

RECEIVED

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

MAR 14 2014

PUBLIC SERVICE
COMMISSION

In the Matter of:

THE APPLICATION OF)
NEW CINGULAR WIRELESS PCS, LLC)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO.: 2013-00427
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF KNOTT)

SITE NAME: HINDMAN

* * * * *

**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.

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.

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 290 Perkins Madden Road, Hindman, Kentucky 41822 (37°19'27.859" North latitude, 82°58'32.537" 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 Eddie and Bonnie Owens pursuant to a Deed recorded at Deed Book 194, Page 514 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**, along with a map of suitable scale showing the location of the proposed new construction as well as the location of any like facilities located anywhere within the map area, along with a map key showing the owner of such other facilities.

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. A report detailing Applicant's site selection process for the subject site (including documentation as to why co-location is not possible for this site) is attached as **Exhibit E**.

11. A copy of the Determination of No Hazard to Air Navigation issued by the Federal Aviation Administration ("FAA") is attached as **Exhibit F**.

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

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 H**. 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 I**. The name and telephone number of the preparer of **Exhibit I** 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 J**.

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 Tommy Bailey 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 an appropriate scale 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 K** and **Exhibit L**, 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 M**.

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 N**. Notice of the location of the proposed facility has also been published in a newspaper of general circulation in the county in which the WCF is proposed to be located.

23. The general area where the proposed facility is to be located is on a heavily wooded hillside. No residential structures are located within a 500-foot radius of the proposed tower location.

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 O**.

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

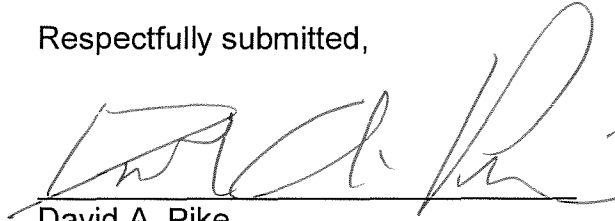
to:

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

Patrick W. Turner
General Attorney-Kentucky
AT&T Kentucky
1600 Williams Street
Suite 5200
Columbia, South Carolina 29201
Telephone: (803) 401-2900
Telefax: (803) 254-1731
Email: pt1285@att.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 and Map of Like Facilities in Vicinity
- E - Co-location Report
- F - FAA
- G - Kentucky Airport Zoning Commission
- H - Geotechnical Report
- I - Directions to WCF Site
- J - Copy of Real Estate Agreement
- K - Notification Listing
- L - Copy of Property Owner Notification
- M - Copy of County Judge/Executive Notice
- N - Copy of Posted Notices
- O - Copy of Radio Frequency Design Search Area

EXHIBIT A
FCC LICENSE DOCUMENTATION

Commonwealth of Kentucky
Trey Grayson, Secretary of State

8/6/2009

Division of Corporations
Business Filings

P. O. Box 718
Frankfort, KY 40602
(502) 564-2848
<http://www.sos.ky.gov>

Certificate of Authorization

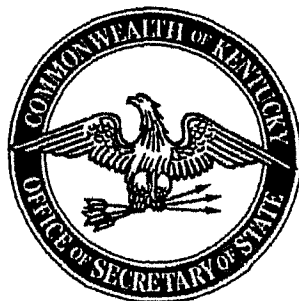
Authentication Number: 84012
Jurisdiction: Briggs Law Office, PSC
Visit <http://apps.sos.ky.gov/business/obdb/certvaldate.aspx> to authenticate this certificate.

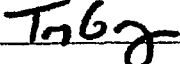
I, Trey Grayson, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,
NEW CINGULAR WIRELESS PCS, LLC

, a limited liability company organized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky and received the authority to transact business in Kentucky on October 14, 1999.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 275.190 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 6th day of August, 2009.




Trey Grayson
Secretary of State
Commonwealth of Kentucky
84012/0481848

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	08/30/2013	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
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Licensee

NEW CINGULAR WIRELESS PCS, LLC 2200 N. Greenville Ave, 1W Richardson, TX 75082 ATTN Reginald Youngblood	P:(972)234-7003 F:(972)301-6893 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	07/07/2005	Expiration	06/23/2015
Effective	11/24/2012	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
-----	------------	------	---------------------------

Licensee

NEW CINGULAR WIRELESS PCS, LLC 2200 N. Greenville Ave, 1W Richardson, TX 75082 ATTN Reginald Youngblood	P:(972)234-7003 F:(972)301-6893 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.

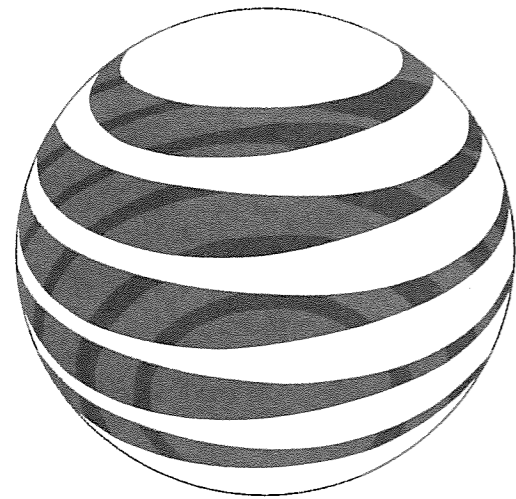
Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

EXHIBIT B

SITE DEVELOPMENT PLAN:

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



at&t

HINDMAN

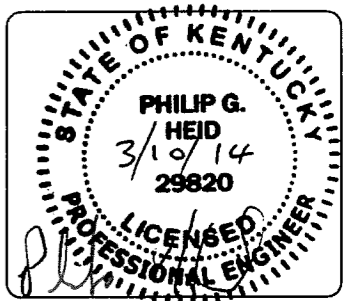
SITE ID: KYALU6156

290 PERKINS MADDEN RD
 KNOTT COUNTY
 HINDMAN, KENTUCKY 41822

PROPOSED 255' SELF-SUPPORT
 WITH MULTIPLE EQUIPMENT LOCATIONS



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



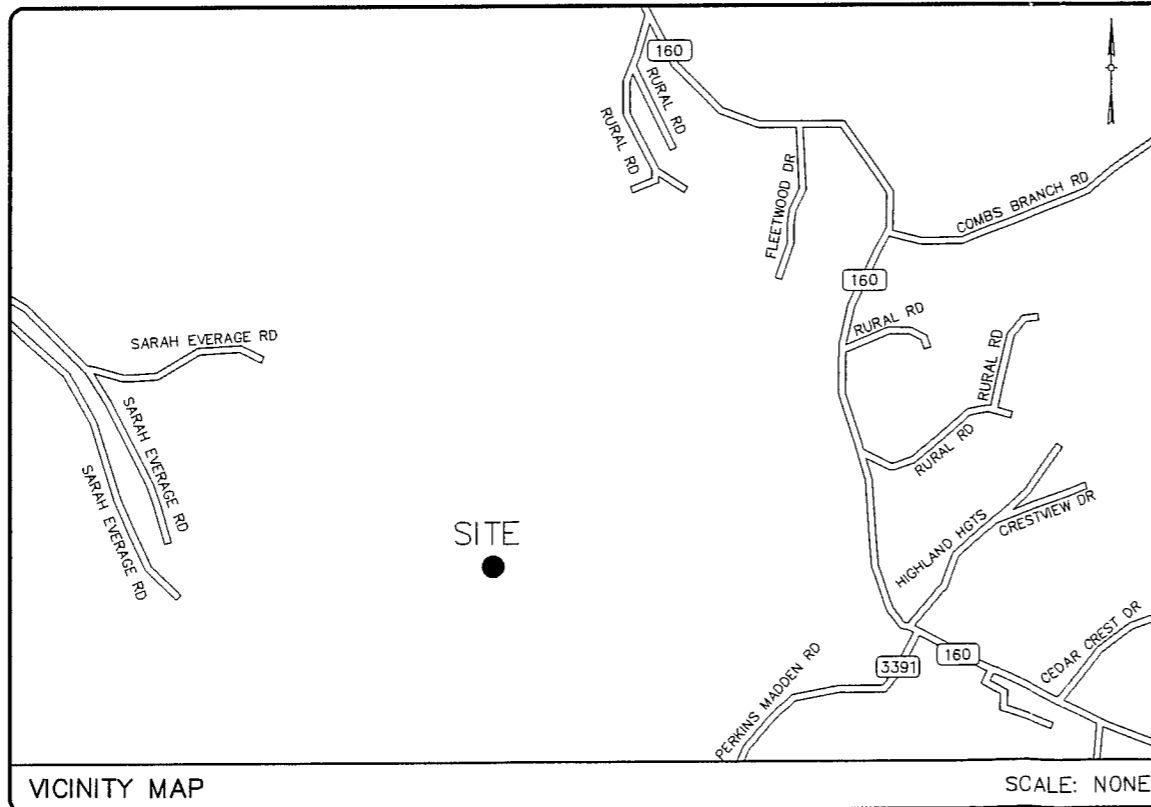
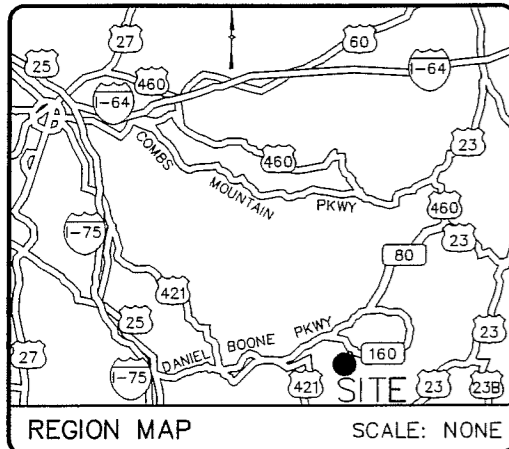
SCOPE OF WORK:

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 _____
 WESTOWER _____ CONSTRUCTION MANAGER
 WESTOWER _____ SITE ACQUISITION

SIGNATURE BOX

SHT NO.	DESCRIPTION
T-1	TITLE SHEET
C-1	500' RADIUS VICINITY MAP
C-1A	500' RADIUS VICINITY MAP
C-2	COMMUNICATIONS SITE SURVEY
C-2A	COMMUNICATIONS SITE SURVEY
Z-2	OVERALL SITE LAYOUT
Z-2A	OVERALL SITE LAYOUT (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

SITE NAME: HINDMAN

SITE ID NUMBER: KYALU6156

SITE ADDRESS: 290 PERKINS MADDEN RD HINDMAN, KY 41822

LATITUDE: 37° 19' 27.859" N
 LONGITUDE: 82° 58' 32.537" W

TAX MAP NUMBER: N/A

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE: DEED BOOK 194, PAGE 514
 DEED BOOK 205, PAGE 681

PROPERTY OWNER: EDDIE & BONNIE OWENS
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822
 CONTACT: EDDIS OWENS
 PHONE: (606) 438-5061

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

DESIGN ENGINEERS

SITE NAME
 HINDMAN

SITE ID NUMBER
 KYALU6156

SITE ADDRESS
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822

1A COORDINATES
 LAT: 37° 19' 27.859"
 LONG: 82° 58' 32.537"
 ELEV: ±1511.6 (NAVD 88)

PROPERTY OWNER
 EDDIE & BONNIE OWENS
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822
 CONTACT: EDDIE OWENS
 PHONE: (606) 438-5061

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
 49-00-00-059.01

SOURCE OF TITLE
 DEED BOOK 194, PAGE 514
 DEED BOOK 205, PAGE 681

LEASE AREA
 4,000 SF

PROJECT INFORMATION

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

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

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

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

CONTACT INFORMATION

DIRECTIONS FROM COUNTY SEAT: FROM HINDMAN AT THE CORNER OF SR 160 AND SR 550, PROCEED EAST ON SR 160 APRX 1.40 MILES TO SR 3391/PERKINS MADDEN RD AND TURN RIGHT. FOLLOW SR 3391/PERKINS MADDEN RD TO SITE ON RIGHT.

DIRECTIONS FROM WINCHESTER AT&T MTS: 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 7.0 MILES TO SR 80 AND TURN RIGHT. PROCEED ON SR 80 APRX 26.50 MILES TO SR 160 AND TURN LEFT. CONTINUE ON SR 160 APRX 3.10 MILES TO SR 3391/PERKINS MADDEN RD AND TURN RIGHT. FOLLOW SR 3391/PERKINS MADDEN RD TO SITE ON RIGHT.

DIRECTIONS TO SITE

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

SURVEYOR

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	11/22/13
2	REISSUE FOR COMMENT	01/06/14
3	ISSUE FOR ZONING	03/10/14

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 3/07/2014. 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.



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

STATE OF KENTUCKY
GEORGE BRIAN WYATT
2328
LICENSED PROFESSIONAL LAND SURVEYOR

SITE NAME: HINDMAN

SITE I.D.: KYALU6156

SITE ADDRESS:
290 PERKINS MADDEN ROAD
HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER:
EDDIE & BONNIE OWENS
290 PERKINS MADDEN ROAD
HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

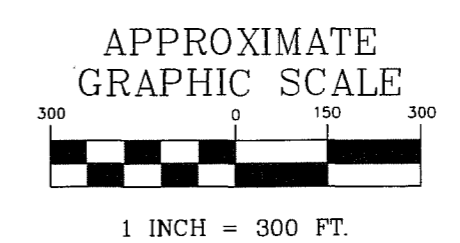
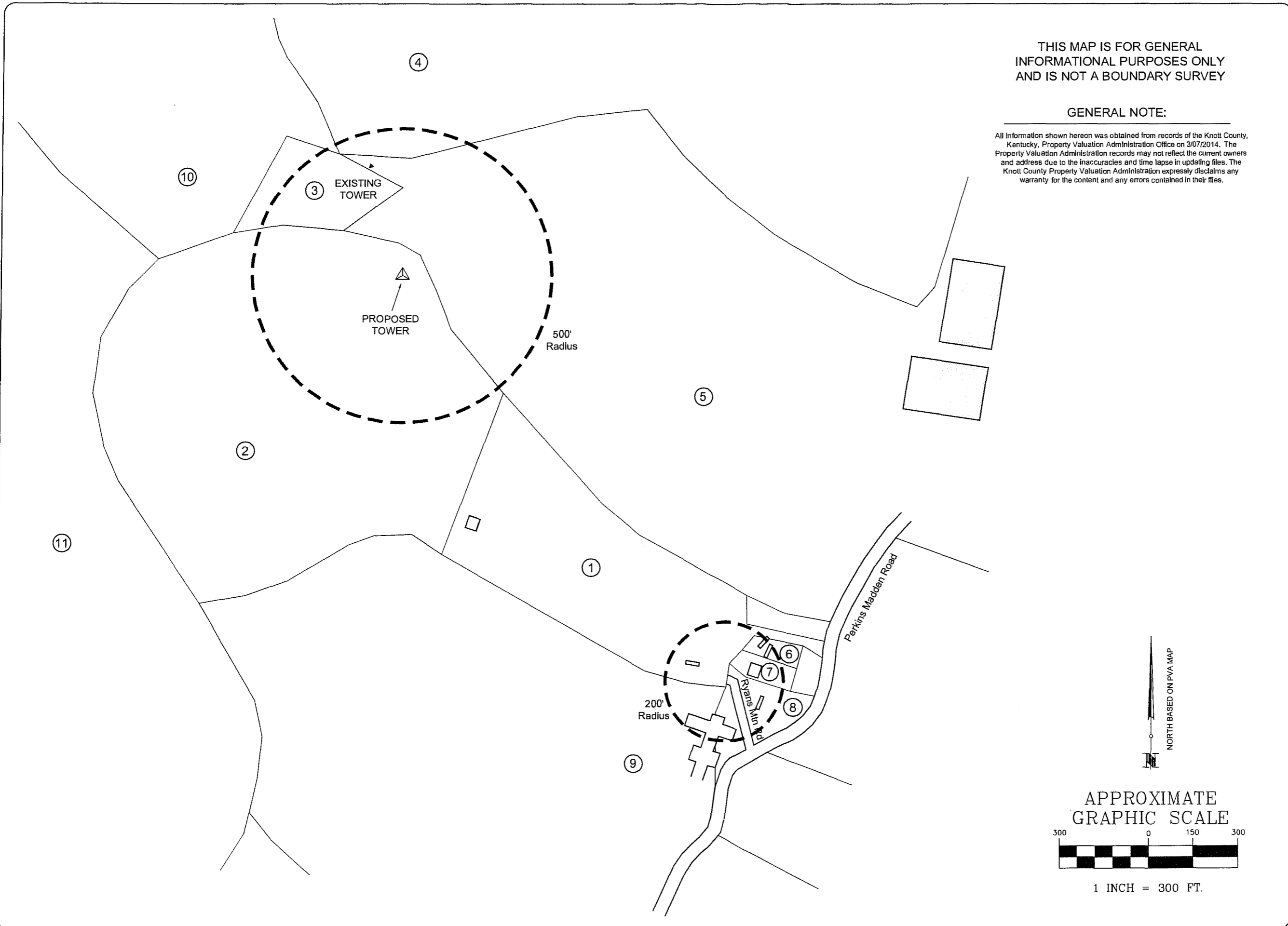
SOURCE OF TITLE:
DEED BOOK 194 PAGE 514
DEED BOOK 205 PAGE 681

LATITUDE: 37° 19' 27.859" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE:
500' RADIUS VICINITY MAP

SHEET:
C-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 3/07/2014. 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.

PARCEL NUMBER: 049-00-00-059.04
Eddie Owens
290 Perkins Madden Road
Hindman, Kentucky 41822

PARCEL NUMBER: 049-00-00-059.01
Eddie Owens & Bonnie Owens
290 Perkins Madden Road
Hindman, Kentucky 41822

PARCEL NUMBER: 049-00-00-057.02
PARCEL NUMBER: 049-00-00-59.03
East Kentucky Network, LLC
101 Technology Trail
Ivel, Kentucky 41642

PARCEL NUMBER: 049-70-20-044.00
Eloise Ingram
P.O. Box 23
Hindman, Kentucky 41822

PARCEL NUMBER: 049-00-00-57.00
Knott County Board of Education
P.O. Box 869
Hindman, Kentucky 41822

PARCEL NUMBER: 049-00-00-056.02
Rogers Auto Mart, Inc.
P.O. Box 1197
Hindman, Kentucky 41822

PARCEL NUMBER: 049-00-00-056.01
Benny Hall & Thelma Honeycutt
4350 Long Meadow Lane
Beaver Creek, Ohio 45430

PARCEL NUMBER: 049-00-00-060.05
Knott County Realty, LLC
P.O. Box 1450
Corbin, Kentucky 40702

PARCEL NUMBER: 049-00-00-60.00
Knott County
P.O. Box 505
Hindman, Kentucky 41882

PARCEL NUMBER: 049-00-00-59.02
L & B Oil and Gas, Inc.
P.O. Box 219
Harold, Kentucky 41635

PARCEL NUMBER: 038-00-00-16.03
Rachael Southwood
577 Ashley Way
Lexington, Kentucky 405035



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

STATE of KENTUCKY
GEORGE BRIAN
WYATT
2328
LICENSED
PROFESSIONAL
LAND SURVEYOR

SITE NAME: HINDMAN

SITE I.D.: KYALU6156

SITE ADDRESS:
290 PERKINS MADDEN ROAD
HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER:
EDDIE & BONNIE OWENS
290 PERKINS MADDEN ROAD
HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
DEED BOOK 194 PAGE 514
DEED BOOK 205 PAGE 681

LATITUDE: 37° 19' 27.859" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE:
500' RADIUS
VICINITY MAP

SHEET:
C-1A



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

STATE OF KENTUCKY
 GEORGE BRIAN WYATT
 2328
 LICENSED PROFESSIONAL
 LAND SURVEYOR

SITE NAME: HINDMAN

SITE I.D.: KYALU6156

SITE ADDRESS:
 290 PERKINS MADDEN ROAD
 HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER:
 EDDIE & BONNIE OWENS
 290 PERKINS MADDEN ROAD
 HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
 DEED BOOK 194 PAGE 514
 DEED BOOK 205 PAGE 681

