

RECEIVED

APR 11 2014

PUBLIC SERVICE
COMMISSION

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

In the Matter of:

THE APPLICATION OF)
NEW CINGULAR WIRELESS PCS, LLC)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO.: 2014-00087
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF JOHNSON)

SITE NAME: STAFFORDSVILLE DT

* * * * *

**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. AT&T Mobility is in good standing in the state in which it is organized and is authorized to transact business in Kentucky.

4. The Applicant operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of the Applicant's FCC license to provide wireless services is attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

5. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve the Applicant's services to an area currently not served or not adequately served by the Applicant by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in

the Applicant's communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in the Applicant's network design that must be in place to provide adequate coverage to the service area.

6. To address the above-described service needs, Applicant proposes to construct a WCF on Fairchild Hill Road, Staffordsville, KY 41256 (37° 49' 44.631" North latitude, 82° 50' 24.326" 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 James T. Franklin pursuant to a Deed recorded at Deed Book 350, Page 767 in the office of the Johnson 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 a scale of no less than 1 inch equals 200 feet that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

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

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,

A handwritten signature in black ink, appearing to read "D. A. Pike", written over a horizontal line.

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

ULS License

PCS Broadband License - KNLF235 - New Cingular Wireless PCS, LLC

Call Sign	KNLF235	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	MTA018 - Cincinnati-Dayton	Channel Block	A
Submarket	15	Associated Frequencies (MHz)	001850.00000000-001865.00000000-001930.00000000-001945.00000000

Dates

Grant	07/18/2005	Expiration	06/23/2015
Effective	11/24/2012	Cancellation	

Buildout Deadlines

1st	06/23/2000	2nd	06/23/2005
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Notification Dates

1st	07/03/2000	2nd	05/16/2005
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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
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Contact

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

ULS License

Cellular License - KNKN861 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign	KNKN861	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular

Market

Market	CMA451 - Kentucky 9 - Elliott	Channel Block	A
Submarket	0	Phase	2

Dates

Grant	08/30/2011	Expiration	10/01/2021
Effective	12/10/2012	Cancellation	

Five Year Buildout Date

02/04/1997

Control Points

- 1** 1650 Lyndon Farms Court, LOUISVILLE, KY
P: (502)329-4700
- 2** 707 CONCORD ROAD, KNOXVILLE, TN

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
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Contact

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

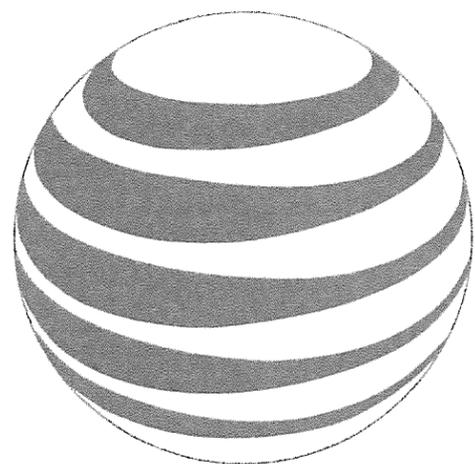
Race		Gender	
Ethnicity			



EXHIBIT B

SITE DEVELOPMENT PLAN:

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



at&t

STAFFORDSVILLE DT

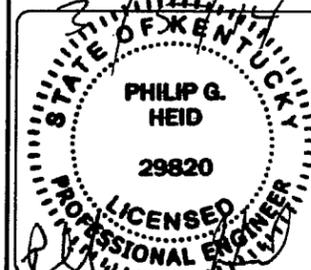
SITE ID: KYALU6166

FAIRCHILD HILL RD
JOHNSON COUNTY
STAFFORDSVILLE, KENTUCKY 41256

PROPOSED 255' SELF-SUPPORT WITH MULTIPLE EQUIPMENT LOCATIONS

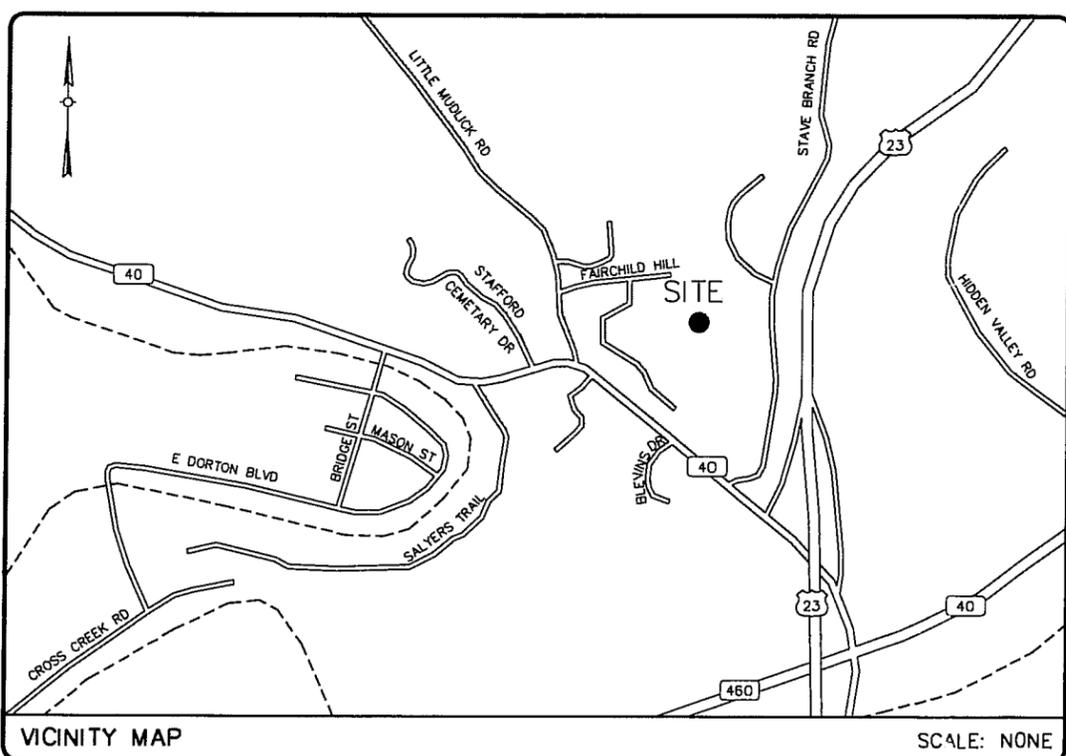
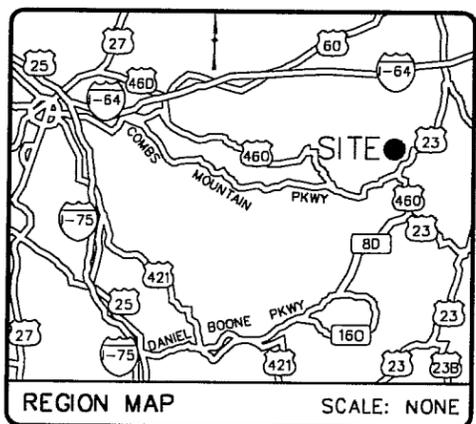


BT Engineering, Inc
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX



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).



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

POD
POWER OF DESIGN
26 VILLAGE PLAZA
SHELBYVILLE, KY 40065
SURVEYOR

DIRECTIONS FROM COUNTY SEAT: FROM COURTHOUSE HEAD NORTH ON COURT ST FOR APRX 0.1 MILE, TURN LEFT ONTO THIRD ST, CONTINUE APRX 0.2 MILES, TURN RIGHT ONTO WEST ST, AND STAY LEFT ONTO THIRD ST (US 23 BUSINESS) AND CONTINUE FOR APRX 1.5 MILES, TURN LEFT ONTO KY-40 AND PROCEED APRX 1.1 MILES, TURN RIGHT ONTO LITTLE MUDLICK RD AND CONTINUE FOR APRX 0.1 MILES, THEN TURN RIGHT ONTO FAIRCHILD HILL RD AND PROCEED APRX 500 FT, THEN TURN RIGHT STAYING ON FAIRCHILD HILL RD, CONTINUE TO ACCESS ROAD ON LEFT.
DIRECTIONS FROM WINCHESTER AT&T MTSO: STARTING AT 3800 CORPORATE DR WINCHESTER, KY, PROCEED TO THE COMBS MOUNTAIN PKWY AND CONTINUE FOR APRX 7.5 MILES TO SR 114. CONTINUE ON SR 114-E AND PROCEED FOR 2 MILES, THEN TURN LEFT ONTO US-460 E (ROCK HOUSE RD) CONTINUE APRX 13.6 MILES, TURN LEFT ONTO KY-40 AND PROCEED APRX 1.1 MILES, TURN RIGHT ONTO LITTLE MUDLICK RD AND CONTINUE FOR APRX 0.1 MILES, THEN TURN RIGHT ONTO FAIRCHILD HILL RD AND PROCEED APRX 500 FT, THEN TURN RIGHT STAYING ON FAIRCHILD HILL RD, CONTINUE TO ACCESS ROAD ON LEFT.

DIRECTIONS TO SITE

AT&T _____
WESTOWER _____ CONSTRUCTION MANAGER
WESTOWER _____ SITE ACQUISITION
SIGNATURE BOX

SITE NAME: STAFFORDSVILLE DT
SITE ID NUMBER: KYALU6166
SITE ADDRESS: FAIRCHILD HILL RD
STAFFORDSVILLE, KY 41256
1A COORDINATES:
LAT: 37° 49' 44.631"
LONG: 82° 50' 24.326"
ELEV: ±774.7 (NAVD 83)
PROPERTY OWNER:
JAMES T FRANKLIN
PO BOX 210
STAFFORDSVILLE, KY 41256
PHONE: (606) 297-2500

APPLICANT: AT&T
601 W. CHESTNUT ST. 1 EAST
LOUISVILLE, KENTUCKY 40203
CONTACT: MICHELLE WARD
PHONE: (502) 779-5950
TAX MAP NUMBER: 044
PARCEL NUMBER: 044-00-00-082.00
SOURCE OF TITLE: DEED BOOK 350, PAGE 767
LEASE AREA: 10,000 SF
PROJECT INFORMATION

SHT NO.	DESCRIPTION
T-1	TITLE SHEET & SHEET INDEX
Z-2	OVERALL LAYOUT
Z-2A	OVERALL 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

POLICE DEPARTMENT:
PHONE: (606) 789-3411 JOHNSON CO SHERIFF
FIRE DEPARTMENT:
PHONE: (606) 297-5555 STAFFORDSVILLE FIRE
ELECTRIC COMPANY:
AEP
CONTACT: CUSTOMER SERVICE
PHONE: 1-888-710-4237
TELEPHONE COMPANY:
FOOTHILLS RURAL
CONTACT: CUSTOMER SERVICE
PHONE: (606) 297-3501
CONTACT INFORMATION

SITE NAME: STAFFORDSVILLE DT
SITE ID NUMBER: KYALU6166
SITE ADDRESS: FAIRCHILD HILL RD
STAFFORDSVILLE, KY 41256
LATITUDE: 37° 49' 44.631" N
LONGITUDE: 82° 50' 24.326" W
TAX MAP NUMBER: 044
PARCEL NUMBER: 044-00-00-082.0
SOURCE OF TITLE: DEED BOOK 350, PAGE 767
PROPERTY OWNER: JAMES T FRANKLIN
PO BOX 210
STAFFORDSVILLE, KY 41256
CONTACT: JAMES FRANKLIN
PHONE: (606) 297-2500

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	02/05/14
2	ISSUE FOR ZONING	03/05/14

TITLE: TITLE SHEET
SHEET: T-1

LEGAL DESCRIPTIONS

THE FOLLOWING IS A DESCRIPTION OF AN AREA TO BE LEASED FROM THE PROPERTY OF JAMES T. FRANKLIN, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PROPOSED LEASE AREA

BEGINNING AT A FOUND IRON PIPE IN THE NORTH RIGHT-OF-WAY LINE OF FAIRCHILD HILL ROAD (aka MAIN ENTRANCE); THENCE LEAVING SAID RIGHT-OF-WAY LINE AND TRAVERSING SAID RIGHT-OF-WAY AND THE PROPERTY CONVEYED TO LORETTA FAIRCHILD AS RECORDED IN DEED BOOK 392, PAGE 483 IN THE OFFICE OF THE CLERK OF THE COUNTY COURT OF JOHNSON COUNTY, KENTUCKY, S25°43'16"W 170.31' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136" IN THE NORTHWEST RIGHT-OF-WAY LINE OF STREET #2; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND TRAVERSING SAID RIGHT-OF-WAY, S34°44'21"E 18.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136" IN THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID STREET #2; THENCE WITH SAID RIGHT-OF-WAY LINE; S55°15'39"W 22.34' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S30°00'33"W 1.72' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND TRAVERSING THE PROPERTY CONVEYED TO JAMES T. FRANKLIN AS RECORDED IN DEED BOOK 350, PAGE 767 AS RECORDED IN THE AFORESAID CLERK'S OFFICE, S00°00'00"W 125.32' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N90°00'00"E 21.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S00°00'00"E 17.50' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136" AND THE TRUE POINT OF BEGINNING OF THE PROPOSED LEASE AREA; THENCE N90°00'00"E 49.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S00°00'00"W 100.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N90°00'00"W 100.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N00°00'00"W 100.00'; THENCE N90°00'00"E 51.00' TO THE TRUE POINT OF BEGINNING CONTAINING 10,000 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 WITH POWER OF DESIGN GROUP, LLC DATED SEPTEMBER 16, 2013.

