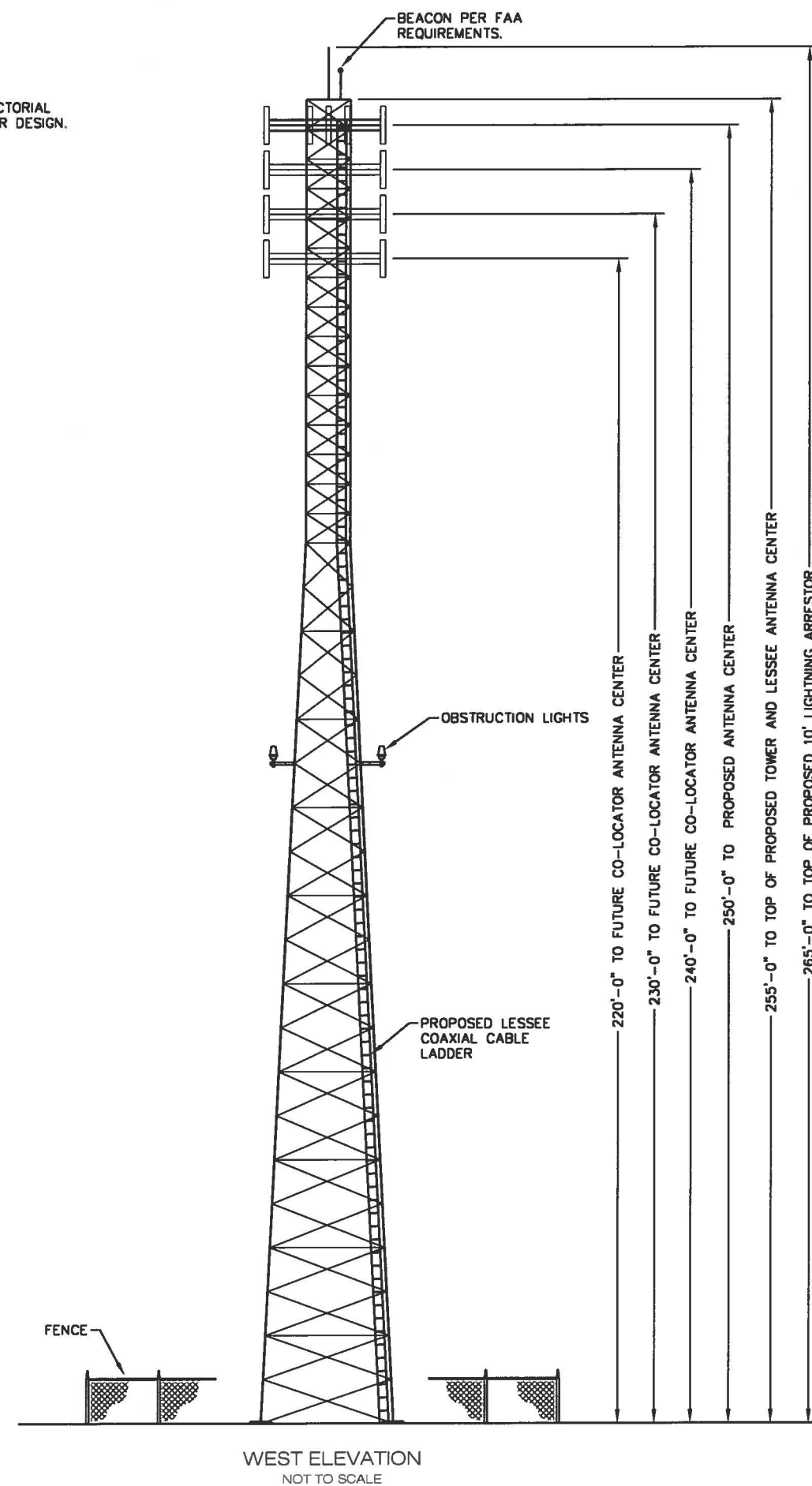
NOTE:
 THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR PICTORIAL PURPOSES ONLY. REFER TO TOWER PLANS FOR TOWER DESIGN.



NORTH ELEVATION
NOT TO SCALE



NOTE:
THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR PICTORIAL PURPOSES ONLY. REFER TO TOWER PLANS FOR TOWER DESIGN.



Mastec

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STATE OF KENTUCKY
2-3-16
PHILIP G. HEID
29820
LICENSED PROFESSIONAL ENGINEER
Philip Heid

SITE NAME: ALICE LLOYD

SITE NUMBER: KYALU6157

SITE ADDRESS: 490 JACOBS RIDGE RD
PIPPA PASSES, KY 41844

AREA: 4,000 SF

PROPERTY OWNER: AFO JEAN JACOBS
P.O. BOX 92
PIPPA PASSES, KY 41844

TAX MAP #: N/A PARCEL NUMBER: 70-00-00-008.00

SOURCE OF TITLE: DEED BOOK 267 PAGE 416

LATITUDE: N 37° 20' 33.171" LONGITUDE: W 82° 53' 00.004"

REVISIONS		CHK	DATE	PGH
NO.	BY DESCRIPTION			
1	KTL ISSUE FOR COMMENT		01/27/16	PGH
2	JTL ISSUE FOR COMMENT		02/03/16	PGH
3	JTL ISSUE FOR ZONING		02/03/16	PGH

TITLE: EAST/WEST TOWER ELEVATIONS

SHEET: Z-6

EXHIBIT C
TOWER AND FOUNDATION DESIGN



STRUCTURES

January 10, 2014

Westtower Communications

Attn: John Boud

SUBJECT: Valmont File # 243491
Model V-27.0 X 255' Self Supporting Tower
Site Name: Alice Lloyd -(AL6157), KY

Thank you for your inquiry concerning tower design codes and practices as they relate to your requested tower designs.

Valmont Structures has been designing and building guyed and self-supporting towers and monopoles since the early 1950's. During this time, we have sold thousands of towers ranging in height from as little as 50' high to in excess of 1400'. These towers were individually engineered to accommodate the loading requirements imparted by the design wind speed, ice considerations, antenna loading, and other factors dictated by the national code requirements existing at the time the tower was built.

The ANSI/TIA-222-G Standard represents the latest refinement of specific minimum requirements for tower engineers and manufacturers to follow to help assure that the tower structure and its foundations are designed to meet the most realistic conditions for local weather while assuring that the tower is designed to stringent factors of safety. This tower is designed to 90 MPH (no ice) and 30 MPH (1/2" ice) per ANSI/TIA-222-G with Class II, Topographical category 1, Exposure criteria C and a Crest height of 0 feet.

We are aware of few documented instances of a self supporting tower or monopole failure. Self supporting towers and monopoles can be designed such that the most common mode of failure is in the upper middle region of the tower, with the upper portion of the tower remaining connected and "bending and bowing over" against the base of the tower or pole. The fact that the wind is normally greater on the upper portion of the structure contributes to the likelihood of this type of failure. This particular Tower has a theoretical failure at the tower midpoint or above. The predicted mode of wind induced failure would be a buckling of the tower legs at or above the tower midpoint with the top sections of the tower folding over on to the intact base sections. This would then affect a "zero fall zone" at ground level.

Including myself, our site has three licensed Professional Engineers covering a total of 49 states. Valmont Structures is an AISC approved shop. All Valmont Structures welders are AWS and CWB qualified. Our total design, engineer and build process has been quality audited by our customers including public utilities, telephone companies, government agencies, and of course AISC.

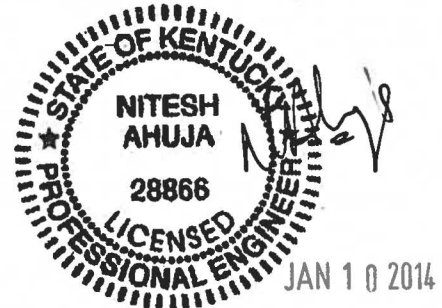
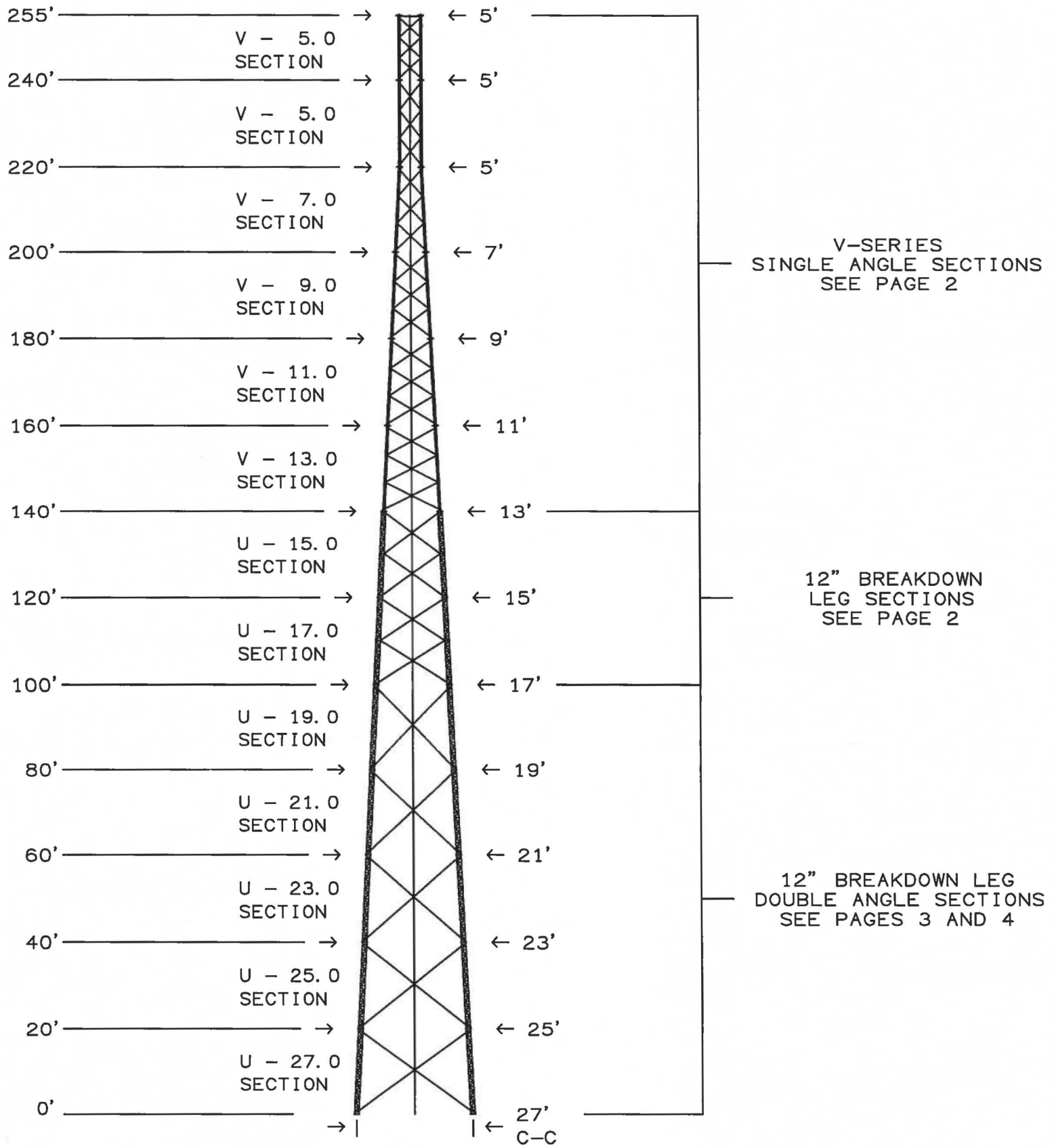
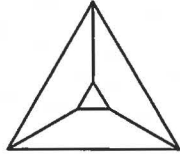
We trust the above and the attached will be helpful to you. If you should need anything else, please let us know at your convenience.

Sincerely,

Nitesh Ahuja, P.E.
Senior Engineer
Ext. #5257



Communications Division, Valmont Industries, Inc.
1545 Pidco Drive Plymouth, Indiana 46563-4005 USA
574-936-4221 Fax 574-936-6796 www.valmont.com



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
ALICE LLOYD AL6157, KY
V-27.0 X 255'

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V-SERIES LEG SECTION DATA 140' - 255' ELEVATION

SECTION		LEG										DIAGONAL BRACE					HOR			
#	LENGTH	* WEIGHT	NOM SIZE	WALL	GRADE	CLIMBING		NON-CLIMB		CONNECT BOLT+		PART NUMBER **			ANGLE		CONNECT BOLT		CENTER SPACER	QTY
						QTY	PART#	QTY	PART#	DIAM	LENGTH	#1	#2	#3	FACE	THICK	DIAM	LENGTH		
V- 5.0	15'	734#	2-1/2"	0.203	A572-50	1	226169	2	226170	3/4"	3-1/2"	227077	227077	227077	2"	1/8"	3/4"	2-1/4"	116467	1
V- 5.0	20'	1285#	4"	0.237	A572-50	1	226184	2	226185	3/4"	3-1/2"	227113	227113	227113	2"	3/16"	3/4"	2-1/4"	116467	
V- 7.0	20'	1609#	5"	0.258	A572-50	1	226200	2	226201	3/4"	3-1/2"	226190	226189	231342	2"	3/16"	3/4"	2-1/4"	116467	
V- 9.0	20'	1752#	5"	0.258	A572-50	3	226192			3/4"	3-1/2"	226196	226195	231344	2"	3/16"	3/4"	2-1/4"	116467	
V-11.0	20'	2200#	6"	0.280	A572-50	3	226206			3/4"	3-1/2"	225038	225037	231347	2-1/2"	3/16"	3/4"	2-1/4"	116467	
V-13.0	20'	2490#	6"	0.280	A572-50	3	229377			1"	4-3/4"	227341	226209	231349	2-1/2"	3/16"	3/4"	2-1/4"	116467	

+ AT BOTTOM OF SECTION
 * THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.
 ** PANELS ARE NUMBERED BEGINNING AT THE TOP OF THE SECTION.

HORIZONTAL DATA

HORIZ HT	IN SEC#	HORIZ PART#
255	V- 5.0	227584

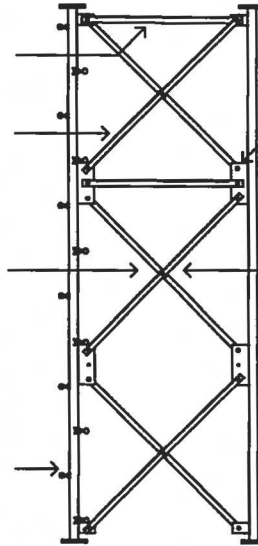
TYPICAL V-SERIES SECTION ASSEMBLY 140' - 255' ELEVATION

HORIZONTALS AS REQUIRED. SEE TABLE TO LEFT FOR ELEVATION AND PART #.

DIAGONAL BRACE - SEE TABLE ABOVE FOR PART NUMBER.

DIAGONAL CENTER CONNECTION - 5/8" X 2-1/4" BOLT

LEG ASSEMBLY - SEE TABLE ABOVE FOR PART NUMBER.



DIAGONAL CONNECTION BOLT - SEE SECTION TABLE ABOVE FOR SIZE.

DIAGONAL CENTER SPACER - SEE TABLE ABOVE FOR PART NUMBER.

LEG CONNECTION - SEE TABLE ABOVE FOR BOLT SIZE.

BREAKDOWN SECTION DATA (12" LEG) 100' - 140' ELEVATION

SEC #	SECTION LENGTH	LEG SIZE	LEG PART#	TOP DIAG PART#	BOT DIAG PART#	DIAGONAL FACE	DIAGONAL THICK	SECTION WEIGHT	LEG CONNECT+ DIAM	LEG CONNECT+ LENGTH	DIAG CONNECT DIAM	DIAG CONNECT LENGTH
U-15.0	20'	1- 3/4"	229588	105579	105582	3"	3/16"	3128#	1"	4-3/4"	1"	2-1/4"
U-17.0	20'	1- 3/4"	229588	105588	127611	3"	5/16"	3710#	1"	4-3/4"	1"	2-1/4"

* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.