LATITUDE: 37° 19' 27.859" N
 LONGITUDE: 82° 58' 32.537" W

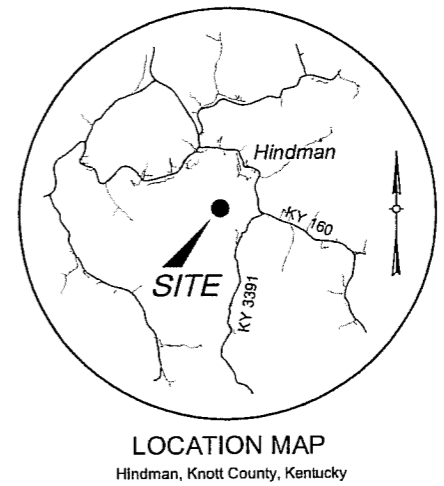
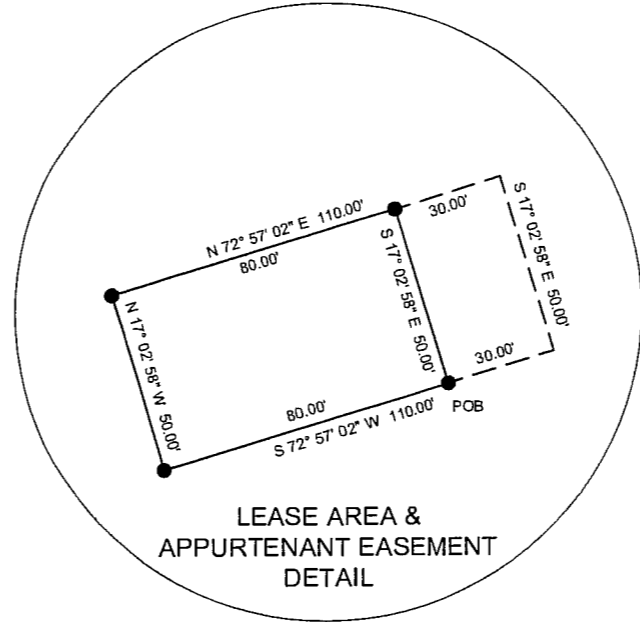
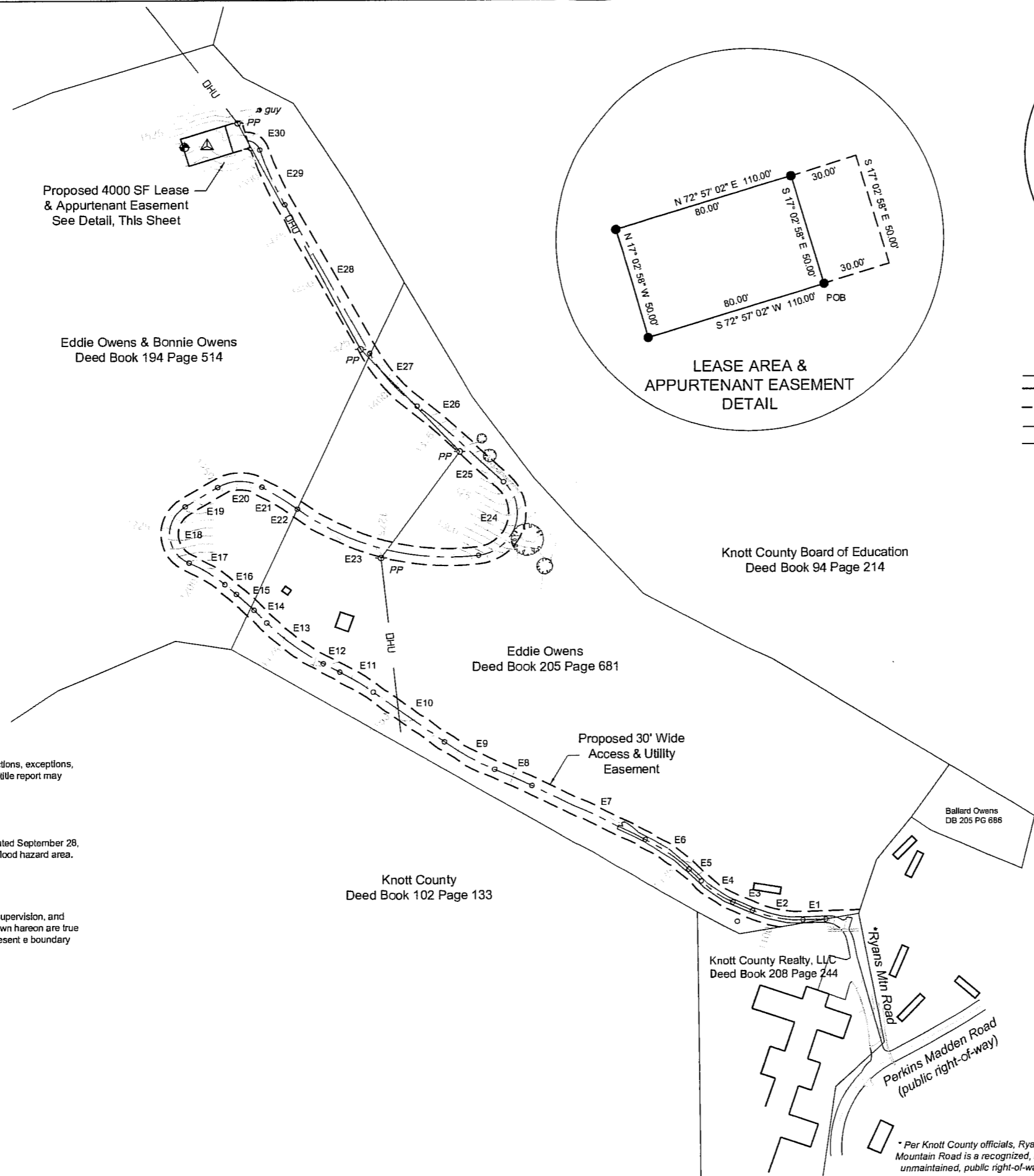
NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE:
 COMMUNICATIONS
 SITE SURVEY

SHEET:
 C-2

**ACCESS & UTILITY EASEMENT
 LINE & CURVE TABLE**

E1	S 88° 29' 56" W	40.66'	
E2	N 78° 45' 55" W	88.18'	R=200.00'
E3	N 66° 01' 46" W	36.59'	
E4	N 56° 19' 53" W	67.38'	R=200.00'
E5	N 46° 37' 59" W	29.73'	
E6	N 55° 26' 16" W	91.84'	R=300.00'
E7	N 64° 14' 33" W	220.81'	
E8	N 65° 51' 10" W	70.25'	R=1250.00'
E9	N 61° 04' 04" W	100.25'	R=450.00'
E10	N 54° 40' 22" W	151.43'	
E11	N 58° 36' 09" W	68.53'	R=500.00'
E12	N 62° 31' 56" W	32.71'	
E13	N 53° 45' 41" W	121.98'	R=400.00'
E14	N 44° 59' 27" W	31.52'	
E15	N 47° 22' 16" W	41.53'	R=500.00'
E16	N 49° 45' 05" W	26.68'	
E17	N 58° 05' 20" W	72.50'	R=250.00'
E18	N 03° 52' 26" W	99.39'	R=56.00'
E19	N 58° 40' 44" E	64.89'	
E20	N 89° 38' 24" E	77.17'	R=75.00'
E21	S 59° 23' 56" E	26.31'	
E22	S 56° 42' 32" E	46.93'	R=500.00'
E23	S 75° 19' 43" E	327.07'	R=450.00'
E24	N 18° 08' 00" E	136.20'	R=75.00'
E25	N 47° 05' 42" W	92.71'	
E26	N 50° 11' 12" W	80.90'	R=750.00'
E27	N 41° 18' 26" W	124.45'	R=300.00'
E28	N 29° 20' 11" W	302.82'	
E29	N 24° 14' 24" W	106.60'	R=600.00'
E30	N 51° 51' 16" W	27.02'	R=25.00'



LEGEND

- LEASE AREA LINE
- - - ACCESS EASEMENT LINE
- PROPERTY LINE
- DHU — OVERHEAD UTILITIES
- SET #5 REBAR OR MAG NAIL w/ CAP STAMPED "WYATT 2328" UNLESS OTHERWISE NOTED
- POB POINT OF BEGINNING
- PP UTILITY POLE
- guy GUY

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

NAD 1983
 LATITUDE: 37° 19' 27.859" N
 LONGITUDE: 82° 58' 32.537" W
 ELEVATION: 1511.6 (NAVD 88)
 STATE PLANE COORDINATE
 NORTHING: 3,653,691.13
 EASTING: 5,727,821.01

BENCHMARK
 NORTH: 3,653,688.77
 EAST: 5,727,782.16
 ELEVATION: 1513.72 (NAVD 88)
 LOCATION: Iron Pin w/Cap

APPROXIMATE GRAPHIC SCALE

1 INCH = 200 FT.

Basis of Bearings is State Plane Grid North, NAD 83, Kentucky Single Zone

NOTE
 This communications site survey is subject to all existing easements, restrictions, exceptions, servitude's, rights of way and prior laasas 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. 21119C0203C, dated September 28, 2007, the Lease Area is situated in Zone X 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 plot does not represent a boundary survey and is not intended for land transfer.

* Per Knott County officials, Ryans Mountain Road is a recognized, but unmaintained, public right-of-way

LEGAL DESCRIPTIONS

These are the descriptions of:

A tract of land conveyed to Eddie Owens and Bonnie Owens, his wife, in Deed Book 194 at Page 514, in the Office of the County Clerk of Knott County, Kentucky; and a tract of land conveyed to Eddie Owens in Deed Book 205 at Page 681, in the Office aforesaid.

An area to be leased from, and situated entirely within, the Eddie and Bonnie Owens tract; and

An easement for Access & Utilities on, over, and across both the Eddie and Bonnie Owens tract, and the Eddie Owens tract.

PARENT TRACT DESCRIPTIONS

Deed Book 194 Page 514

A certain tract or parcel of land lying and being on Coal Branch of Troublesome Creek, Knott County, Kentucky, and bounded and described as follows:

Beginning on three plum trees near a small drain on the north side of said coal branch; thence running with a conditional line made between L.J. Perkins and R.L. Draughan up the point a westward course to a large oak in the L.J. Perkins field to the top of the ridge; thence with the top of said ridge to a conditional line between L.J. Perkins and Daniel Hays and with said line down the spur to Red Oak; thence a straight line to the beginning.

Deed Book 205 Page 681

A certain parcel or tract of land lying and being in Knott County, Kentucky on Perkins Branch of Troublesome Creek, Two (2) miles South East of the city of Hindman, on Route 160 near Knott County Central High School, and more particularly described as follows:

BEGINNING at a iron pin at corner of Knott County Board of Education property and Perkins Madden Road, Route 3391, right; thence with Knott County Board of Education line to the Jesse J. Smith line; thence with Jesse Smith line back down the point to the hollow at the corner of Jesse Smith line and property of Knott County Fiscal Court property line; thence down the hollow with the property lines of Knott County Fiscal Court, nursing home, Vernon Hall and Henry Holcomb to the road; thence back with Route 3391 right-of-way to the beginning so as to include all the property of Forrest and Rose Owens.

DESCRIPTION OF PROPOSED LEASE AREA

NOTE: All bearings and distances are based on Grid North, Kentucky State Plane Coordinate System, Single Zone, NAD 1983.

Beginning at a point located in the northerly portion of the Eddie Owens and Bonnie Owens tract, as recorded in Deed Book 194 at Page 514, in the Office of the Knott County Clerk, said point being south of and approximately 195 feet from said tract's northeasterly corner, and being an iron pin with cap set at Latitude 37° 19' 27.726" and Longitude 82° 58' 32.029"; thence South 72 degrees 57 minutes 02 seconds West, a distance of 80.00 feet to an iron pin with cap; thence North 17 degrees 02 minutes 58 seconds West, a distance of 50.00 feet to an iron pin with cap; thence North 72 degrees 57 minutes 02 seconds East, a distance of 80.00 feet to an iron pin with cap; thence South 17 degrees 02 minutes 58 seconds East, a distance of 50.00 feet to the point of beginning, containing 4000.00 square feet, or 0.92 acres.

DESCRIPTION OF APPURTENANT EASEMENT AREA

NOTE: All bearings and distances are based on Grid North, Kentucky State Plane Coordinate System, Single Zone, NAD 1983.

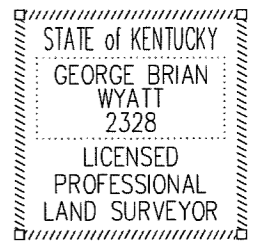
Beginning at the southeasterly corner of the above-described Lease Area; thence North 17 degrees 02 minutes 58 seconds West, a distance of 50.00 feet ; thence North 72 degrees 57 minutes 02 seconds East, a distance of 30.00 feet to a point; thence South 17 degrees 02 minutes 58 seconds East, a distance of 50.00 feet ; thence South 72 degrees 57 minutes 02 seconds West, a distance of 30.00 feet to the point of beginning, containing 1500.00 square feet, or 0.34 acres.

DESCRIPTION OF PROPOSED ACCESS & UTILITY EASEMENT

NOTE: All bearings and distances are based on Grid North, Kentucky State Plane Coordinate System, Single Zone, NAD 1983.

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 southerly line, said point being in the centerline of Ryans Mountain Road, a public right-of-way, thence South 88 degrees 29 minutes 56 seconds West, a distance of 40.66 feet to a point; thence with a curve to the right, of radius 200.00 feet, the chord of which bears North 78 degrees 45 minutes 55 seconds West, a distance of 88.18 feet to a point; thence North 66 degrees 01 minutes 46 seconds West, a distance of 36.59 feet to a point; thence with a curve to the right, of radius 200.00 feet, the chord of which bears N 56 degrees 19 minutes 53 seconds West, a distance of 67.38 feet to a point; thence North 46 degrees 37 minutes 59 seconds West, a distance of 29.73 feet to a point; thence with a curve to the left, of radius 300.00 feet, the chord of which bears North 55 degrees 26 minutes 16 seconds West, a distance of 91.84 feet to a point; thence North 64 degrees 14 minutes 33 seconds West, a distance of 220.81 feet to a point; thence with a curve to the left, of radius 1250.00 feet, the chord of which bears North 65 degrees 51 minutes 10 seconds West, a distance of 70.25 feet to a point; thence with a curve to the right, of radius 450.00 feet, the chord of which bears North 61 degrees 04 minutes 04 seconds West, a distance of 100.25 feet to a point; thence North 54 degrees 40 minutes 22 seconds West, a distance of 151.43 feet to a point; thence with a curve to the left, of radius 500.00 feet, the chord of which bears North 58 degrees 36 minutes 09 seconds West, a distance of 68.53 feet to a point; thence North 62 degrees 31 minutes 56 seconds West, a distance of 32.71 feet to a point; thence with a curve to the right of radius 400.00 feet, the chord of which bears North 53 degrees 45 minutes 41 seconds West, a distance of 121.98 feet to a point; thence North 44 degrees 59 minutes 27 seconds West, a distance of 31.52 feet to a point; thence with a curve to the left, of radius 500.00 feet, the chord of which bears North 47 degrees 22 minutes 16 seconds West, a distance of 41.53 feet to a point; thence North 49 degrees 45 minutes 05 seconds West, a distance of 26.68 feet to a point; thence with a curve to the left, of radius 250.00 feet, the chord of which bears North 58 degrees 05 minutes 20 seconds West, a distance of 72.50 feet to a point; thence with a curve to the right, of radius 56.00 feet, the chord of which bears North 03 degrees 52 minutes 26 seconds West, a distance of 99.39 feet to a point; thence North 58 degrees 40 minutes 44 seconds East, a distance of 64.89 feet to a point; thence with a curve to the right, of radius 75.00 feet, the chord of which bears North 89 degrees 38 minutes 24 seconds East, a distance of 77.17 feet to a point; thence South 59 degrees 23 minutes 56 seconds East, a distance of 26.31 feet to a point; thence with a curve to the right, of radius 500.00 feet, the chord of which bears South 56 degrees 42 minutes 32 seconds East, a distance of 46.93 feet to a point; thence with a curve to the left, of radius 450.00 feet, the chord of which bears South 75 degrees 19 minutes 43 seconds East, a distance of 327.07 feet to a point; thence with a curve to the left, of radius 75.00 feet, the chord of which bears North 18 degrees 08 minutes 00 seconds East, a distance of 136.20 feet to a point; North 47 degrees 05 minutes 42 seconds West, a distance of 92.71 feet to a point; thence with a curve to the left, of radius 750.00 feet, the chord of which bears North 50 degrees 11 minutes 12 seconds West, a distance of 80.90 feet to a point; thence with a curve to the right, of radius 300.00 feet, the chord of which bears North 41 degrees 18 minutes 26 seconds West, a distance of 124.45 feet to a point; thence North 29 degrees 20 minutes 11 seconds West, a distance of 302.82 feet to a point; thence with a curve to the right, of radius 600.00 feet, the chord of which bears North 24 degrees 14 minutes 24 seconds West, a distance of 106.60 feet to a point; thence with a curve to the left, of radius 25.00 feet, the chord of which bears North 51 degrees 51 minutes 16 seconds West, a distance of 27.02 feet to a point in the easterly line of the above-described Lease Area.



SITE NAME: HINDMAN

SITE I.D.: KYALU6156

SITE ADDRESS: 290 PERKINS MADDEN ROAD HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER: EDDIE & BONNIE OWENS 290 PERKINS MADDEN ROAD HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE: DEED BOOK 194 PAGE 514 DEED BOOK 205 PAGE 681

LATITUDE: 37° 19' 27.859" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

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 290 PERKINS MADDEN RD, HINDMAN, KY 41822.

2. THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZED DRIVE FROM AN EXISTING GRAVEL ROADWAY (PERKINS MADDEN RD) WHICH IS A PUBLIC RIGHT OF WAY. WATER, SANITARY SEWER, AND WASTE COLLECTIONS SERVICES ARE NOT REQUIRED FOR THE PROPOSED DEVELOPMENT.

3. CENTERLINE OF PROPOSED TOWER GEOGRAPHIC LOCATIONS:

LATITUDE: 37° 19' 27.859"N
LONGITUDE: 82° 58' 32.537"W

4. REMOVE ALL VEGETATION, CLEAN AND GRUB 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

UNDERGROUND UTILITIES

CALL 2 WORKING DAYS

BEFORE YOU DIG

INDIANA 1-800-382-5544

KENTUCKY 1-800-752-6007

OR DIAL 811

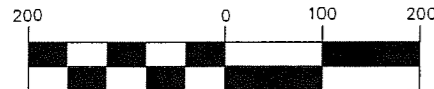
UTILITIES PROTECTION SERVICE

NON-MEMBERS MUST CALL DIRECTLY

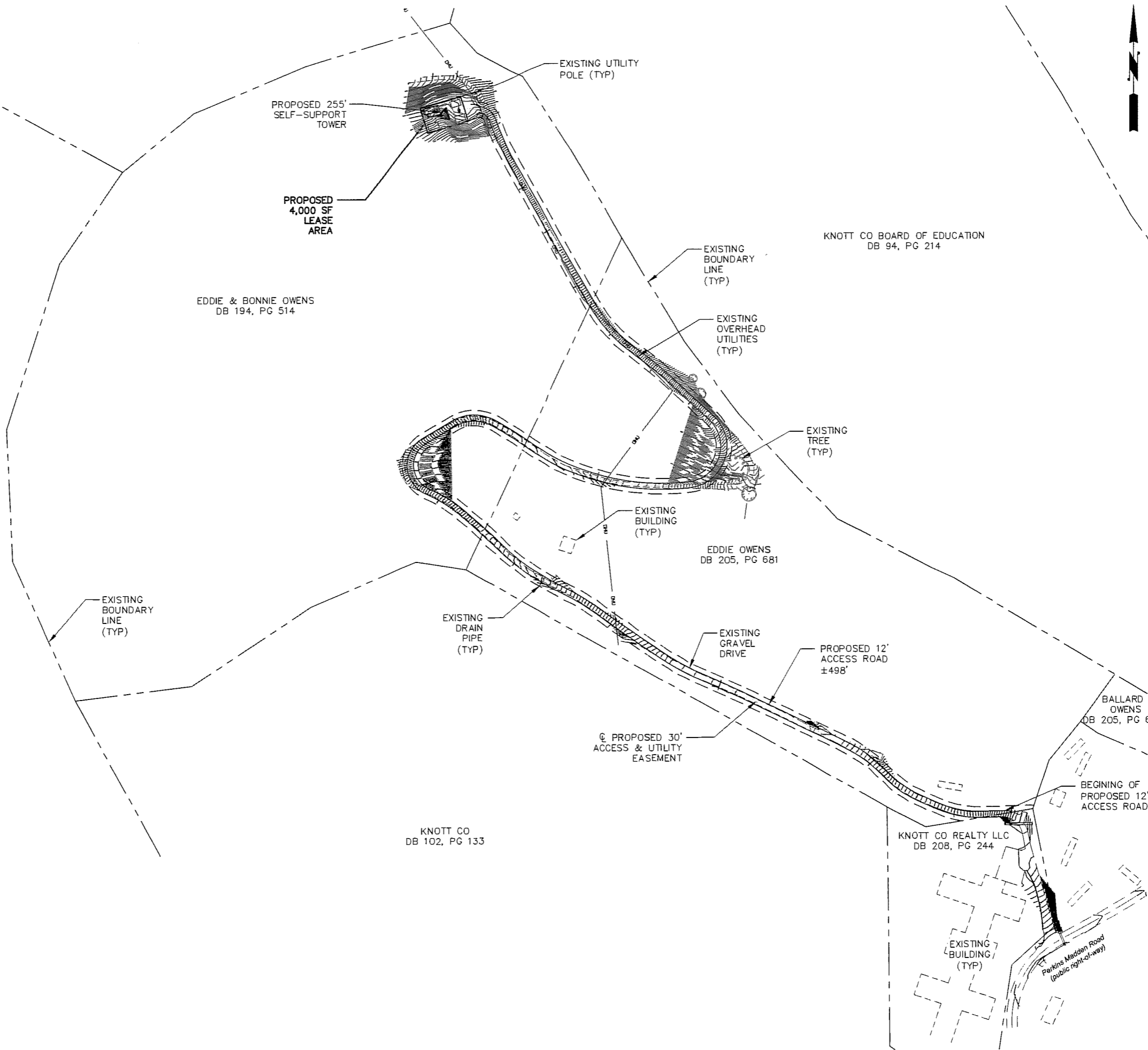
LEGEND

—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
—	FENCE LINE
—	POWER POLE
□ TELE PED	TELEPHONE PEDESTAL
⊗	WATER VALVES
⊕	FIRE HYDRANTS
•	BOLLARDS
⊗	GAS VALVES

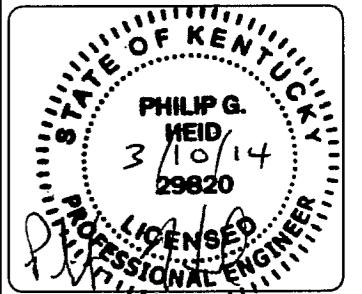
GRAPHIC SCALE



1 INCH = 200 FT.



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



SITE NAME: HINDMAN

SITE ID NUMBER: KYALU6156

SITE ADDRESS:
290 PERKINS MADDEN RD
HINDMAN, KY 41822

LATITUDE: 37° 19' 27.859" N
LONGITUDE: 82° 58' 32.537" W

TAX MAP NUMBER: N/A

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
DEED BOOK 194, PAGE 514
DEED BOOK 205, PAGE 681

PROPERTY OWNER:
EDDIE & BONNIE OWENS
290 PERKINS MADDEN RD
HINDMAN, KY 41822
CONTACT: EDDIS OWENS
PHONE: (606) 438-5061

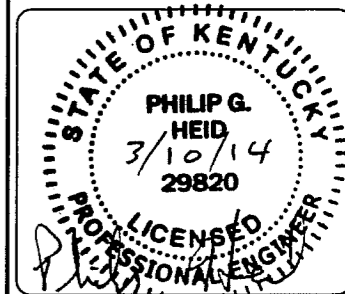
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1	ISSUE FOR COMMENT	11/22/13
2	REISSUE FOR COMMENT	01/06/14
3	ISSUE FOR ZONING	03/10/14

TITLE:
OVERALL SITE LAYOUT

SHEET:
Z-2



BT Engineering, Inc.
 3001 TAYLOR SPRINGS DRIVE
 LOUISVILLE, KENTUCKY 40220
 (502) 459-8402 PHONE
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SITE NAME: HINDMAN

SITE ID NUMBER: KYALU6156

SITE ADDRESS:
 290 PERKINS MADDEN RD
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LATITUDE: 37° 19' 27.859" N
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TAX MAP NUMBER: N/A