PROPOSED VAR. ACCESS & UTILITY EASEMENT

BEGINNING AT A FOUND IRON PIPE IN THE NORTH RIGHT-OF-WAY LINE OF FAIRCHILD HILL ROAD (aka MAIN ENTRANCE); THENCE LEAVING SAID RIGHT-OF-WAY LINE AND TRAVERSING SAID RIGHT-OF-WAY AND THE PROPERTY CONVEYED TO LORETTA FAIRCHILD AS RECORDED IN DEED BOOK 392, PAGE 483 IN THE OFFICE OF THE CLERK OF THE COUNTY COURT OF JOHNSON COUNTY, KENTUCKY, S25°43'16"W 170.31' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136" IN THE NORTHWEST RIGHT-OF-WAY LINE OF STREET #2 AND THE TRUE POINT OF BEGINNING OF THE PROPOSED VARIABLE ACCESS & UTILITY EASEMENT; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND TRAVERSING SAID RIGHT-OF-WAY, S34°44'21"E 18.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136" IN THE SOUTHEAST RIGHT-OF-WAY LINE OF SAID STREET #2; THENCE WITH SAID RIGHT-OF-WAY LINE; S55°15'39"W 22.34' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S30°00'33"W 1.72' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND TRAVERSING THE PROPERTY CONVEYED TO JAMES T. FRANKLIN AS RECORDED IN DEED BOOK 350, PAGE 767 AS RECORDED IN THE AFORESAID CLERK'S OFFICE, S00°00'00"W 125.32' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N90°00'00"E 21.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S00°00'00"E 17.50' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N90°00'00"W 100.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N00°00'00"W 126.87' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S00°00'00"E 17.50' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE S90°00'00"W 51.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N90°00'00"E 100.00' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136" IN AFORESAID NORTHWEST RIGHT-OF-WAY LINE; THENCE WITH SAID RIGHT-OF-WAY LINE, N30°00'33"E 34.57' TO A SET 5/8" REBAR CAPPED "PATTERSON PLS 3136"; THENCE N55°15'39"E 26.37' TO THE TRUE POINT OF BEGINNING CONTAINING 4,810 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 WITH POWER OF DESIGN GROUP, LLC DATED SEPTEMBER 16, 2013.

LEGEND

- UTILITY POLE
- ⊙ LIGHT POST
- ▣ TELCO PEDESTAL
- ▣ TRANSFORMER
- GUY WIRE
- OHE — OHE
- OHE&T — OHE&T
- X — X
- — — EX. DITCH
- — — SET 5/8" REBAR 18" LONG CAPPED "PATTERSON PLS 3136" (UNLESS OTHERWISE NOTED)
- — — SET PK NAIL
- — — FOUND MONUMENT AS NOTED
- EOP EDGE OF PAVEMENT
- CONC CONCRETE
- ROW RIGHTS OF WAY
- POB POINT OF BEGINNING
- IPC IRON PIN CAPPED
- EX. OVERHEAD ELECTRIC
- EX. OVERHEAD ELECTRIC & TELEPHONE
- EX. FENCE LINE

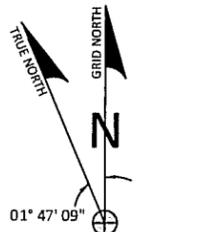
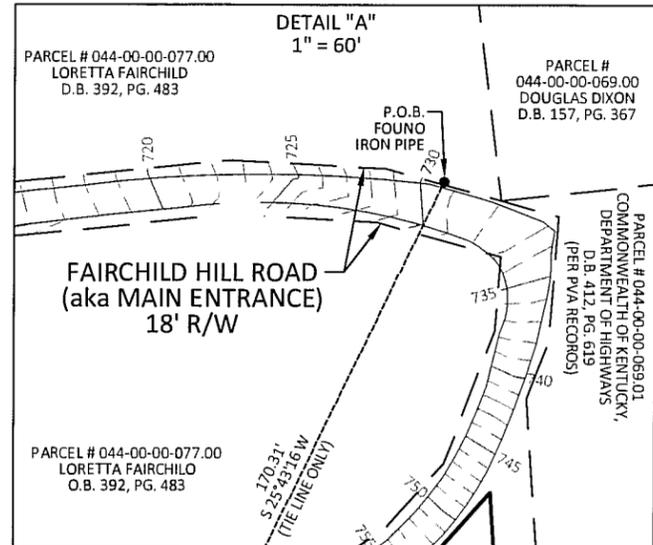
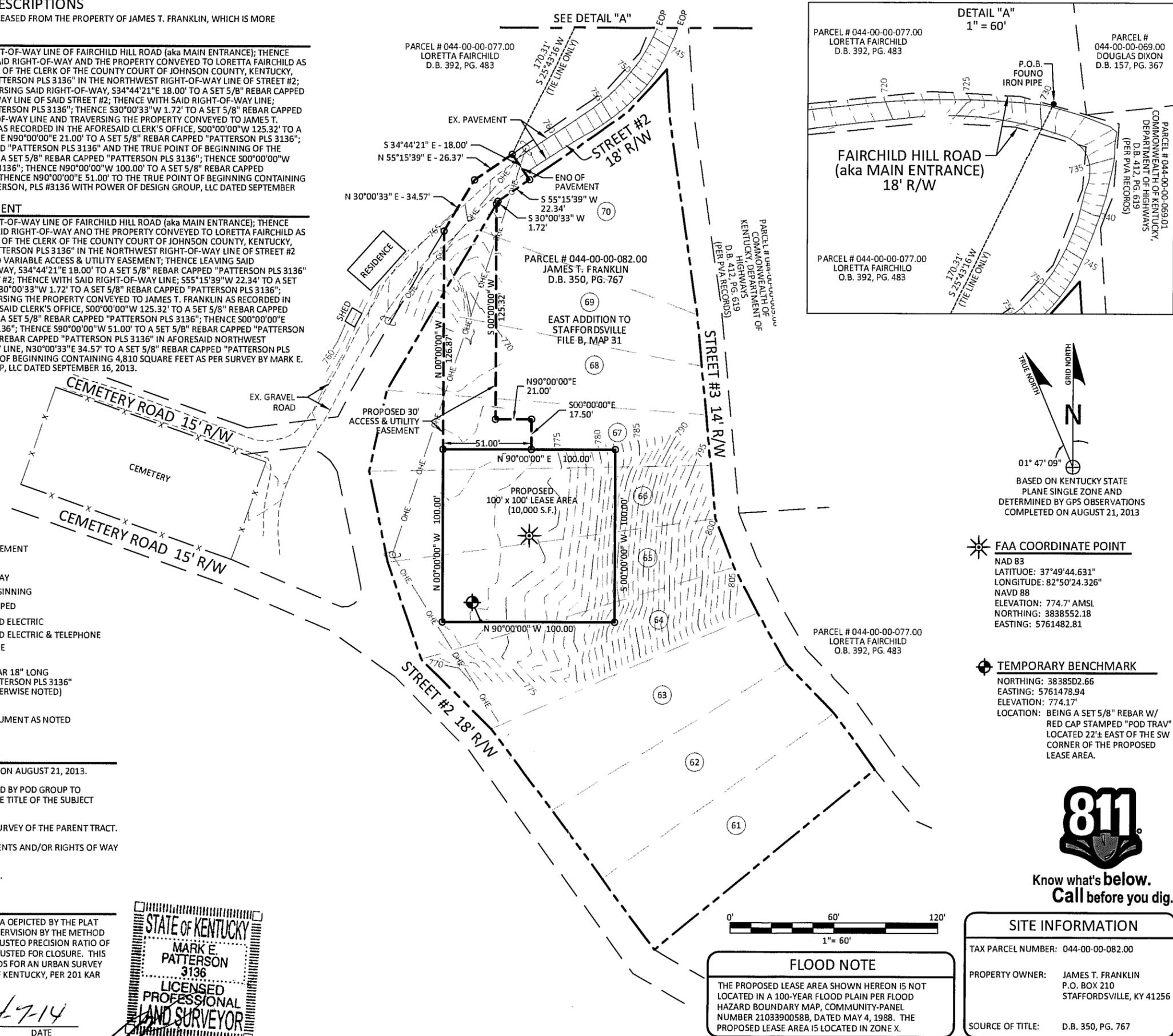
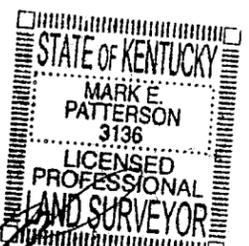
GENERAL NOTES

- BASIS OF BEARING IS GPS OBSERVATIONS COMPLETED ON AUGUST 21, 2013.
- NO SEARCH OF PUBLIC RECORDS HAS BEEN COMPLETED BY POD GROUP TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE SUBJECT PROPERTY.
- THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT TRACT.
- THIS PROPERTY IS SUBJECT TO ANY RECORDED EASEMENTS AND/OR RIGHTS OF WAY SHOWN HEREON OR NOT.
- THIS DRAWING IS NOT INTENDED FOR LAND TRANSFER.

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE SURVEY OF THE LEASE AREA OEPICED BY THE PLAT WAS PERFORMED BY PERSONS UNDER MY DIRECT SUPERVISION BY THE METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN URBAN SURVEY FOR THE LEASE AREA AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 201 KAR 18:150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

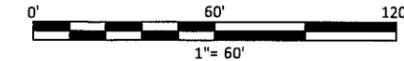
Mark E. Patterson 4-7-14
 MARK PATTERSON, LPLS #3136 DATE



BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON AUGUST 21, 2013

FAA COORDINATE POINT
 NAD 83
 LATITUDE: 37°49'44.631"
 LONGITUDE: 82°50'24.326"
 NAVD 88
 ELEVATION: 774.7' AMSL
 NORTHING: 3838552.18
 EASTING: 5761482.81

TEMPORARY BENCHMARK
 NORTHING: 3838502.66
 EASTING: 5761478.94
 ELEVATION: 774.17'
 LOCATION: BEING A SET 5/8" REBAR W/ RED CAP STAMPED "POD TRAV" LOCATED 22± EAST OF THE SW CORNER OF THE PROPOSED LEASE AREA.



FLOOD NOTE
 THE PROPOSED LEASE AREA SHOWN HEREON IS NOT LOCATED IN A 100-YEAR FLOOD PLAIN PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NUMBER 2103390058B, DATED MAY 4, 1988. THE PROPOSED LEASE AREA IS LOCATED IN ZONE X.