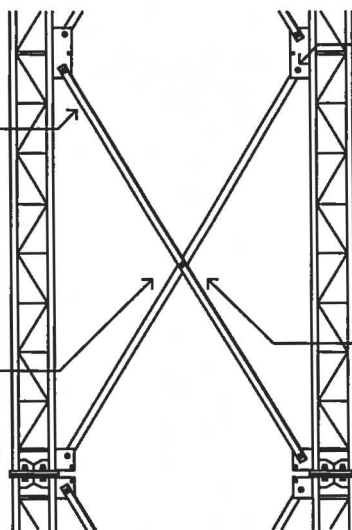
+ USE 1 FLAT WASHER UNDER EACH LOCK WASHER FOR LEG CONNECTION ONLY.

TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG) 100' - 140' ELEVATION

DIAGONAL BRACE - SEE TABLE ABOVE FOR PART NUMBER. USE A LOCK WASHER UNDER EACH PLAIN NUT FOR DIAGONAL CONNECTION ONLY. NO FLAT WASHER REQUIRED.

DIAGONAL CENTER CONNECTION IS 3/4" X 3" BOLT.

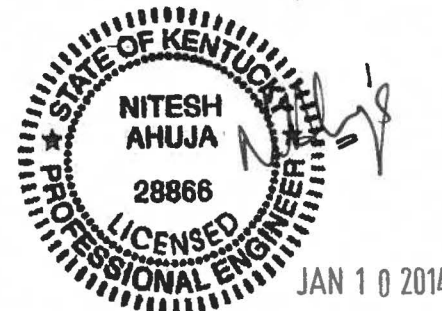
LEG ASSEMBLY - SEE TABLE ABOVE FOR PART NUMBER.



DIAGONAL CONNECTION BOLT - SEE SECTION TABLE ABOVE FOR SIZE.

USE SPACER PART # 104291 BETWEEN DIAGONAL ANGLES.

LEG CONNECTION - SEE TABLE ABOVE FOR BOLT SIZE. USE 1 FLAT WASHER AND 1 LOCK WASHER UNDER EACH PLAIN NUT FOR LEG CONNECTION.



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
 ALICE LLOYD AL6157, KY
 V-27.0 X 255'

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2 OF 10

BREAKDOWN SECTION LEG DATA (12" LEG WITH DOUBLE ANGLES) 0' - 100' ELEVATION

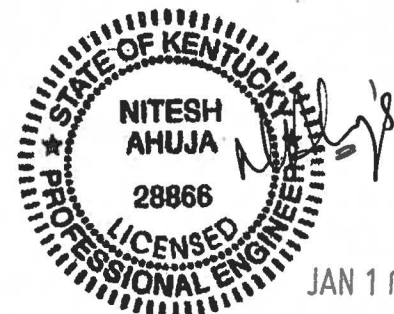
SECTION				LEG		LEG CONNECT @ BOTTOM+		
#	MODEL	LENGTH	WEIGHT*	SIZE	PART #	DIAM	LENGTH	#
5	U-19.0	20'	4069#	2 "	208332	1"	4-3/4"	12
4	U-21.0	20'	4741#	2- 1/4 "	208334	1"	4-3/4"	12
3	U-23.0	20'	4807#	2- 1/4 "	208334	1"	4-3/4"	12
2	U-25.0	20'	4876#	2- 1/4 "	208334	1"	4-3/4"	12
1	U-27.0	20'	5681#	2- 1/4 "	208334			

* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.
 + QTY IS PER LEG. USE 1 LOCK WASHER AND 1 FLAT WASHER UNDER EACH PLAIN NUT.

BREAKDOWN SECTION DIAGONAL DATA (12" LEG WITH DOUBLE ANGLES) 0' - 100' ELEVATION

SECTION		DIAGONAL PART #			DIAG ANGLE		DIAG END BOLT		DIAG CENTER & SPACER BOLT		CENTER PLATE	SPACER	
#	MODEL	UPPER	LOWER	LONG	FACE	THICK	DIAM	LENGTH	DIAM	LENGTH	PART #	PART #	#*
5	U-19.0	215288	215292	215364	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	7
4	U-21.0	215295	215299	215368	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8
3	U-23.0	215303	215307	215372	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8
2	U-25.0	215311	215315	215376	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8
1	U-27.0	215320	215324	215380	3-1/2"	1/4"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8

* QUANTITY IS PER PANEL PER FACE. USE 1 LOCK WASHER UNDER EACH PLAIN NUT.



Nitesh Ahuja, KY Professional Engineer #28866

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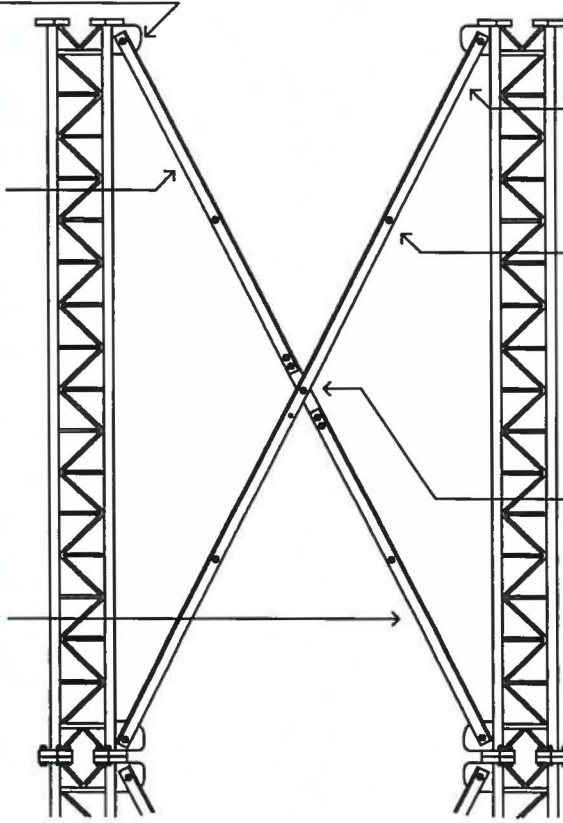
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TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG WITH DOUBLE ANGLES) 0' - 100' ELEVATION

DIAGONAL END BOLTS - SEE DIAGONAL TABLE ON PAGE 3 FOR SIZE. NO FLAT WASHER REQUIRED.

"UPPER" DIAGONAL BRACES (BACK TO BACK ANGLES) - SEE TABLE ON PG. 3 FOR PART #.

"LOWER" DIAGONAL BRACES (BACK TO BACK ANGLES) - SEE TABLE ON PG. 3 FOR PART #.



"LONG" DIAGONAL BRACE (BACK TO BACK ANGLES) - SEE TABLE ON PG. 3 FOR PART #.

INTERMEDIATE DIAGONAL BOLTS WITH SPACER - SEE TABLE ON PG. 3 FOR SIZE, SPACER PART # AND NUMBER OF LOCATIONS PER PANEL ON EACH FACE. USE 1 SPACER PER BOLT. SEE DRAWING # 214823 FOR DETAILS.

DIAGONAL CENTER PLATE - SEE DIAGONAL TABLE ON PAGE 3 FOR PART # AND BOLT SIZE.

LEG CONNECTION - SEE TABLE ON PAGE 3 FOR BOLT SIZE. USE 1 LOCK WASHER AND 1 FLAT WASHER UNDER EACH PLAIN NUT FOR LEG CONNECTION.

ATTENTION ERECTOR:

- EXTRA CARE MUST BE TAKEN WHEN STANDING BREAKDOWN LEG SECTIONS FROM A FLAT "ASSEMBLY" POSITION ON THE GROUND TO AN UPRIGHT POSITION FOR STACKING. POOR RIGGING AND/OR LIFTING PROCEDURES MAY DAMAGE THE ANGLE BRACES AND/OR BREAKDOWN LEGS. IT IS THE RESPONSIBILITY OF THE TOWER CONTRACTOR TO ENSURE BREAKDOWN LEGS AND ANGLES ARE NOT DAMAGED DURING THE TOWER ASSEMBLY AND ERECTION.
- WHEN LIFTING ("FLYING") SINGLE PANEL TOWER SECTIONS TO PLACE THEM ON PREVIOUSLY ERECTED SECTIONS, A MINIMUM OF TWO (2) FULL SECTIONS (TYPICALLY 40') MUST BE ASSEMBLED TOGETHER TO PROVIDE ADEQUATE STABILITY TO THE TOWER LEGS AND ANGLE BRACES. IT IS THE RESPONSIBILITY OF THE TOWER CONTRACTOR TO ENSURE BREAKDOWN LEGS AND ANGLES ARE NOT DAMAGED DURING THE TOWER ASSEMBLY AND ERECTION.



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
ALICE LLOYD AL6157, KY
V-27.0 X 255'

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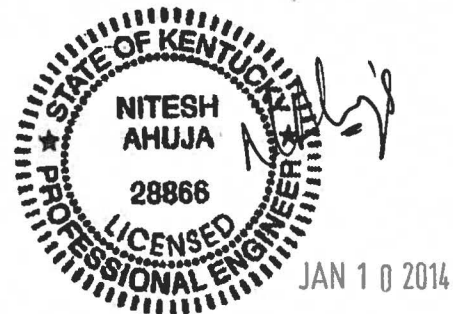
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GENERAL NOTES

1. TOWER DESIGN CONFORMS TO STANDARD TIA-222-G UTILIZING AN 90 MPH 3-SEC GUST BASIC WIND SPEED WITH A STRUCTURE CLASS OF II, TOPOGRAPHIC CATEGORY OF 1 AND EXPOSURE C CRITERIA WITH NO ICE.
TOWER DESIGN CONFORMS TO STANDARD TIA-222-G UTILIZING AN 30 MPH 3-SEC GUST BASIC WIND SPEED WITH A STRUCTURE CLASS OF II, TOPOGRAPHIC CATEGORY OF 1 AND EXPOSURE C CRITERIA WITH .5" RADIAL ICE.
 2. NO TWIST AND SWAY LIMITATIONS SPECIFIED OR USED FOR THIS TOWER.
 3. MATERIAL: (A) SOLID RODS TO ASTM A572 GRADE 50. (B) ANGLES TO ASTM A36. (C) PIPE TO ASTM A500 GRADE B. (D) STEEL PLATES TO ASTM A36. (E) CONNECTION BOLTS TO ASTM A325 OR ASTM A449 (Fu=120 KSI AND Fy=92 KSI) AND ANCHOR BOLTS TO ASTM F1554 (Fu=150 KSI AND Fy=105 KSI). (F) TOWER LEG PIPE TO BE ASTM A500 GRADE B/C WITH 50KSI MIN. YIELD STRENGTH
 4. BASE REACTIONS PER TIA-222-G FOR 90 MPH BASIC WIND SPEED WITH NO ICE (REACTIONS INCLUDE TIA-222-G LOAD FACTORS): TOTAL WEIGHT = 68.0 KIPS. MAXIMUM COMPRESSION = 432.0 KIPS PER LEG. MOMENT = 9578.0 KIP-FT. MAXIMUM UPLIFT = 378.0 KIPS PER LEG. MAXIMUM SHEAR = 65.0 KIPS TOTAL.
 5. BASE REACTIONS PER TIA-222-G FOR 30 MPH BASIC WIND SPEED WITH 0.50" RADIAL ICE (REACTIONS INCLUDE TIA-222-G LOAD FACTORS): TOTAL WEIGHT = 169.0 KIPS. MOMENT = 1092.0 KIP-FT. MAXIMUM SHEAR = 7.0 KIPS TOTAL.
 6. FINISH: ALL BOLTS ARE GALVANIZED IN ACCORDANCE WITH ASTM A153 (HOT DIPPED) OR ASTM B695 CLASS 50 (MECHANICAL). ALL OTHER STRUCTURAL MATERIALS ARE GALVANIZED IN ACCORDANCE WITH ASTM 123.
 7. ANTENNAS: 250' -(3) SBNH-1D8585C, (3) SBNH-1D8585C (ANDREW PANELS), (9) ERICSSON RRU11, (3) ANDREW E15Z01P13, (3) RAYCAP DC6-48-60-18-F AND (3) RAYCAP DC2-48-60-0-9F WITH (12) 1-5/8" AND (2) 1/2" LINES ASSUMED
240' -(3) SBNH-1D8585C, (3) SBNH-1D8585C (ANDREW PANELS), (9) ERICSSON RRU11, (3) ANDREW E15Z01P13, (3) RAYCAP DC6-48-60-18-F AND (3) RAYCAP DC2-48-60-0-9F WITH (12) 1-5/8" AND (2) 1/2" LINES ASSUMED
230' -(3) SBNH-1D8585C, (3) SBNH-1D8585C (ANDREW PANELS), (9) ERICSSON RRU11, (3) ANDREW E15Z01P13, (3) RAYCAP DC6-48-60-18-F AND (3) RAYCAP DC2-48-60-0-9F WITH (12) 1-5/8" AND (2) 1/2" LINES ASSUMED
220' -(3) SBNH-1D8585C, (3) SBNH-1D8585C (ANDREW PANELS), (9) ERICSSON RRU11, (3) ANDREW E15Z01P13, (3) RAYCAP DC6-48-60-18-F AND (3) RAYCAP DC2-48-60-0-9F WITH (12) 1-5/8" AND (2) 1/2" LINES ASSUMED
- NOTE: (A) ELEVATIONS ARE TO THE BOTTOM OF THE ANTENNAS EXCEPT FOR MICROWAVE DISHES, WHICH ARE TO THE CENTERLINE. (B) ALL TRANSMISSION LINES MUST BE PLACED ON PIROD SUPPLIED LINE BRACKETS.
8. REMOVE FOUNDATION TEMPLATE PRIOR TO ERECTING TOWER. INSTALL BASE SECTION WITH MINIMUM OF 2" CLEARANCE ABOVE CONCRETE. SEE BASE SECTION PLACEMENT PAGE FOR MORE INFORMATION. PACK NON-SHRINK STRUCTURAL GROUT UNDER BASE SECTION AFTER LEVELING TOWER.
 9. MIN. WELDS 5/16" UNLESS OTHERWISE SPECIFIED. ALL WELDING TO CONFORM TO AWS D1.1 SPECIFICATIONS .
 10. THIS DRAWING DOES NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, SEQUENCES AND PROCEDURES.
 11. ALL BOLTS AND NUTS MUST BE IN PLACE BEFORE THE ADJOINING SECTIONS ARE INSTALLED.
 12. ALL STRUCTURAL BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY AISC SPECIFICATION UNLESS OTHERWISE NOTED.
 13. ATTENTION TOWER ERECTOR: COAT ALL BOLT ASSEMBLIES THAT USE PIN LOCK NUTS WITH ZINC RICH COLD GALVANIZING COMPOUND AFTER FINAL TIGHTENING.
 14. TIA-222-G GROUNDING FOR TOWER.
 15. BASED ON THE LOADING LISTED ABOVE, THIS TOWER HAS A THEORETICAL FAILURE POINT AT TOWER MIDPOINT OR ABOVE FOR AN EFFECTIVE "ZERO FALL ZONE" AT GROUND LEVEL.