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SOURCE OF TITLE:
 DEED BOOK 194, PAGE 514
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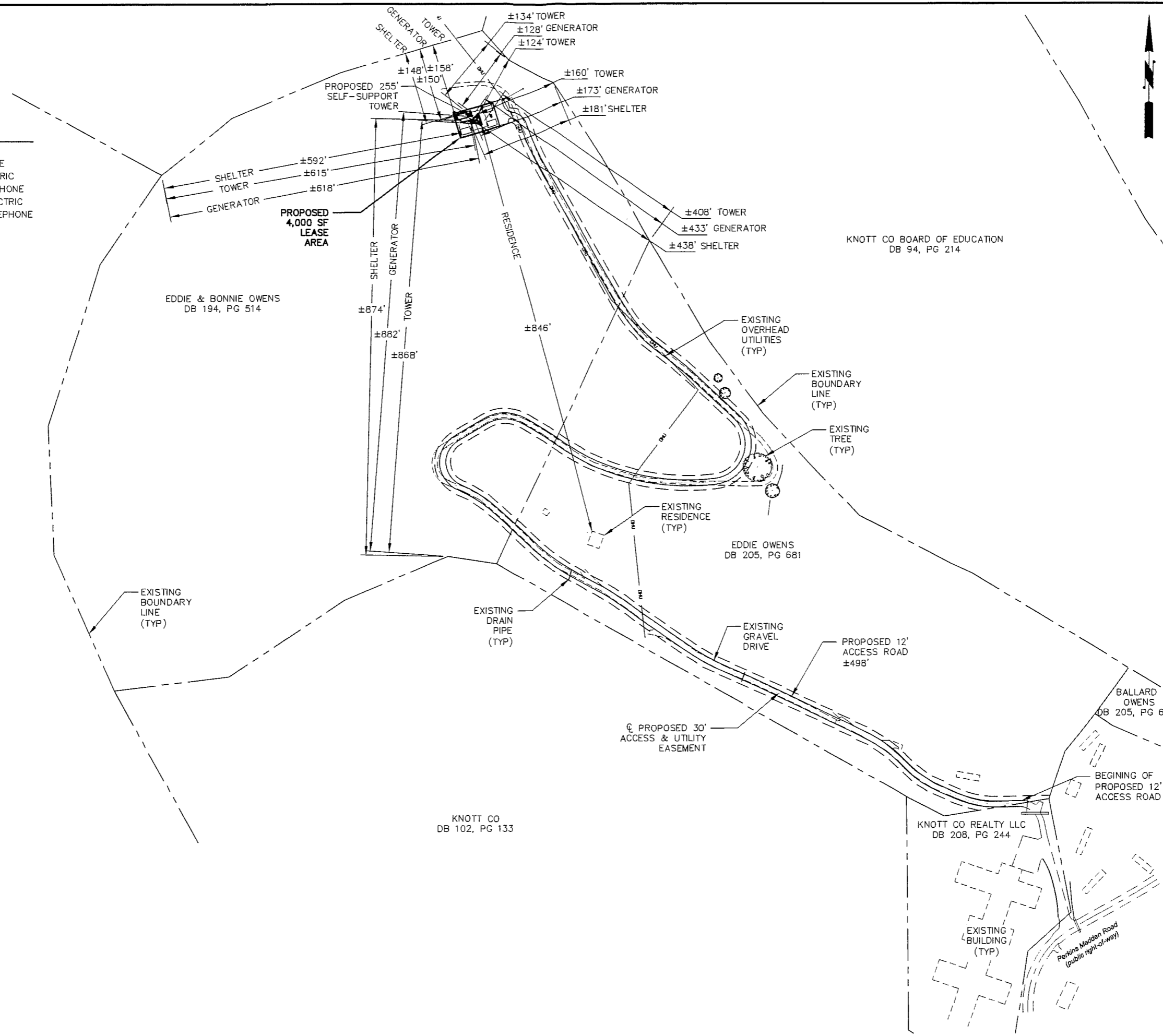
PROPERTY OWNER:
 EDDIE & BONNIE OWENS
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822
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NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	11/22/13
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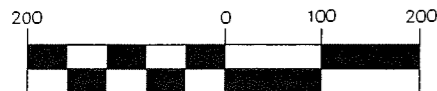
TITLE: OVERALL SITE LAYOUT (DIMENSIONS)

SHEET: Z-2A

- LEGEND**
- E — EXISTING OVERHEAD ELECTRIC
 - T — EXISTING OVERHEAD TELEPHONE
 - UE — EXISTING UNDERGROUND ELECTRIC
 - UT — EXISTING UNDERGROUND TELEPHONE
 - UE — PROPOSED UNDERGROUND ELECTRIC
 - UT — PROPOSED UNDERGROUND TELEPHONE
 - - - FENCE LINE
 - POWER POLE
 - TELEPHONE PEDESTAL
 - WATER VALVES
 - FIRE HYDRANTS
 - BOLLARDS
 - GAS VALVES



GRAPHIC SCALE



1 INCH = 200 FT.

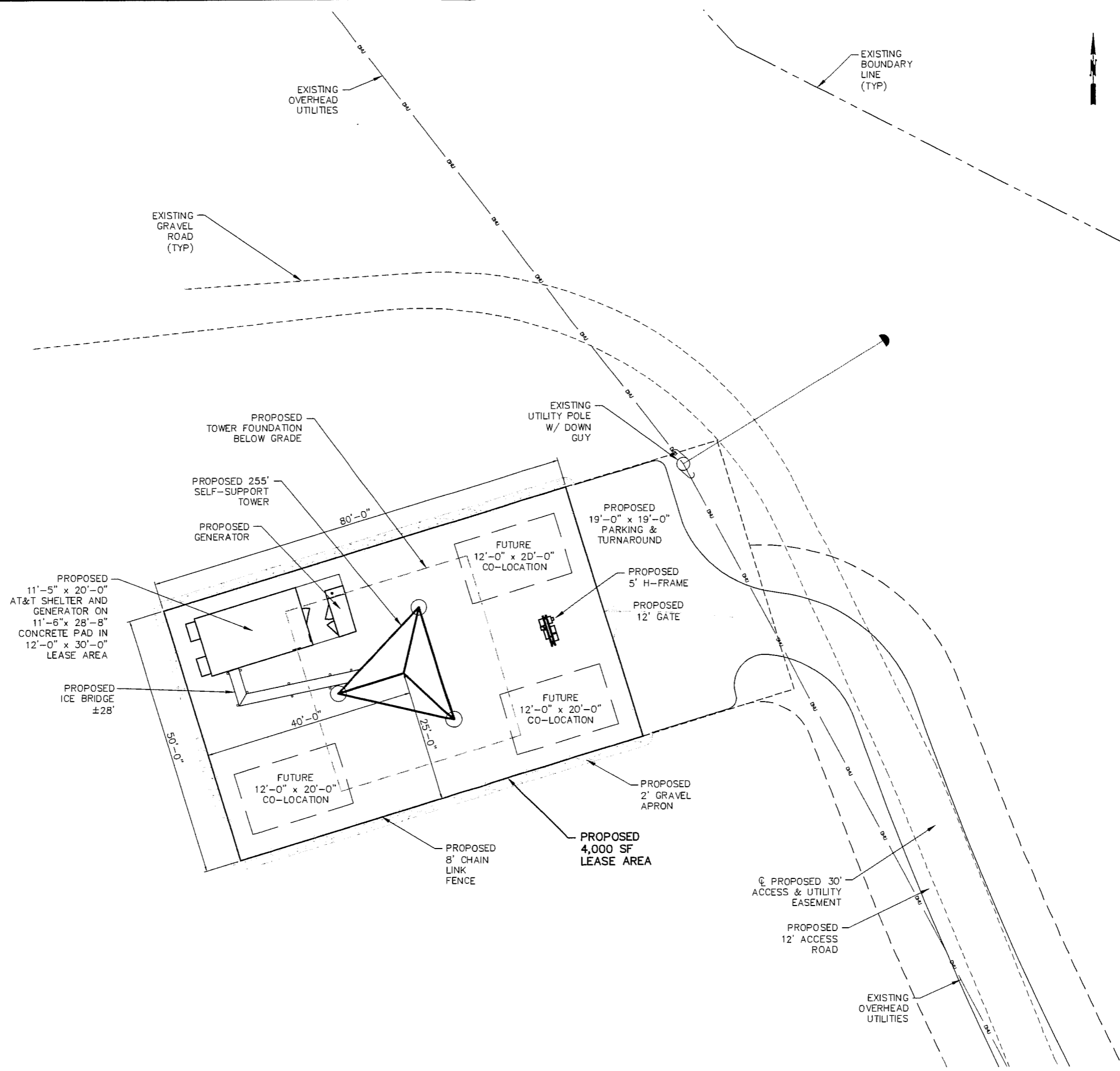
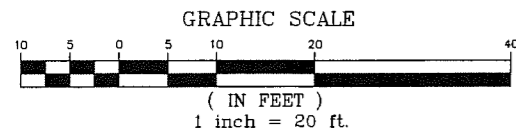
SITE PLAN NOTES

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 LATITUDE: 37° 19' 27.859"N
 LONGITUDE: 82° 58' 32.537"W
4. REMOVE ALL VEGETATION, CLEAN AND GRUB 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 CDNSTRUCTION.
7. COMPOUND FINISHED SURFACE TO BE FENCED

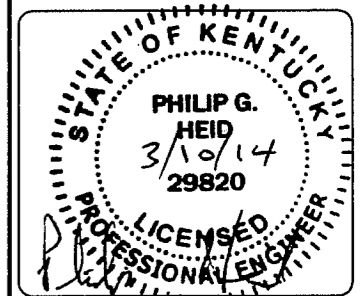
UNDERGROUND UTILITIES
 CALL 2 WORKING DAYS
BEFORE YOU DIG
 INDIANA 1-800-382-5544
 KENTUCKY 1-800-752-6007
 OR DIAL 811
 UTILITIES PROTECTION SERVICE
 NON-MEMBERS MUST CALL DIRECTLY

LEGEND

- E— EXISTING OVERHEAD ELECTRIC
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SITE NAME: HINDMAN

SITE ID NUMBER: KYALU6156

SITE ADDRESS:
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822

LATITUDE: 37° 19' 27.859" N
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TAX MAP NUMBER: N/A

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SOURCE OF TITLE:
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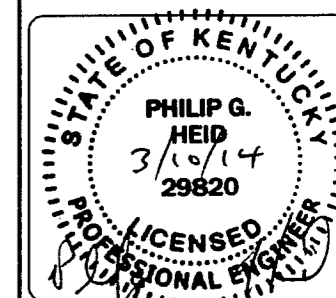
NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	11/22/13
2	REISSUE FOR COMMENT	01/06/14
3	ISSUE FOR ZONING	03/10/14

TITLE:
SITE LAYOUT

SHEET:
Z-3



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SITE NAME: HINDMAN

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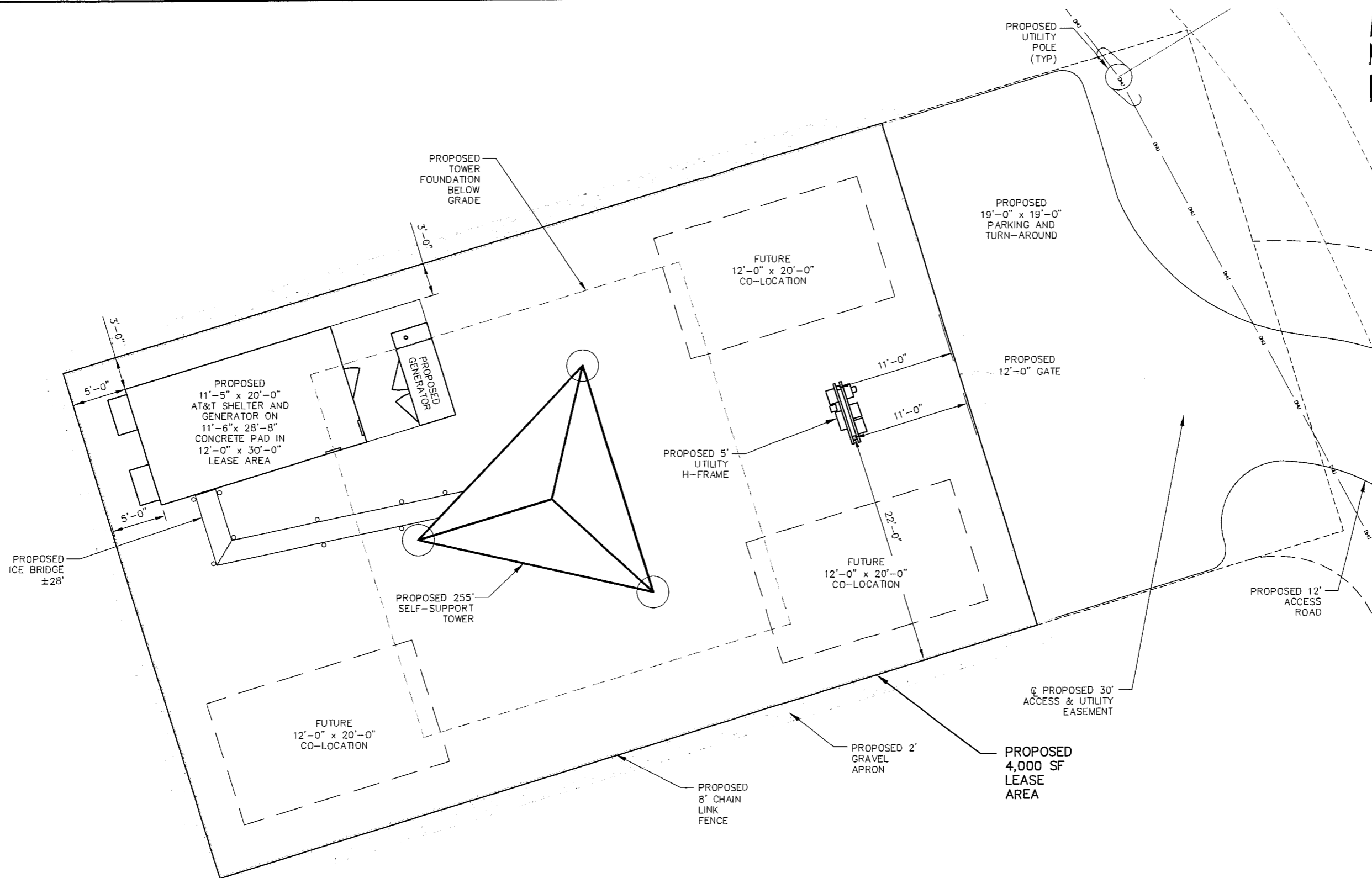
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NO	REVISION/ISSUE	DATE
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2	REISSUE FOR COMMENT	01/06/14
3	ISSUE FOR ZONING	03/10/14

TITLE:
AT&T SHELTER LAYOUT

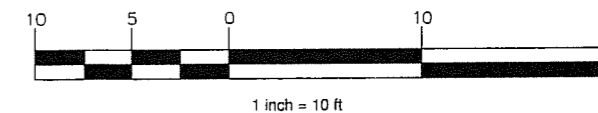
SHEET:
Z-4



LEGEND

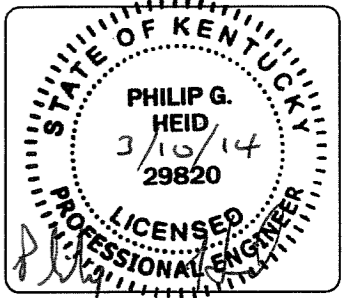
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- UE--- PROPOSED UNDERGROUND ELECTRIC
- UT--- PROPOSED UNDERGROUND TELEPHONE
- x— FENCE LINE
- POWER POLE
- TELE. PED. TELEPHONE PEDESTAL
- WATER VALVES
- ⊕ FIRE HYDRANTS
- BOLLARDS

GRAPHIC SCALE





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



SITE NAME: HINDMAN

SITE ID NUMBER: KYALU6156

SITE ADDRESS:
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822

LATITUDE: 37° 19' 27.859" N
 LONGITUDE: 82° 58' 32.537" W

TAX MAP NUMBER: N/A

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
 DEED BOOK 194, PAGE 514
 DEED BOOK 205, PAGE 681

PROPERTY OWNER:
 EDDIE & BONNIE OWENS
 290 PERKINS MADDEN RD
 HINDMAN, KY 41822
 CONTACT: EDDIS OWENS
 PHONE: (606) 438-5061

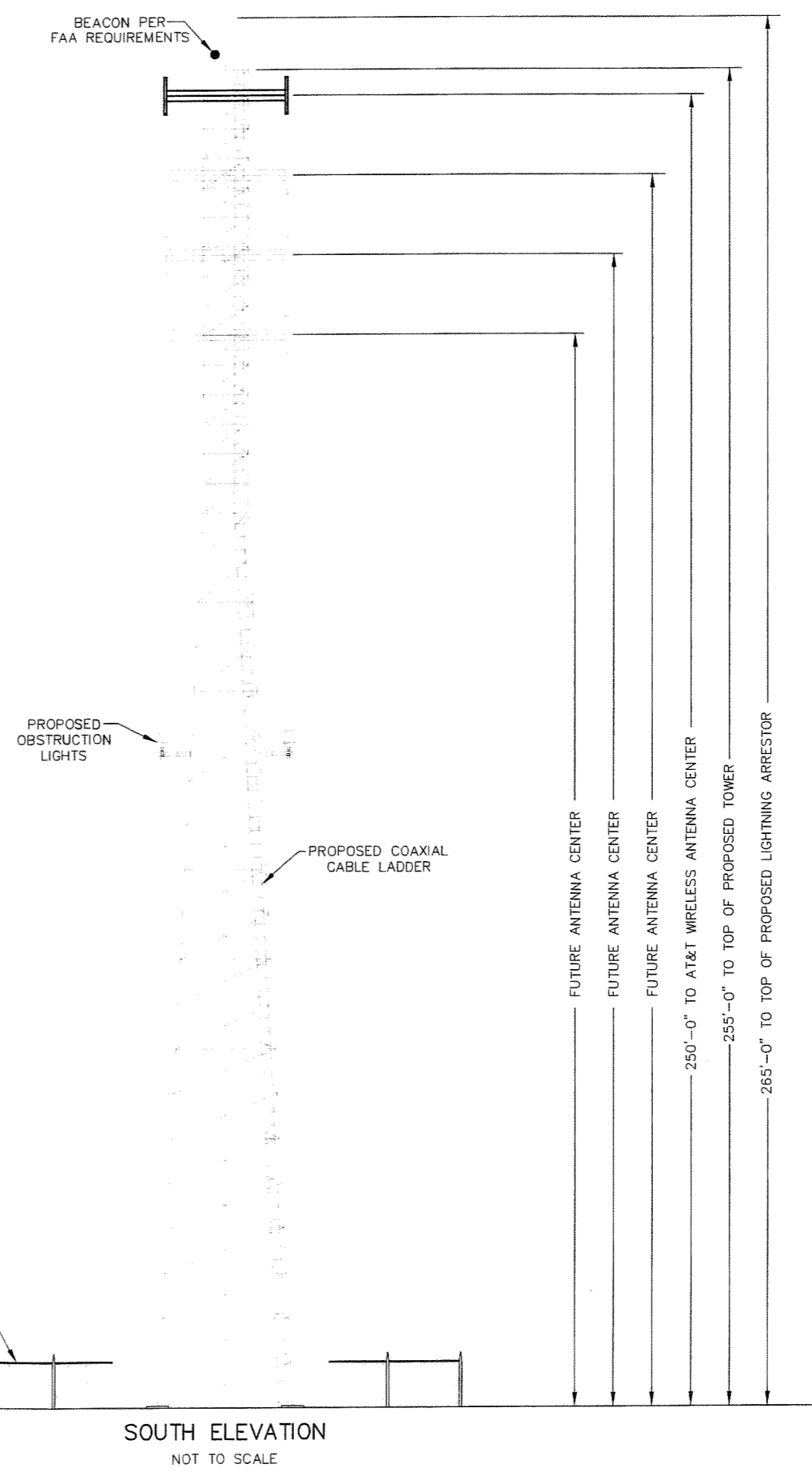
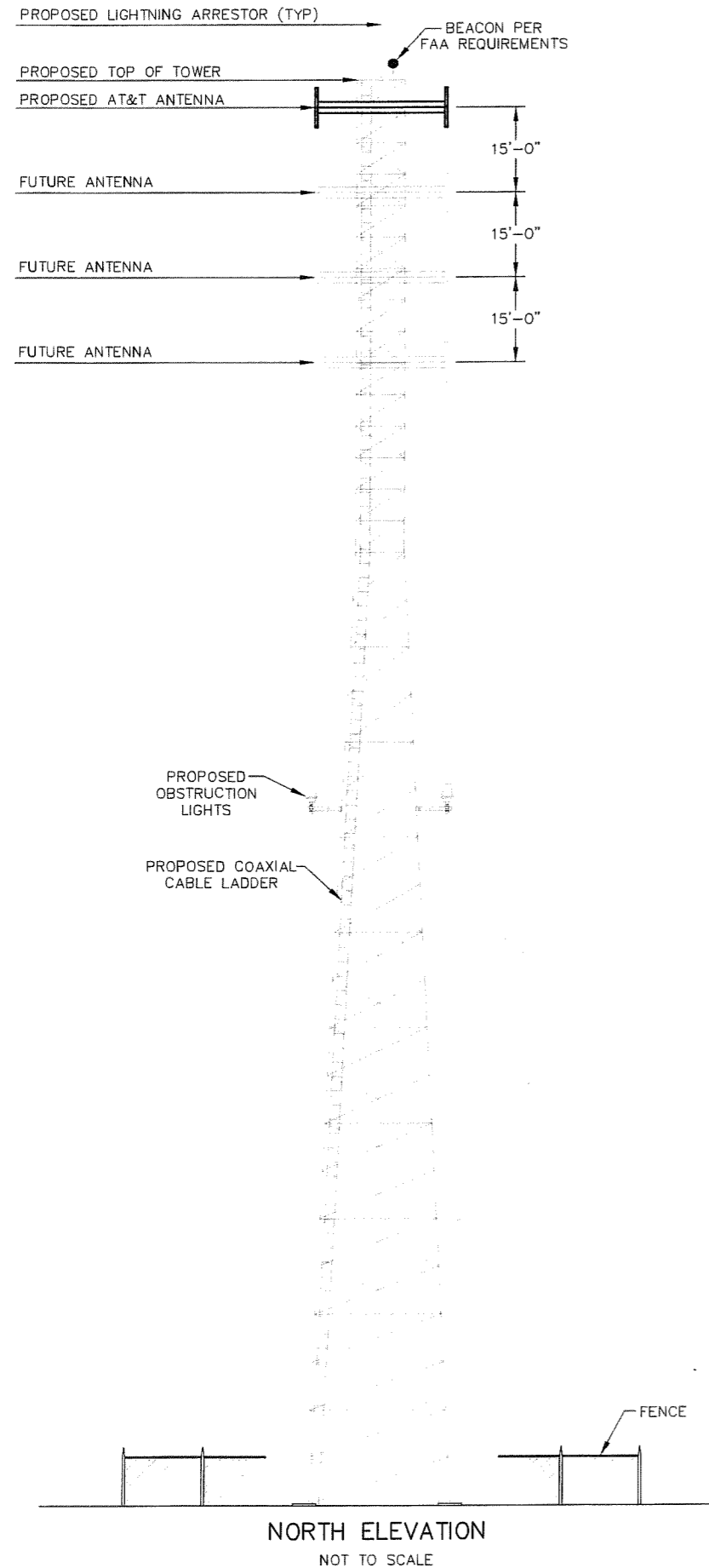
NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	11/22/13
2	REISSUE FOR COMMENT	01/06/14
3	ISSUE FOR ZONING	03/10/14