SITE INFORMATION	
TAX PARCEL NUMBER:	044-00-00-082.00
PROPERTY OWNER:	JAMES T. FRANKLIN P.O. BOX 210 STAFFORDSVILLE, KY 41256
SOURCE OF TITLE:	D.B. 350, PG. 767



SURVEY

REV.	DATE	DESCRIPTION
1	02.07.14	TWR CENTER & ACCESS
2	03.21.14	LEGAL OESCRPTION

SITE INFORMATION:
STAFFORDSVILLE DT
 FAIRCHILD HILL ROAD
 STAFFORDSVILLE, KY 41256

SITE NUMBER:
 POD NUMBER: 13-0878
 DRAWN BY: TMO
 CHECKED BY: MEP
 DATE: 09.16.13

SHEET TITLE:
SITE SURVEY
 SHEET NUMBER:
B-1





SURVEY

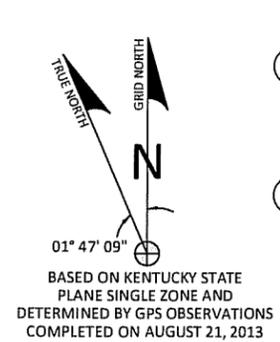
REV.	DATE	DESCRIPTION
A	03.21.14	VERIFIED PVA

SITE INFORMATION:
STAFFORDSVILLE DT
 FAIRCHILD HILL ROAD
 STAFFORDSVILLE, KY 41256
 COUNTY: JOHNSON

SITE NUMBER:
 POD NUMBER: 13-0879
 DRAWN BY: CSA
 CHECKED BY: MEP
 DATE: 10.08.13

SHEET TITLE:
**500' RADIUS &
 ABUTTER'S MAP**

SHEET NUMBER:
B-2



(A) PARCEL # 044-00-00-082.00
 JAMES FRANKLIN
 PO BOX 210
 STAFFORDVILLE, KY 41256
 D.B. 350, PG. 767
 NO ZONING

(B) PARCEL # 044-00-00-077.02
 BARBARA WARD
 PO BOX 407
 STAFFORDVILLE, KY 41256
 D.B. 325, PG. 160
 NO ZONING

(C) PARCEL # 044-00-00-077.00
 LORETTA FAIRCHILD
 PO BOX 274
 STAFFORDVILLE, KY 41256
 D.B. 392, PG. 483
 NO ZONING

(D) PARCEL # 036-00-00-067.02
 JOHN CANTRELL, JR
 PO BOX 59
 STAFFORDVILLE, KY 41256
 D.B. 244, PG. 89
 NO ZONING

(E) PARCEL # 036-00-00-067.00
 JOHN CANTRELL, JR -ETAL-
 PO BOX 59
 STAFFORDVILLE, KY 41256
 D.B. 388, PG. 678
 NO ZONING

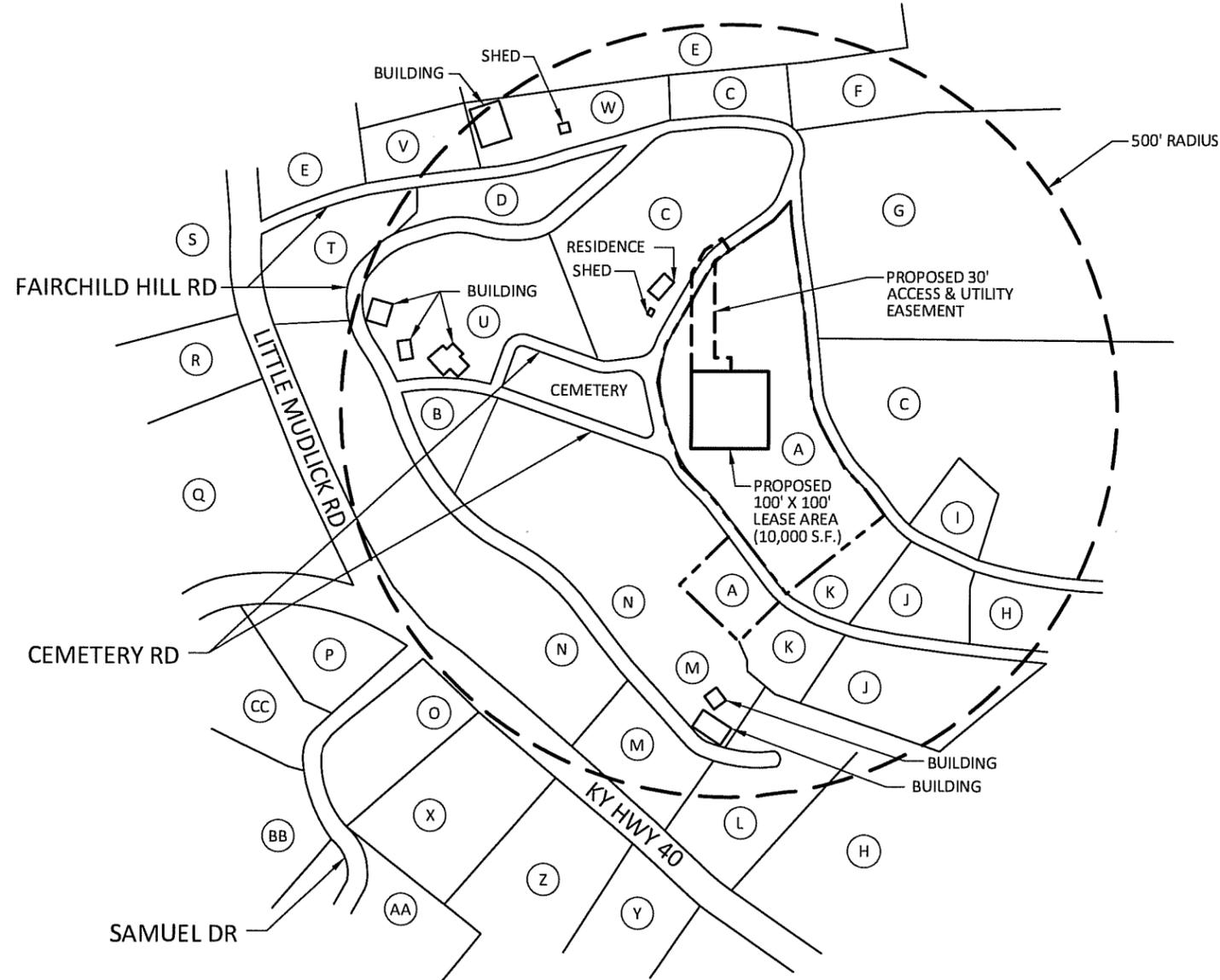
(F) PARCEL # 044-00-00-069.00
 DOUGLAS DIXON
 PO BOX 1000
 PAINTSVILLE, KY 41240
 D.B. 157, PG. 367
 NO ZONING

(G) PARCEL # 044-00-00-069.01
 COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 STATE OFFICE BUILDING
 FRANKFORT, KY 40622
 D.B. 412, PG. 619
 NO ZONING

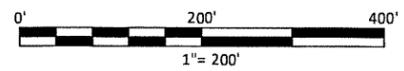
(H) PARCEL # 044-00-00-068.00
 MARILYN DAVIS DEEULIS
 1726 PRICE LN
 HUNTINGTON, WV 25705
 D.B. 30, PG. 571
 NO ZONING

(S) PARCEL # 036-02-03-004.00
 SECRETARY OF VETERANS AFFAIRS
 C/O TIM WHEELER
 P.O. BOX 840
 STAFFORDSVILLE, KY 41256
 D.B. 441, PG. 609
 NO ZONING

(T) PARCEL # 044-00-00-074.00
 LORETTA FAIRCHILD AND SANDRA KING
 PO BOX 274
 STAFFORDVILLE, KY 41256
 D.B. 392, PG. 487
 NO ZONING



- GENERAL NOTE:**
- ALL INFORMATION SHOWN HEREON WAS OBTAINED FROM THE RECORDS OF THE JOHNSON COUNTY KENTUCKY PROPERTY VALUATION ADMINISTRATION OFFICE ON 8.21.13 AND UPDATED ON 3.21.14. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESSES DUE TO THE INACCURACIES AND TIME LAPSE IN UPDATING FILES. POD AND THE COUNTY PROPERTY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANY ERRORS CONTAINED IN THEIR FILES
 - THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY
 - NOT FOR RECORDING OR PROPERTY TRANSFER.



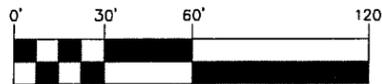
SITE PLAN NOTES

1. THE PROPOSED DEVELOPMENT IS FOR A 255 FOOT SELF-SUPPORT TOWER AND MULTIPLE EQUIPMENT LOCATIONS. THE LOCATION IS FAIRCHILD HILL RD, STAFFORDSVILLE, KY 41256.
2. THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZED DRIVE FROM AN EXISTING GRAVEL ROADWAY (FAIRCHILD HILL 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° 49' 44.631"N
 LONGITUDE: 82° 50' 24.326"W
4. REMOVE ALL VEGETATION, CLEAN AND GRUBB 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

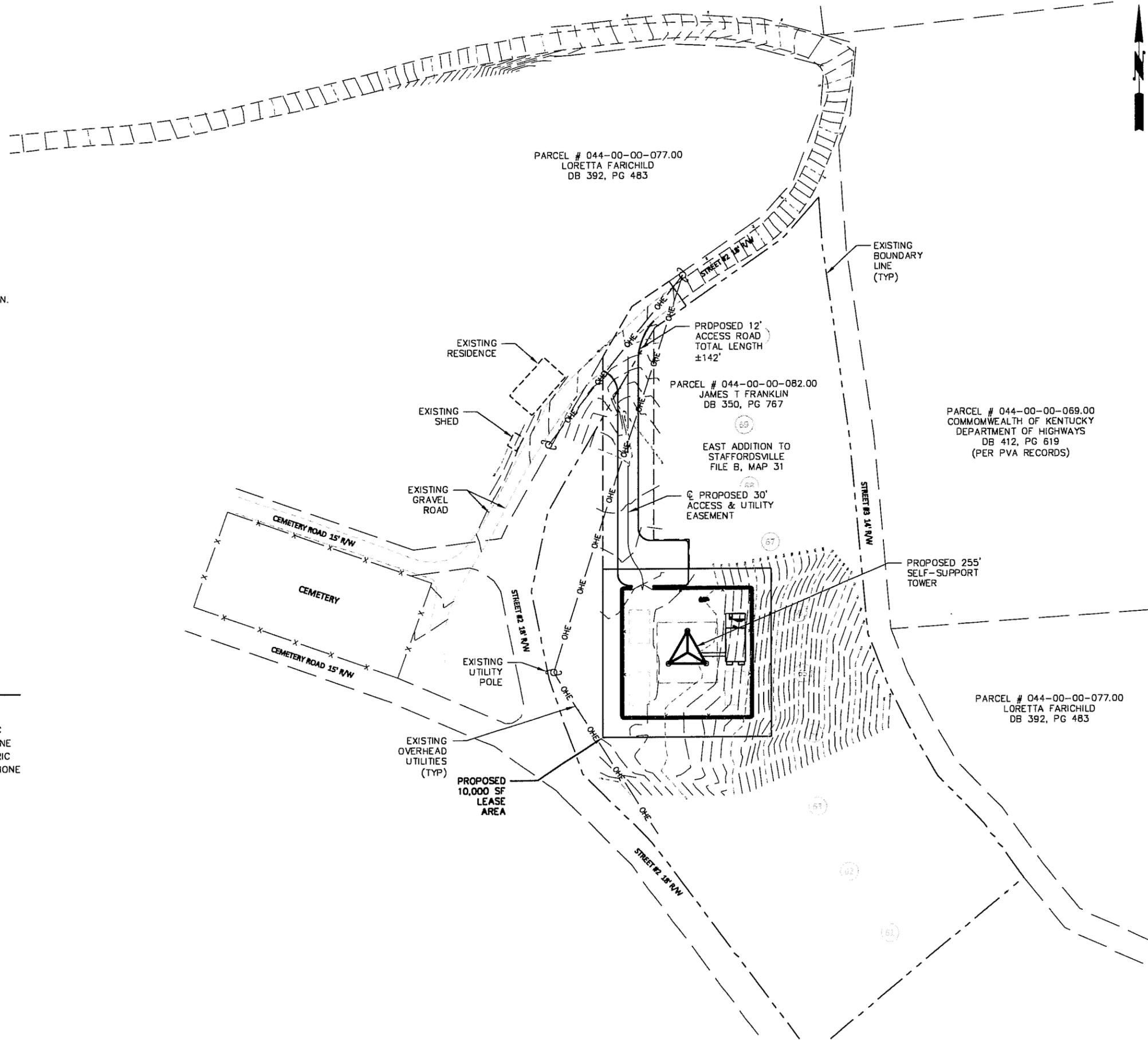
UNDERGROUND UTILITIES
 CALL 2 WORKING DAYS
BEFORE YOU DIG
 INDIANA 1-800-382-5544
 KENTUCKY 1-800-752-6007
 OR DIAL 811
 UTILITIES PROTECTION SERVICE
 NON-MEMBERS MUST CALL DIRECTLY