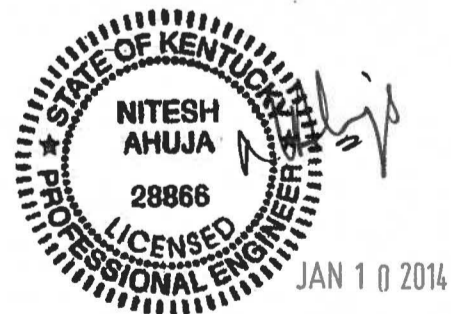


Nitesh Ahuja, KY Professional Engineer #28866

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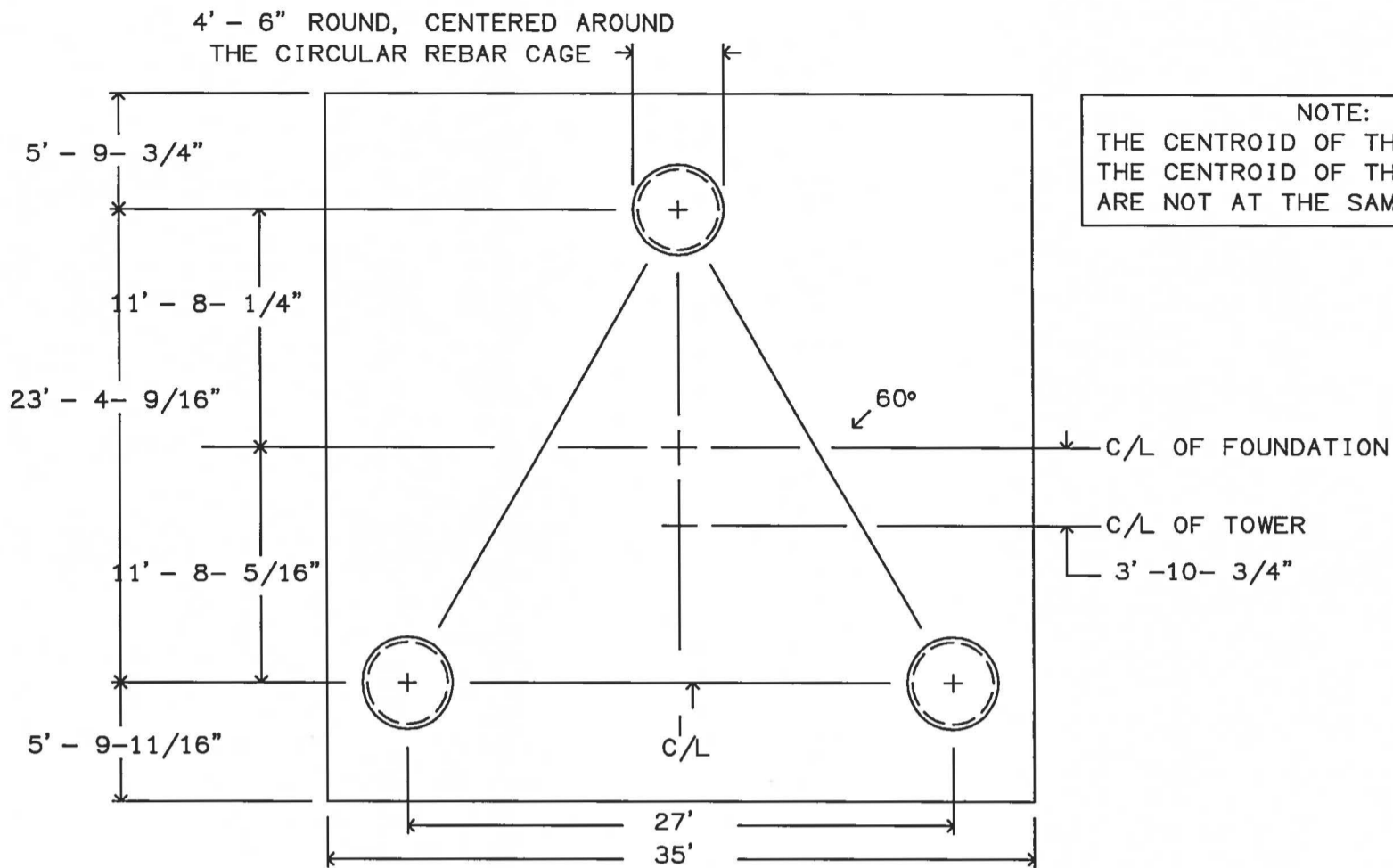
FOUNDATION NOTES

1. ULTIMATE SOIL PRESSURE ASSUMED TO BE 5000 PSF. ULTIMATE PASSIVE PRESSURE ASSUMED TO BE 450 LB PCF. THE PURCHASER & OWNER/CONTRACTOR MUST VERIFY THAT THE ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED THE ASSUMED SOIL PARAMETERS PER THIS NOTE AND/OR SHOULD OBTAIN A SOIL REPORT TO DETERMINE THE SOIL CONDITIONS AT THE SITE. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE ASSUMED SOIL PARAMETERS ARE NOT APPLICABLE FOR THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED.
2. CONCRETE TO BE 4000 PSI @ 28 DAYS. REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS. CONCRETE INSTALLATION TO CONFORM TO ACI-318 (2008) BUILDING REQUIREMENTS FOR REINFORCED CONCRETE. ALL CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH FREE OF WATER AND ALL FOREIGN OBJECTS AND MATERIALS. A MINIMUM OF THREE INCHES OF CONCRETE SHALL COVER ALL REINFORCEMENT. WELDING OF REBAR NOT PERMITTED.
3. A COLD JOINT IS PERMISSIBLE UPON CONSULTATION WITH PIROD. ALL COLD JOINTS SHALL BE COATED WITH BONDING AGENTS PRIOR TO SECOND POUR.
4. ALL FILL SHOULD BE PLACED IN LOOSE LEVEL LIFTS OF NO MORE THAN 12" THICK. FILL MATERIALS SHOULD BE CLEAN AND FREE OF ORGANIC AND FROZEN MATERIALS OR ANY OTHER DELETERIOUS MATERIALS. COMPACT FILL TO 97% OF STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698.
5. BENDING, STRAIGHTENING OR REALIGNING (HOT OR COLD) OF THE ANCHOR BOLTS BY ANY METHOD IS PROHIBITED.
6. CROWN TOP OF FOUNDATION FOR PROPER DRAINAGE.
7. IN THE ABSENCE OF A GEOTECHNICAL REPORT, THE FOLLOWING PRESUMPTIVE SOIL PARAMETERS WERE USED: AN ULTIMATE BEARING PRESSURE OF 5000 PSF, A COHESION OF 1000 PSF, A SOIL UNIT WEIGHT OF 110 PCF, AN ANGLE OF INTERNAL FRICTION OF 0 DEGREES AND NO GROUNDWATER ENCOUNTERED. THESE SOIL PARAMETERS ARE IN COMPLIANCE WITH THE REQUIREMENTS OF ANSI/TIA-222-G-2005 AND CAN BE FOUND IN ANNEX F OF THIS STANDARD.



Nitesh Ahuja, KY Professional Engineer #28866

		WESTOWER COMMUNICATIONS ALICE LLOYD AL6157, KY V-27.0 X 255'	
APPROVED/ENG.	SKK	1/10/2014	valmont 1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR STRUCTURES
APPROVED/FOUND.	M_S	1/10/2014	
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From: F1015874.DFT - 01/10/2014 08:19		ENG. FILE NO. A-243491-	252664
Printed from 252664_06@@.DWG - 01/10/2014 08:22 @ 01/10/2014 12:53		ARCHIVE F-1015874	PAGE 6 OF 10



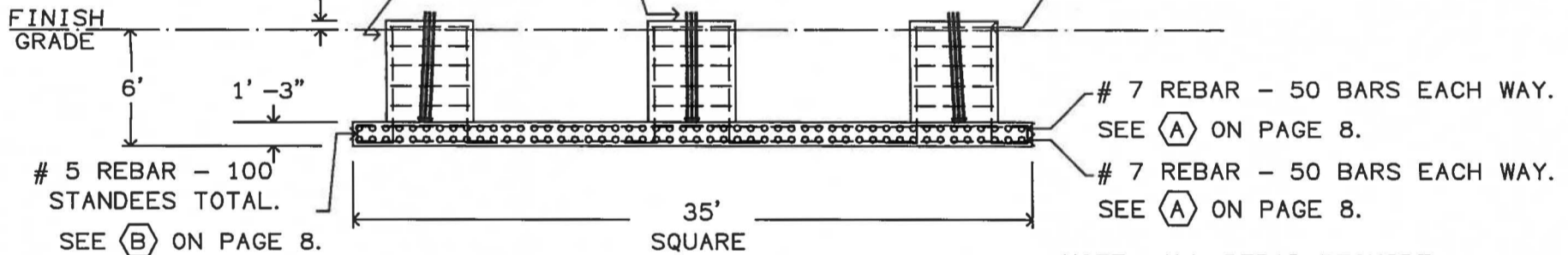
NOTE:
THE CENTROID OF THE TOWER AND THE CENTROID OF THE FOUNDATION ARE NOT AT THE SAME POINT!

NOTE: THE FOUNDATIONS DEPICTED ON THIS DRAWING WERE DESIGNED PER ASSUMED SOIL PARAMETERS. ALTHOUGH IT IS OUR EXPECTATION THAT THE SOIL WILL EXHIBIT SUFFICIENT STRENGTH TO COMPLY WITH THE ASSUMED STRENGTHS, IT IS POSSIBLE THAT THE SOIL MAY NOT EXHIBIT THE REQUIRED STRENGTHS. THEREFORE, IT IS HIGHLY RECOMMENDED THAT THE ASSUMED PROPERTIES BE CONFIRMED BY A GEOTECHNICAL ENGINEER VIA A SOIL REPORT OR AN ON-SITE INSPECTION DURING INSTALLATION.

7 VERTICAL REBAR - SEE (C) ON PAGE 8. 22 PIECES REQ. PER PIER, EQUALLY SPACED, TO BE PLACED INSIDE TIES.

FOR ANCHOR STEEL IDENTIFICATION AND PLACEMENT INFORMATION, SEE PAGE 9 OF THIS DRAWING. SEE PAGE 10 FOR BASE SECTION INSTALLATION DETAIL.

4 TIES - SEE (D) ON PAGE 8. 7 PIECES REQ. PER PIER



NOTE: ALL REBAR REQUIRES MIN. 3" CONCRETE COVERAGE

TOWER FOUNDATION

66.0 CUBIC YARDS CONCRETE REQUIRED FOR INSTALLATION SPECIFICATIONS AND ADDITIONAL INFORMATION, SEE PAGE 6 OF THIS DRAWING.



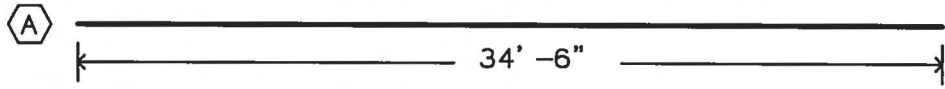
Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
ALICE LLOYD AL6157, KY
V-27.0 X 255'

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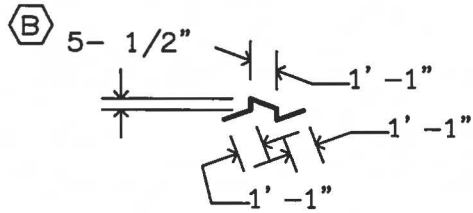
valmont STRUCTURES
1-877-467-4763 Plymouth, IN
1-888-880-9191 Salem, OR

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252664
PAGE

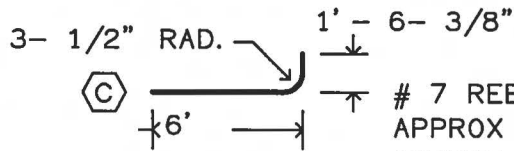


7 REBAR - 200 PIECES REQ. TOTAL
APPROX WT = 70.5# EACH, 14100# TOTAL

REBAR SUPPORTS MAY CONSIST OF ANY ACCEPTABLE MEANS OF SECURELY SUPPORTING THE TOP REINFORCEMENT GRID ABOVE THE BOTTOM REINFORCEMENT GRID WHILE MAINTAINING A SEPARATION OF 0' -9" (OUTSIDE REBAR TO OUTSIDE REBAR).



5 REBAR - 100 PIECES REQUIRED TOTAL
TYPE 26 STANDEE PLACED BETWEEN REBAR GRIDS ON NOMINAL 4' SPACING THROUGHOUT
APPROX UNBENT LENGTH = 4' - 3- 3/8"
APPROX WT = 4.5# EACH, 450# TOTAL



7 REBAR - 66 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 7' - 4- 7/8"
APPROX WT = 15.1# EACH, 997# TOTAL

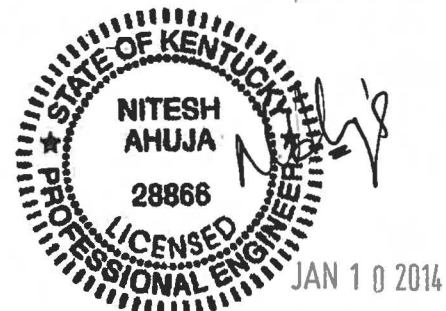


4 REBAR - 21 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 14' - 1- 3/8"
APPROX WT = 9.4# EACH, 197# TOTAL

LAP DIMENSION: 1' - 6- 1/2"
PLACE CIRCULAR TIES SO THAT LAPS ON ADJACENT TIES ARE 180 DEGREES APART. PLACE ONE TIE AT TOP OF PAD AND TWO TIES AT TOP OF PIER REBAR. EQUALLY SPACE REMAINING TIES ALONG PIER.

REBAR DETAIL

TOTAL APPROX REBAR WEIGHT = 15744#
REINFORCING BAR TO CONFORM TO
ASTM A615 GRADE 60 SPECIFICATIONS.



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
ALICE LLOYD AL6157, KY
V-27.0 X 255'

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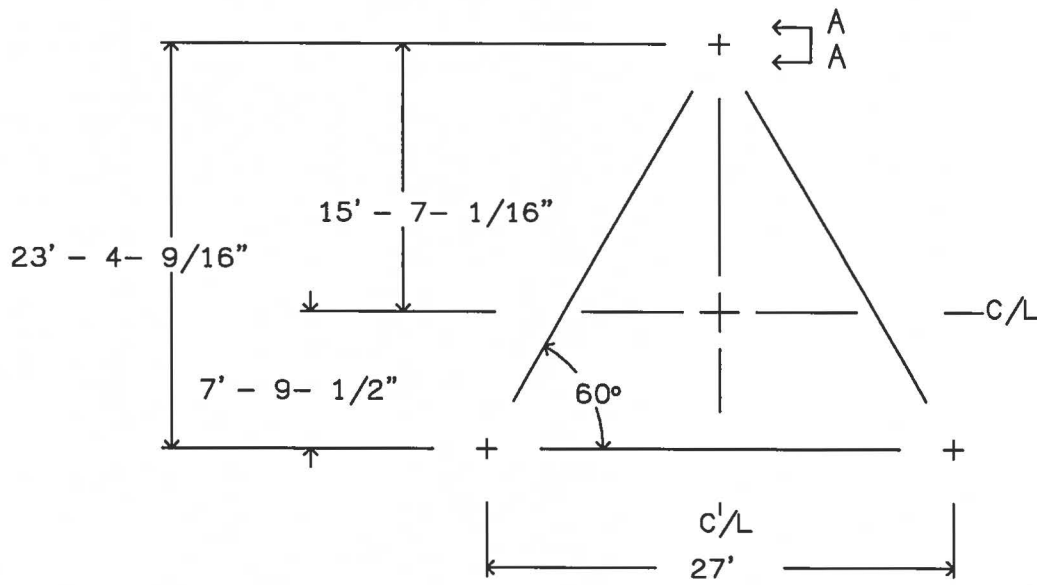