TITLE:
 NORTH/SOUTH
 TOWER ELEVATIONS

SHEET:
 Z-5

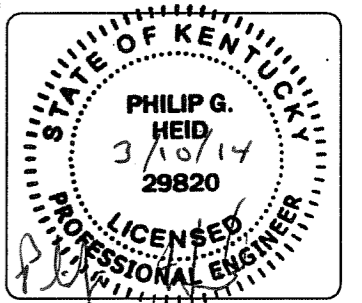
NOTE:

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BT Engineering, Inc.
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NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	11/22/13
2	REISSUE FOR COMMENT	01/06/14
3	ISSUE FOR ZONING	03/10/14

TITLE:
**EAST/WEST
 TOWER ELEVATIONS**

SHEET:
Z-6

NOTE:

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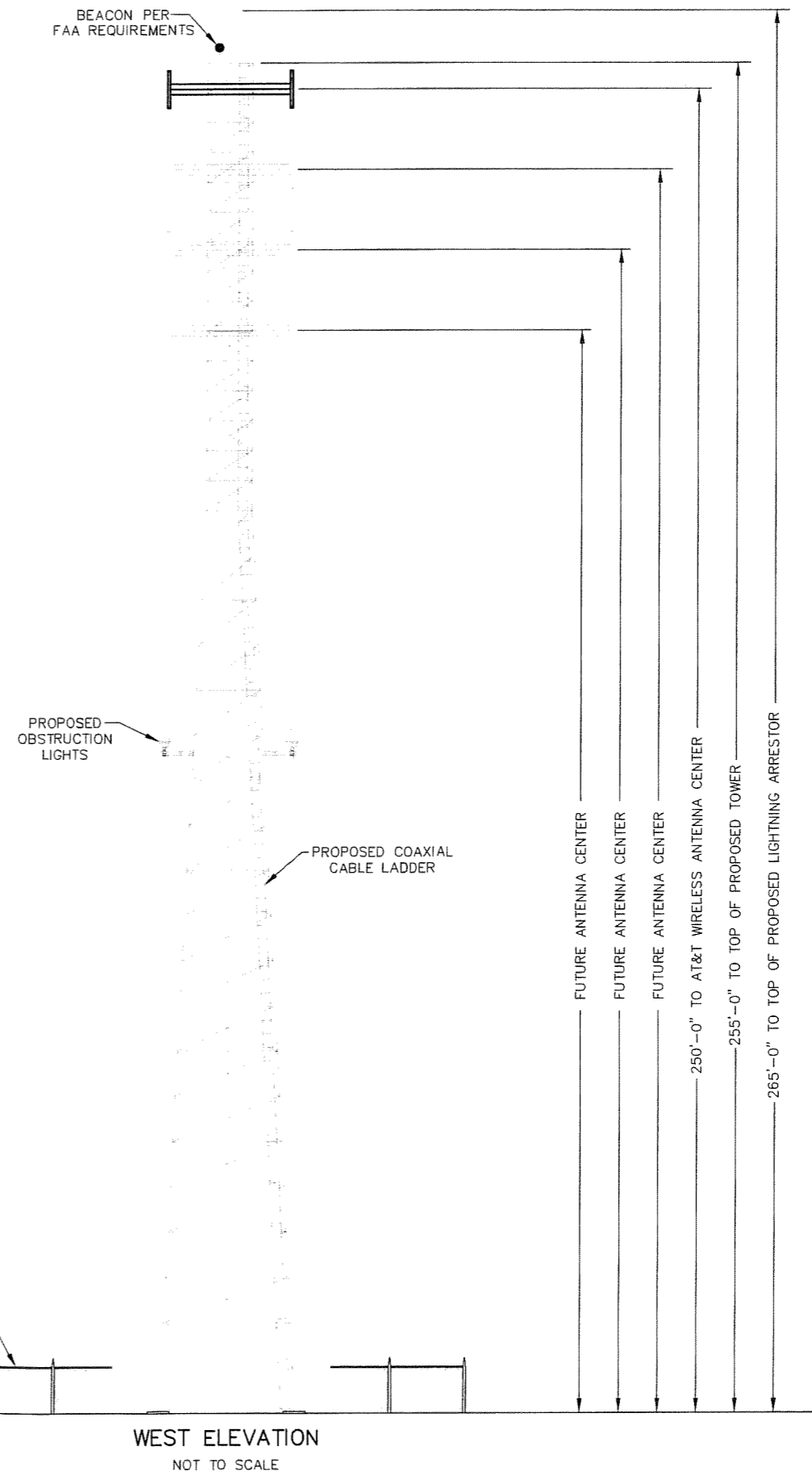
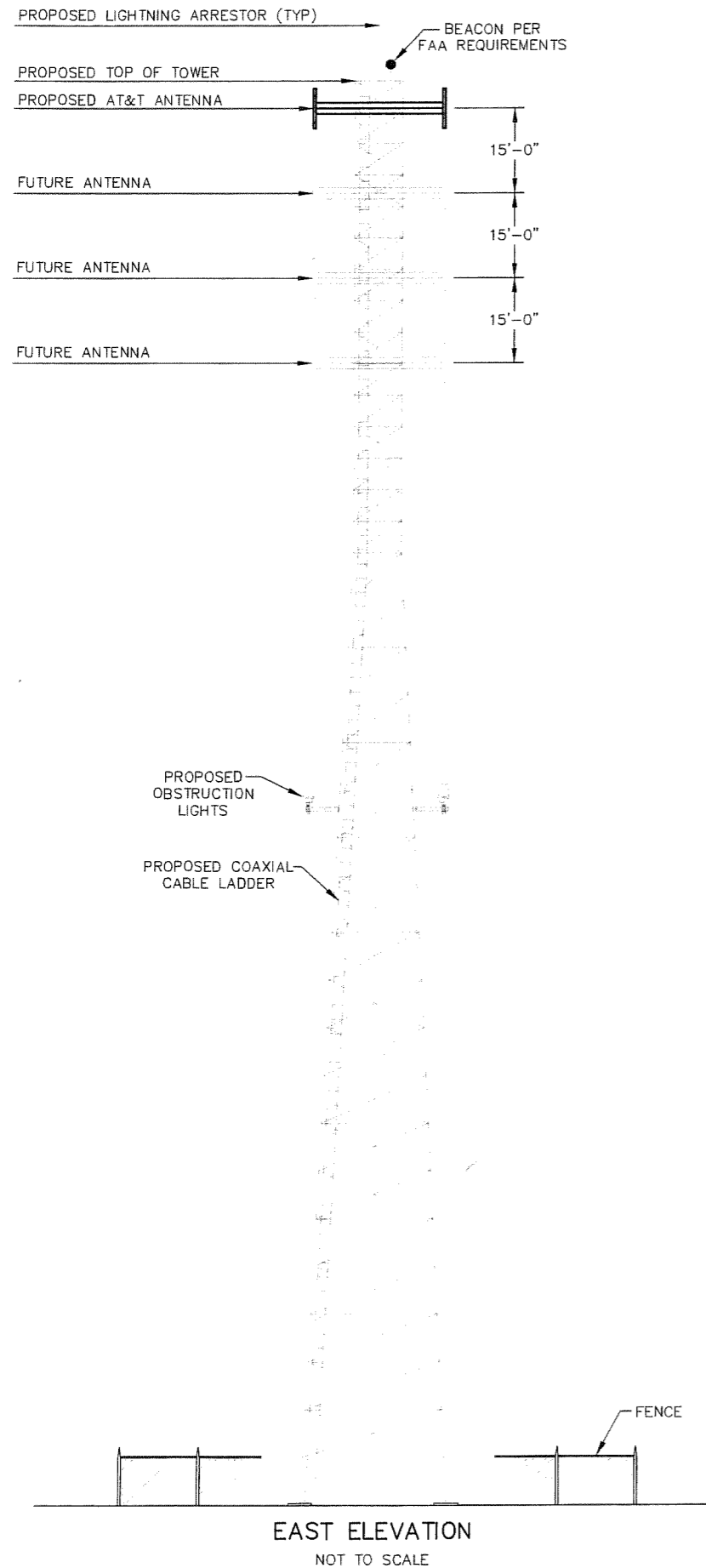


EXHIBIT C
TOWER AND FOUNDATION DESIGN



March 1, 2014

Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602-0615

RE: Site Name: Hindman
Proposed Cell Tower
37-19-27.859 North Latitude, 82-58-32.537 West Longitude

Dear Commissioners:

The Project / Construction Manager for the proposed new communications facility will be Tommy Bailey. His contact information is (606) 316-6620 or tbailey@westtower.com.

Tommy has been in the industry doing civil construction and constructing towers since 1983. He started in the industry with Andrew Corporation building MCI microwave sites across the US. He's worked for Southwest Bell, Cell One and AT&T. He has erected approximately fifty (50) cellular communications facilities and built over 1,000 civil sites for various carriers, nationwide.

He was also co-owner of EWS in Bastrop, TX for four (4) years installing radio equipment for T-Mobile and AT&T.

Thank you,

A handwritten signature in black ink, appearing to read "John Boud", with a long horizontal flourish extending to the right.

John Boud
Site Acquisition Manager: Kentucky Market
10400 Linn Station Rd., Suite 225, Louisville, KY 40223
jboud@westtower.com | 559.790.8855 (mobile)
www.westtower.com





STRUCTURES

January 9, 2014

Westower Communications

Attn: John Boud

SUBJECT: Valmont File # 243485
Model V-27.0 X 255' Self Supporting Tower
Site Name: Hindman -(AL6156), 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.

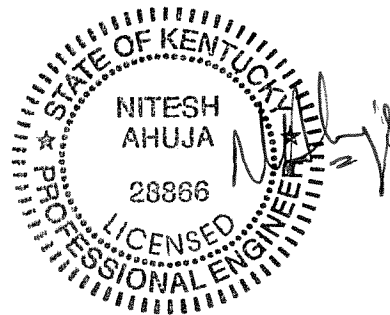
We are aware of few documented instances of a self supporting tower or monopole failure. Self supporting towers and monopoles can be designed such that the most common mode of failure is in the upper middle region of the tower, with the upper portion of the tower remaining connected and "bending and 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.

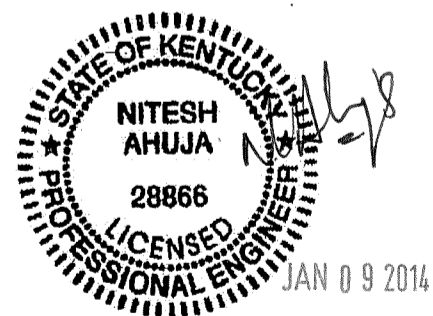
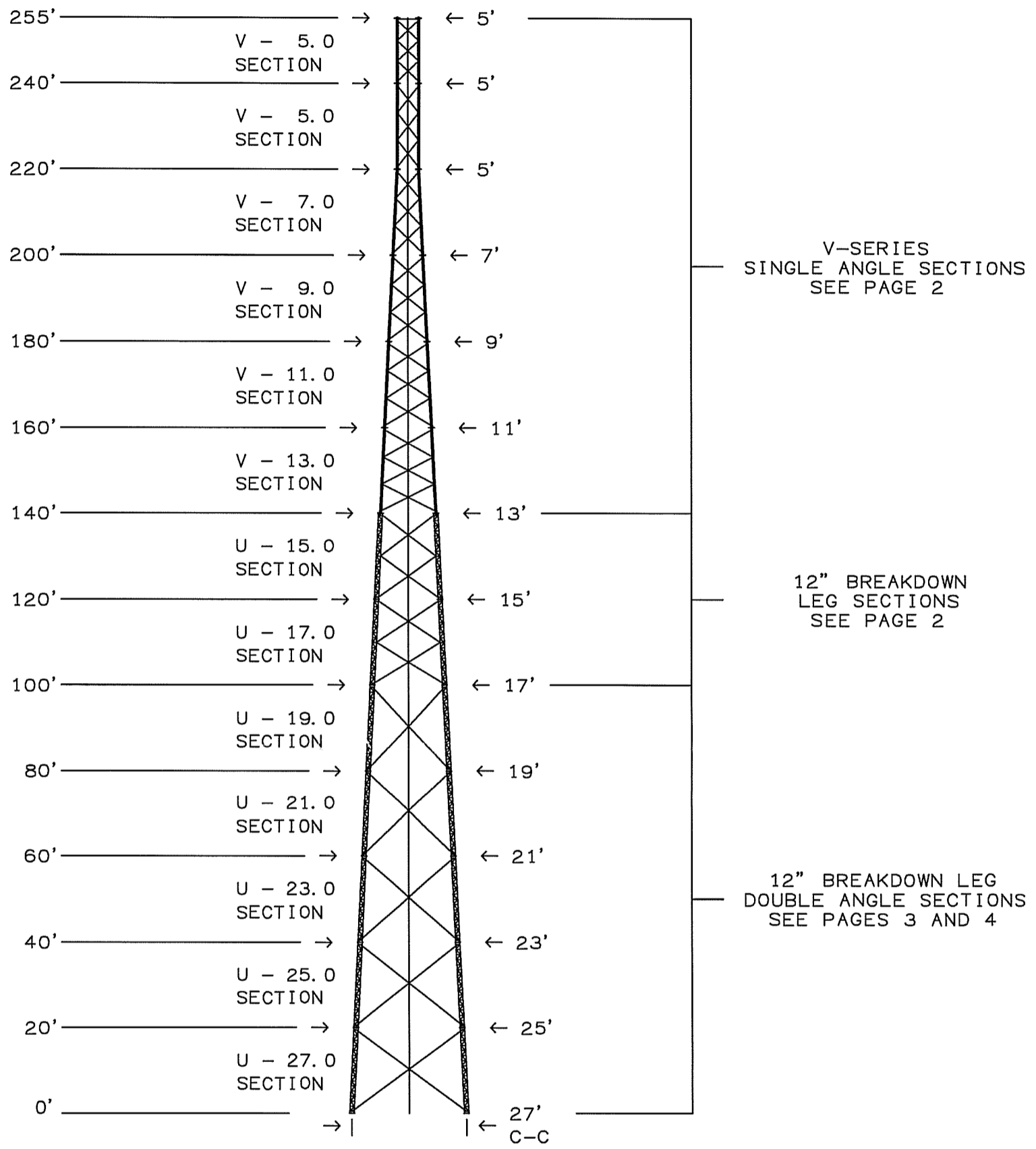
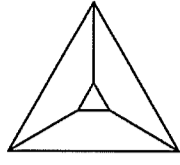
We trust the above and the attached will be helpful to you. If you should need anything else, please let us know at your convenience.

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

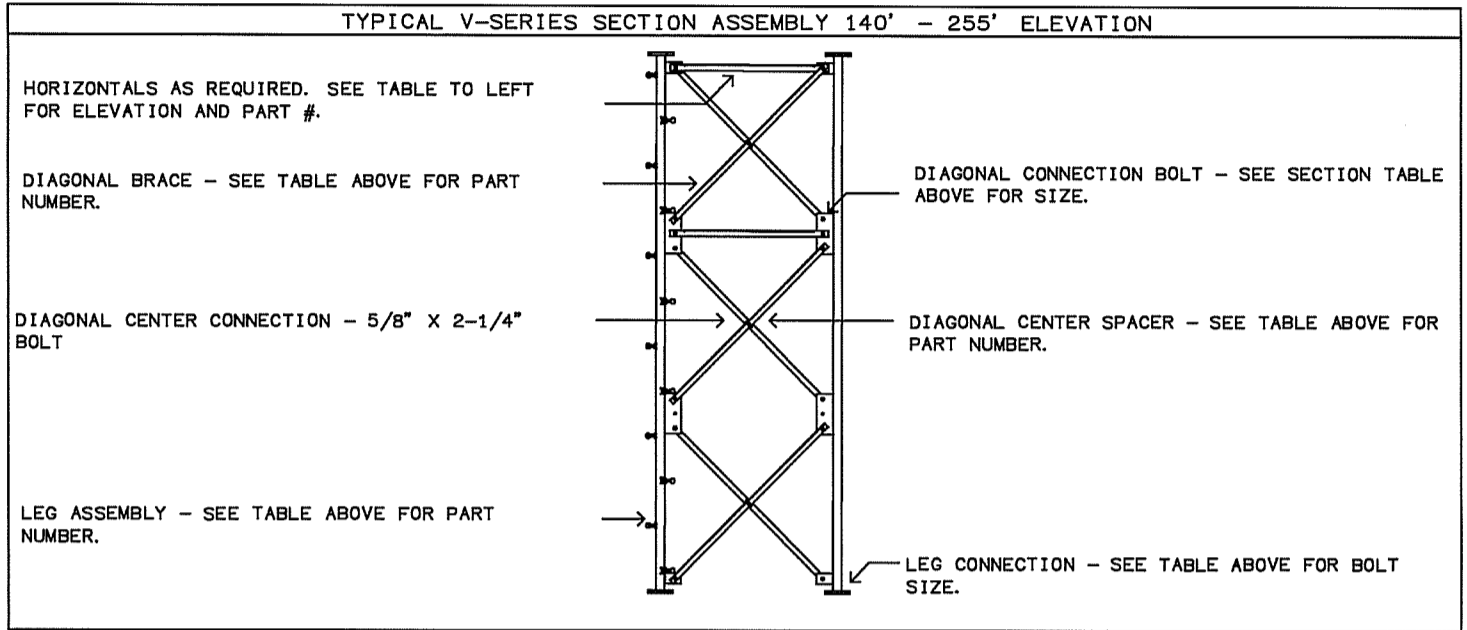
				WESTOWER COMMUNICATIONS HINDMAN AL 6156, KY V-27.0 X 255'	
A	ADDED FOUNDATIONS	MS	01/09/2014	APPROVED/ENG.	M_S 1/9/2014
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.	N/A
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Printed from 252659_01@A.DWG - 01/09/2014 12:30 @ 01/09/2014 15:09				ARCHIVE F-1015869	PAGE 1 OF 10



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	QTY
						QTY	PART#	QTY	PART#	DIAM	LENGTH	#1	#2	#3	FACE	THICK	DIAM	LENGTH	SPACER	
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	

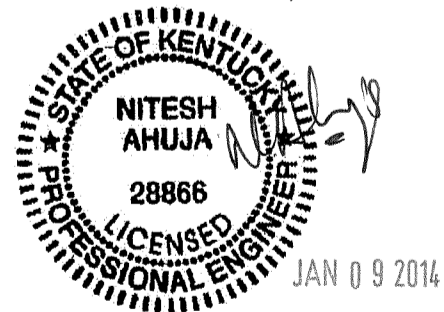
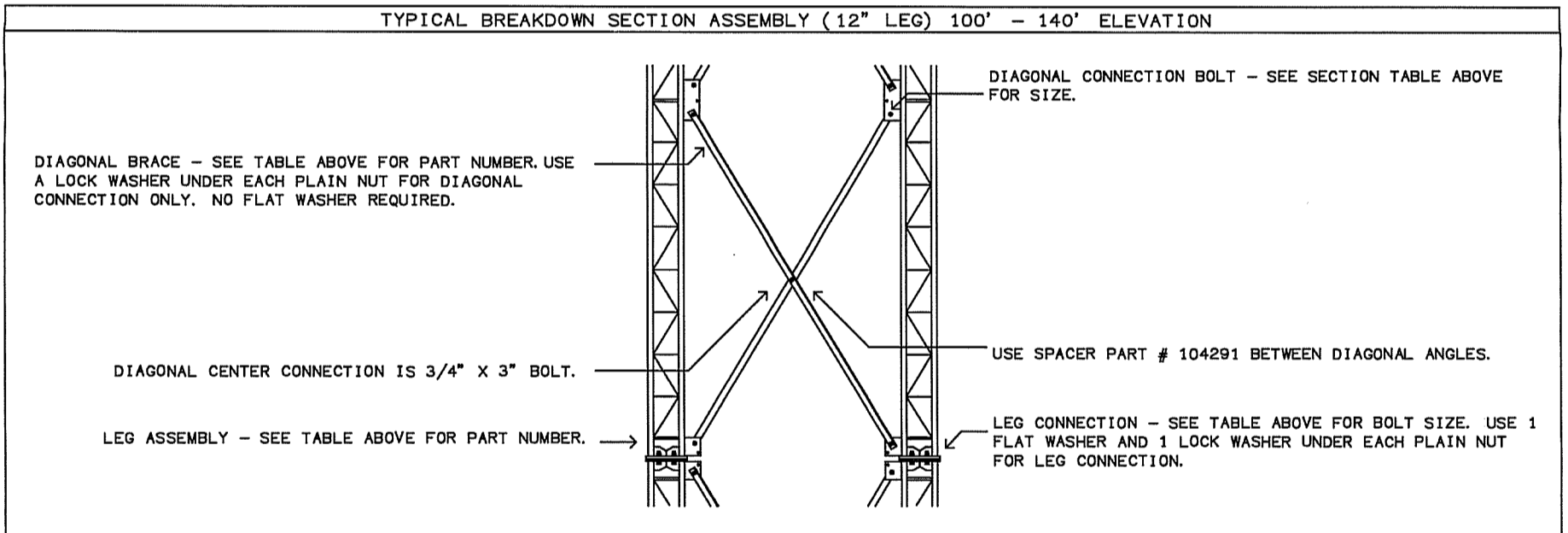
+ AT BOTTOM OF SECTION
* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.
** PANELS ARE NUMBERED BEGINNING AT THE TOP OF THE SECTION.