LEGEND

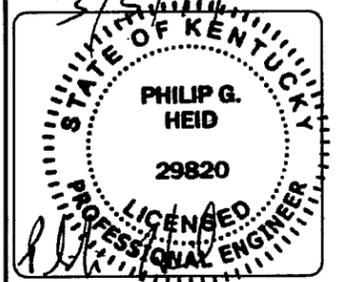
- E— EXISTING OVERHEAD ELECTRIC
- T— EXISTING OVERHEAD TELEPHONE
- UE— EXISTING UNDERGROUND ELECTRIC
- UT— EXISTING UNDERGROUND TELEPHONE
- UE—UE— PROPOSED UNDERGROUND ELECTRIC
- UT—UT— PROPOSED UNDERGROUND TELEPHONE
- x-x- FENCE LINE
- POWER POLE
- TELE. PED. TELEPHONE PEDESTAL
- ⊗ WATER VALVES
- ⊕ FIRE HYDRANTS
- BOLLARDS
- ⊗ GAS VALVES



SCALE: 1" = 60'



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



SITE NAME: STAFFORDSVILLE DT

SITE ID NUMBER: KYALU6166

SITE ADDRESS: FAIRCHILD HILL RD
 STAFFORDSVILLE, KY 41256

LATITUDE: 37° 49' 44.631" N
 LONGITUDE: 82° 50' 24.326" W

TAX MAP NUMBER: 044

PARCEL NUMBER: 044-00-00-082.0

SOURCE OF TITLE:
 DEED BOOK 350, PAGE 767

PROPERTY OWNER:
 JAMES T FRANKLIN
 PO BOX 210
 STAFFORDSVILLE, KY 41256
 CONTACT: JAMES FRANKLIN
 PHONE: (606) 297-2500

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	02/05/14
2	ISSUE FOR ZONING	03/05/14

TITLE: OVERALL LAYOUT

SHEET: Z-2

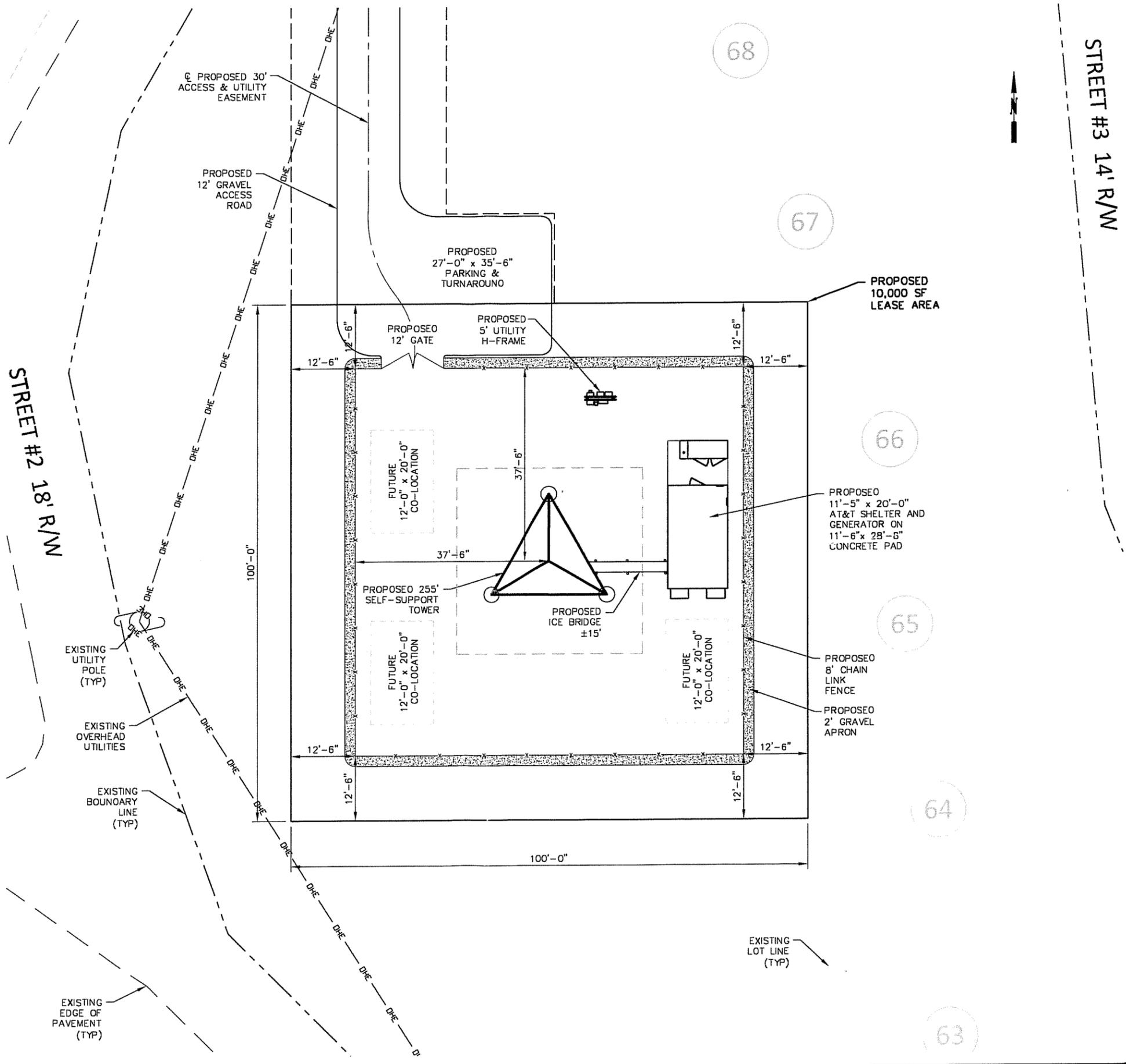
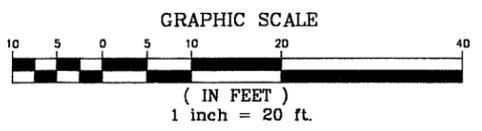
SITE PLAN NOTES

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UNDERGROUND UTILITIES
 CALL 2 WORKING DAYS
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 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- -	PROPOSED UNDERGROUND ELECTRIC
- -UT- -	PROPOSED UNDERGROUND TELEPHONE
-X-X-	FENCE LINE
○	POWER POLE
■ TELE. PED	TELEPHONE PEDESTAL
⊗	WATER VALVES
⊗	FIRE HYDRANTS
●	BOLLARDS
⊗	GAS VALVES



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

SITE NAME: STAFFORDSVILLE DT

SITE ID NUMBER: KYALU6166

SITE ADDRESS: FAIRCHILD HILL RD
 STAFFORDSVILLE, KY 41256

LATITUDE: 37° 49' 44.631" N
 LONGITUDE: 82° 50' 24.326" W

TAX MAP NUMBER: 044

PARCEL NUMBER: 044-00-00-082.0

SOURCE OF TITLE:
 DEED BOOK 350, PAGE 767

PROPERTY OWNER:
 JAMES T FRANKLIN
 PO BOX 210
 STAFFORDSVILLE, KY 41256
 CONTACT: JAMES FRANKLIN
 PHONE: (606) 297-2500

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	02/05/14
2	ISSUE FOR ZONING	03/05/14

TITLE:
 SITE LAYOUT

SHEET:
Z-3



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



SITE NAME: STAFFORDSVILLE DT

SITE ID NUMBER: KYALU6166

SITE ADDRESS: FAIRCHILD HILL RD
 STAFFORDSVILLE, KY 41256

LATITUDE: 37° 49' 44.631" N
 LONGITUDE: 82° 50' 24.326" W

TAX MAP NUMBER: 044

PARCEL NUMBER: 044-00-00-082.0

SOURCE OF TITLE:
 DEED BODK 350, PAGE 767

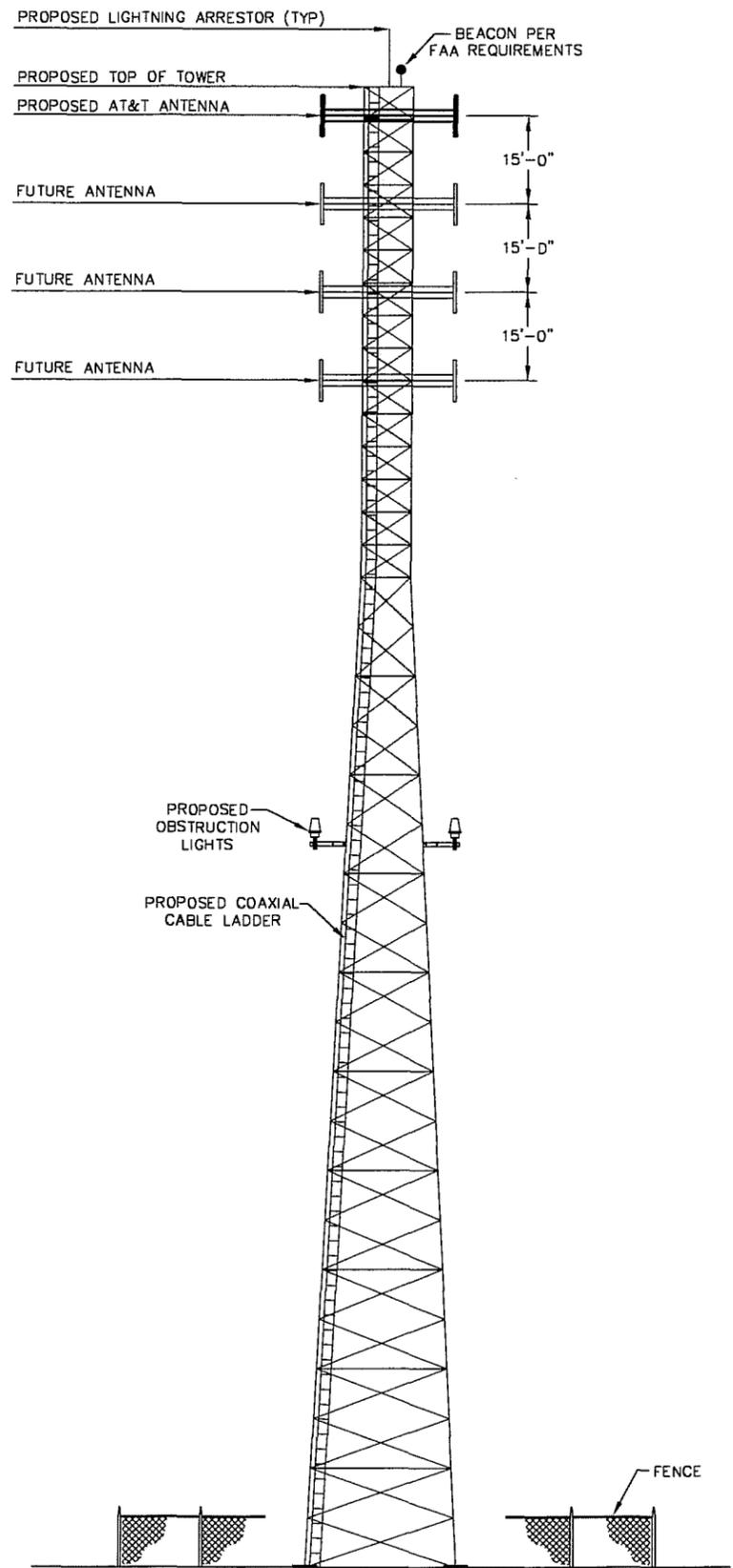
PROPERTY OWNER:
 JAMES T FRANKLIN
 PO BOX 210
 STAFFORDSVILLE, KY 41256
 CONTACT: JAMES FRANKLIN
 PHONE: (606) 297-2500

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	02/05/14
2	ISSUE FOR ZONING	03/05/14