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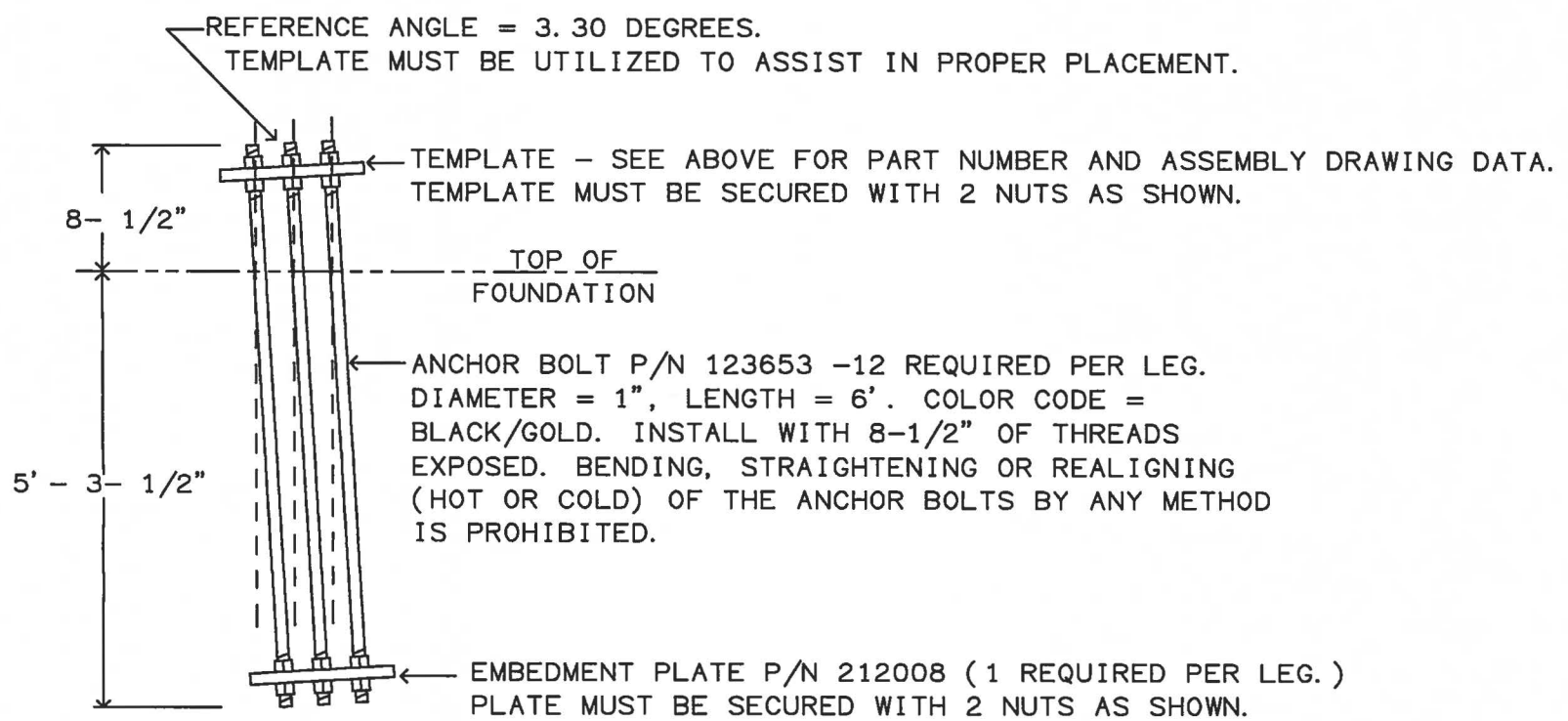
252664

TEMPLATE ASSEMBLY P/N 216152 INCLUDES CORNER PLATE P/N 211902, IS REQUIRED FOR INSTALLATION AND MUST BE PLACED AS SHOWN. SEE DRAWING # 211875 FOR TEMPLATE ASSEMBLY DETAILS. SEE PAGE 7 FOR TOWER C/L LOCATION RELATIVE TO THE FOUNDATION LAYOUT. TEMPLATE PLACEMENT +/- 3". EACH LEG MUST BE CENTERED IN PIER WITHIN +/- 10% OF PIER DIAMETER. TEMPLATE MUST BE LEVEL +/- 1 DEGREE. INSTALL TEMPLATE WITH SUFFICIENT SPACE BENEATH (2" MINIMUM) TO PERMIT FINISHING OF CONCRETE AND TO FACILITATE TEMPLATE REMOVAL PRIOR TO TOWER ERECTION.

SEE PAGE 10 FOR BASE SECTION INSTALLATION DETAIL.



TOWER ANCHOR STEEL PLACEMENT - TOP VIEW



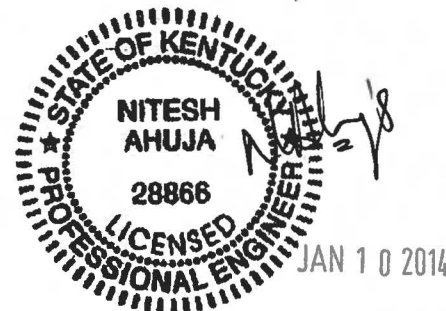
VIEW A - A - ANCHOR BOLT INSTALLATION DETAIL (NOT TO SCALE)

ATTENTION CONTRACTOR INSTALLING THE ANCHOR BOLTS!

1" DIAMETER ANCHOR BOLTS FOR TAPERED TOWER.

VERIFY THE PART NUMBERS AND SIZES FOR ALL COMPONENTS ON THIS PAGE AND PAGE 10.

IF THERE ARE ANY DISCREPANCIES, PLEASE NOTIFY PIROD, INC. PRIOR TO INSTALLATION!!



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
ALICE LLOYD AL6157, KY
V-27.0 X 255'

APPROVED/ENG. SKK 1/10/2014

APPROVED/FOUND. M_S 1/10/2014

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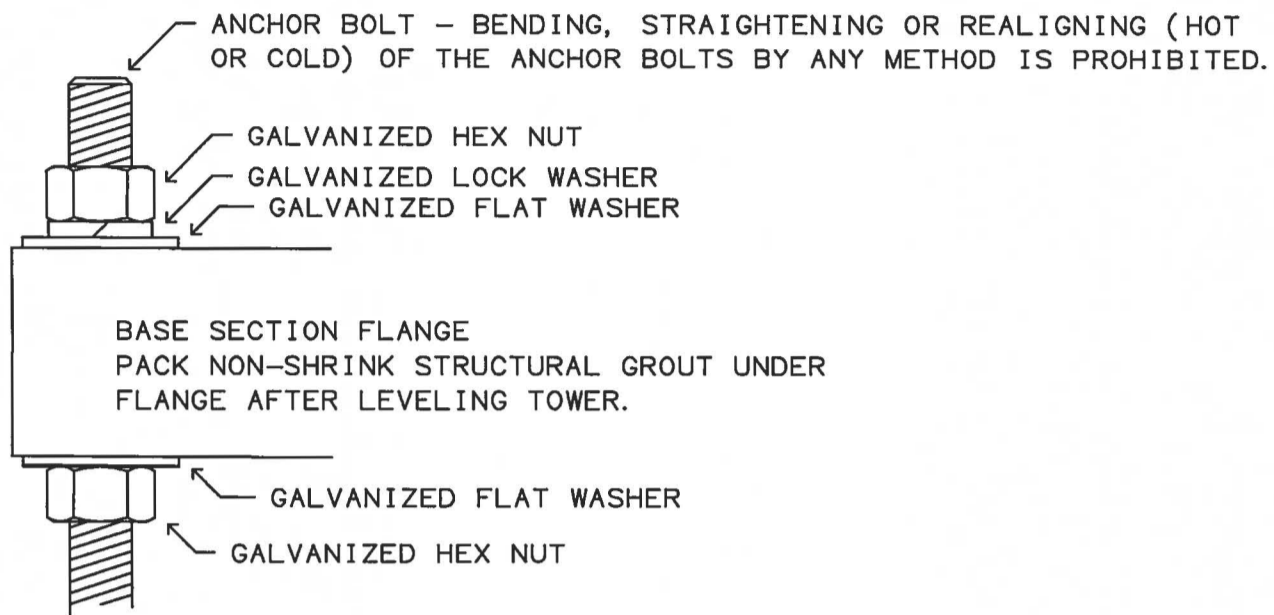


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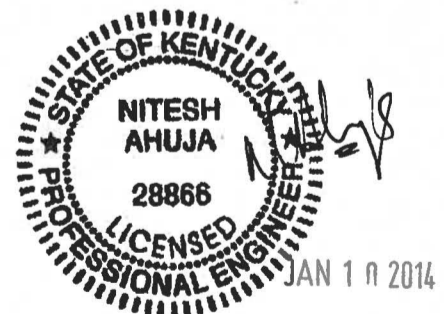
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PAGE

9 OF 10



BASE SECTION INSTALLATION DETAIL



Nitesh Ahuja, KY Professional Engineer #28866

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EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.
- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

Utility ID **Utility Name** **Address/City/Contact** **Utility Type** **Status**

	Utility ID	Utility Name	Utility Type	Class	City	State
<input type="button" value="View"/>	4107900	365 Wireless, LLC	Cellular	D	Atlanta	GA
<input type="button" value="View"/>	4109300	Access Point, Inc.	Cellular	D	Cary	NC
<input type="button" value="View"/>	4108300	Air Voice Wireless, LLC	Cellular	D	Bloomfield Hill	MI
<input type="button" value="View"/>	44451184	Alltel Communications, LLC	Cellular	A	Basking Ridge	NJ
<input type="button" value="View"/>	4107800	American Broadband and Telecommunications Company	Cellular	D	Toledo	OH
<input type="button" value="View"/>	4108650	AmeriMex Communications Corp.	Cellular	B	Roswell	GA
<input type="button" value="View"/>	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D	Norfolk	VA
<input type="button" value="View"/>	4107400	Bandwidth.com, Inc.	Cellular	B	Raleigh	NC
<input type="button" value="View"/>	4108600	BCN Telecom, Inc.	Cellular	D	Morristown	NJ
<input type="button" value="View"/>	4108750	Blue Jay Wireless, LLC	Cellular	D	Addison	TX
<input type="button" value="View"/>	4202300	Bluegrass Wireless, LLC	Cellular	A	Elizabethtown	KY
<input type="button" value="View"/>	4107600	Boomerang Wireless, LLC	Cellular	D	Hiawatha	IA
<input type="button" value="View"/>	4105600	Budget PrePay, Inc. dba Budget Mobile	Cellular	A	Bossier City	LA
<input type="button" value="View"/>	4105500	BullsEye Telecom, Inc.	Cellular	D	Southfield	MI
<input type="button" value="View"/>	4110050	CampusTVs, Inc.	Cellular	C	Weston	MA
<input type="button" value="View"/>	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
<input type="button" value="View"/>	4106600	Cintex Wireless, LLC	Cellular	D	Rockville	MD
<input type="button" value="View"/>	4101900	Consumer Cellular,	Cellular	A	Portland	OR

		Incorporated				
View	4104900	Credit Union Wireless, LLC	Cellular	D	Salem	OR
View	4106400	Credo Mobile, Inc.	Cellular	A	San Francisco	CA
View	4108850	Cricket Wireless, LLC	Cellular	D	Alpharetta	GA
View	4001900	CTC Communications Corp. d/b/a EarthLink Business I	Cellular	D	Marlborough	MA
View	10640	Cumberland Cellular Partnership	Cellular	A	Elizabethtown	KY
View	4109250	Defense Mobile Corporation	Cellular	D	Westport	CT
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK
View	4109050	EOS Mobile Holdings, LLC	Cellular	D	Southlake	TX
View	4105900	Flash Wireless, LLC	Cellular	D	Concord	NC
View	4107100	Flatel Wireless, Inc dba Zing PCS	Cellular	D	Royal Palm Bch	FL
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Oak Hill	VA
View	4109350	Global Connection Inc. of America	Cellular	D	Norcross	GA
View	4102200	Globalstar USA, LLC	Cellular	B	Covington	LA
View	4109600	Google North America Inc.	Cellular	C	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	4106000	GreatCall, Inc. d/b/a Jitterbug	Cellular	A	San Diego	CA
View	10630	GTE Wireless of the Midwest dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4103100	i-Wireless, LLC	Cellular	A	Newport	KY
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	C	Tulsa	OK
View	22215360	KDDI America, Inc.	Cellular	C	New York	NY
View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	10680	Kentucky RSA #3 Cellular General	Cellular	A	Elizabethtown	KY
View	10681	Kentucky RSA #4 Cellular General	Cellular	A	Elizabethtown	KY
View	4109750	Konatel, Inc. dba telecom.mobi	Cellular	C	Johnstown	PA
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4108100	MCC Telephony of the South, LLC	Cellular	D	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4109650	Mitel Cloud Services, Inc.	Cellular	C	Mesa	AZ
View	4109400	NetZero Wireless, Inc.	Cellular	D	Woodland Hills	CA

View	4202400	New Cingular Wireless PCS, LLC dba AT&T Mobility, PCS	Cellular	A	San Antonio	TX
View	10900	New Par dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4000800	Nextel West Corporation	Cellular	A	Overland Park	KS
View	4104500	Nexus Communications, Inc.	Cellular	D	Columbus	OH
View	4001300	NPCR, Inc. dba Nextel Partners	Cellular	A	Overland Park	KS
View	4001800	OnStar, LLC	Cellular	A	Detroit	MI
View	4109450	Pix Wireless, LLC	Cellular	D	Boca Raton	FL
View	4109850	PLATINUMTEL COMMUNICATIONS, LLC d/b/a Care Wireless	Cellular	C	Justice	IL
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4202100	Powertel/Memphis, Inc. dba T-Mobile	Cellular	A	Bellevue	WA
View	4107700	Puretalk Holdings, LLC	Cellular	A	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL
View	4108700	Ready Wireless, LLC	Cellular	C	Hiawatha	IA
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC	Cellular	D	Dallas	TX
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	D	Freemont	NE
View	4110000	Senior Tech, LLC d/b/a Snapfon	Cellular	C	Chattanooga	TN
View	4106300	SI Wireless, LLC	Cellular	A	Carbondale	IL
View	4109100	Solavei, LLC	Cellular	C	Bellevue	WA
View	4200100	Sprint Spectrum, L.P.	Cellular	A	Atlanta	GA
View	4200500	SprintCom, Inc.	Cellular	A	Atlanta	GA
View	4109550	Stream Communications, LLC	Cellular	C	Dallas	TX
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobile, LLC	Cellular	D	Carrollton	TX
View	4109700	Telecom Management, Inc. dba Pioneer Telephone	Cellular	C	South Portland	ME
View	4107200	Telefonica USA, Inc.	Cellular	D	Miami	FL
View	4108900	Telrite Corporation dba Life Wireless	Cellular	D	Covington	GA
View	4108450	Tempo Telecom, LLC	Cellular	D	Kansas City	MO
View	4109950	The People's Operator USA, LLC	Cellular	C	New York	NY
View	4109000	Ting, Inc.	Cellular	B	Toronto	ON
View	4103900	Total Call Mobile, Inc.	Cellular	A	Gardena	CA
View	4103300	Touchtone Communications,	Cellular	D	Whippany	NJ

		Inc.				
View	4104200	TracFone Wireless, Inc.	Cellular	D	Miami	FL
View	4002000	Truphone, Inc.	Cellular	D	Durham	NC
View	4105700	Virgin Mobile USA, L.P.	Cellular	A	Atlanta	GA
View	4104100	WDT Wireless Telecommunications, Inc.	Cellular	D	Dallas	TX
View	4200600	West Virginia PCS Alliance, L.C.	Cellular	A	Waynesboro	VA
View	4106500	WiMacTel, Inc.	Cellular	D	Omaha	NE
View	4110100	Windward Wireless LLC	Cellular	C	Suwanee	GA
View	4109900	Wireless Telecom Cooperative, Inc. dba theWirelessFreeway	Cellular	C	Louisville	KY

EXHIBIT E
FAA



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

Aeronautical Study No.
 2015-ASO-14976-OE

Issued Date: 11/25/2015

John Monday
 ATT Mobility (SW)
 3300 E Renner Rd
 3B
 Richardson, TX 75082

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

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

Structure: Antenna Tower Alice Lloyd
 Location: Pippa Passes, KY
 Latitude: 37-20-33.17N NAD 83
 Longitude: 82-53-00.00W
 Heights: 1878 feet site elevation (SE)
 265 feet above ground level (AGL)
 2143 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 05/25/2017 unless:

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

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

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

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

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

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

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

If we can be of further assistance, please contact our office at (816) 329-2523. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2015-ASO-14976-OE.