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



BREAKDOWN SECTION DATA (12\"/>													
SEC #	SECTION LENGTH	LEG SIZE	LEG PART#	TOP DIAG PART#	BOT DIAG PART#	DIAGONAL FACE	DIAGONAL THICK	DIAGONAL ANGLE	SECTION WEIGHT	LEG CONNECT+ DIAM	LEG CONNECT+ LENGTH	DIAG CONNECT DIAM	DIAG CONNECT LENGTH
U-15.0	20'	1- 3/4"	229588	105579	105562	3"	3/16"		3128#	1"	4-3/4"	1"	2-1/4"
U-17.0	20'	1- 3/4"	229588	105568	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.



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
HINDMAN AL 6156, KY
V-27.0 X 255'

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252659
PAGE 2 OF 10

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

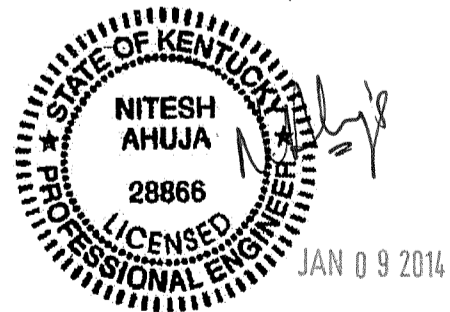
SECTION				LEG		LEG CONNECT @ BOTTOM+		
#	MODEL	LENGTH	WEIGHT*	SIZE	PART #	DIAM	LENGTH	#
5	U-19.0	20'	4069#	2 "	208332	1"	4-3/4"	12
4	U-21.0	20'	4741#	2- 1/4 "	208334	1"	4-3/4"	12
3	U-23.0	20'	4807#	2- 1/4 "	208334	1"	4-3/4"	12
2	U-25.0	20'	4876#	2- 1/4 "	208334	1"	4-3/4"	12
1	U-27.0	20'	5681#	2- 1/4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

WESTOWER COMMUNICATIONS
 HINDMAN AL 6156, KY
 V-27.0 X 255'

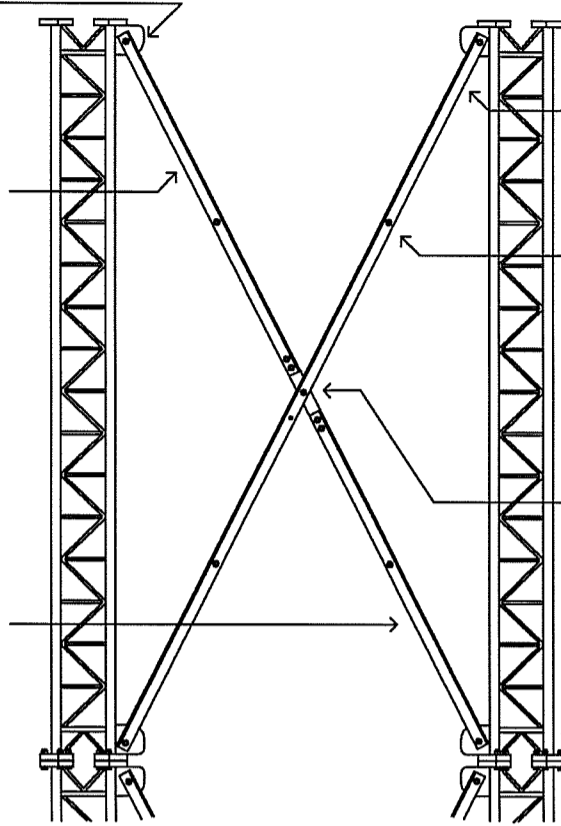
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TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG WITH DOUBLE ANGLES) 0' - 100' ELEVATION

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 #.

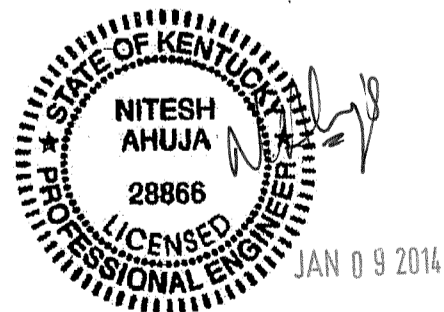
INTERMEDIATE DIAGONAL BOLTS WITH SPACER - SEE TABLE ON PG. 3 FOR SIZE, SPACER PART # AND NUMBER OF LOCATIONS PER PANEL ON EACH FACE. USE 1 SPACER PER BOLT. SEE DRAWING # 214823 FOR DETAILS.

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.



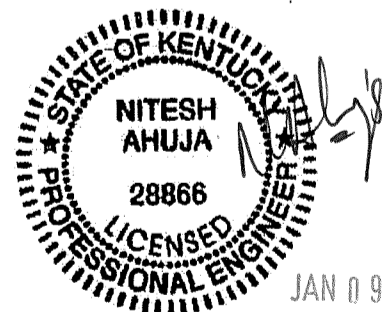
Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
HINDMAN AL 6156, KY
V-27.0 X 255'

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			PAGE 4 OF 10

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-1D6565C, (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-1D6565C, (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-1D6565C, (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-1D6565C, (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

WESTOWER COMMUNICATIONS
HINDMAN AL 6156, KY
V-27.0 X 255'

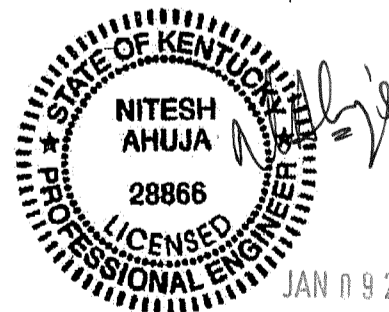
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PAGE

FOUNDATION NOTES

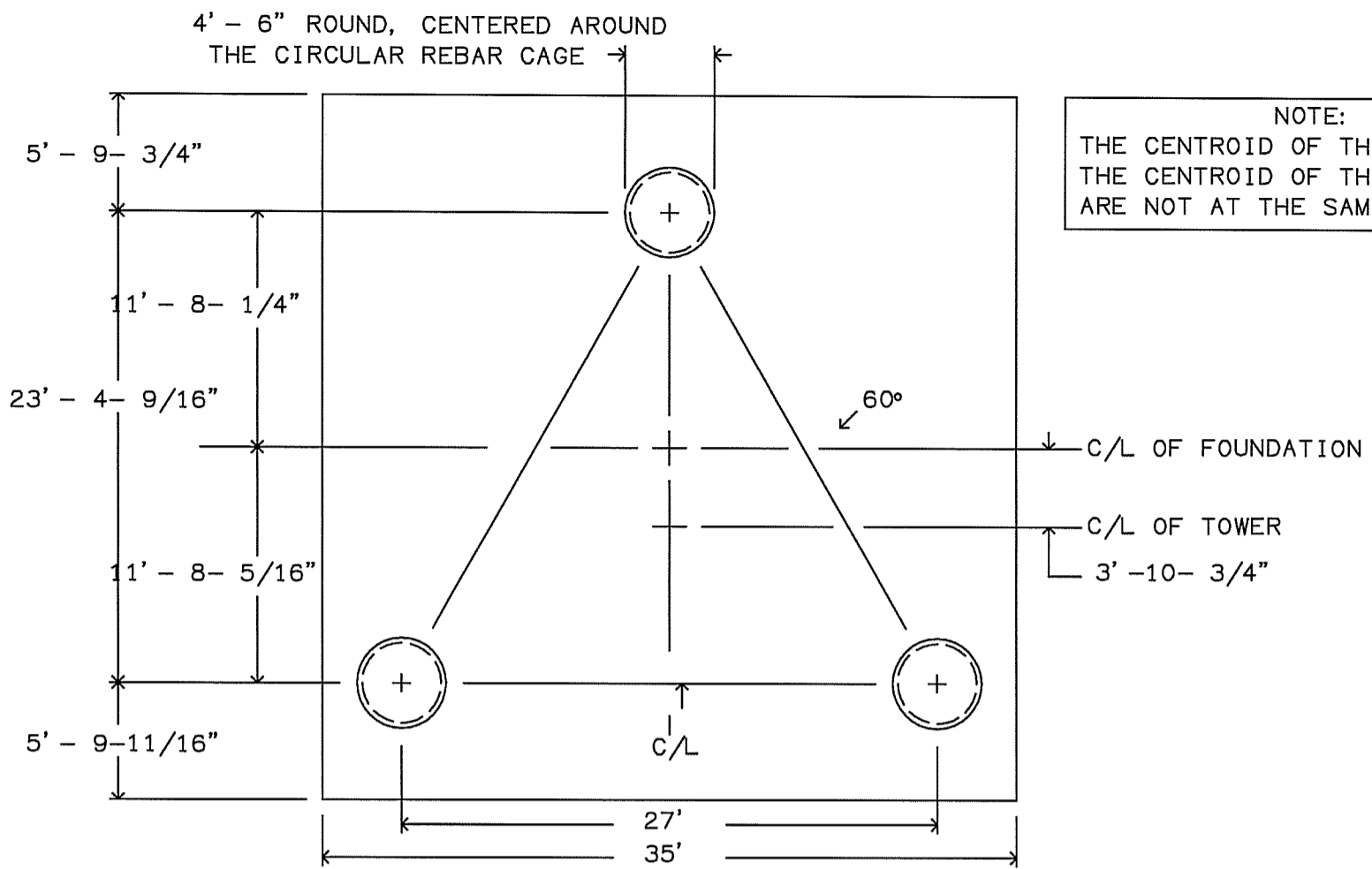
1. ULTIMATE SOIL PRESSURE ASSUMED TO BE 5000 PSF. ULTIMATE PASSIVE PRESSURE ASSUMED TO BE 450 LB PCF. THE PURCHASER & OWNER/CONTRACTOR MUST VERIFY THAT THE ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED THE ASSUMED SOIL PARAMETERS PER THIS NOTE AND/OR SHOULD OBTAIN A SOIL REPORT TO DETERMINE THE SOIL CONDITIONS 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
HINDMAN AL 6156, KY
V-27.0 X 255'

				WESTOWER COMMUNICATIONS HINDMAN AL 6156, KY V-27.0 X 255'			 1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR
A	ADDED FOUNDATIONS	MS	01/09/2014	APPROVED/ENG.	M_S	1/9/2014	
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.	M_S	1/9/2014	
				COPYRIGHT 2014			
				DRAWN BY			
From: F1015869.DFT - 01/09/2014 14:45				ENG. FILE NO. A-243485			DRAWING NO.
Printed from 252659_06@A.DWG - 01/09/2014 14:48 @ 01/09/2014 15:10				ARCHIVE F-1015869			252659
							PAGE 6 OF 10



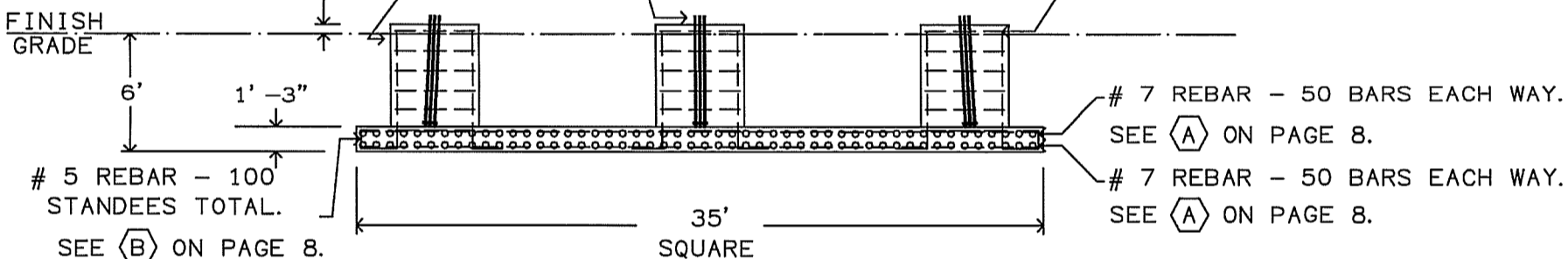
NOTE:
THE CENTROID OF THE TOWER AND THE CENTROID OF THE FOUNDATION ARE NOT AT THE SAME POINT!

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.

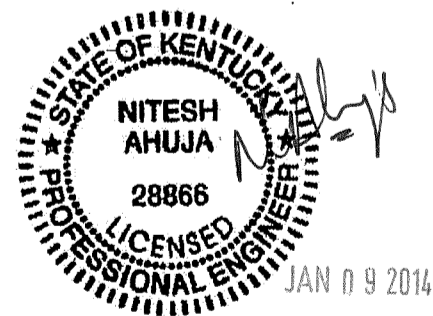
4 TIES - SEE (D) ON PAGE 8. 7 PIECES REQ. PER PIER



NOTE: ALL REBAR REQUIRES MIN. 3" CONCRETE COVERAGE

TOWER FOUNDATION

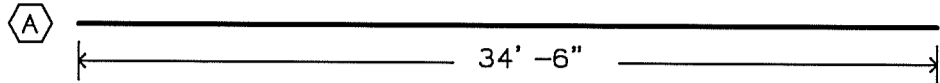
66.0 CUBIC YARDS CONCRETE REQUIRED FOR INSTALLATION SPECIFICATIONS AND ADDITIONAL INFORMATION, SEE PAGE 6 OF THIS DRAWING.



Nitesh Ahuja, KY Professional Engineer #28866

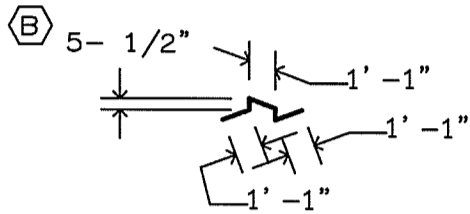
				WESTOWER COMMUNICATIONS HINDMAN AL 6156, KY V-27.0 X 255'	
A	ADDED FOUNDATIONS	MS	01/09/2014	APPROVED/ENG.	M_S 1/9/2014
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.	M_S 1/9/2014
				COPYRIGHT 2014	
				DRAWN BY	M_S
				ENG. FILE NO.	A-243485
				ARCHIVE	F-1015869
				DRAWING NO.	252659
				PAGE	7 OF 10



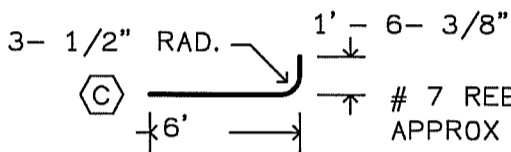


7 REBAR - 200 PIECES REQ. TOTAL
APPROX WT = 70.5# EACH, 14100# TOTAL

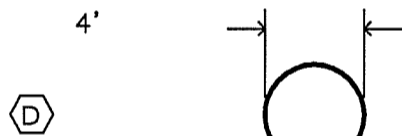
REBAR SUPPORTS MAY CONSIST OF ANY ACCEPTABLE MEANS OF SECURELY SUPPORTING THE TOP REINFORCEMENT GRID ABOVE THE BOTTOM REINFORCEMENT GRID WHILE MAINTAINING A SEPARATION OF 0'-9" (OUTSIDE REBAR TO OUTSIDE REBAR).



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

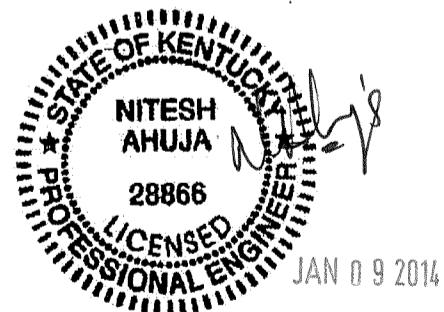


4 REBAR - 21 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 14'-1-3/8"
APPROX WT = 9.4# EACH, 197# TOTAL

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

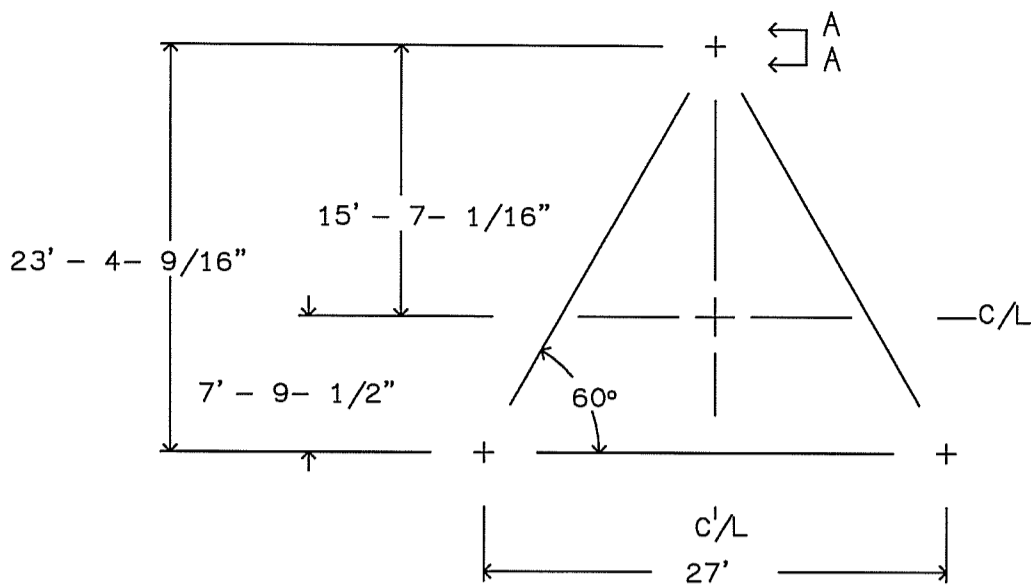
TOTAL APPROX REBAR WEIGHT = 15744#
REINFORCING BAR TO CONFORM TO
ASTM A615 GRADE 60 SPECIFICATIONS.



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
HINDMAN AL 6156, KY
V-27.0 X 255'

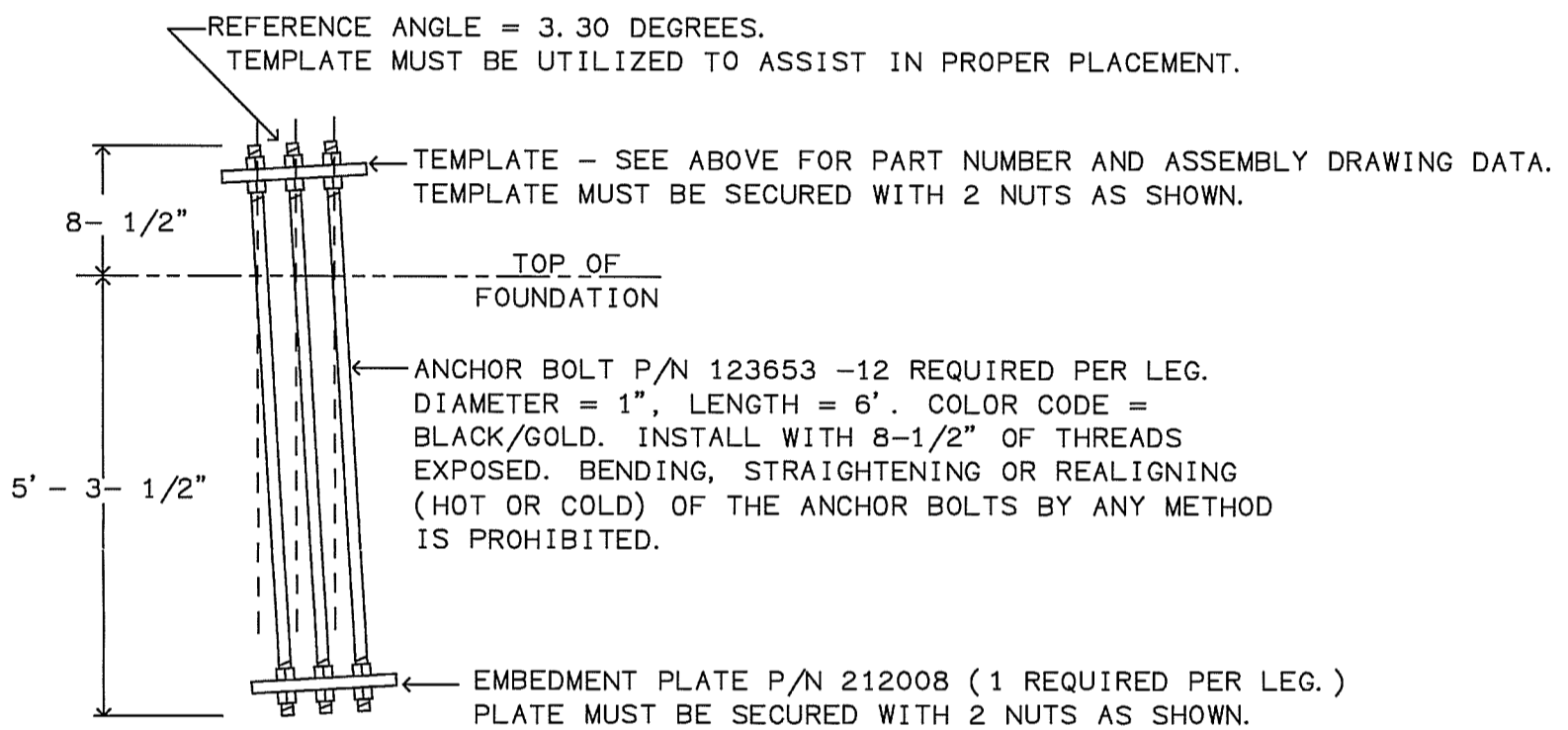
				WESTOWER COMMUNICATIONS HINDMAN AL 6156, KY V-27.0 X 255'			valmont STRUCTURES
A	ADDED FOUNDATIONS	MS	01/09/2014	APPROVED/ENG.	M_S	1/9/2014	
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.	M_S	1/9/2014	1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR
				COPYRIGHT 2014			
				DRAWN BY		M_S	DRAWING NO.
From: F1015869.DFT - 01/09/2014 14:45				ENG. FILE NO. A-243485		252659	
Printed from 252659_08@A.DWG - 01/09/2014 14:49 @ 01/09/2014 15:10				ARCHIVE F-1015869		PAGE 8 OF 10	



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



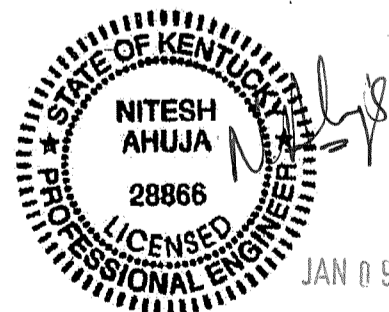
VIEW A - A - ANCHOR BOLT INSTALLATION DETAIL (NOT TO SCALE)

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.