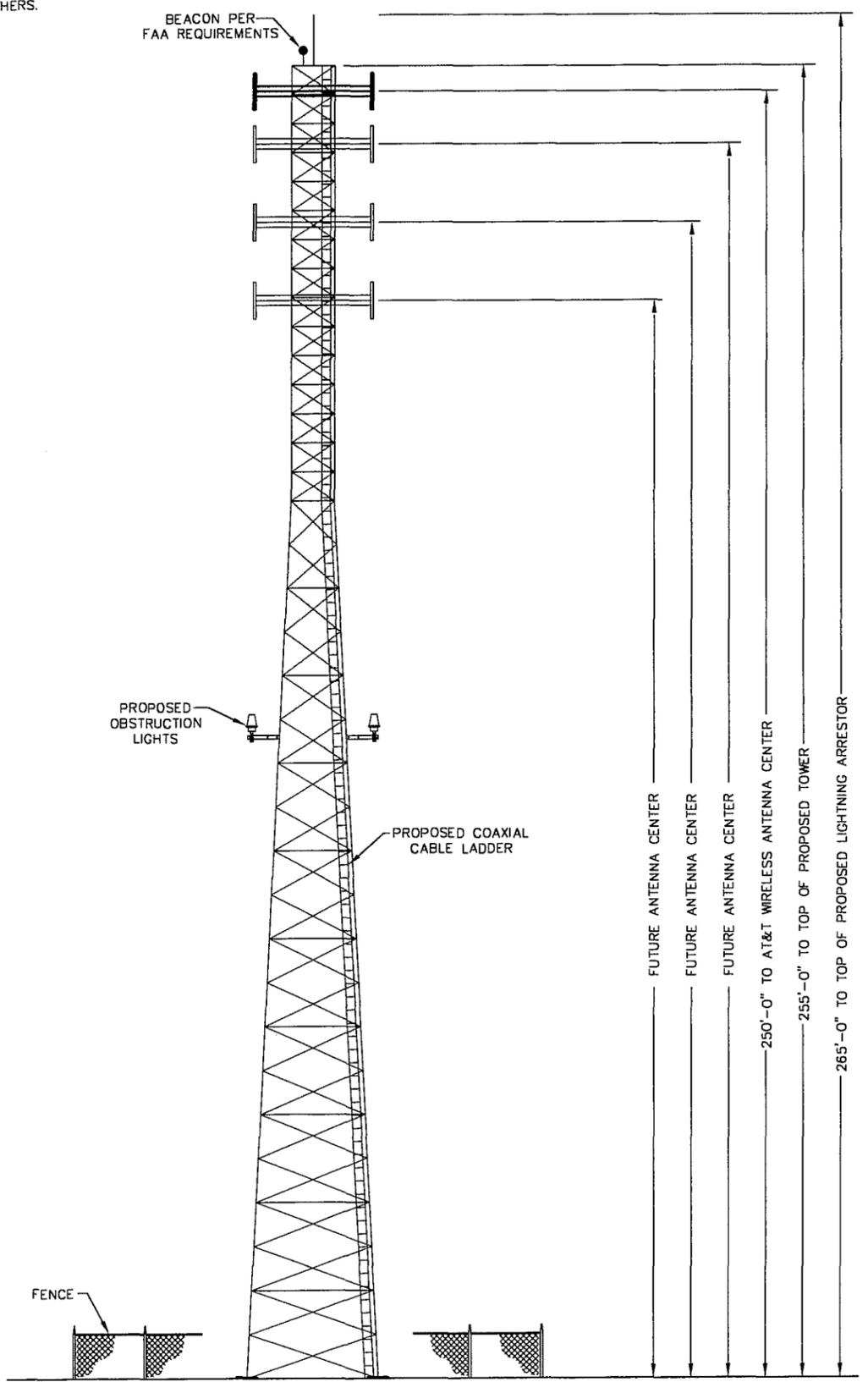
TITLE:
 NORTH/SOUTH
 TOWER ELEVATIONS

SHEET:
Z-5

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



NORTH ELEVATION
 NOT TO SCALE

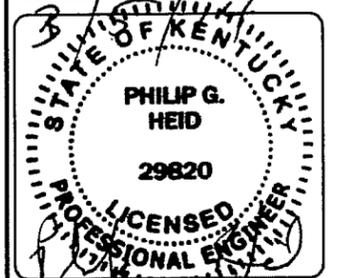


SOUTH ELEVATION
 NOT TO SCALE



WEST TOWER COMMUNICATIONS

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



SITE NAME: STAFFORDSVILLE DT

SITE ID NUMBER: KYALU6166

SITE ADDRESS: FAIRCHILD HILL RD
STAFFORDSVILLE, KY 41256

LATITUDE: 37° 49' 44.631" N
LONGITUDE: 82° 50' 24.326" W

TAX MAP NUMBER: 044

PARCEL NUMBER: 044-00-00-082.0

SOURCE OF TITLE:
DEED BOOK 350, PAGE 767

PROPERTY OWNER:
JAMES T FRANKLIN
PO BOX 210
STAFFORDSVILLE, KY 41256
CONTACT: JAMES FRANKLIN
PHONE: (606) 297-2500

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	02/05/14
2	ISSUE FOR ZONING	03/05/14

TITLE:
EAST/WEST TOWER ELEVATIONS

SHEET:
Z-6

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

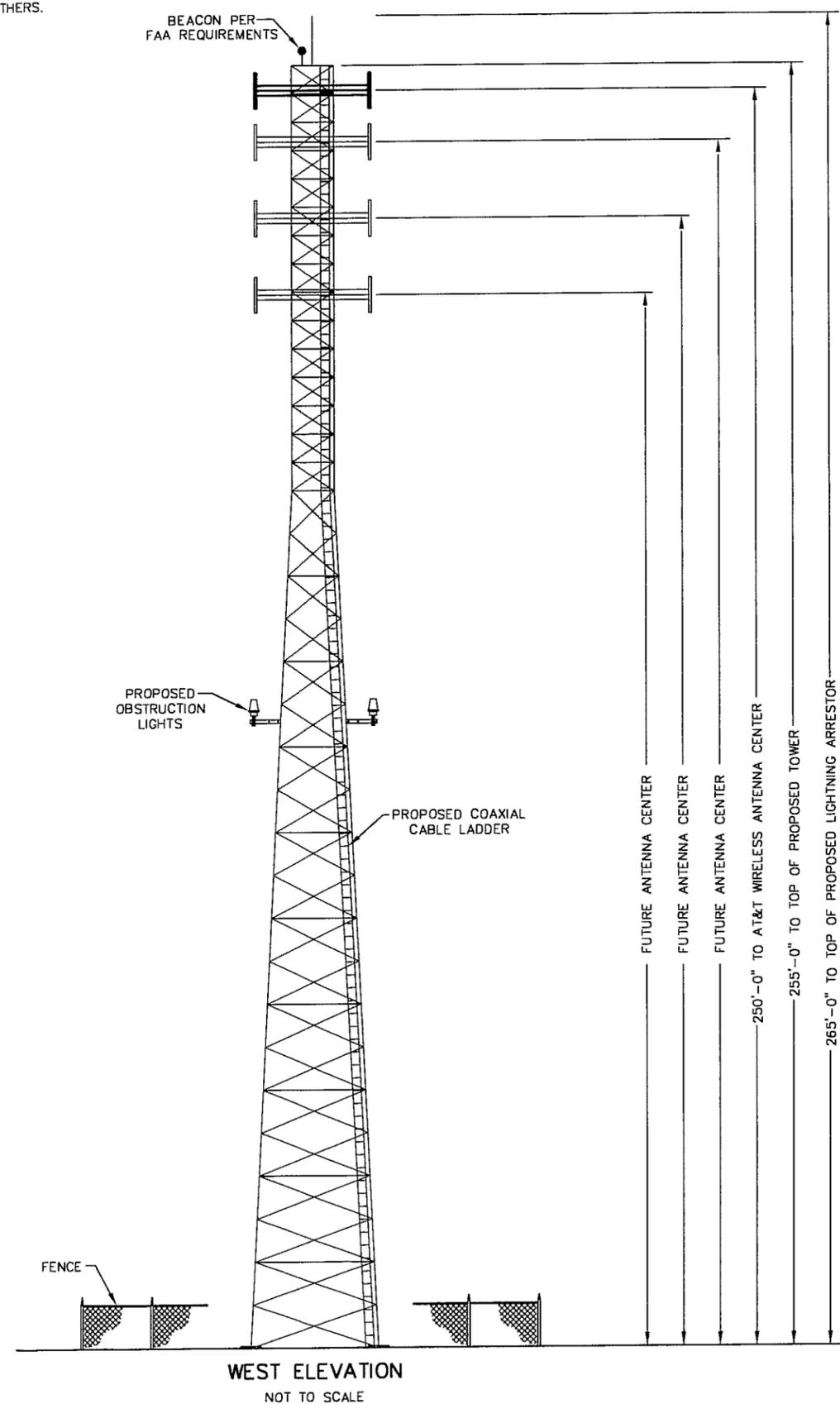
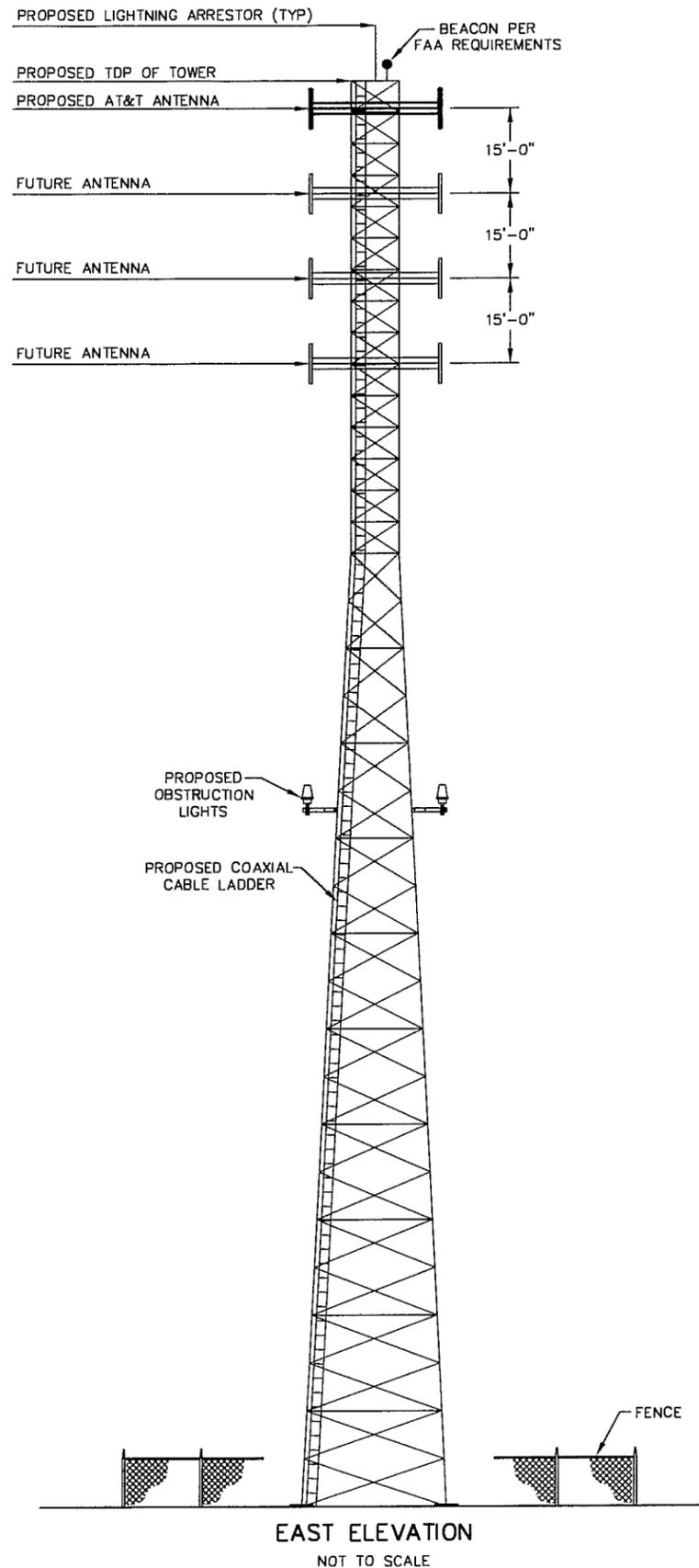


EXHIBIT C
TOWER AND FOUNDATION DESIGN



March 1, 2014

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

RE: Site Name: Staffordsville
Proposed Cell Tower
37-49-44.631 North Latitude, 82-50-24.326 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 that reads "John Boud".