Signature Control No: 265413979-273577468

(DNE)

Steve Phillips
Specialist

Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2015-ASO-14976-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



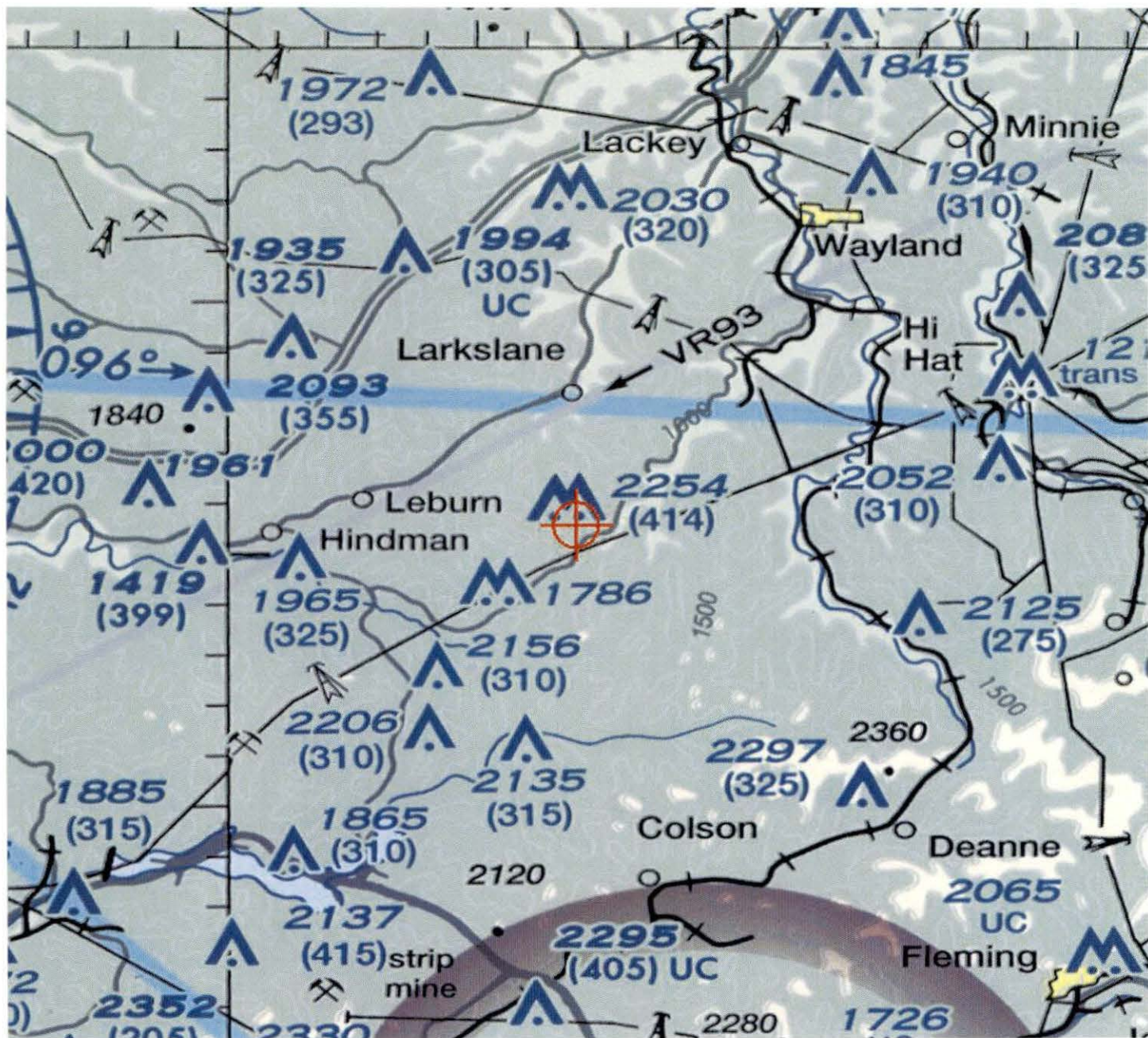


EXHIBIT F
KENTUCKY AIRPORT ZONING COMMISSION



KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

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

October 16, 2015

APPROVAL OF APPLICATION EXTENSION

APPLICANT:
A T & T MOBILITY LLC
AT&T MOBILITY
601 WEST CHESTNUT STREET
LOUISVILLE, KY 40203

SUBJECT: AS-060-CPF-2014-035

STRUCTURE: Antenna Tower
LOCATION: Pippa Passes, KY
COORDINATES: 37° 20' 33.17" N / 82° 53' 00.04" W
HEIGHT: 265' AGL/2142.5' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 265' AGL/ 2142.5' AMSL Antenna Tower near Pippa Passes, KY 37° 20' 33.17" N / 82° 53' 00.04" W.

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

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

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

John Houlihan
Administrator



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

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

CONSTRUCTION/ALTERATION STATUS REPORT

October 16, 2015

AERONAUTICAL STUDY NUMBER: AS-060-CPF-2014-035

A T & T MOBILITY LLC
AT&T MOBILITY
601 WEST CHESTNUT STREET
LOUISVILLE, KY 40203

This concerns the permit extension which was issued to you by the Kentucky Airport Zoning Commission on October 16, 2015. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Antenna Tower
LOCATION: Pippa Passes, KY
COORDINATES: 37° 20' 33.17" N / 82° 53' 00.04" W
HEIGHT: 265' AGL /2142.5'AMSL

CONSTRUCTION/ALTERATION STATUS

- 1. The project () is abandoned. () is not abandoned.
- 2. Construction status is as follows:
 - Structure reached its greatest height of _____ ft. AGL
_____ ft. AMSL on _____ (date).
 - Date construction was completed. _____
 - Type of obstruction marking/painting. _____
 - Type of obstruction lighting. _____
 - As built coordinates. _____
 - Miscellaneous Information. _____
 - DATE _____
 - SIGNATURE/TITLE _____



An Equal Opportunity Employer M/F/D

EXHIBIT G
GEOTECHNICAL REPORT



ENVIRONMENTAL CORPORATION OF AMERICA

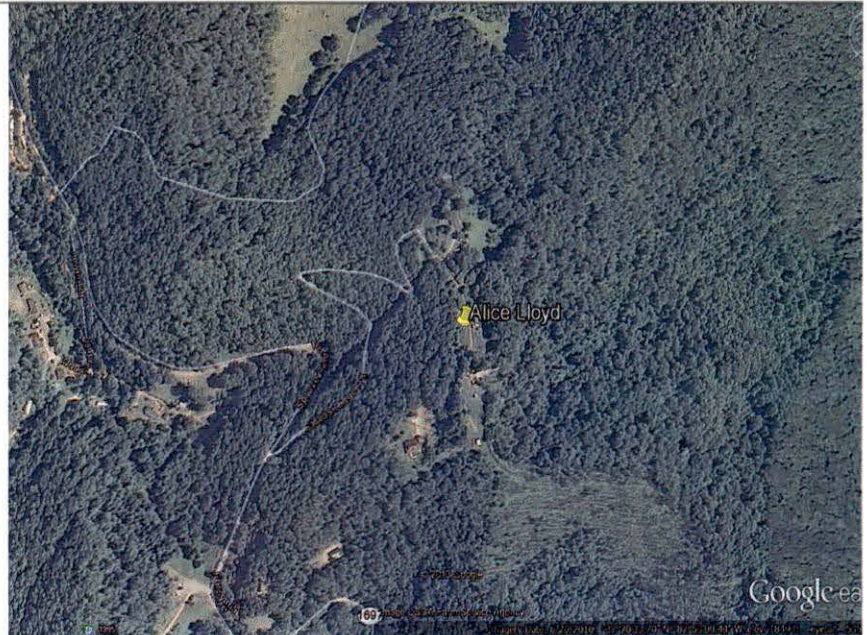
ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

Geotechnical Investigation

AT&T Site (Alice Lloyd)

448 Jacobs Ridge Road
Pippa Passes, Kentucky
Knott County

ECA Project No. P1249



SUBMITTED TO:

WesTower Communications
10400 Linn Station Road, Suite 225
Louisville, KY 40223

PREPARED BY:

Environmental Corporation of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

March 4, 2014

WesTower Communications
10400 Linn Station Road, Suite 225
Louisville, KY 40223

Attention: Mr. John Boud

Subject: **Report of Geotechnical Investigation
AT&T Site ALICE LLOYD
448 Jacobs Ridge Road
Pippa Passes, Knott County, Kentucky
ECA Project No. P1249**

Dear Mr. Boud:

Environmental Corporation of America (ECA) is pleased to submit this report of our investigation for the proposed project. Our services were provided as authorized via purchase order dated October 1, 2013.

This report presents a review of the information provided to us, a description of the site and subsurface conditions, and our recommendations. The appendices contain a Boring Location Plan and a Boring Log.

Purpose and Scope of Work

The purpose of this exploration was to obtain specific subsurface data at the site and to provide geotechnical-related design parameters and construction recommendations for the proposed tower.

Our scope of work included the following:

- Due to very steep terrain, our ATV drill rig could not access the proposed tower and level up to facilitate drilling. Therefore, two hand auger borings were drilled to depths of 2.1 and 2.4 feet below the ground surface (bgs). Figure 1 shows the approximate boring locations.
- The depth to groundwater, if any, was measured in the borings after drilling was completed.

- The soil samples were visually classified and a boring log was prepared. The soil conditions were evaluated by a registered professional engineer and this geotechnical report was prepared with our recommendations.

No physical testing of soil samples has been conducted to calculate site specific bearing capacities or settlements. We have recommended design parameters and settlements based on an examination of the soil samples, and our experience with similar soil conditions and structures.

Project Information

We were provided with an undated survey of the Property by BTM Engineering. The Property is located in a wooded area near the top of a hill east of Jacobs Ridge Road.

We understand that plans call for the construction of a 255-foot self-supporting lattice tower on the site. We assume that the equipment building/cabinets will be pre-fabricated structures supported on a turned-down slab foundation.

Site Conditions

The fieldwork was conducted on February 26, 2014. Information obtained from the borings was used to help us evaluate the subsurface conditions and to assist in formulating our recommendations.

Subsurface Conditions

The subsurface conditions were explored with two borings drilled approximately as shown on Figure 1. Several rock outcroppings were noted at the project site. The ground surface at the tower center slopes about 40 percent.

The boring encountered silty sand and gravel overlying apparent bedrock at approximately 2.1 feet. The soil classified as SM/GM soil type based on the Unified Soil Classification System (USCS). Auger refusal was encountered at 2.1 feet in boring B-1 and at 2.4 feet in boring B-1A. It is possible that the material at 2.1 feet represents a boulder; however, based on our observations, solid rock is very close to the surface. In order to drill deeper, coring would be needed. Also, significant clearing and leveling of the tower center would be needed.

Groundwater was not present in the borings at the time of completion.

Recommendations

Tower Foundations: The subsurface conditions are suitable for support of the tower using a mat foundation. Due to the shallow depth to bedrock, a caisson foundation would not be feasible.

For a mat foundation design, we recommend the foundation base be supported on the apparent rock surface. If bearing on rock, a net allowable bearing pressure of 8 ksf may be used. Other soil parameters that may be needed are as follows:

Cohesion	0 psf
Angle of internal friction	30°
Unit weight of soil	115 pcf

Total and differential settlement should be less than 1-inch and ½-inch, respectively. Due to the shallow rock, it may be necessary to excavate some depth of the rock to accommodate a below-ground foundation pad, or raise the ground surface and the tower foundation to provide sufficient concrete mass and overturning resistance, and/or use rock anchors.

Groundwater should not be encountered in a mat foundation excavation.

Building Foundations: The proposed equipment cabinet(s) can be supported on a spread footing foundation. A maximum allowable net bearing pressure of 2.0 kips per ft² should be used to design the building/cabinet foundation. Total and differential settlements should be less than 1/2-inch and 1/4-inch, respectively.

Foundation Excavations: To avoid softening of the shallow soils exposed at the foundation bearing level, excavations should not be left open for extended periods, prior to placing reinforcing steel and concrete. If rain or freezing weather is expected, excavations should not be completed. Leaving the excavations at least 1 ft above final grade should protect the bearing soils from deterioration.

If the excavation must remain open overnight or if rainfall becomes imminent while the bearing soils are exposed, we recommend that a 2 to 4-inch thick "mud-mat" of "lean" (2000 psi) concrete be placed on the bearing soils before the placement of reinforcing steel. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete.

Fill Placement: The amount of fill required for this project depends on the planned final grades, but we expect it to be minimal. Any required fill should be placed in maximum 8-inch thick lifts. The soil moisture content should be close to the optimum moisture content. The soil should be compacted to at least 98% of the maximum dry density, as determined by the standard Proctor method (ASTM D-698).

In areas supporting floor slabs or pavements, the upper 18 inches of fill should be compacted to 100% of the standard Proctor density. As no laboratory testing has been conducted, we do not know the capability of the surficial soil to support pavements. However, we suggest that the upper soils be replaced by granular fill in areas of heavy traffic to improve the subgrade support capabilities and moisture sensitivity.

Field density tests should be conducted at routine intervals, as the fill is being placed, to verify that adequate compaction is achieved.

Prior to placing any new fill, any soft or loose near surface soils should be removed and the area proofrolled with a heavy vehicle to confirm that any unsuitable soil conditions have been discovered.

Basis for Recommendations

The subsurface conditions encountered at the boring location are shown on the Boring Log in Appendix B. This Boring Log represents our interpretation of the subsurface conditions based on the field logs and visual examination of field samples by an engineer. The lines designating the interface between various strata on the Boring Log represent the approximate interface locations. In addition, the transition between strata may be gradual. The water level shown on the Boring Log, if any, represents the condition only at the time of our exploration.

The recommendations contained herein are based in part on project information provided to us and only apply to the specific project and site discussed in this report. If the project information section in this report contains incorrect information or if additional information is available, please let us know so that we may review the validity of our recommendations.

Regardless of the thoroughness of a geotechnical investigation, there is always a possibility that conditions between borings will be different from those at specific boring locations and that conditions will not be as anticipated by the designers or contractors. In addition, the construction process may itself alter soil conditions. Therefore, experienced geotechnical personnel should observe and document the construction procedures used and the conditions encountered. Unanticipated conditions and inadequate procedures should be reported to the design team along with timely recommendations to solve the problems created. ECA is best qualified to provide this service based on our familiarity with the project, the subsurface conditions, and the intent of the recommendations and design.

We wish to remind you that we will store the soil samples for 30 days. The samples will then be discarded unless you request otherwise.

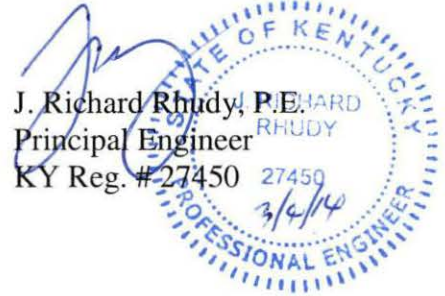
Mr. Boud
Page 5

We will be happy to discuss our recommendations with you and look forward to providing the additional studies or services necessary to complete this project. We appreciate the opportunity to be of service. Please call us with any questions at (770) 667-2040.