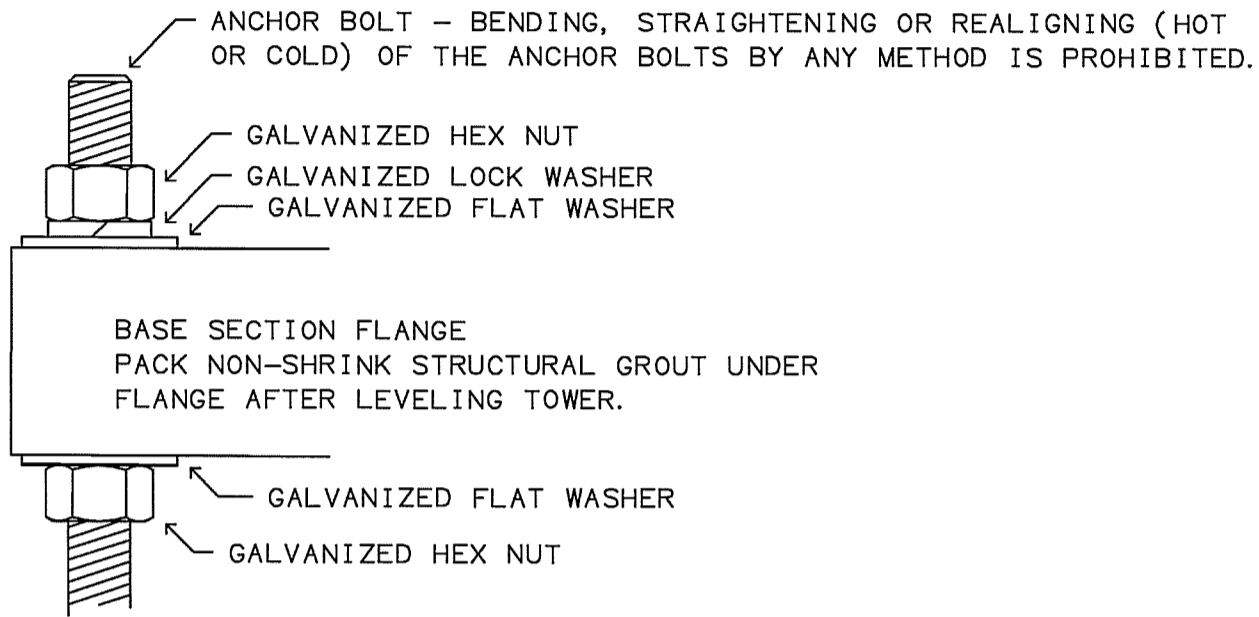
IF THERE ARE ANY DISCREPANCIES, PLEASE NOTIFY PIROD, INC. PRIOR TO INSTALLATION!!



Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
HINDMAN AL 6156, KY
V-27.0 X 255'

				APPROVED/ENG. M_S 1/9/2014		
				APPROVED/FOUND. M_S 1/9/2014		
				COPYRIGHT 2014		1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR
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Printed from 252659_09@A.DWG - 01/09/2014 14:49 @ 01/09/2014 15:10				ARCHIVE F-1015869		PAGE 9 OF 10



BASE SECTION INSTALLATION DETAIL



Nitesh Ahuja, KY Professional Engineer #28866

				WESTOWER COMMUNICATIONS HINDMAN AL 6156, KY V-27.0 X 255'		
A	ADDED FOUNDATIONS	MS	01/09/2014	APPROVED/ENG.	M_S	1/9/2014
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.	M_S	1/9/2014
				COPYRIGHT 2014		
				DRAWN BY	M_S	
From: F1015869.DFT - 01/09/2014 14:45				ENG. FILE NO. A-243485		DRAWING NO. 252659
Printed from 252659_10@A.DWG - 01/09/2014 14:49 @ 01/09/2014 15:10				ARCHIVE	F-1015869	PAGE 10 OF 10



EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST
AND MAP OF LIKE FACILITIES IN VICINITY

License Search

Search Results

Specified Search

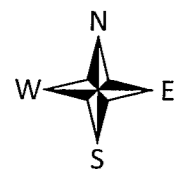
State = **Kentucky**
 County = **KNOTT**
 Radio Service = **CL, CW**
 Status = **Active**

Matches **1- 10** (of **10**)

PA = Pending Application(s)
TP = Termination Pending
L = Lease

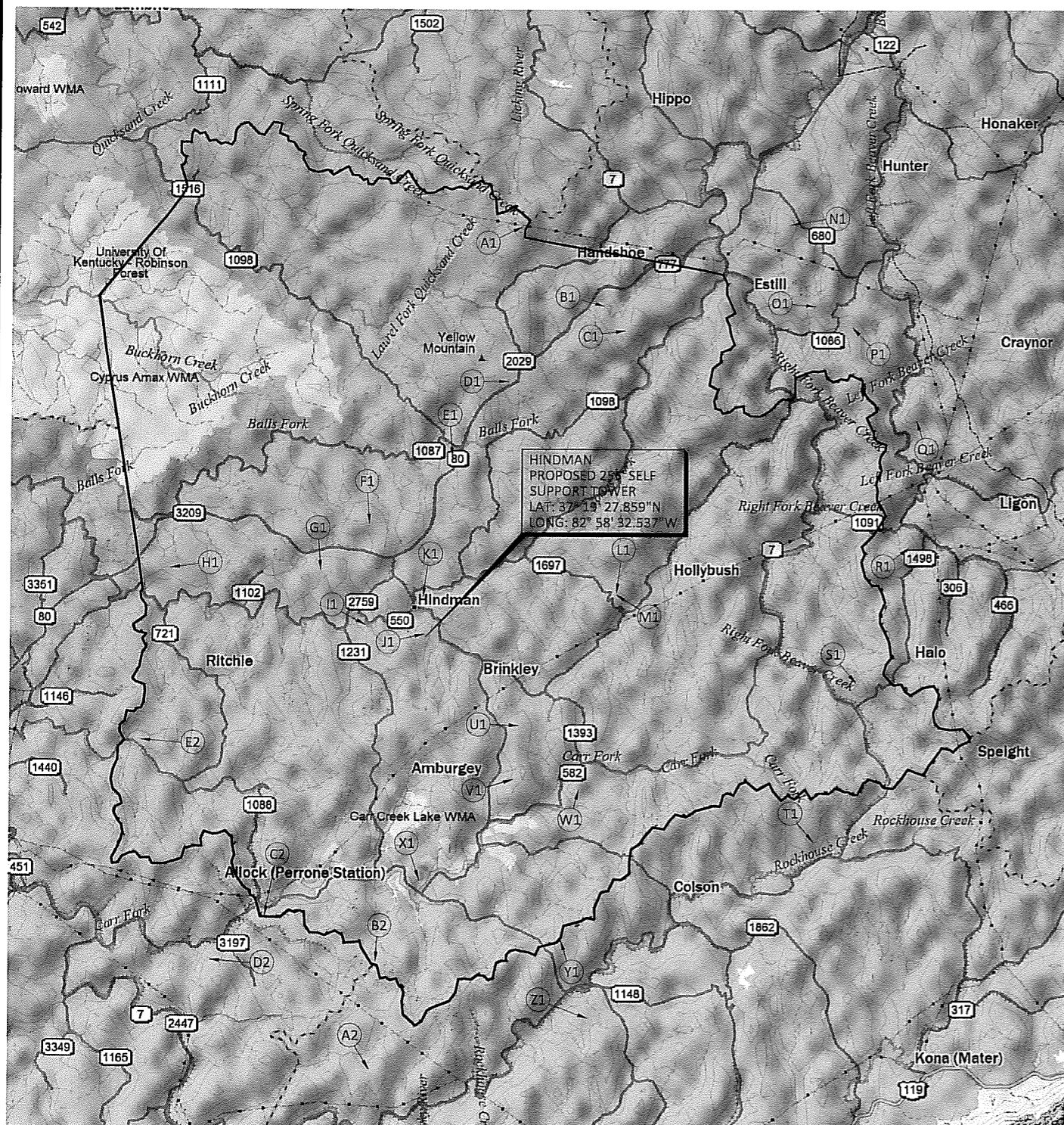
	Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
1	PA KNKN809	East Kentucky Network, LLC d/b/a Appalachian Wireless	0001786607	CL	Active	10/01/2021
2	KNKN841	NEW CINGULAR WIRELESS PCS, LLC	0003291192	CL	Active	10/01/2021
3	KNLF252	WIRELESSCO, L.P.	0002316545	CW	Active	06/23/2015
4	PA KNLH256	Cellco Partnership	0003290673	CW	Active	04/28/2017
5	PA KNLH398	Powertel Memphis Licenses, Inc.	0001832807	CW	Active	04/28/2017
6	KNLH399	Powertel Memphis Licenses, Inc.	0001832807	CW	Active	04/28/2017
7	WPOI255	NEW CINGULAR WIRELESS PCS, LLC	0003291192	CW	Active	06/23/2015
8	WQCS428	Cellco Partnership	0003290673	CW	Active	05/13/2015
9	WQCX683	T-Mobile License LLC	0001565449	CW	Active	06/20/2015
10	PA WQDI527	Cricket License Company, LLC	0018402123	CW	Active	09/06/2015

	Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
--	--------------------------	------	-----	------------------	--------	--------------------



KNOTT COUNTY, KENTUCKY

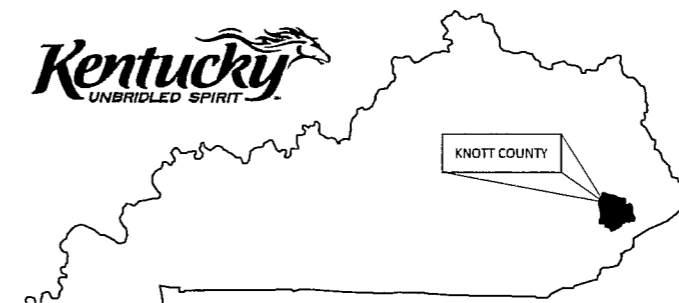
AT&T SITE NAME: HINDMAN



NOTE: TOWERS DEPICTED ARE ALL KNOWN TOWER SITES REGISTERED WITH THE FEDERAL COMMUNICATIONS COMMISSION IN KNOTT COUNTY, KENTUCKY. USGS 7.5 MINUTE QUADRANGLE: HINDMAN, KY

EXISTING TOWER LEGEND

- | | | |
|--|---|---|
| <p>(A) FCC REGISTRATION #: 1044813
LAT: N37° 29' 05.00"
LONG: W82° 55' 46.00"
OWNER: COMMONWEALTH OF KENTUCKY
dba EMERGENCY WARNING SYSTEM KEWS</p> <p>(B) FCC REGISTRATION #: 1269167
LAT: N37° 27' 14.00"
LONG: W82° 53' 21.10"
OWNER: PEGASUS TOWER DEVELOPMENT
COMPANY LLC</p> <p>(C) FCC REGISTRATION #: 1055547
LAT: N37° 26' 39.80"
LONG: W82° 52' 46.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(D) FCC REGISTRATION #: 1246019
LAT: N37° 25' 28.50"
LONG: W82° 56' 07.10"
OWNER: NEW CINGULAR WIRELESS PCS LLC</p> <p>(E) FCC REGISTRATION #: 1241516
LAT: N37° 23' 42.40"
LONG: W82° 57' 46.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(F) FCC REGISTRATION #: 1043800
LAT: N37° 22' 08.00"
LONG: W83° 00' 10.80"
OWNER: NEW CINGULAR WIRELESS PCS LLC</p> <p>(G) FCC REGISTRATION #: 1257981
LAT: N37° 21' 02.30"
LONG: W83° 01' 34.50"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(H) FCC REGISTRATION #: 1003007
LAT: N37° 21' 05.40"
LONG: W83° 05' 57.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(I) FCC REGISTRATION #: 1236025
LAT: N37° 19' 45.00"
LONG: W83° 00' 17.00"
OWNER: HINDMAN BROADCASTING
CORPORATION</p> <p>(J) FCC REGISTRATION #: 1229140
LAT: N37° 19' 32.40"
LONG: W82° 58' 32.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(K) FCC REGISTRATION #: 1260115
LAT: N37° 20' 26.00"
LONG: W82° 58' 33.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> | <p>(L) FCC REGISTRATION #: 1042400
LAT: N37° 20' 29.00"
LONG: W82° 53' 00.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(M) FCC REGISTRATION #: 1044816
LAT: N37° 20' 31.00"
LONG: W82° 52' 59.00"
OWNER: COMMONWEALTH OF KENTUCKY
dba EMERGENCY WARNING SYSTEM KEWS</p> <p>(N) FCC REGISTRATION #: 1065556
LAT: N37° 29' 09.90"
LONG: W82° 47' 54.00"
OWNER: NEW CINGULAR WIRELESS PCS LLC</p> <p>(O) FCC REGISTRATION #: 1274630
LAT: N37° 27' 14.80"
LONG: W82° 47' 12.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(P) FCC REGISTRATION #: 1065271
LAT: N37° 26' 45.00"
LONG: W82° 46' 07.00"
OWNER: HIGHLAND COMMUNICATIONS INC</p> <p>(Q) FCC REGISTRATION #: 1217023
LAT: N37° 24' 35.30"
LONG: W82° 44' 13.10"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(R) FCC REGISTRATION #: 1277209
LAT: N37° 21' 35.20"
LONG: W82° 44' 26.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(S) FCC REGISTRATION #: 1247614
LAT: N37° 18' 27.30"
LONG: W82° 45' 58.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(T) FCC REGISTRATION #: 1236766
LAT: N37° 14' 42.70"
LONG: W82° 47' 11.20"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(U) FCC REGISTRATION #: 1282403
LAT: N37° 17' 24.10"
LONG: W82° 55' 47.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> | <p>(V) FCC REGISTRATION #: 1268840
LAT: N37° 16' 08.90"
LONG: W82° 55' 57.90"
OWNER: AMERICAN TOWERS LLC</p> <p>(W) FCC REGISTRATION #: 1256301
LAT: N37° 15' 54.30"
LONG: W82° 54' 02.50"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(X) FCC REGISTRATION #: 1275205
LAT: N37° 13' 47.20"
LONG: W82° 58' 39.80"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(Y) FCC REGISTRATION #: 1059211
LAT: N37° 12' 22.00"
LONG: W82° 54' 33.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(Z) FCC REGISTRATION #: 1252950
LAT: N37° 10' 34.00"
LONG: W82° 53' 47.00"
OWNER: CC ATT LCC</p> <p>(A2) FCC REGISTRATION #: 1263525
LAT: N37° 09' 20.70"
LONG: W83° 00' 07.50"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(B2) FCC REGISTRATION #: 1043804
LAT: N37° 11' 52.80"
LONG: W82° 59' 55.70"
OWNER: NEW CINGULAR WIRELESS PCS LLC</p> <p>(C2) FCC REGISTRATION #: 1260112
LAT: N37° 12' 55.00"
LONG: W83° 03' 11.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> <p>(D2) FCC REGISTRATION #: 1270318
LAT: N37° 11' 54.60"
LONG: W83° 04' 44.90"
OWNER: AMERICAN TOWERS LLC</p> <p>(E2) FCC REGISTRATION #: 1274629
LAT: N37° 17' 03.60"
LONG: W83° 06' 46.10"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS</p> |
|--|---|---|



COUNTY TOWER MAP

REV.	DATE	DESCRIPTION
1	03.04.14	UPDATE

SITE INFORMATION:

HINDMAN
290 PERKINS MADDEN ROAD
HINDMAN, KY 41822
COUNTY: KNOTT

SITE NUMBER:
KYALU6156

POD NUMBER: 13-1451
DRAWN BY: DAP
CHECKED BY: MEP
DATE: 12.12.13

SHEET TITLE:

TOWER GRID MAP

SHEET NUMBER:
C-1

**EXHIBIT E
CO-LOCATION REPORT**

March 7, 2014

Kentucky Public Service Commission
211 Sower Blvd
PO Box 615
Frankfort, KY 40602

RE: Alternate Site Analysis Report
Uniform Application for a Communications Facility
Applicant: AT&T Mobility
Site Location: 290 Perkins Madden Road, Hindman, KY
Site Name: Hindman

Dear Commissioners:

This report is provided to explain the site development process used by the Applicant to identify the site selected for the new wireless communications facility proposed in the accompanying Uniform Application.

AT&T Mobility Site Development Process

Step 1: Problem Identification. AT&T Mobility radio frequency engineers first identified a growing coverage and/or capacity gap in the Hindman area, within Knott County.

Step 2: Search Ring. To help guide the site development team's task of identifying a suitable location for a new wireless communications facility site, AT&T Mobility's radio frequency engineers identified the geographic area where the antenna site must be located in order to close the gap and issued a map (called a Search Ring) that identified the general area in which a new site must be located. In this instance, the search ring was designed for an antenna site to be constructed within an area south of Hindman, with major ground elevation changes within the search ring. This variation of over 500' within the ring required that we focus our search on property located at the higher elevations in order to make the site work.

Step 3: Co-location Review. The site development team first reviewed the area within the Search Ring for a suitable tall structure for co-location. In this case, we approached Appalachian Wireless regarding an existing tower they owned in the center of the ring. Appalachian's Manager of Technical Operations Mike Johnson declined to lease space to AT&T based on future modifications to the site currently being contemplated by the company. There are no other tall structures within the ring.

Step 4: Review of the Area's Zoning Classification. Once the site development team determined that there are no available existing tall structures which are technically feasible and suitable for co-location, the team next reviewed local zoning requirements to identify

parcels located within the search area that might be suitable from a land use perspective to host an antenna site. In this case, zoning did not play a part in establishing the proposed tower location. The Knott County Judge Executive's Office confirmed prior to our evaluation phase that no zoning was in effect in the area under review.

Step 5: Preliminary Inspection and Assessment of Suitable Parcels. Once suitable parcels are identified, the site development team visits the parcels and performs a preliminary inspection. The purpose of the preliminary inspection is: (1) to confirm the availability of sufficient land space for the proposed facility; (2) to identify a specific location for the facility on the parcel; (3) to identify any recognized environmental conditions that would disqualify the parcel from consideration; (4) to identify any construction issues that would disqualify the candidate; and, (5) to assess the potential impact of the facility on neighboring properties. In this case, only four (4) separate candidate properties met the property location and ground elevation requirements to make the site workable.

Step 6: Candidate Evaluation and Selection. After the preliminary site assessments were performed, the site development team ranked the candidates based on the availability of ground space, topography, applicable environmental conditions, construction feasibility and the potential impact of the facility on neighboring properties. In this case, two candidate properties did not respond to repeated attempts to contact them by phone and/or mail where no phone number was available. This left AT&T with two potential sites meeting their criteria where a new tower site might be constructed.

Step 7: Leasing and Due Diligence. Once a suitable candidate was selected, lease negotiations were commenced and site due diligence steps were performed, as described below.

Leasehold Due Diligence:

- A Title Report was obtained and reviewed to ensure that there are no limitations on the landowner's capacity to lease and to address any title issues.
- A site survey was obtained to identify the location of parcel features, boundaries, easements and other encumbrances revealed by the title search.

Engineering Due Diligence:

- Utility access identified.
- Grounding plan designed.
- Geotechnical soil analysis performed to determine foundation requirements.
- Foundations designed to meet the Kentucky Building Code lateral and subjacent support requirements.
- Site plan developed.

Environmental Due Diligence:

A Phase I Environmental Site Assessment ("ESA") investigation was performed to establish the pre-existing types and amounts of contamination at a site, and to establish

that the leaseholder is innocent of liability for the costs of performing environmental cleanup work that might arise from pollution or contamination of the site caused by a third party.

In addition to performing a Phase 1 ESA, the site was also evaluated for potential impacts under the *National Environmental Policy Act* (NEPA), submitted to the State Historic Preservation Office for review of potential impacts to historic structures or districts, and submitted to the registered Tribal Historic Preservation Office so that registered Native American nations had the opportunity to review potential impacts on native religious, ceremonial, or cultural resources.

Federal Regulatory Approvals

- Federal Aviation Administration (“FAA”) compliance.
- Federal Communication Commission (“FCC”) compliance.

In this case, two (2) properties out of the four (4) initially identified were ruled out due to lack of owner interest or inability to contact the owner.

Step 8: Application. Once a lease is obtained and all site due diligence is completed, AT&T Mobility prepared and filed the accompanying uniform application to construct, maintain and operate a communications facility.

Conclusion

Applicant’s site identification and selection process aims to identify the least intrusive of all the technically feasible parcels in a service need area. In this case, AT&T focused their efforts on a property with existing access and utility runs eliminating the need to cut a new road and utility route into a heavily forested hillside area.