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 13, 2014

Westtower Communications

Attn: John Boud

SUBJECT: Valmont File # 243501
Model V-27.0 X 255' Self Supporting Tower
Site Name: Staffordsville-AL6168, 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 (3/4" ice) per ANSI/TIA-222-G with Class II, Topographical category 1, Exposure criteria C and a Crest height of 0 feet.

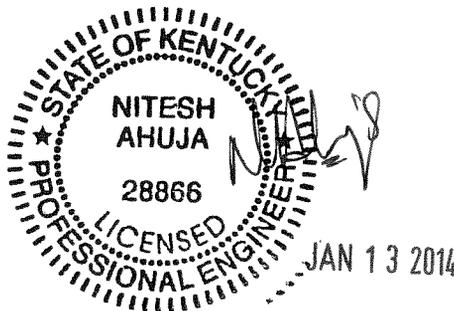
We are aware of few documented instances of a self supporting tower or monopole failure. Self supporting towers and monopoles can be designed such that the most common mode of failure is in the upper middle region of the tower, with the upper portion of the tower remaining connected and "bending and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

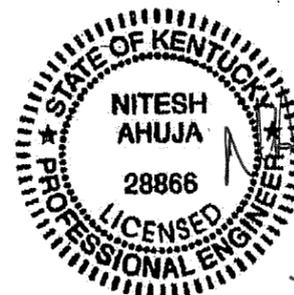
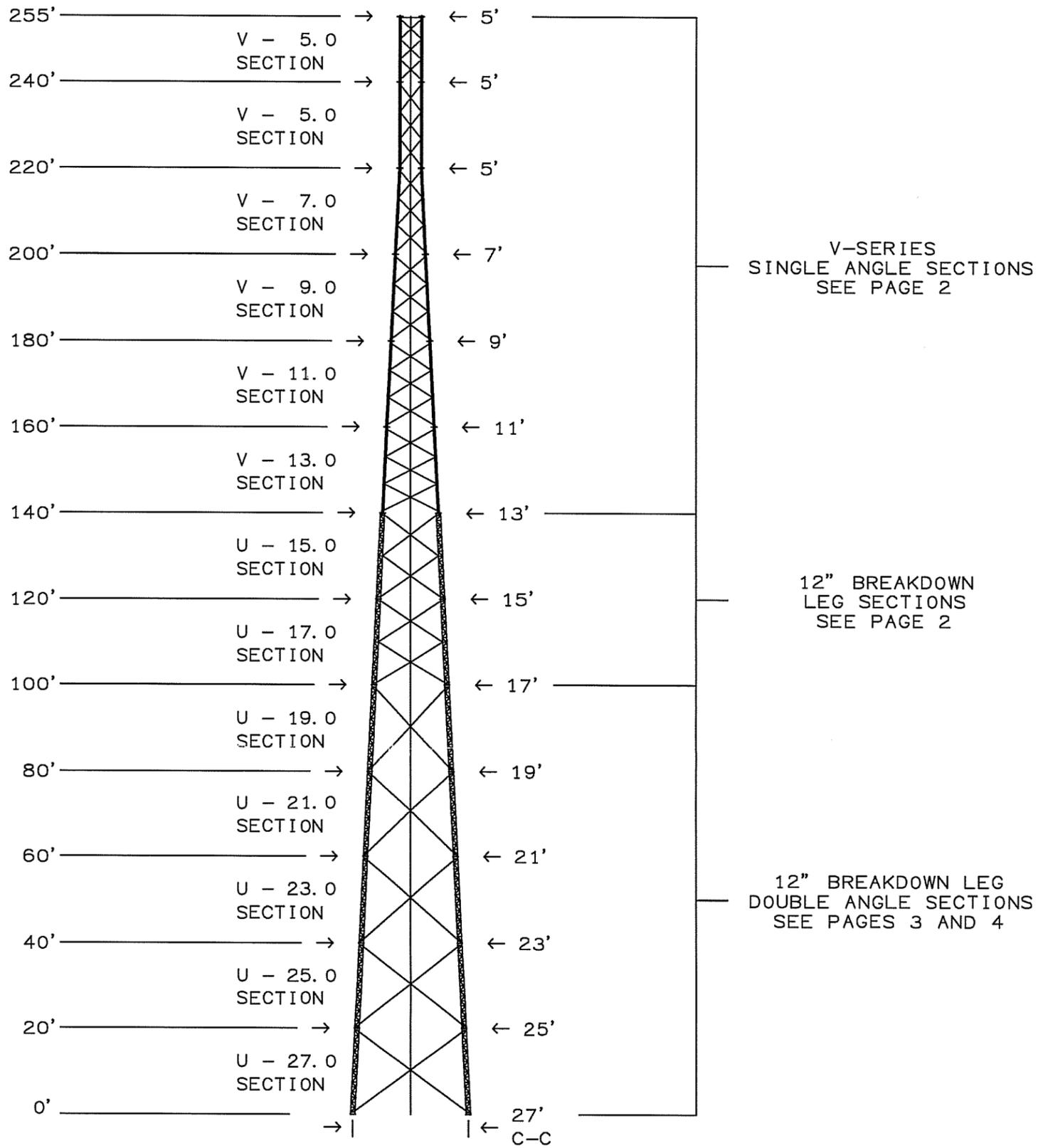
We trust the above and the attached will be helpful to you. If you should need anything else, please let us know at your convenience.

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



JAN 13 2014

Nitesh Ahuja, KY Professional Engineer #28866

WESTOWER COMMUNICATIONS
STAFFORDSVILLE AL6166, KY
V- 27.0 X 255'

APPROVED/ENG.	M_S 1/13/2014
APPROVED/FOUND.	N/A
COPYRIGHT 2014	
DRAWN BY	SKK



DRAWING NO.
252663
PAGE

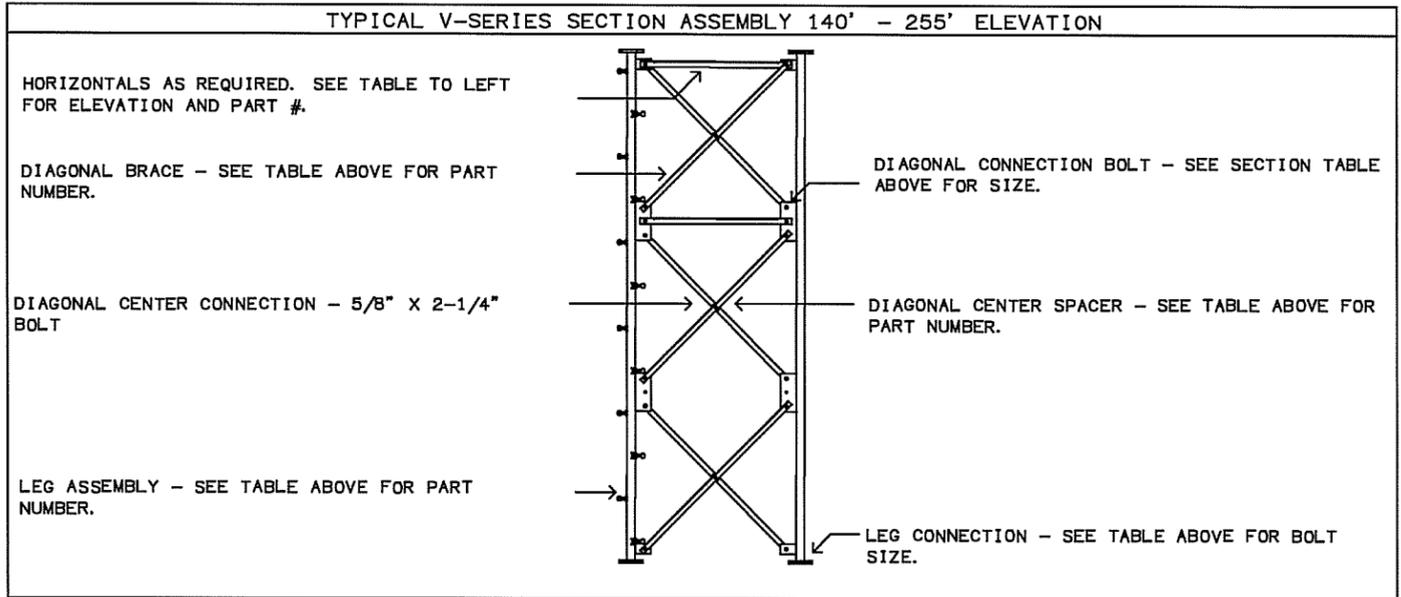
ENG. FILE NO. A-243501-
ARCHIVE F-1015873

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#	8"	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	

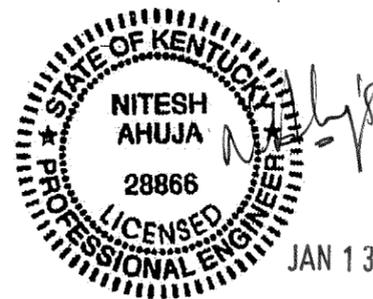
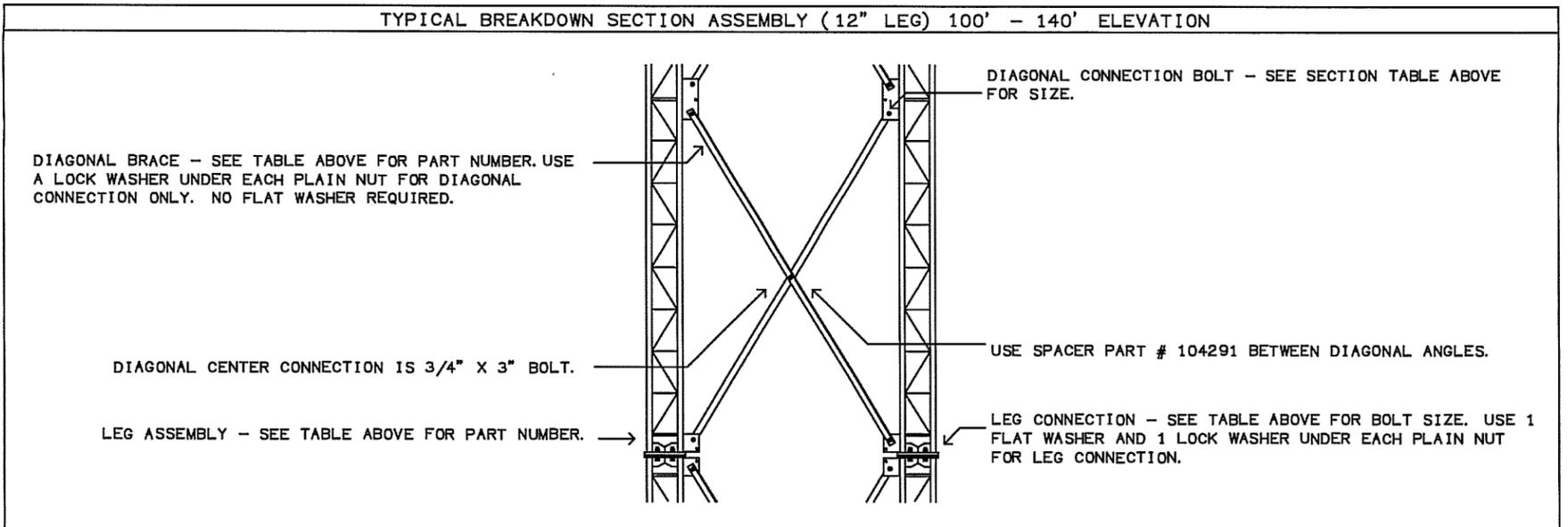
+ AT BOTTOM OF SECTION
* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.
** PANELS ARE NUMBERED BEGINNING AT THE TOP OF THE SECTION.

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

* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.
+ USE 1 FLAT WASHER UNDER EACH LOCK WASHER FOR LEG CONNECTION ONLY.