Sincerely,
Environmental Corporation of America



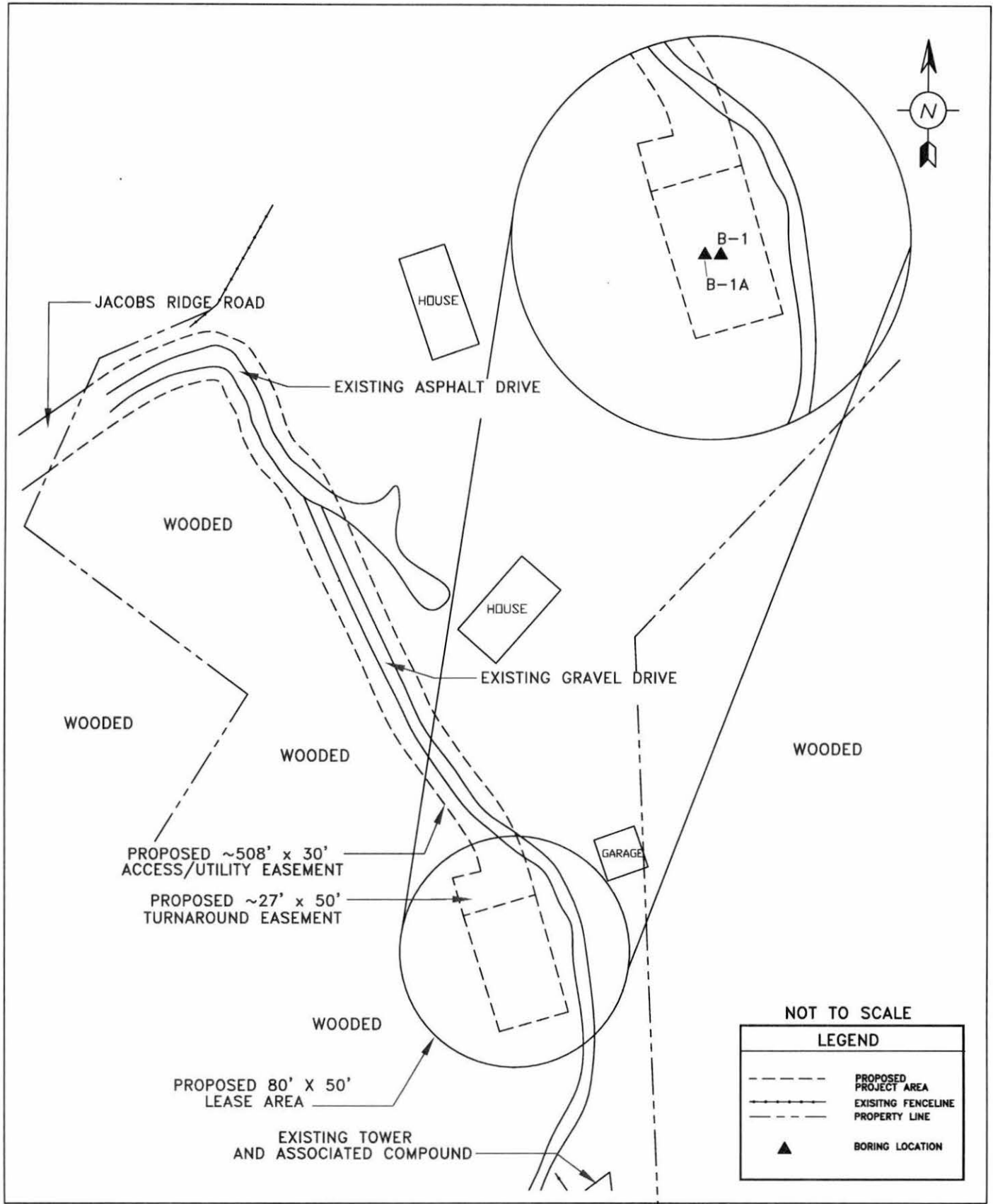
Kelby Williams, EIT
Project Engineer



Appendix A Boring Location Plan
Appendix B Boring Log

APPENDIX A

Boring Location Plan



AT&T Site KYALU6157 (Alice Lloyd)
 448 Jacobs Ridge Road
 Pippa Passes, Knott County, Kentucky

Figure 1: Boring Location Plan

SOURCE: 9/18/13 ECA Site Visit and Site Survey

DRAWN BY: MKT/KLWDATE: 3/3/2014
 FILE NAME: F:\%P1249.dwg



ECA Project # P1249

APPENDIX B

Boring Log

Project: AT&T Site (Alice Lloyd)
 City, State Pippa Passes, Kentucky
 Client: Westower
 ECA Job No: P1249

Log of Boring: B-1/B-1A

Drill Date: February 26, 2014
 Field Rep: Tyler

Elevation (ft)	Depth	SUBSURFACE PROFILE		SAMPLE				Water depth		
		Symbol	Description	Blow Counts (per ft)	SPT Values (blows/ft)				Remarks	
					10	20	30			40
0	0		Ground Surface							
-2.1	2.1	•••••	Very dense very silty SAND and GRAVEL (SM/GM)							
	5		Boring Terminated						Auger refusal at 2.1 feet	
	10								Boring B-1A Offset 5 ft west	
	15								Auger refusal at 2.4 feet	
	20									
	25									
	30									
	35									
	40									

Drilled By: Tri-State Drilling

Depth to Water: N/A

Borehole Size: 3" OD

Total Depth: 2.1 ft

Drill Method: Hand Auger

Sheet: 1 of 1

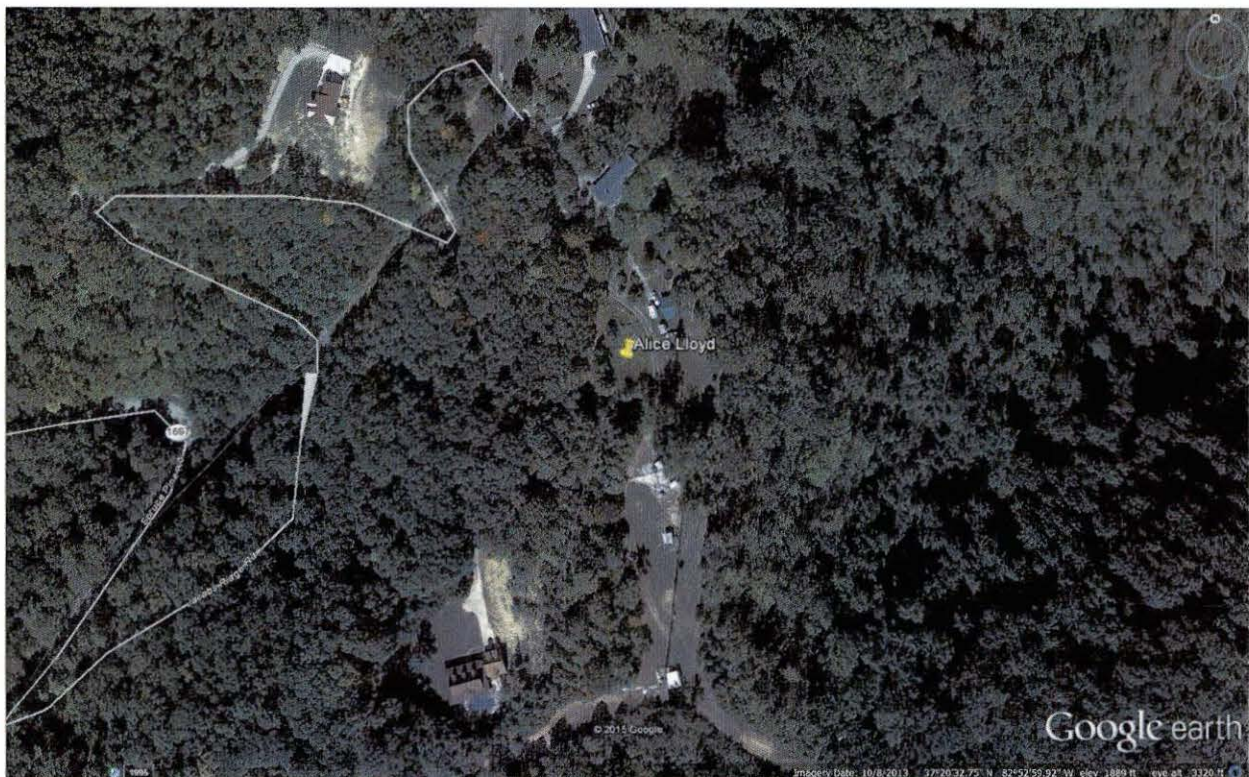
Environmental Corp. of America
 1375 Union Hill Indus. Ct., Ste A
 Alpharetta, GA 30004
 (770) 667-2040



EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site at Alice Lloyd

1. Beginning at 54 W. Main Street, Hindman, KY 41822, head east on W. Main Street and travel approximately 374 feet.
2. Turn left onto Main St E and travel approximately 0.1 miles.
3. Make a slight right onto KY-550E / Main Street E and travel 3.7 miles.
4. Turn right onto KY-1697 and travel approximately 2.8 miles.
5. Take a sharp left onto Jacobs Ridge Road. Travel approximately 0.4 miles to reach the destination at 490 Jacobs Ridge Road in Pippa Passes, Kentucky.
6. The site coordinates are
 - a. North 37 deg 20' 33.171"
 - b. West 82 deg 53' 00.004"



Prepared by:
Aaron L. Roof
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I
COPY OF REAL ESTATE AGREEMENT



Doc ID: 001298220005 Type: LEASE
 Recorded: 01/27/2014 at 08:49:54 AM
 Receipt#: 2014-00000359
 Page 1 of 5
 Fees: \$23.00
 Knott County, KY
 Ken Gayheart Clerk of Court

BK **77** PG **346-350**

MEMORANDUM OF LEASE

Prepared by:

Kit Nickel

PBM Wireless

13714 Smokey Ridge Overlook

Carmel, IN 46033

Return to:

New Cingular Wireless PCS, LLC
 Attn: Network Real Estate Administration
 575 Morosgo Drive NE,
 Suite 13-F West Tower,
 Atlanta, GA 30324

Re: Cell Site # KYALU6157; Cell Site Name: ALICE LLOYD
 Fixed Asset # 12568750
 State: KENTUCKY
 County: KNOTT

**MEMORANDUM
 OF
 LEASE**

This Memorandum of Lease is entered into on this 17th day of November, 2013, by and between AFO JEAN JACOBS, AN UNMARRIED WOMAN, having a mailing address of 448 JACOBS RIDGE ROAD, PIPPA PASSES, KY 41844 (hereinafter referred to as "**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 575 Morosgo Drive NE, Suite 13-F West Tower, Atlanta, Ga 30324 (hereinafter referred to as "**Tenant**").

1. Landlord and Tenant entered into a certain Option and Lease Agreement ("**Agreement**") on the 19th day of November, 2013, for the purpose of installing, operating and maintaining a communications facility and other improvements. All of the foregoing is set forth in the Agreement.
2. The initial lease term will be five (5) years commencing on the effective date of written notification by Tenant to Landlord of Tenant's exercise of its option, with four (4) successive five (5) year options to renew.

3. The portion of the land being leased to Tenant and associated easements are described in **Exhibit I** annexed hereto.
4. This Memorandum of Lease is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Lease and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Lease as of the day and year first above written.

"LANDLORD"

AFO JEAN JACOBS, AN UNMARRIED WOMAN

By: *Afo Jean Jacobs*
Print Name: Afo Jean Jacobs
Its: Owner
Date: 10-10-2013

"TENANT"

New Cingular Wireless PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: *Terry R. Kilgore*
Print Name: Terry R. Kilgore
Its: Area Manager, C&E
Date: 11/19/13

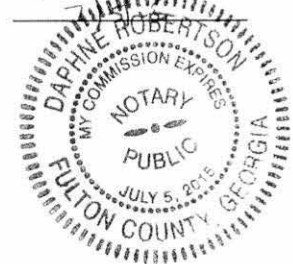
[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF Georgia)
) ss:
COUNTY OF Fulton)

On the 19th day of November, 2013, before me personally appeared Terry R. Kilgore, and acknowledged under oath that he/she is the Area Mgr. Const. & Engrg. of AT&T Mobility Corporation, the Manager of New Cingular Wireless PCS, LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.

Daphne Robertson
Notary Public: DAPHNE ROBERTSON
My Commission Expires: 7/5/14



LANDLORD ACKNOWLEDGMENT

STATE OF KENTUCKY)
) ss:
COUNTY OF KNOTT)

On the 10th day of OCTOBER, 2013 before me, personally appeared Afo Jean Jacobs, who acknowledged under oath, that she is the person/officer named in the within instrument, and that she executed the same in her stated capacity as the voluntary act and deed of the Landlord for the purposes therein contained.

Lisa Bolch
Notary Public: _____
My Commission Expires: 5/18/14

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 2

to the Option and Lease Agreement dated November 19, 2012, by and between AFO JEAN JACOBS, AN UNMARRIED WOMAN, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:

Lying and being in the head of Slone's Fork of Troublesome Creek and the head of Onion Blade Branch of Caney Creek and BEGINNING at the highway at a marked rock; thence up the hill with Delia Slone's line to a marked rock on the ridge; thence up the ridge with Delia Slone's line to David Slone's line; thence around the ridge with David Slone's line to Cody Jacobs' line; thence down the ridge with David Slone's line 325 feet to a stone marker; thence around the hill with a bench to a stone marker; thence up the hill to a stone marker; thence in a straight line to the beginning, containing five acres, more or less.

Being a part of the land conveyed to Cody Jacobs by deed dated January 11, 1941 and recorded in Deed Book 60, Page 250, Clerk's Office, Knott County, Kentucky, and part of the land conveyed to Cody Jacobs and Allie Jacobs by deed dated July 24, 1967 and recorded in Deed Book 90, Page 109, Clerk's Office, Knott County, Kentucky.

I, Ken Gayheart, County Clerk of Knott County, Kentucky, hereby certify that the foregoing instrument has been duly recorded in my office.

EXHIBIT 1

Ken Gayheart

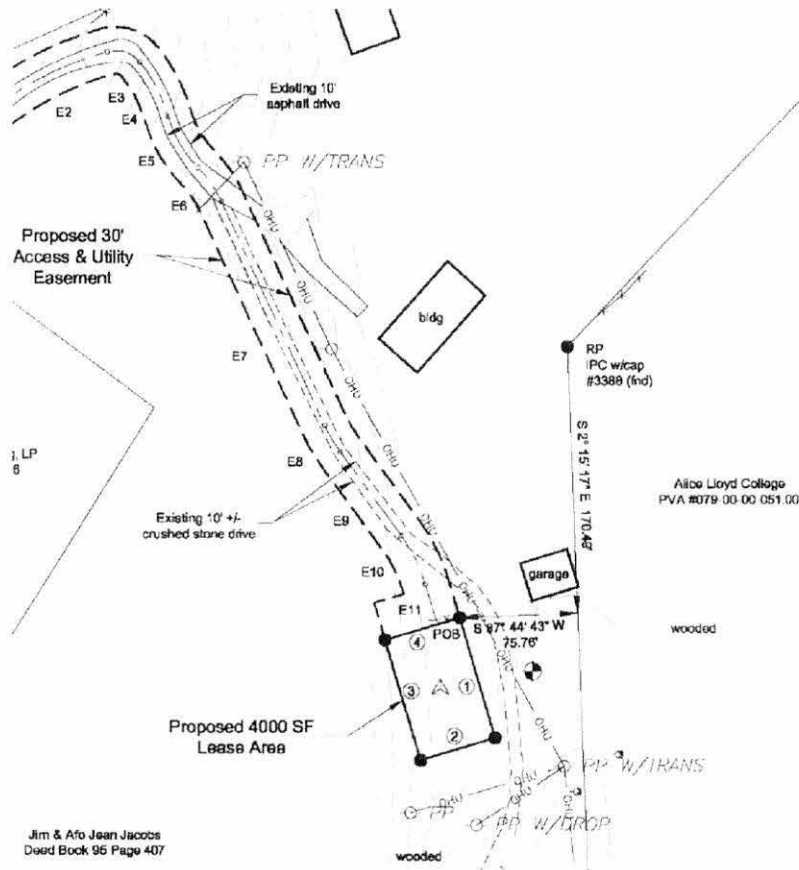
By: RUIE HAYS, dc

DESCRIPTION OF PREMISES

Page 2 of 2

to the Option and Lease Agreement dated November 19, 2013, by and between AFO JEAN JACOBS, AN UNMARRIED WOMAN, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

The Premises are described and/or depicted as follows:



Notes:

1. THIS EXHIBIT MAY BE REPLACED BY A LAND SURVEY AND/OR CONSTRUCTION DRAWINGS OF THE PREMISES ONCE RECEIVED BY TENANT.
2. ANY SETBACK OF THE PREMISES FROM THE PROPERTY'S BOUNDARIES SHALL BE THE DISTANCE REQUIRED BY THE APPLICABLE GOVERNMENTAL AUTHORITIES.
3. WIDTH OF ACCESS ROAD SHALL BE THE WIDTH REQUIRED BY THE APPLICABLE GOVERNMENTAL AUTHORITIES, INCLUDING POLICE AND FIRE DEPARTMENTS.
4. THE TYPE, NUMBER AND MOUNTING POSITIONS AND LOCATIONS OF ANTENNAS AND TRANSMISSION LINES ARE ILLUSTRATIVE ONLY. ACTUAL TYPES, NUMBERS AND MOUNTING POSITIONS MAY VARY FROM WHAT IS SHOWN ABOVE.