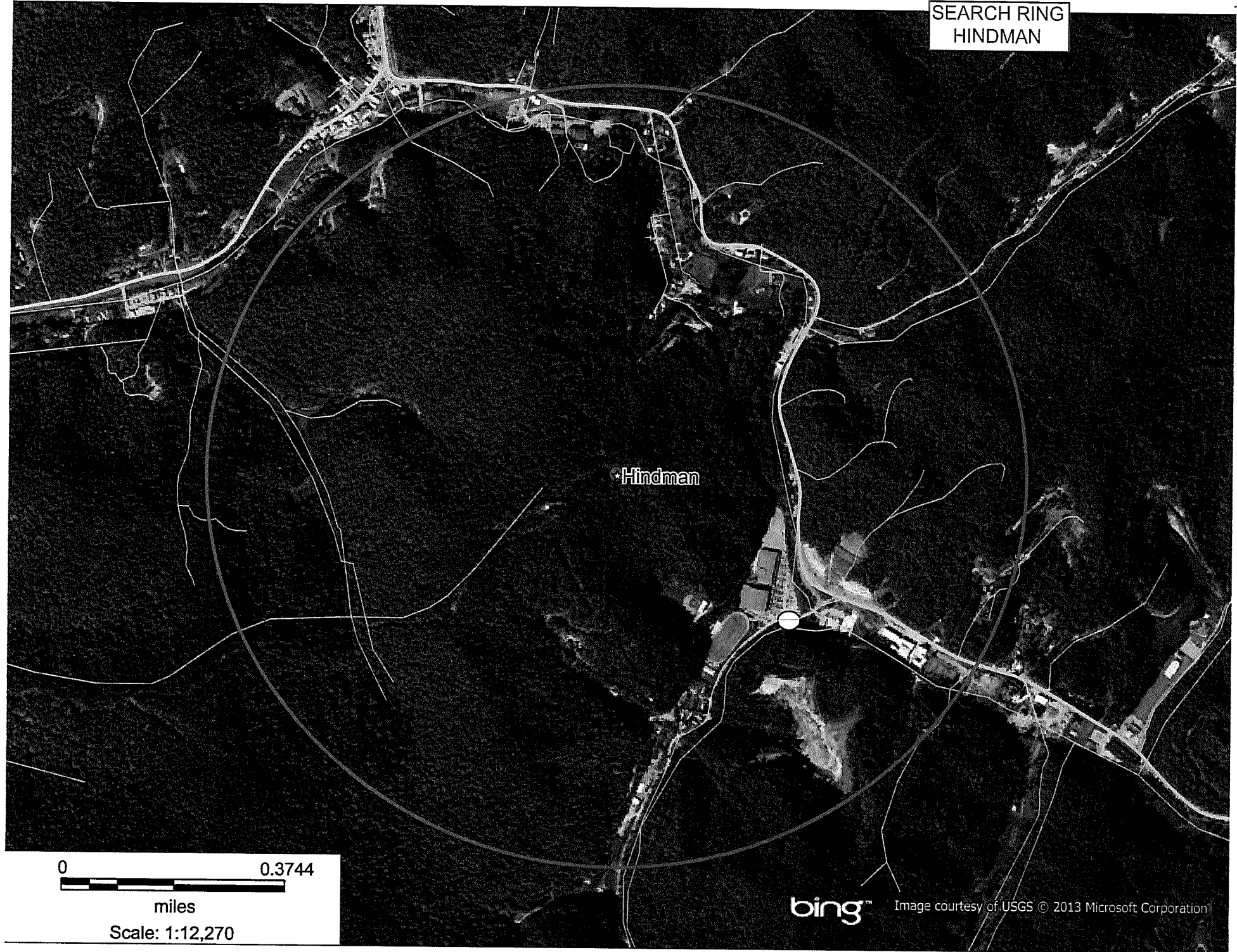
Sincerely,



John Boud
Site Acquisition Manager: Kentucky Market
10400 Linn Station Rd., Suite 225, Louisville, KY 40223
jboud@westtower.com | 559.790.8855 (mobile)
www.westtower.com



SEARCH RING
HINDMAN



Hindman

0 0.3744
miles
Scale: 1:12,270

bing™ Image courtesy of USGS © 2013 Microsoft Corporation

EXHIBIT F
FAA



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 2601 Meacham Boulevard
 Fort Worth, TX 76137

Aeronautical Study No.
 2013-ASO-8084-OE

Issued Date: 11/18/2013

John Monday (ap)
 AT&T Mobility Services LLC
 2200 N Greeville Ave
 1W
 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 Hindman
 Location: Hindman, KY
 Latitude: 37-19-27.85N NAD 83
 Longitude: 82-58-32.53W
 Heights: 1512 feet site elevation (SE)
 265 feet above ground level (AGL)
 1777 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 I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 05/18/2015 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 (847) 294-8084. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-ASO-8084-OE.

Signature Control No: 197765721-201962896

(DNE)

Carole Bernacchi
Technician

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2013-ASO-8084-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 G
KENTUCKY AIRPORT ZONING COMMISSION

Hindman



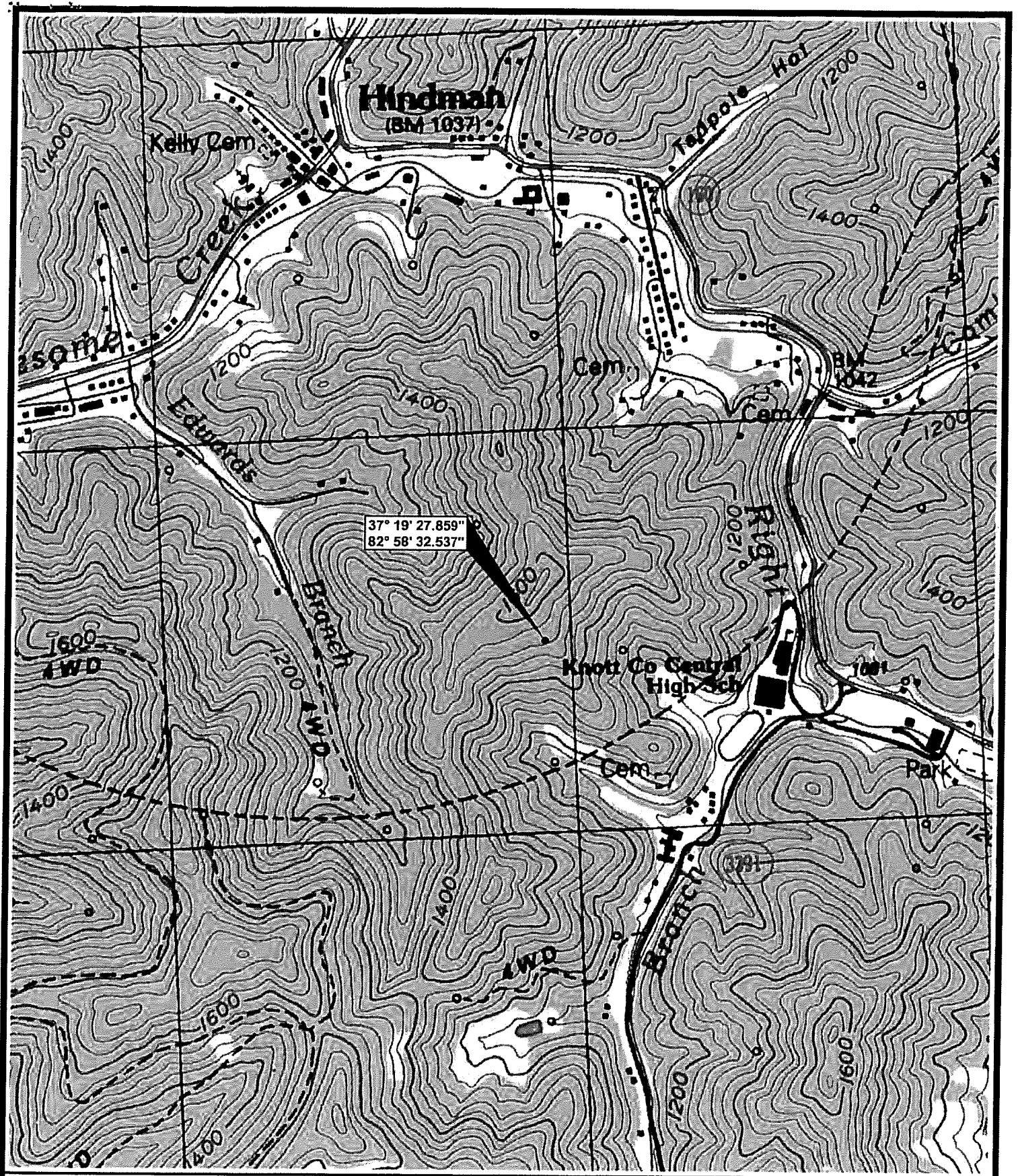
KENTUCKY TRANSPORTATION CABINET

TC 56-50
Rev. 07/2010
Page 2 of 2

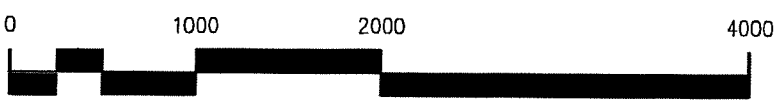
KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) AT&T		PHONE 502-779-5951	FAX	KY AERONAUTICAL STUDY # AS-060-K20-2013-144
ADDRESS (street) 601 W. Chestnut		CITY Louisville		STATE KY
APPLICANT'S REPRESENTATIVE (name) Kit Nickel		PHONE 614-582-8825	FAX 614-583-9148	ZIP 40203
ADDRESS (street) 3173 Deanpark Drive		CITY Hilliard		STATE OH
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing		DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)		WORK SCHEDULE Start End
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other		
LATITUDE 37°19'27.859"		LONGITUDE 82°58'32.537"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
NEAREST KENTUCKY City Hindman County Knott		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT		
SITE ELEVATION (AMSL, feet) 1511.6		TOTAL STRUCTURE HEIGHT (AGL, feet) 265'		CURRENT (FAA aeronautical study #)
OVERALL HEIGHT (site elevation plus total structure height, feet) 1776.6		PREVIOUS (FAA aeronautical study #)		
DISTANCE (from nearest Kentucky public use or Military airport to structure)		PREVIOUS (KY aeronautical study #)		
DIRECTION (from nearest Kentucky public use or Military airport to structure)				
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Approximately 0.7 mile South of Hindman KY				
DESCRIPTION OF PROPOSAL AT&T is proposing to construct at 255' self-supporting tower, with lightning rod of up to 10', for a total height of 265'. This application is being submitted to revise aeronautical study AS-060-K20-2013-144 to a total height to 265'.				
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input type="checkbox"/> Yes, when?				
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)				
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)				
NAME Kit Nickel	TITLE Agent for AT&T	SIGNATURE 		DATE 1-2-2014
COMMISSION ACTION <input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC				
<input type="checkbox"/> Approved		SIGNATURE		DATE
<input type="checkbox"/> Disapproved				



37° 19' 27.859"
82° 58' 32.537"



SCALE: 1" = 1000'



**EXHIBIT H
GEOTECHNICAL REPORT**



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

Geotechnical Investigation

AT&T Site (Hindman)

290 Perkins Madden Road
Hindman, Kentucky
Knott County

ECA Project No. P1248



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 HINDMAN
290 Perkins Madden Road
Hindman, Knott County, Kentucky
ECA Project No. P1248**

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:

- Three soil test borings were drilled to depths of 0.1 foot, 1 foot, and 0.8 foot below the ground surface (bgs). Figure 1 shows the boring locations. Standard penetration tests (SPTs) were conducted to obtain soil samples and SPT (N) values, in accordance with ASTM D1586.
- 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 the SPT (N) values, 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 peak of a steep hillside north of Perkins Madden 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 three borings drilled approximately as shown on Figure 1.

The borings encountered silty sand overlying apparent bedrock at approximately 1 foot. The soils classified as SM soil type based on the Unified Soil Classification System (USCS). Auger refusal was encountered at 0.1 foot in boring B-1. Boring B-1A was offset approximately 5 feet west and auger refusal was encountered at 1 foot, and boring B-1B was offset approximately 5 feet east of tower center and auger refusal was encountered at 0.8 foot.

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 12 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.

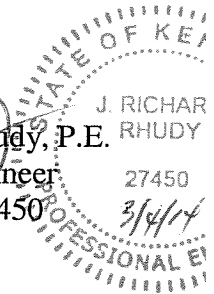
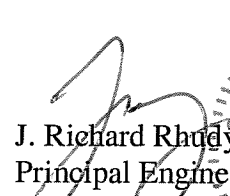
Mr. Boud
Page 5

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

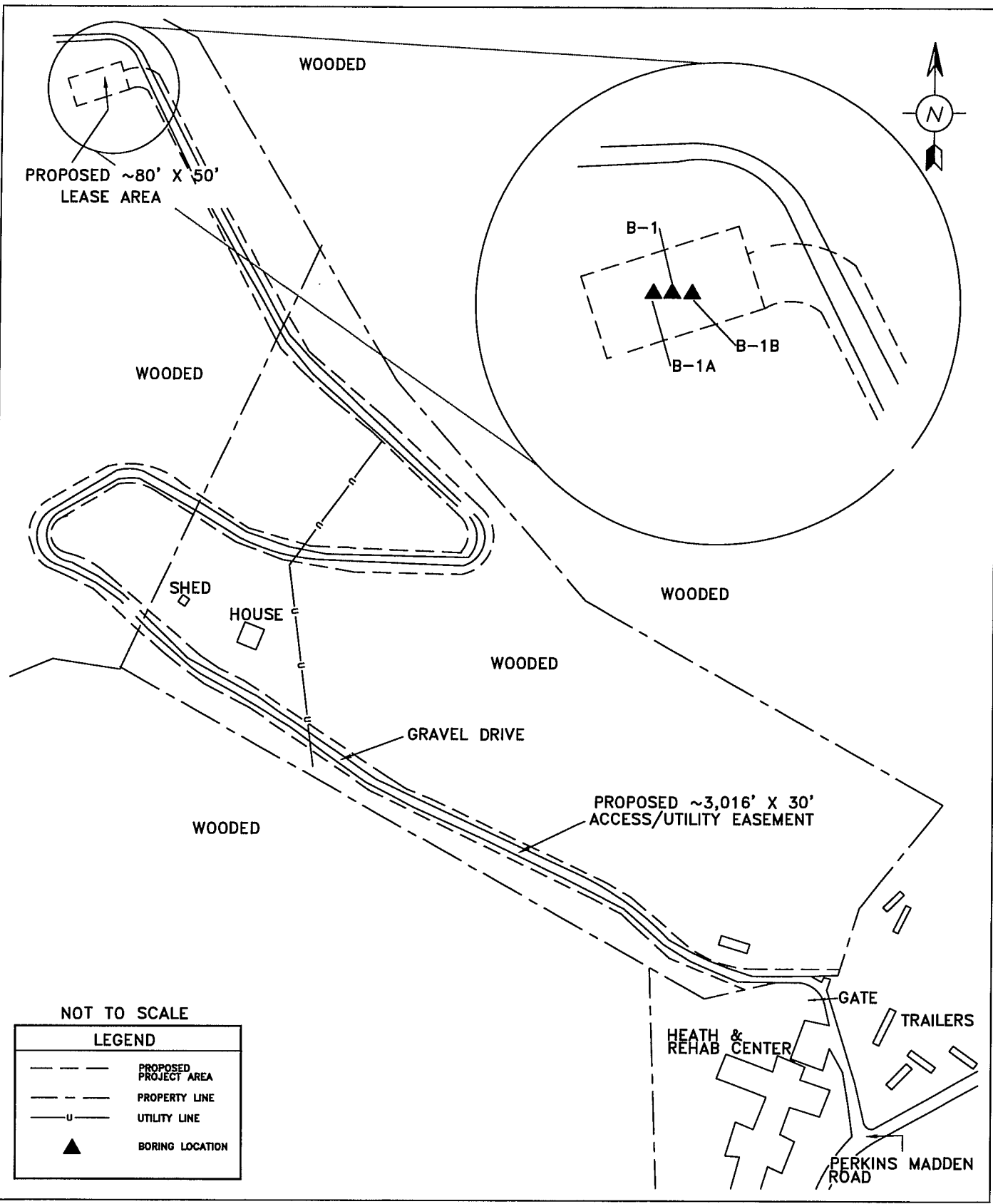


J. RICHARD
RHUDY
Principal Engineer
KY Reg. # 27450
3/4/14
PROFESSIONAL ENGINEER
STATE OF KENTUCKY

Appendix A Boring Location Plan
Appendix B Boring Log

APPENDIX A

Boring Location Plan



AT&T Site KYALU6156 (HINDMAN)
 290 Perkins Madden Road
 Hindman, Knott County, Kentucky

Figure 1: Boring Location Plan

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

DRAWN BY: JLD/KLW DATE: 3/3/2014
 FILE NAME: F:\%P1248.dwg



ECA Project # P1248

APPENDIX B

Boring Log

Project: AT&T Site (Hindman)

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

City, State Hindman, Kentucky

Client: Westower

Drill Date: February 26, 2014

ECA Job No: P1248

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	0.1	•••••	Very dense very silty SAND and GRAVEL (SM/GM)						Auger refusal at 0.1 foot
	1		Boring Terminated						Boring B-1A Offset 5 ft west Auger refusal at 1 foot
	5								Boring B-1B Offset 5 ft east Auger refusal at 0.8 foot
	10								
	15								
	20								
	25								
	30								
	35								
	40								

Drilled By: Tri-State Drilling

Depth to Water: N/A

Borehole Size: 2.25" ID

Total Depth: 1 ft

Drill Method: Hollow Stem Augers

Sheet: 1 of 1

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



**EXHIBIT I
DIRECTIONS TO WCF SITE**

Driving Directions to Proposed Tower Site:

1. Beginning at the Knott County Clerk's Office located at 54 West Main Street, Hindman, KY travel east toward Cs-1039.
2. Turn right onto KY-160 South and travel 1.5 miles.
3. Turn right onto Perkins Madden Road. Destination will be on the right at 290 Perkins Madden Road, Hindman, KY 41822.
4. site coordinates are
 - a. 37 deg 19 min 27.86 sec N
 - b. 82 deg 58 min 32.54 sec W



Prepared by:
Robert W. Grant
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
PO Box 369
Shepherdsville, KY 40165-0369
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT J
COPY OF REAL ESTATE AGREEMENT

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 # KYALU6156; Cell Site Name: HINDMAN
Fixed Asset # 12568751
State: KENTUCKY
County: KNOTT

**MEMORANDUM
OF
LEASE**

This Memorandum of Lease is entered into on this 1st day of October, 2013 by and between EDDIE OWENS AND BONNIE OWENS, HUSBAND AND WIFE, having a mailing address of 290 PERKINS MADDEN ROAD, HINDMAN, KY 41822 (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 1st day of October, 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 1** 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"

Eddie Owens

By: *Eddie E. Owens*
Print Name: Eddie Owens
Its: Owner
Date: 9-10-13

Bonnie Owens

By: *Bonnie Owens*
Print Name: Bonnie Owens
Its: Owner
Date: 9-10-13

"TENANT"

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

By: AT&T Mobility Corporation

Its: Manager

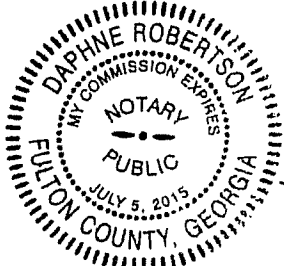
By: *Terry R. Kilgore*
Print Name: Terry R. Kilgore
Its: Area Manager, C&E
Date: 10/1/13

[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF Georgia)
) ss:
COUNTY OF FULTON)

On the 1st day of October, 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: 7/5/15

LANDLORD ACKNOWLEDGMENT

STATE OF _____)
) ss:
COUNTY OF _____)

On the _____ day of _____, 20____ before me, personally appeared Eddie Owens and Bonnie Owens, who acknowledged under oath, that they are the persons named in the within instrument, and that they executed the same in their stated capacity as the voluntary act and deed of the Landlord for the purposes therein contained.

Notary Public: _____
My Commission Expires: _____

TENANT ACKNOWLEDGMENT

STATE OF _____)
) ss:
COUNTY OF _____)

On the _____ day of _____, 20____ before me personally appeared _____ and acknowledged under oath that he/she is the _____ 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.

Notary Public: _____
My Commission Expires: _____

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky)
) ss:
COUNTY OF Knott)

On the 10 day of Sept, 2013 before me, personally appeared Eddie Owens and Bonnie Owens, who acknowledged under oath, that they are the persons named in the within instrument, and that they executed the same in their stated capacity as the voluntary act and deed of the Landlord for the purposes therein contained.

Matilda Baker
Notary Public: NPSAL
My Commission Expires: 2-11-15

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 2

to the Option and Lease Agreement dated October 1, 2012, by and between EDDIE OWENS AND BONNIE OWENS, HUSBAND AND WIFE, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:

Deed Book 194 Page 514

A certain tract or parcel of land lying and being on Coal Branch of Troublesome Creek, Knott County, Kentucky, and bounded and described as follows:

Beginning on three plum trees near a small drain on the north side of said coal branch; thence running with a conditional line made between L.J. Perkins and R.L. Draughan up the point a westward course to a large oak in the L.J. Perkins field to the top of the ridge; thence with the top of said ridge to a conditional line between L.J. Perkins and Daniel Hays and with said line down the spur to Red Oak; thence a straight line to the beginning.

Deed Book 205 Page 681

A certain parcel or tract of land lying and being in Knott County, Kentucky on Perkins Branch of Troublesome Creek, Two (2) miles South East of the city of Hindman, on Route 160 near Knott County Central High School, and more particularly described as follows:

BEGINNING at a iron pin at corner of Knott County Board of Education property and Perkins Madden Road, Route 3391, right; thence with Knott County Board of Education line to the Jesse J. Smith line; thence with Jesse Smith line back down the point to the hollow at the corner of Jesse Smith line and property of Knott County Fiscal Court property line; thence down the hollow with the property lines of Knott County Fiscal Court, nursing home, Vernon Hall and Henry Holcomb to the road; thence back with Route 3391 right-of-way to the beginning so as to include all the property of Forrest and Rose Owens.

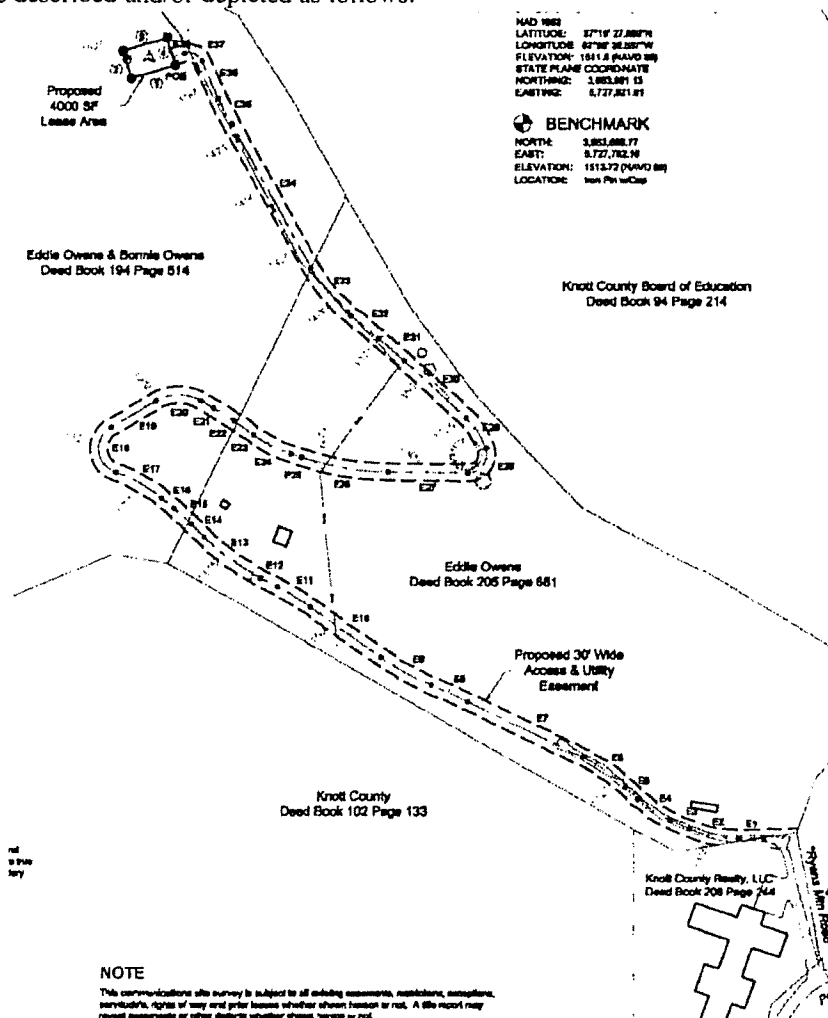
EXHIBIT 1

DESCRIPTION OF PREMISES

Page 2 of 2

to the Option and Lease Agreement dated _____, 20__, by and between EDDIE OWENS AND BONNIE OWENS, HUSBAND AND WIFE, 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.