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

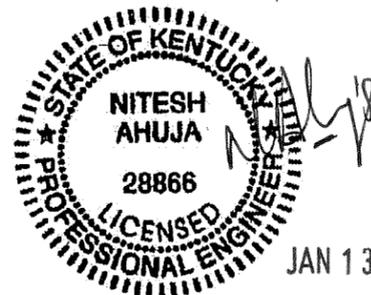
SECTION				LEG		LEG CONNECT @ BOTTOM+		
#	MODEL	LENGTH	WEIGHT*	SIZE	PART #	DIAM	LENGTH	#
5	U-19.0	20'	4069#	2 "	208332	1"	4-3/4"	12
4	U-21.0	20'	4741#	2- 1/4 "	208334	1"	4-3/4"	12
3	U-23.0	20'	4807#	2- 1/4 "	208334	1"	4-3/4"	12
2	U-25.0	20'	4876#	2- 1/4 "	208334	1"	4-3/4"	12
1	U-27.0	20'	5681#	2- 1/4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



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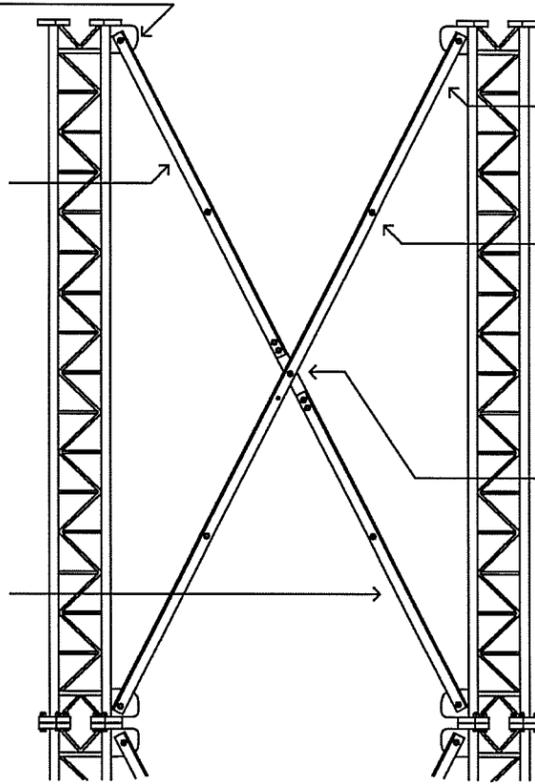
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TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG WITH DOUBLE ANGLES) 0' - 100' ELEVATION

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

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

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



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

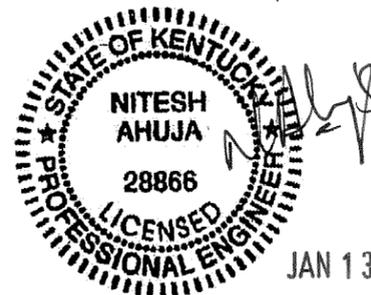
INTERMEDIATE DIAGONAL BOLTS WITH SPACER - SEE TABLE ON PG. 3 FOR SIZE, SPACER PART # AND NUMBER OF LOCATIONS PER PANEL ON EACH FACE. USE 1 SPACER PER BOLT. SEE DRAWING # 214823 FOR DETAILS.

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

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

ATTENTION ERECTOR:

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



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GENERAL NOTES

1. TOWER DESIGN CONFORMS TO STANDARD TIA-222-G UTILIZING AN 90 MPH 3-SEC GUST BASIC WIND SPEED WITH A STRUCTURE CLASS OF II, TOPOGRAPHIC CATEGORY OF 1 AND EXPOSURE C CRITERIA WITH NO ICE. TOWER DESIGN CONFORMS TO STANDARD TIA-222-G UTILIZING AN 30 MPH 3-SEC GUST BASIC WIND SPEED WITH A STRUCTURE CLASS OF II, TOPOGRAPHIC CATEGORY OF 1 AND EXPOSURE C CRITERIA WITH .75" 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 0.75" RADIAL ICE (REACTIONS INCLUDE TIA-222-G LOAD FACTORS): TOTAL WEIGHT = 218.0 KIPS. MOMENT = 1223.0 KIP-FT. MAXIMUM SHEAR = 8.0 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-1D8585C, (3) SBNH-1D8585C (ANDREW PANELS), (9) ERICSSON RRU11, (3) ANDREW E15Z01P13, (3) RAYCAP DC8-48-60-18-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.



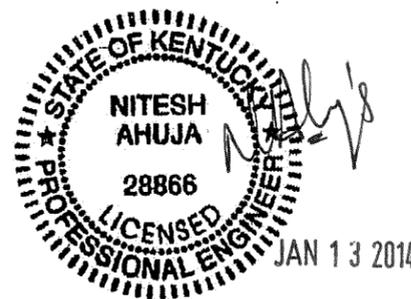
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FOUNDATION NOTES

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



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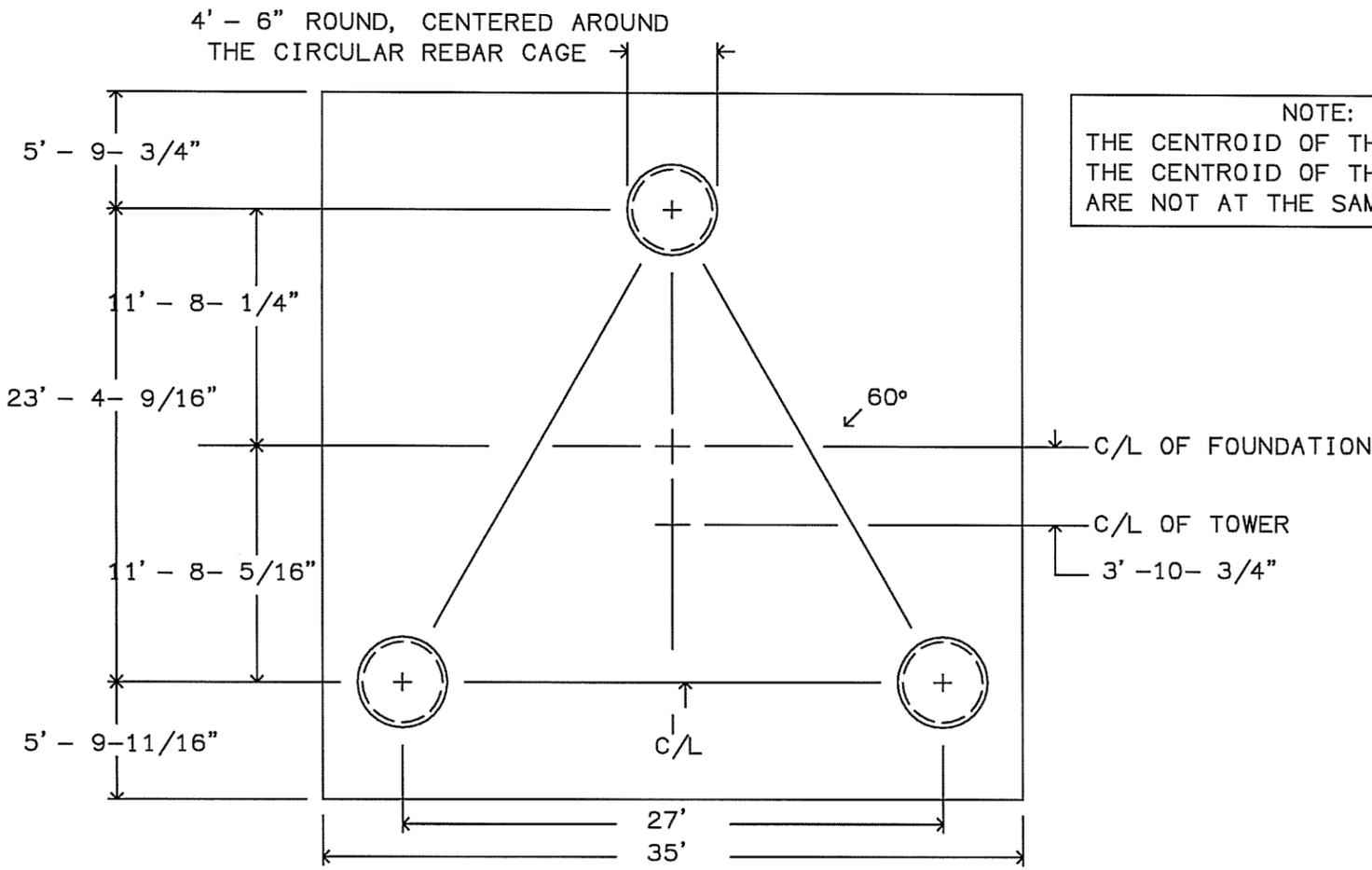
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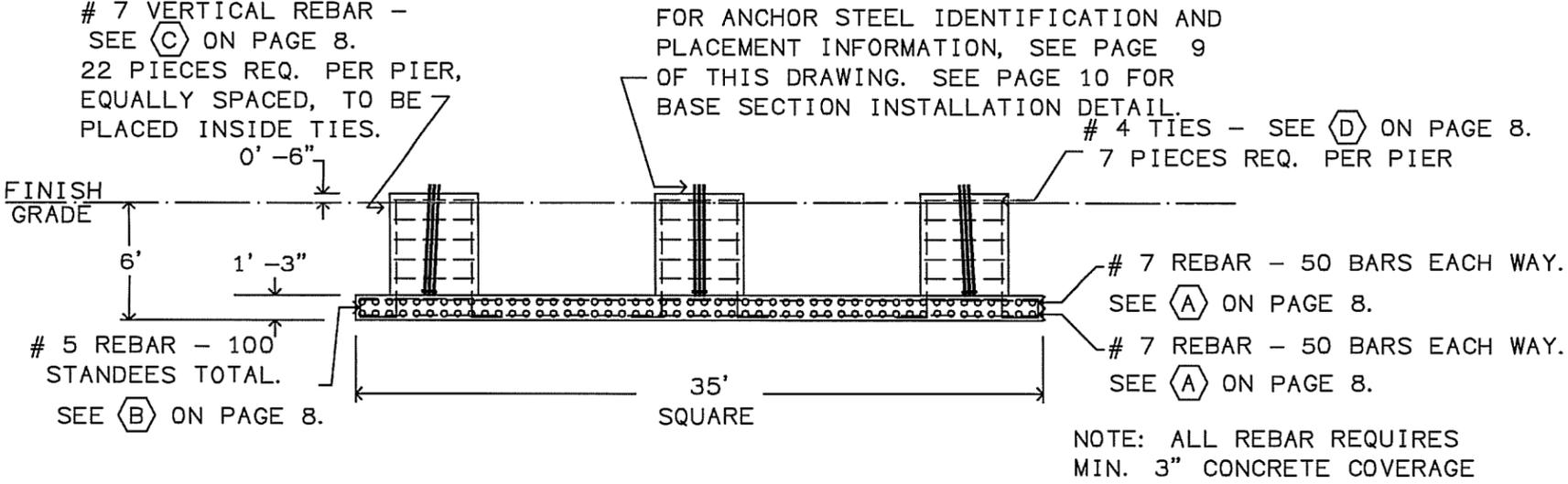
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NOTE:
THE CENTROID OF THE TOWER AND
THE CENTROID OF THE FOUNDATION
ARE NOT AT THE SAME POINT!

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

FINISH
GRADE

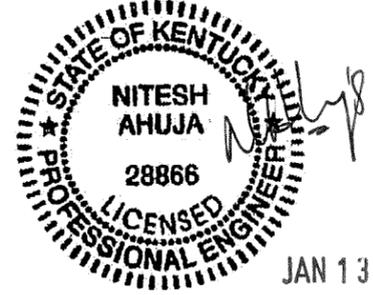
7 REBAR - 50 BARS EACH WAY.
SEE (A) ON PAGE 8.
7 REBAR - 50 BARS EACH WAY.
SEE (A) ON PAGE 8.