EXHIBIT J
NOTIFICATION LISTING

Alice Lloyd Landowner Notice Listing

Afo Jean Jacobs
P.O. Box 92
Pippa Passes, KY 41844

The Truck Store, Inc.
P.O. Box 454
Hindman, KY 41822

The Truck Store, Inc.
P.O. Box 991
Hindman, KY 41822

Alice Lloyd College
100 Purpose Road
Pippa Passes, KY 41844

Burnis & Mary Lois Jacobs
P.O. Box 33
Pippa Passes, KY 41844

Kurt & Lisa Sandlin
P.O. Box 174
Pippa Passes, KY 41844

Kurt & Lisa Sandlin
3174 Spruce Pine Road
Pippa Passes, KY 41844

Allison Jacobs
P.O. Box 33
Pippa Passes, KY 41844

Glenna Jacobs Gross
P.O. Box 456
Loyall, KY 40854-0456

Glenna Jacobs Gross
P.O. Box 456
Loyall, KY 40854

Glenna Jacobs Gross
P.O. Box 33
Pippa Passes, KY 41844

Donald G. & Kathy H. Mullins
P.O. Box 125
Garner, KY 41847

Donald G. & Kathy H. Mullins
130 Woodland Dr.
Garner, KY 41847

Donald G. & Kathy H. Mullins
130 Woodland Dr.
Pippa Passes, KY 41844

EXHIBIT K
COPY OF PROPERTY OWNER NOTIFICATION



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Alice Lloyd**

Dear Landowner:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 490 Jacobs Ridge Road, Pippa Passes, Kentucky 41844 (37°20'33.171" North latitude, 82°53'00.004" West longitude). The proposed facility will include a 255-foot tall antenna tower, plus a 10-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

This notice is being sent to you because the Knott County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2016-00067 in any correspondence sent in connection with this matter.

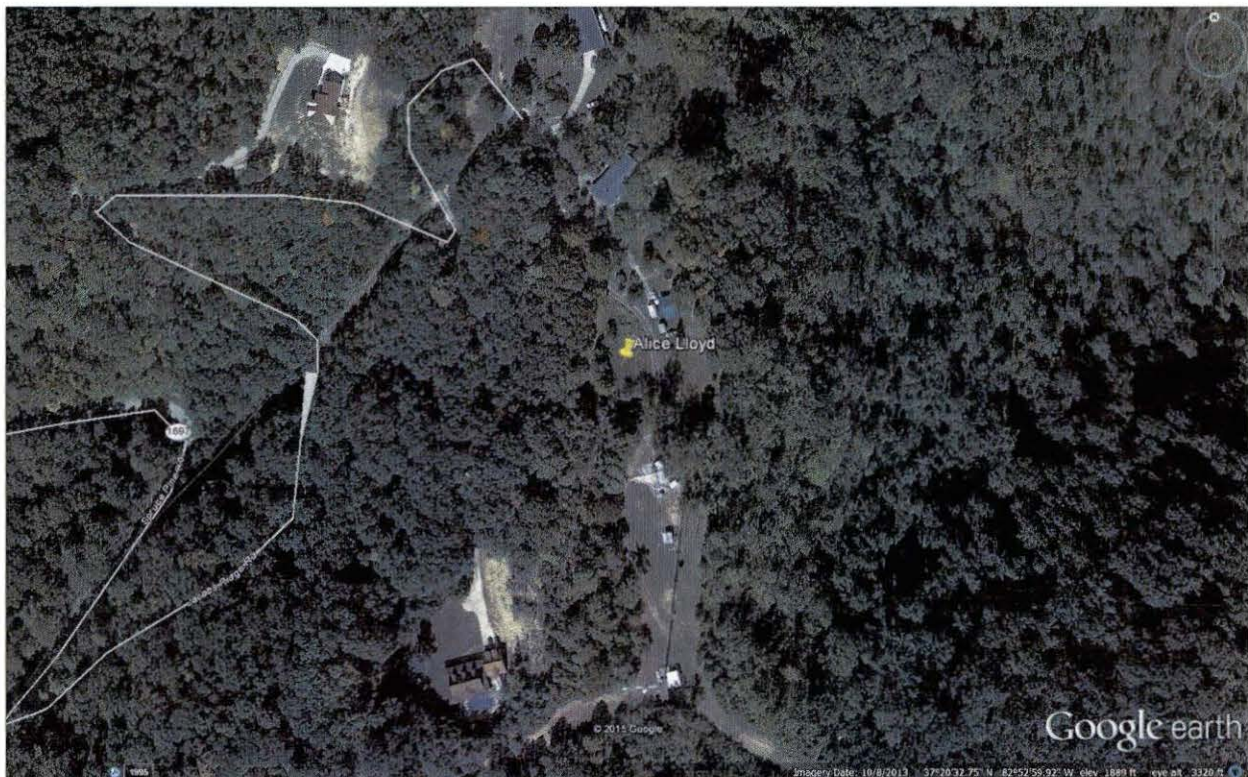
We have attached a map showing the site location for the proposed tower. AT&T Mobility's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us toll free at (800) 516-4293 if you have any comments or questions about this proposal.

Sincerely,
David A. Pike
Attorney for AT&T Mobility

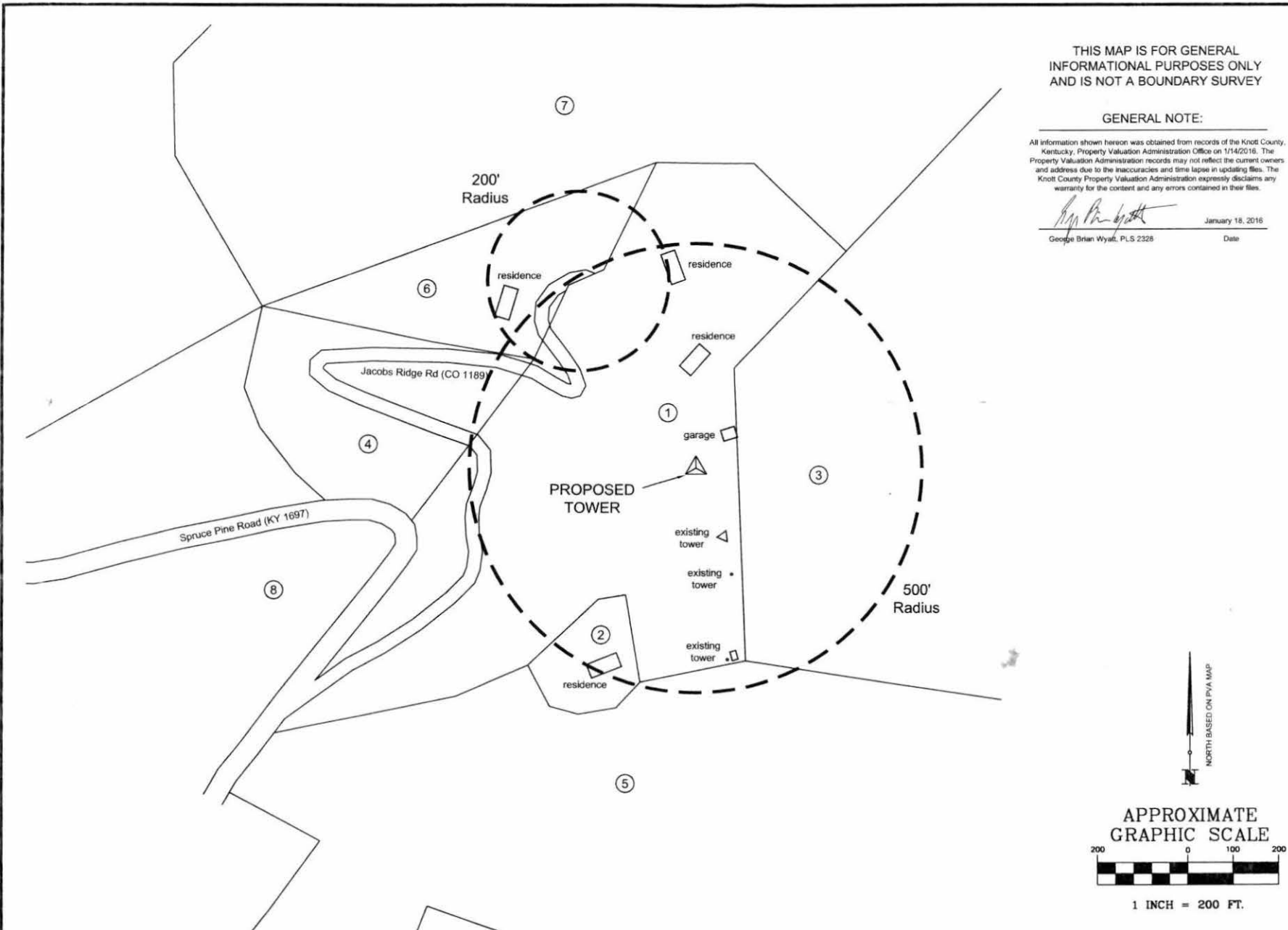
enclosure

Driving Directions to Proposed Tower Site at Alice Lloyd

1. Beginning at 54 W. Main Street, Hindman, KY 41822, head east on W. Main Street and travel approximately 374 feet.
2. Turn left onto Main St E and travel approximately 0.1 miles.
3. Make a slight right onto KY-550E / Main Street E and travel 3.7 miles.
4. Turn right onto KY-1697 and travel approximately 2.8 miles.
5. Take a sharp left onto Jacobs Ridge Road. Travel approximately 0.4 miles to reach the destination at 490 Jacobs Ridge Road in Pippa Passes, Kentucky.
6. The site coordinates are
 - a. North 37 deg 20' 33.171"
 - b. West 82 deg 53' 00.004"



Prepared by:
Aaron L. Roof
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293



THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY

GENERAL NOTE:

All information shown hereon was obtained from records of the Knott County, Kentucky, Property Valuation Administration Office on 1/14/2016. The Property Valuation Administration records may not reflect the current owners and address due to the inaccuracies and time lapse in updating files. The Knott County Property Valuation Administration expressly disclaims any warranty for the content and any errors contained in their files.

George Brian Wyatt
 George Brian Wyatt, PLS 2328
 January 18, 2016
 Date

Mastec
 BTM Engineering, Inc.
 CONSULTING ENGINEERS, LANDSCAPE ARCHITECTS,
 PLANNERS & SURVEYORS
 1001 EAST LEXINGTON AVENUE, SUITE 100
 LEXINGTON, KY 40503
 PHONE: (502) 453-8423
 FAX: (502) 453-8427

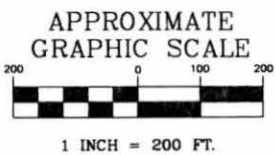
STATE of KENTUCKY
 GEORGE BRIAN
 WYATT
 2328
 LICENSED PROFESSIONAL
 LAND SURVEYOR

SITE NAME:	ALICE LLOYD
SITE NUMBER:	KYALU6157
SITE ADDRESS:	490 JACOBS RIDGE RD PIPPA PASSES, KY 41844
AREA:	4,000 SF
PROPERTY OWNER:	AFO JEAN JACOBS P.O. BOX 92 PIPPA PASSES, KY 41844
TAX MAP #:	N/A
PARCEL NUMBER:	70-00-00-008.00
SOURCE OF TITLE:	DEED BOOK 267 PAGE 416
LATITUDE:	N 37° 20' 33.171"
LONGITUDE:	W 82° 53' 00.004"

NO.	BY	DESCRIPTION	DATE	CHK
1	BW	UPDATE PVA DATA	07/12/16	PCH

TITLE:
 COMMUNICATIONS
 SITE SURVEY

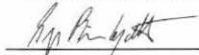
SHEET:
 C-1



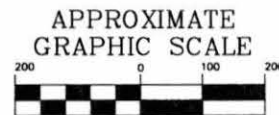
THIS MAP IS FOR GENERAL
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AND IS NOT A BOUNDARY SURVEY

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George Brian Wyatt, PLS 2328
January 18, 2016
Date

- ① PARCEL NUMBER: 070-00-00-008.00
Afo Jean Jacobs
P.O. Box 92
Pippa Passes, Kentucky 41844
- ② PARCEL NUMBER: 070-00-00-008.01
The Truck Store, Inc.
P.O. Box 454
Hindman, Kentucky 41822
- ③ PARCEL NUMBER: 079-00-00-051.00
Alice Lloyd College
100 Purpose Road
Pippa Passes, Kentucky 41844
- ④ PARCEL NUMBER: 070-00-00-009.00
Burnis & Mary Lois Jacobs
P.O. Box 33
Pippa Passes, Kentucky 41844
- ⑤ PARCEL NUMBER: 070-00-00-005.00
Kurt & Lisa Sandlin
P.O. Box 174
Pippa Passes, Kentucky 41844
- ⑥ PARCEL NUMBER: 070-00-00-009.01
Allison Jacobs
P.O. Box 33
Pippa Passes, Kentucky 41844
- ⑦ PARCEL NUMBER: 070-00-00-010.00
Glenna Jacobs Gross
P.O. Box 456
Loyall, Kentucky 40854
- ⑧ PARCEL NUMBER: 070-00-00-007.00
Donald G. & Kathy H. Mullins
P.O. Box 125
Garner, Kentucky 41847



1 INCH = 200 FT.

Mastec
BTM Engineering, Inc.
CONSULTING ENGINEERS, LANDSCAPE ARCHITECTS,
PLANNERS & SURVEYORS
3001 TAYLOR SPRINGS DRIVE
JACKSONVILLE, KY 40329
PHONE: (502) 459-8400
FAX: (502) 459-8477

STATE of KENTUCKY
GEORGE BRIAN
WYATT
2328
LICENSED
PROFESSIONAL
LAND SURVEYOR

SITE NAME: ALICE LLOYD
SITE NUMBER: KYALUB157
SITE ADDRESS: 490 JACOBS RIDGE RD
PIPPA PASSES, KY 41844
AREA: 4,000 SF
PROPERTY OWNER: AFO JEAN JACOBS
P.O. BOX 92
PIPPA PASSES, KY 41844
TAX MAP #: N/A PARCEL NUMBER: 70-00-00-008.00
SOURCE OF TITLE: DEED BOOK 267 PAGE 418
LATITUDE: N 37° 20' 33.171" LONGITUDE: W 82° 53' 00.004"

NO.	BY	DESCRIPTION	REVISIONS	
			DATE	CHK
1	BW	UPDATE PVA DATA	01/12/16	PCH

TITLE: COMMUNICATIONS
SITE SURVEY

SHEET: C-1A

EXHIBIT L
COPY OF COUNTY JUDGE/EXECUTIVE NOTICE



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

VIA CERTIFIED MAIL

Hon. Zachary Weinberg
P.O. Box 505
Hindman, KY 41822

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2016-00067
Site Name: Alice Lloyd

Dear Judge Weinberg:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 490 Jacobs Ridge Road, Pippa Passes, Kentucky 41844 (37°20'33.171" North latitude, 82°53'00.004" West longitude). The proposed facility will include a 255-foot tall antenna tower, plus a 10-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