Hindman

\$29.00

Knots County, KY
Ken Gayheart Clerk of Court
County Courthouse
54 West Main St.
Hindman, KY 41822
Phone Number: (606)785-5651

Official Receipt: 2013-00003860
Printed on 11/05/2013 at 09:18:03 AM
Page 42 on FEE

LEE SKAALERUD

Date Recorded: 11/05/2013

Instrument ID	Recorded Time	Amount
77 Pg 306	09:18:02 AM	\$29.00

LEASE DOCUMENT

OWENS, EDDIE

TO: NEW CINGULAR WIRELESS PCS LLC

Accounts	Amount
Affordable Housing Trust Fund	\$6.00
Clerk	\$18.00
State	\$3.00
Libraries	\$1.00
Postage	\$1.00

MEMORANDUM OF LEASE

Itemized Check Listing

Check # 358 \$29.00

ration

Total Due: \$29.00

Paid By Check: \$29.00

Change Tendered: \$0.00

Have a nice day

Re: Cell Site # KYALU6156; Cell Site Name: HINDMAN
Fixed Asset # 12568751
State: KENTUCKY
County: KNOTT

MEMORANDUM
OF
LEASE

This Memorandum of Lease is entered into on this 1st day of October, 2013, by and between EDDIE OWENS AND BONNIE OWENS, HUSBAND AND WIFE, having a mailing address of 290 PERKINS MADDEN ROAD, HINDMAN, KY 41822 (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 1st day of October, 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.

**EXHIBIT K
NOTIFICATION LISTING**

HINDMAN LANDOWNER NOTICE LIST

Eddie Owens
290 Perkins Madden Road
Hindman, Kentucky 41822

Eddie Owens & Bonnie Owens
290 Perkins Madden Road
Hindman, Kentucky 41822

East Kentucky Network, LLC
101 Technology Trail
Ivel, Kentucky 41642

Eloise Ingram
P.O. Box 23
Hindman, Kentucky 41822

Knott County Board of Education
P.O. Box 869
Hindman, Kentucky 41822

Rogers Auto Mart
P.O. Box 1197
Hindman, Kentucky 41822

Benny Hall & Thelma Honeycutt
4350 Long Meadow Lane
Beaver Creek, Ohio 45430

Knott County Realty, LLC
P.O. Box 1450
Corbin, Kentucky 40702

Knott County
P.O. Box 505
Hindman, Kentucky 41822

L&B Oil and Gas, Inc.
P.O. Box 219
Harold, Kentucky 41635

Rachael Southwood
577 Ashley Way
Lexington, Kentucky 40503

EXHIBIT L
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: Hindman**

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 290 Perkins Madden Road, Hindman, KY 41822 (37°19'27.86" North latitude, 82°58'32.54" 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 2013-00427 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:

1. Beginning at the Knott County Clerk's Office located at 54 West Main Street, Hindman, KY travel east toward Cs-1039.
2. Turn right onto KY-160 South and travel 1.5 miles.
3. Turn right onto Perkins Madden Road. Destination will be on the right at 290 Perkins Madden Road, Hindman, KY 41822.
4. site coordinates are
 - a. 37 deg 19 min 27.86 sec N
 - b. 82 deg 58 min 32.54 sec W

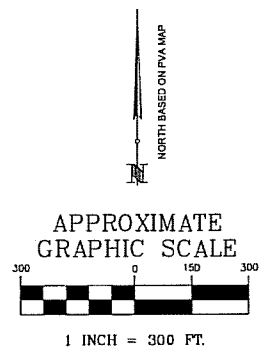
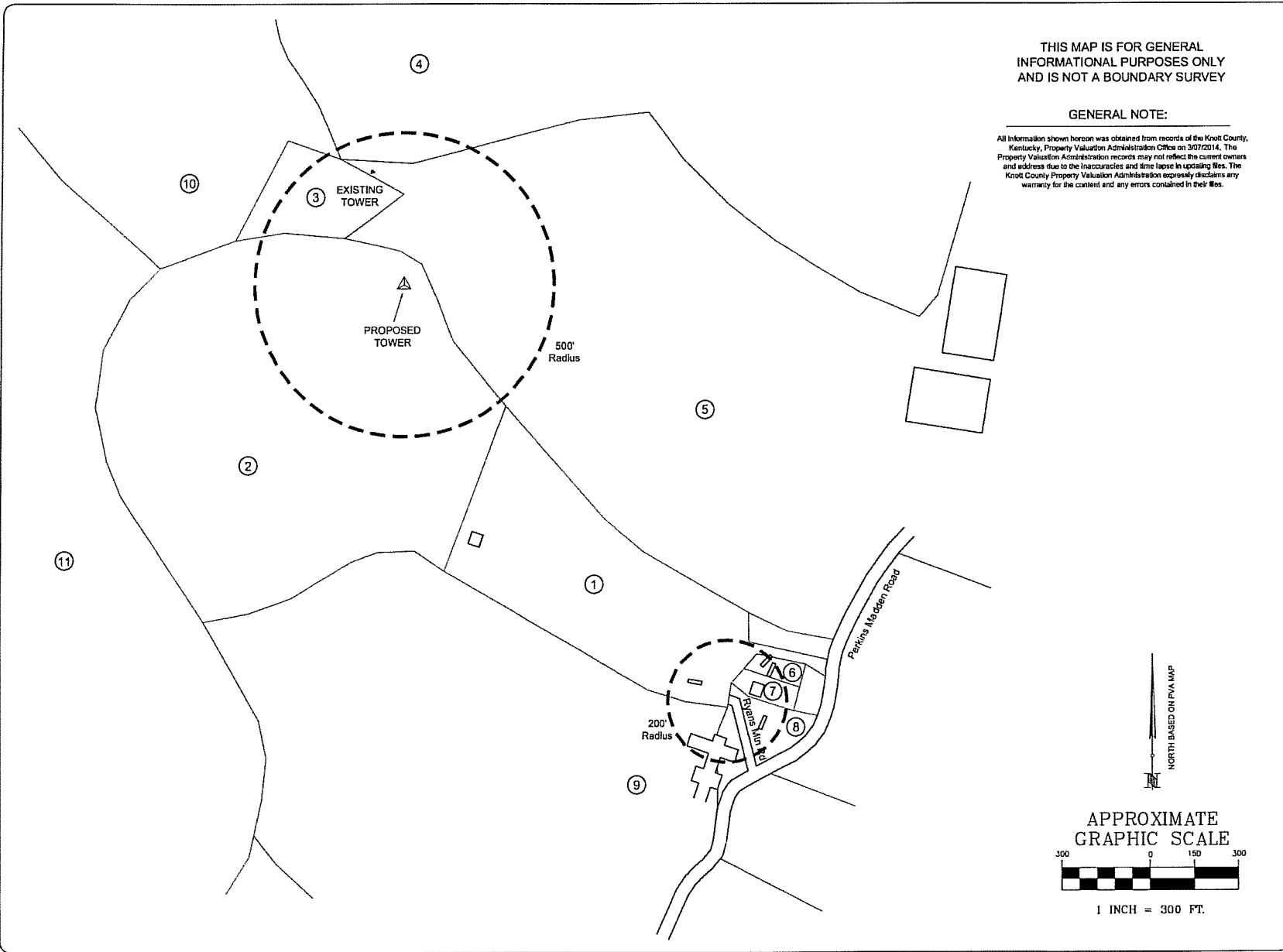


Prepared by:
Robert W. Grant
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
PO Box 369
Shepherdsville, KY 40165-0369
Telephone: 502-955-4400 or 800-516-4293

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

GENERAL NOTE:

All Information shown herein was obtained from records of the Knott County, Kentucky, Property Valuation Administration Office on 3/07/2014. 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.



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

STATE OF KENTUCKY
GEORGE BRIAN WYATT
2328
LICENSED PROFESSIONAL
LAND SURVEYOR

SITE NAME: HINDMAN

SITE I.D.: KYALU8158

SITE ADDRESS: 290 PERKINS MADDEN ROAD
HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER:
EDDIE & BONNIE OWENS
290 PERKINS MADDEN ROAD
HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
DEED BOOK 184 PAGE 814
DEED BOOK 205 PAGE 881

LATITUDE: 37° 19' 27.859" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE: 500' RADIUS VICINITY MAP

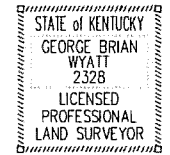
SHEET: C-1

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- ① PARCEL NUMBER: 049-00-00-059.04
Eddie Owens
290 Perkins Madden Road
Hindman, Kentucky 41822
- ② PARCEL NUMBER: 049-00-00-059.01
Eddie Owens & Bonnie Owens
290 Perkins Madden Road
Hindman, Kentucky 41822
- ③ PARCEL NUMBER: 049-00-00-057.02
PARCEL NUMBER: 049-00-00-59.03
East Kentucky Network, LLC
101 Technology Trail
Ivel, Kentucky 41642
- ④ PARCEL NUMBER: 049-70-20-044.00
Eloise Ingram
P.O. Box 23
Hindman, Kentucky 41822
- ⑤ PARCEL NUMBER: 049-00-00-57.00
Knott County Board of Education
P.O. Box 869
Hindman, Kentucky 41822
- ⑥ PARCEL NUMBER: 049-00-00-056.02
Rogers Auto Mart, Inc.
P.O. Box 1197
Hindman, Kentucky 41822
- ⑦ PARCEL NUMBER: 049-00-00-056.01
Benny Hall & Thelma Honeycutt
4350 Long Meadow Lane
Beaver Creek, Ohio 45430
- ⑧ PARCEL NUMBER: 049-00-00-060.05
Knott County Realty, LLC
P.O. Box 1450
Corbin, Kentucky 40702
- ⑨ PARCEL NUMBER: 049-00-00-60.00
Knott County
P.O. Box 505
Hindman, Kentucky 41882
- ⑩ PARCEL NUMBER: 049-00-00-59.02
L & B Oil and Gas, Inc.
P.O. Box 219
Harold, Kentucky 41635
- ⑪ PARCEL NUMBER: 038-00-00-16.03
Rachael Southwood
577 Ashley Way
Lexington, Kentucky 405035



SITE NAME: HINDMAN

SITE I.D.: KYALU6156

SITE ADDRESS: 290 PERKINS MADDEN ROAD HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER: EDDIE & BONNIE OWENS 290 PERKINS MADDEN ROAD HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE: DEED BOOK 184 PAGE 514 DEED BOOK 205 PAGE 681

LATITUDE: 37° 10' 27.859" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE: 500' RADIUS VICINITY MAP

SHEET: C-1A

EXHIBIT M
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
Knott County Judge Executive
P.O. Box 505
Hindman, KY 41822

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2013-00427
Site Name: Hindman

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 290 Perkins Madden Road, Hindman, KY 41822 (37°19'27.86" North latitude, 82°58'32.54" 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 2013-00427 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:

1. Beginning at the Knott County Clerk's Office located at 54 West Main Street, Hindman, KY travel east toward Cs-1039.
2. Turn right onto KY-160 South and travel 1.5 miles.
3. Turn right onto Perkins Madden Road. Destination will be on the right at 290 Perkins Madden Road, Hindman, KY 41822.
4. site coordinates are
 - a. 37 deg 19 min 27.86 sec N
 - b. 82 deg 58 min 32.54 sec W

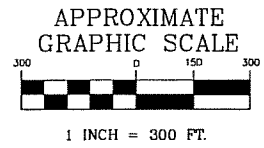
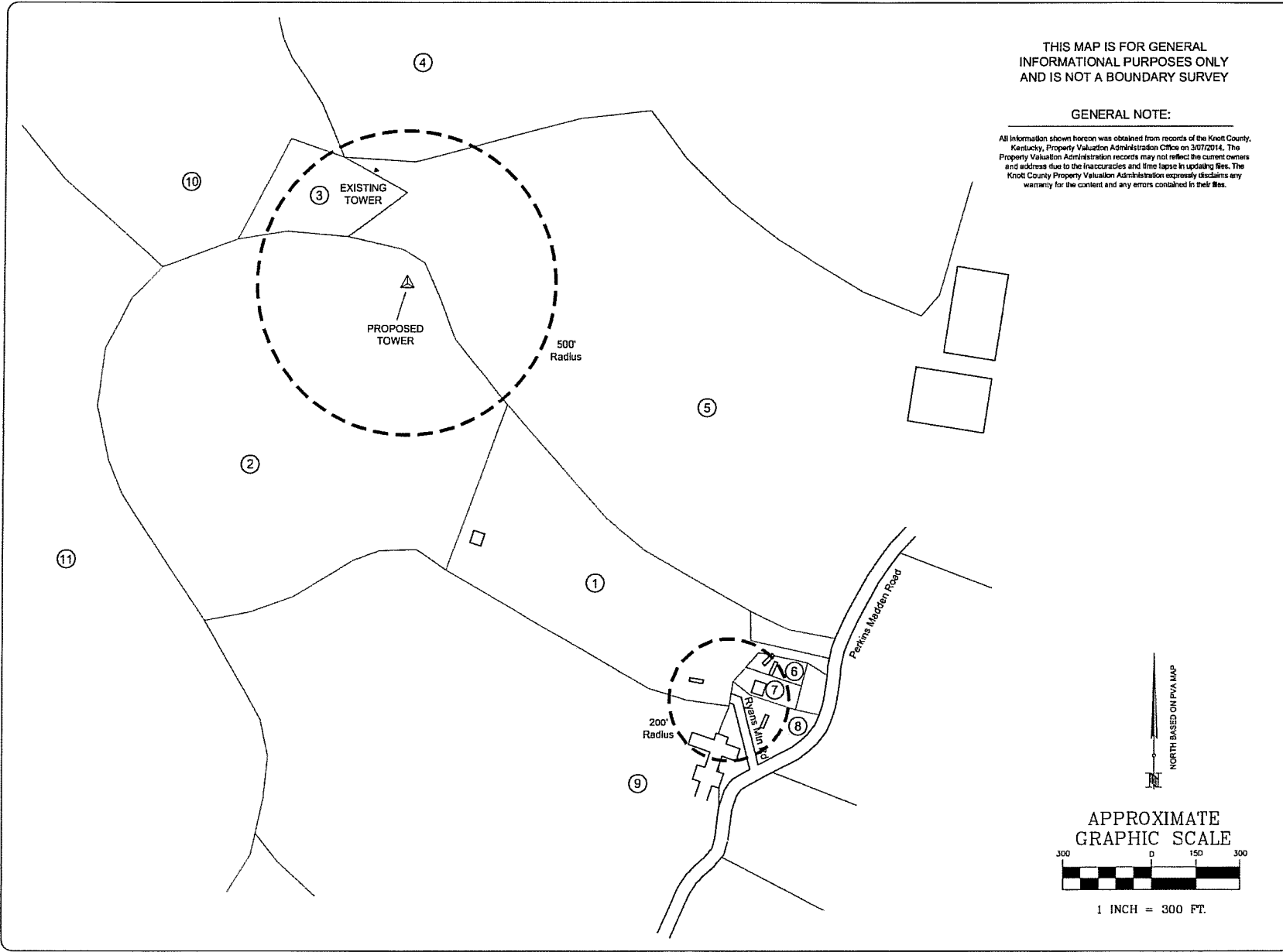


Prepared by:
Robert W. Grant
Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
PO Box 369
Shepherdsville, KY 40165-0369
Telephone: 502-955-4400 or 800-516-4293

THIS MAP IS FOR GENERAL
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BTM Engineering, Inc.
3001 TAYLOR SPRINGS DRIVE
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STATE OF KENTUCKY
GEORGE BRIAN WYATT
2328
LICENSED PROFESSIONAL
LAND SURVEYOR

SITE NAME: HINDMAN

SITE I.D.: KYALUB158

SITE ADDRESS: 290 PERKINS MADDEN ROAD
HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER:
EDDIE & BONNIE OWENS
290 PERKINS MADDEN ROAD
HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
DEED BOOK 184 PAGE 614
DEED BOOK 205 PAGE 681

LATITUDE: 37° 18' 27.889" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE:
500' RADIUS
VICINITY MAP

SHEET:
C-1

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STATE of KENTUCKY
GEORGE BRIAN
WYATT
2328
LICENSED
PROFESSIONAL
LAND SURVEYOR

SITE NAME: HINOMAN

SITE I.D.: KYALU6156

SITE ADDRESS: 290 PERKINS MADDOEN ROAD
HINDMAN, KNOTT COUNTY, KY 41822

LEASE AREA: 4000 SF

PROPERTY OWNER:
EDDIE & BONNIE OWENS
290 PERKINS MADDOEN ROAD
HINDMAN, KENTUCKY 41822

PARCEL NUMBER: 49-00-00-059.01

SOURCE OF TITLE:
DEED BOOK 184 PAGE 614
DEED BOOK 205 PAGE 681

LATITUDE: 37° 19' 27.859" N
LONGITUDE: 82° 58' 32.537" W

NO.	REVISION/ISSUE	DATE
1		
2		
3		
4		
5		

TITLE: 500' RADIUS
VICINITY MAP

SHEET:
C-1A

EXHIBIT N
COPY OF POSTED NOTICES



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 TELEFAX: 606-785-0105

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

RE: Legal Notice Advertisement
Site Name: Hindman

Dear Ms. Hall:

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

NOTICE

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 290 Perkins Madden Road, Hindman, KY 41822 (37°19'27.86" North latitude, 82°58'32.54" West longitude). 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 2013-00427 in any correspondence sent in connection with this matter.

After this advertisement has 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,

Robert W. Grant
Pike Legal Group, PLLC

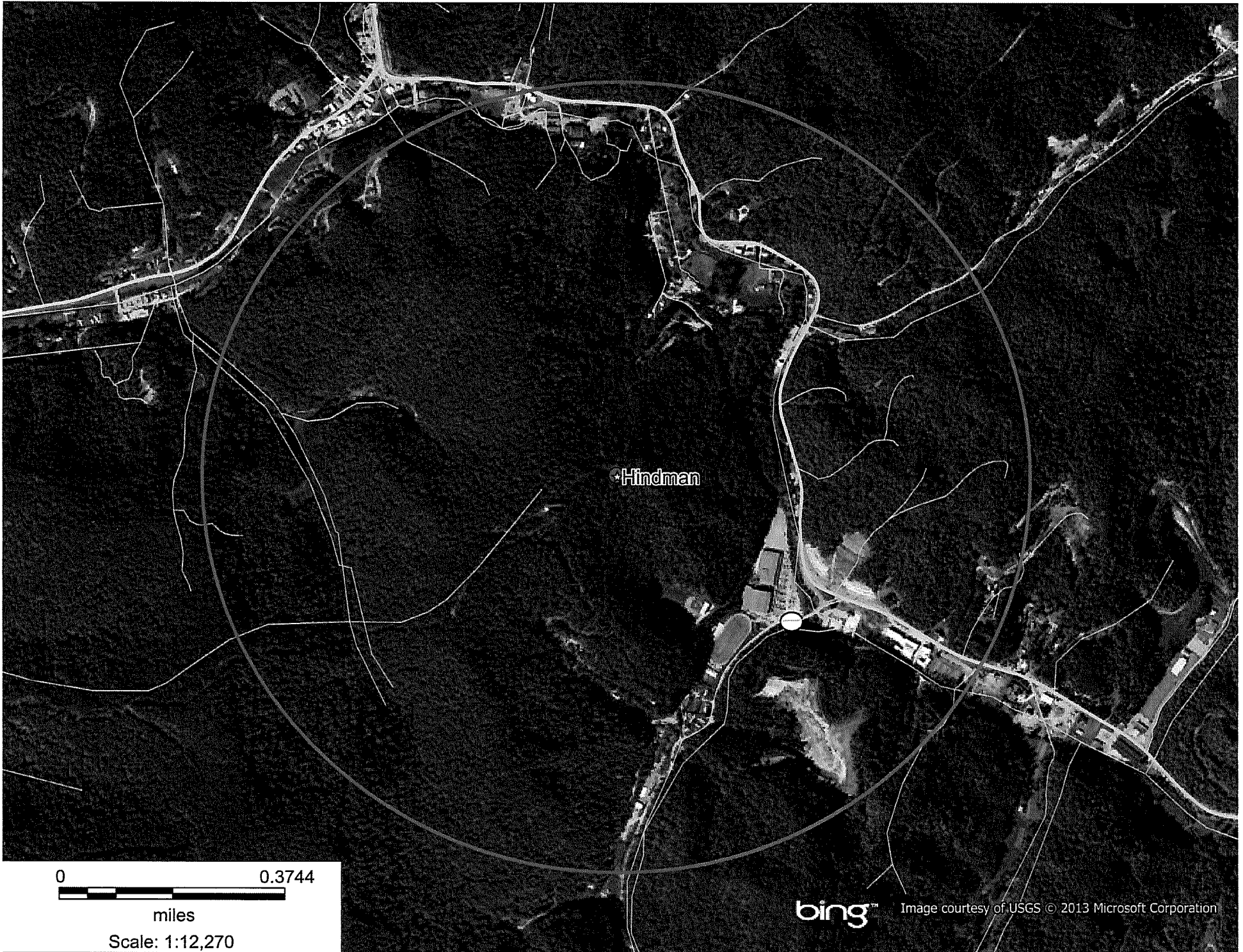
SITE NAME: HINDMAN
NOTICE SIGNS

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 Case No. 2013-00427 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 Case No. 2013-00427 in your correspondence.

EXHIBIT O
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



Hindman

0 0.3744
miles
Scale: 1:12,270

bing™ Image courtesy of USGS © 2013 Microsoft Corporation