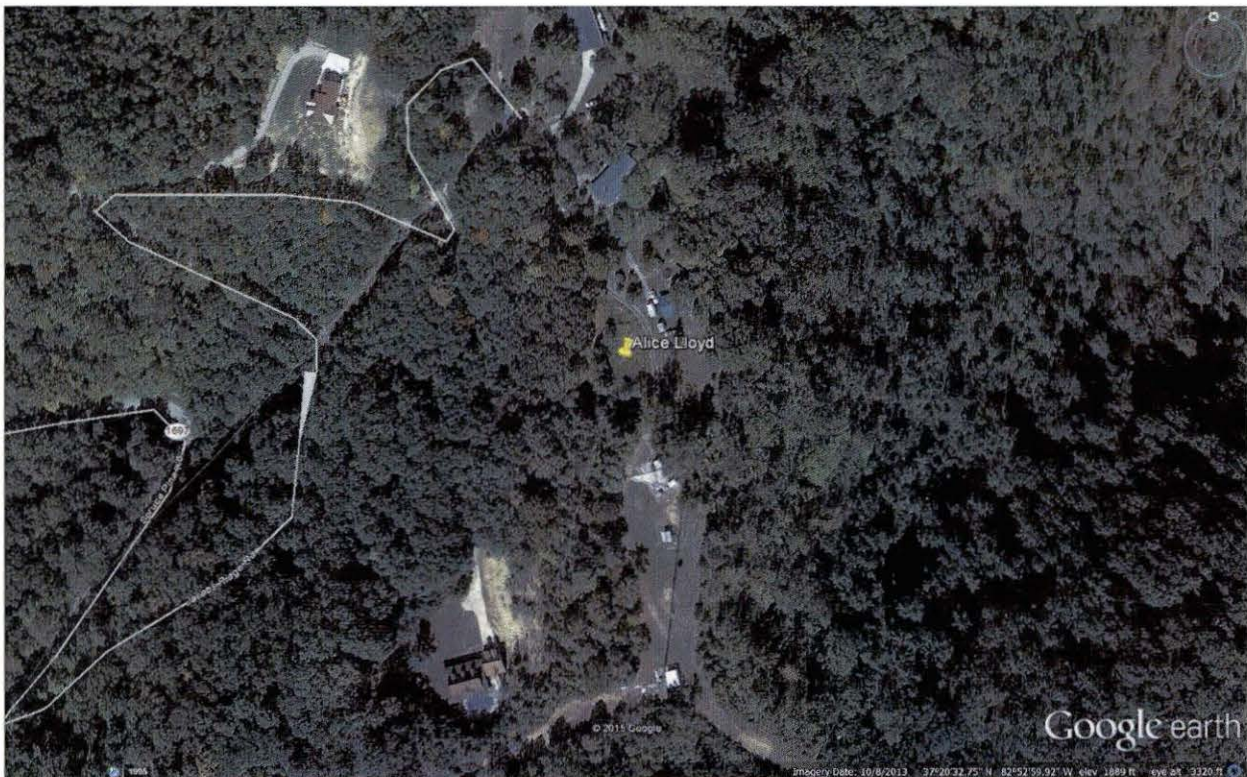
You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2016-00067 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. AT&T Mobility's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

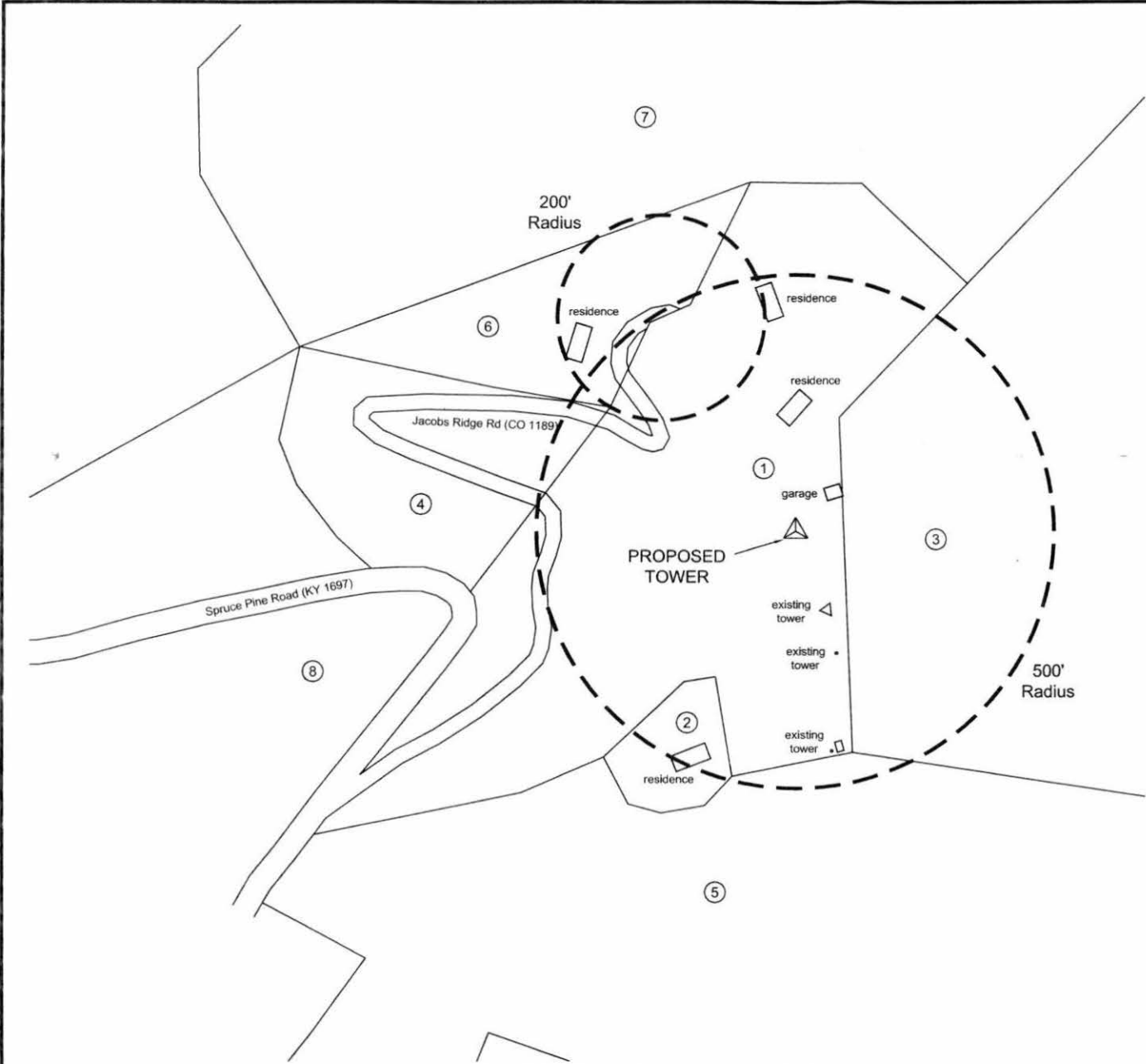
Sincerely,
David A. Pike
Attorney for AT&T Mobility
enclosure

Driving Directions to Proposed Tower Site at Alice Lloyd

1. Beginning at 54 W. Main Street, Hindman, KY 41822, head east on W. Main Street and travel approximately 374 feet.
2. Turn left onto Main St E and travel approximately 0.1 miles.
3. Make a slight right onto KY-550E / Main Street E and travel 3.7 miles.
4. Turn right onto KY-1697 and travel approximately 2.8 miles.
5. Take a sharp left onto Jacobs Ridge Road. Travel approximately 0.4 miles to reach the destination at 490 Jacobs Ridge Road in Pippa Passes, Kentucky.
6. The site coordinates are
 - a. North 37 deg 20' 33.171"
 - b. West 82 deg 53' 00.004"



Prepared by:
Aaron L. Roof
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293



THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY

GENERAL NOTE:

All information shown hereon was obtained from records of the Knott County, Kentucky, Property Valuation Administration Office on 1/14/2016. The Property Valuation Administration records may not reflect the current owners and address due to the inaccuracies and time lapse in updating files. The Knott County Property Valuation Administration expressly disclaims any warranty for the content and any errors contained in their files.

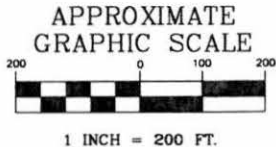
George Brian Wyatt
 George Brian Wyatt, PLS 2328
 January 18, 2016
 Date

Mastec
 BTM Engineering, Inc.
 CORRECTIONAL SERVICES, LANDSCAPE ARCHITECTS,
 PLANNERS & SURVEYORS
 1001 TAYLOR SPRINGS DRIVE
 PIPPA PASSES, KY 41844
 PHONE: (502) 459-8402
 FAX: (502) 459-8427

STATE OF KENTUCKY
 GEORGE BRIAN WYATT
 2328
 LICENSED PROFESSIONAL LAND SURVEYOR

SITE NAME: ALICE LLOYD
 SITE NUMBER: KYALU6157
 SITE ADDRESS: 490 JACOBS RIDGE RD
 PIPPA PASSES, KY 41844
 AREA: 4,000 SF
 PROPERTY OWNER: AFO JEAN JACOBS
 P.O. BOX 92
 PIPPA PASSES, KY 41844
 TAX MAP #: N/A
 PARCEL NUMBER: 70-00-00-008.00
 SOURCE OF TITLE: DEED BOOK 267 PAGE 418
 LATITUDE: N 37° 20' 33.171"
 LONGITUDE: W 82° 53' 00.004"

NO.	BY	DESCRIPTION	DATE	CHK
1	BF	UPDATE PVA DATA	01/12/16	PCH



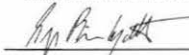
TITLE: COMMUNICATIONS SITE SURVEY

SHEET: C-1

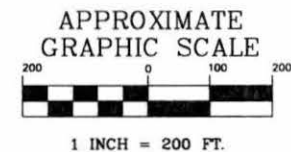
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George Brian Wyatt, PLS 2328 January 18, 2016 Date

- ① PARCEL NUMBER: 070-00-00-008.00
Afo Jean Jacobs
P.O. Box 92
Pippa Passes, Kentucky 41844
- ② PARCEL NUMBER: 070-00-00-008.01
The Truck Store, Inc.
P.O. Box 454
Hindman, Kentucky 41822
- ③ PARCEL NUMBER: 079-00-00-051.00
Alice Lloyd College
100 Purpose Road
Pippa Passes, Kentucky 41844
- ④ PARCEL NUMBER: 070-00-00-009.00
Burnis & Mary Lois Jacobs
P.O. Box 33
Pippa Passes, Kentucky 41844
- ⑤ PARCEL NUMBER: 070-00-00-005.00
Kurt & Lisa Sandlin
P.O. Box 174
Pippa Passes, Kentucky 41844
- ⑥ PARCEL NUMBER: 070-00-00-009.01
Allison Jacobs
P.O. Box 33
Pippa Passes, Kentucky 41844
- ⑦ PARCEL NUMBER: 070-00-00-010.00
Glenna Jacobs Gross
P.O. Box 456
Loyall, Kentucky 40854
- ⑧ PARCEL NUMBER: 070-00-00-007.00
Donald G. & Kathy H. Mullins
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1000 WEST MAIN STREET
LOUISVILLE, KENTUCKY 40203
PHONE: (502) 456-8402
FAX: (502) 456-8127



STATE of KENTUCKY
GEORGE BRIAN
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SITE NAME:		ALICE LLOYD
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NO.	BY	DESCRIPTION	DATE	CHK	POK
1	BW	UPDATE PVA DATA	01/12/16		

TITLE:
COMMUNICATIONS
SITE SURVEY

SHEET:
C-1A

EXHIBIT M
COPY OF POSTED NOTICES

SITE NAME: ALICE LLOYD
NOTICE SIGNS

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word "**tower**," which is at least four (4) inches in height.

New Cingular Wireless PCS, LLC d/b/a AT&T Mobility proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165 (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2016-00067 in your correspondence.

New Cingular Wireless PCS, LLC d/b/a AT&T Mobility proposes to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165 (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2016-00067 in your correspondence.

VIA TELEFAX: 606-785-0105

The Troublesome Creek Times
Attn: Sharon Hall
27 E. Main St.
P.O. Box 1500
Hindman, KY 41822

RE: Legal Notice Advertisement
Site Name: Alice Lloyd

Dear Ms. Riddle:

Please publish the following legal notice advertisement in the next edition of *The Troublesome Creek Times*:

NOTICE

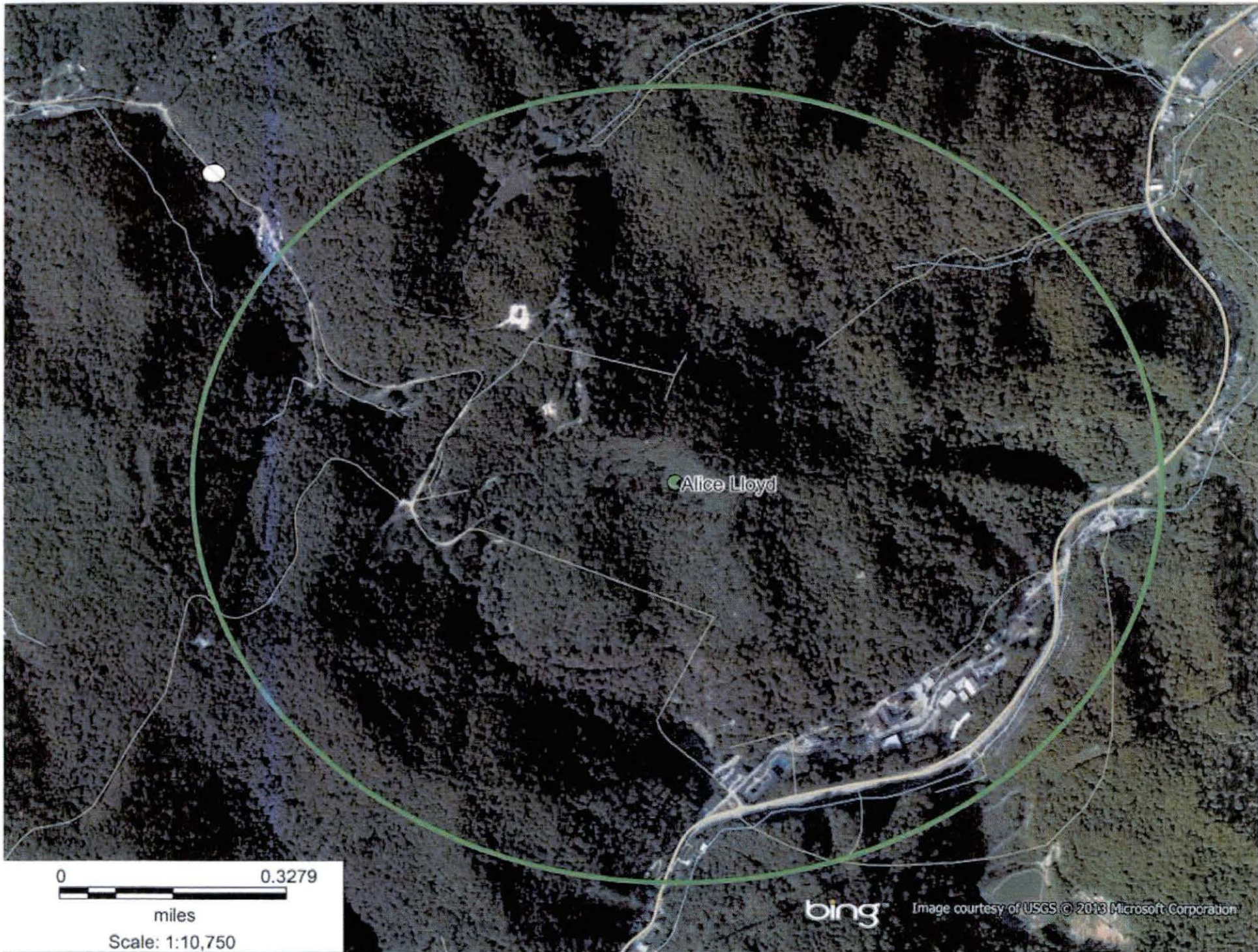
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After this advertisement have been published, please forward a tearsheet copy, affidavit of publication, and invoice to Pike Legal Group, PLLC, P. O. Box 369, Shepherdsville, KY 40165. Please call me at (800) 516-4293 if you have any questions. Thank you for your assistance.

Sincerely,

Aaron L. Roof
Pike Legal Group, PLLC

EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



Alice Lloyd

0 0.3279

miles

Scale: 1:10,750

bing

Image courtesy of USGS © 2013 Microsoft Corporation