5 REBAR - 100
STANDEES TOTAL.
SEE (B) ON PAGE 8.

NOTE: ALL REBAR REQUIRES
MIN. 3" CONCRETE COVERAGE

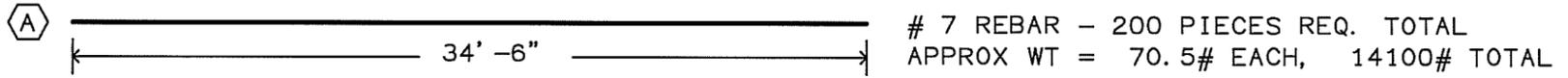
TOWER FOUNDATION

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

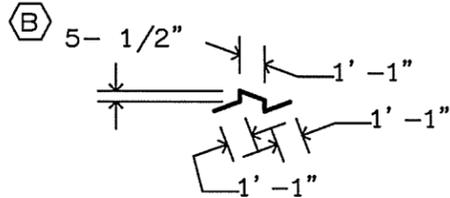


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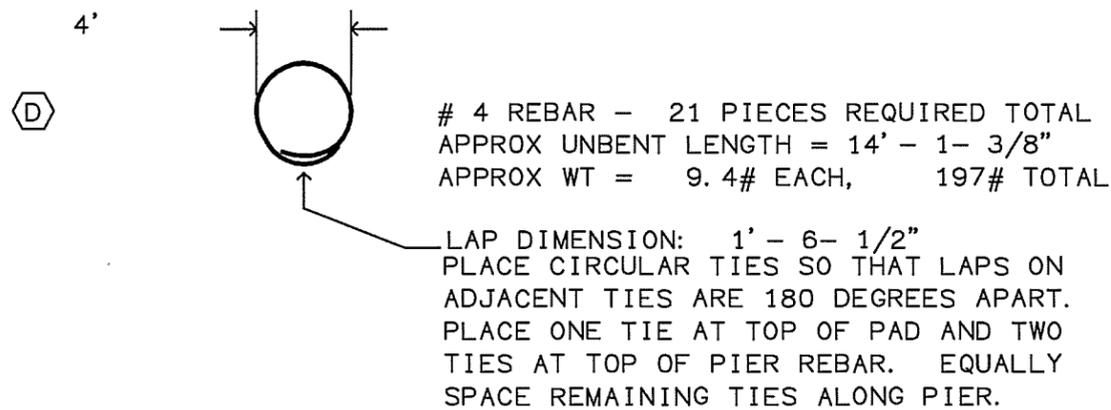
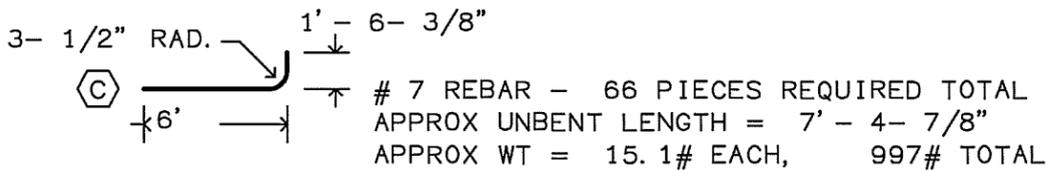
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REBAR SUPPORTS MAY CONSIST OF ANY ACCEPTABLE MEANS OF SECURELY SUPPORTING THE TOP REINFORCEMENT GRID ABOVE THE BOTTOM REINFORCEMENT GRID WHILE MAINTAINING A SEPARATION OF 0'-9" (OUTSIDE REBAR TO OUTSIDE REBAR).



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



REBAR DETAIL

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



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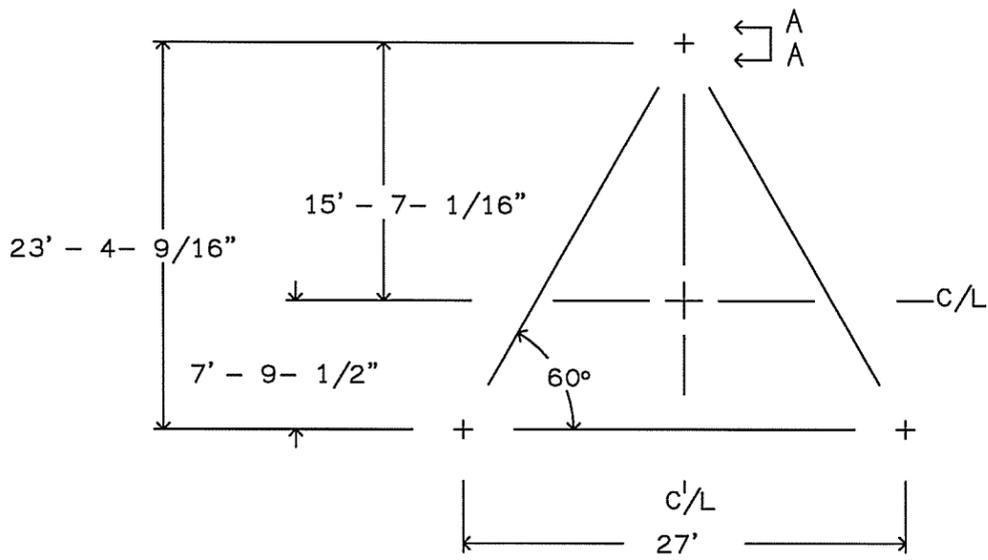


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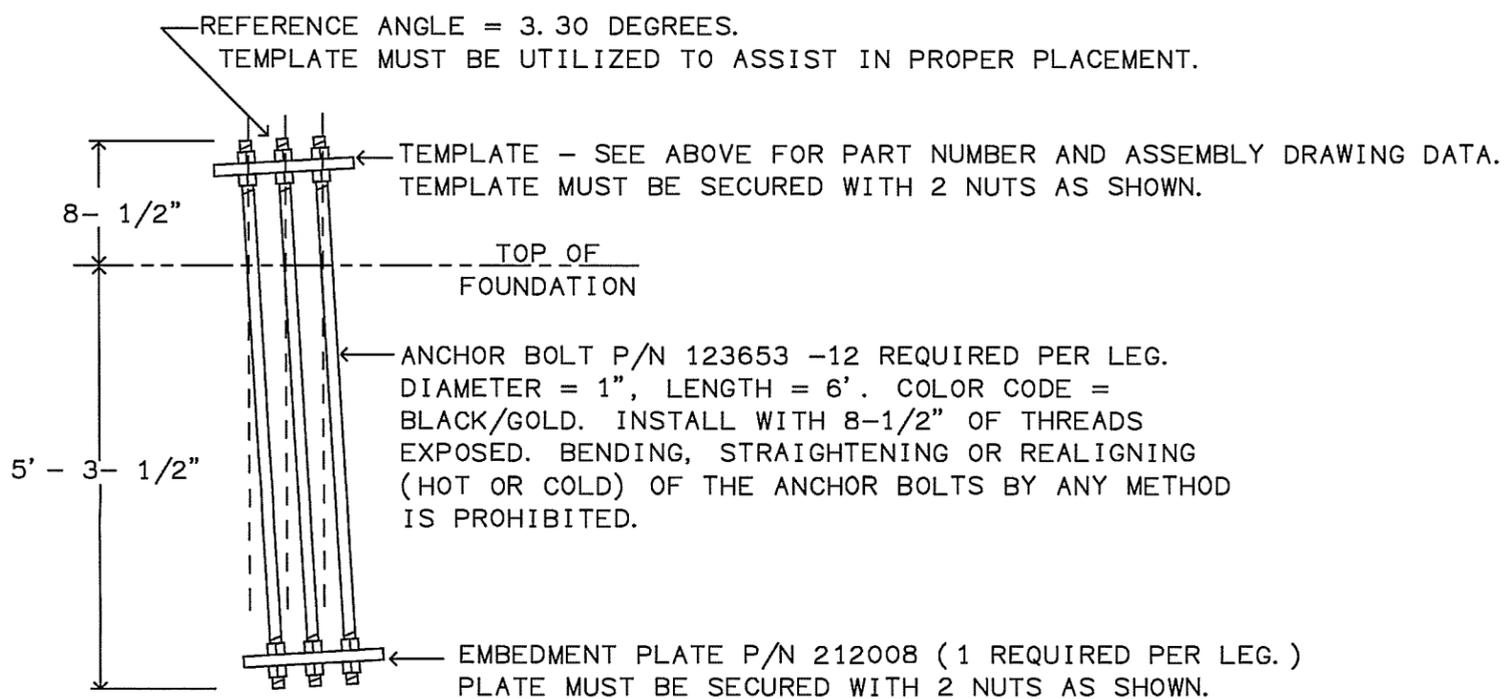
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TEMPLATE ASSEMBLY P/N 216152 INCLUDES CORNER PLATE P/N 211902, IS REQUIRED FOR INSTALLATION AND MUST BE PLACED AS SHOWN. SEE DRAWING # 211875 FOR TEMPLATE ASSEMBLY DETAILS. SEE PAGE 7 FOR TOWER C/L LOCATION RELATIVE TO THE FOUNDATION LAYOUT. TEMPLATE 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



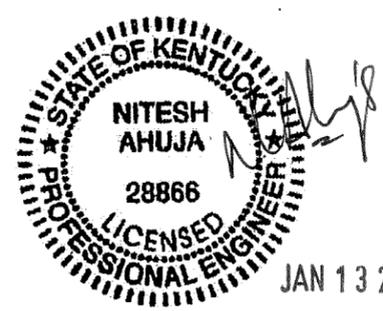
VIEW A - A - ANCHOR BOLT INSTALLATION DETAIL (NOT TO SCALE)

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!!



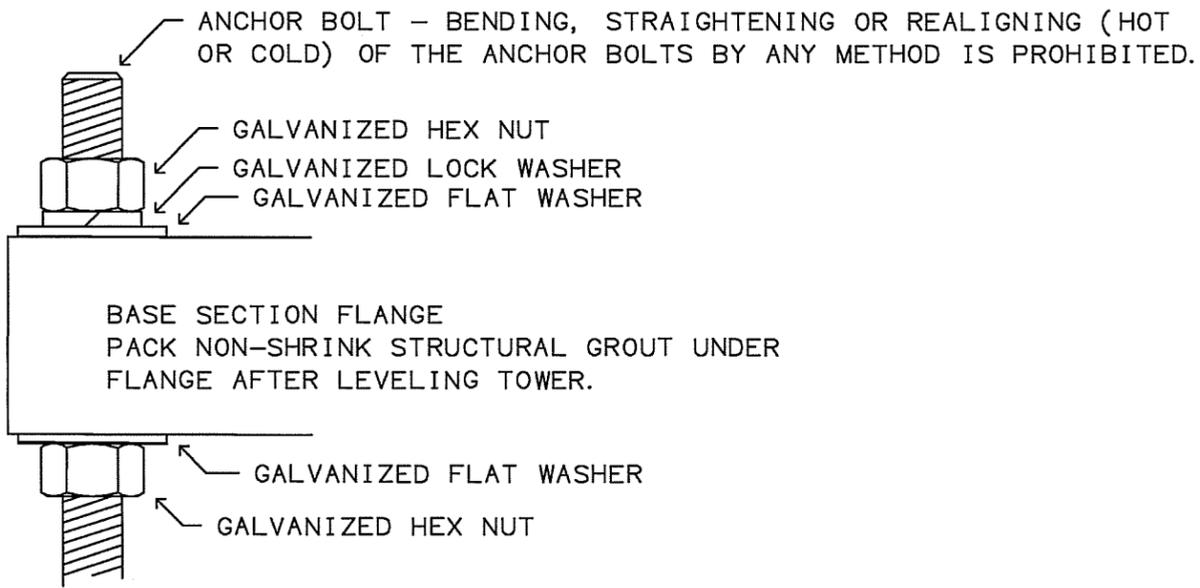
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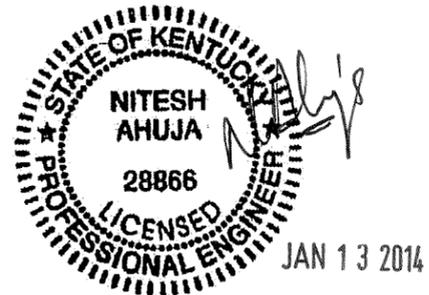
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BASE SECTION INSTALLATION DETAIL



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

License Search

Search Results**Specified Search**

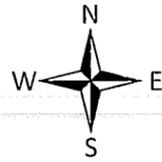
State = **Kentucky**
 County = **JOHNSON**
 Radio Service = **CL, CW**
 Status = **Active**

Matches **1- 8** (of **8**)

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

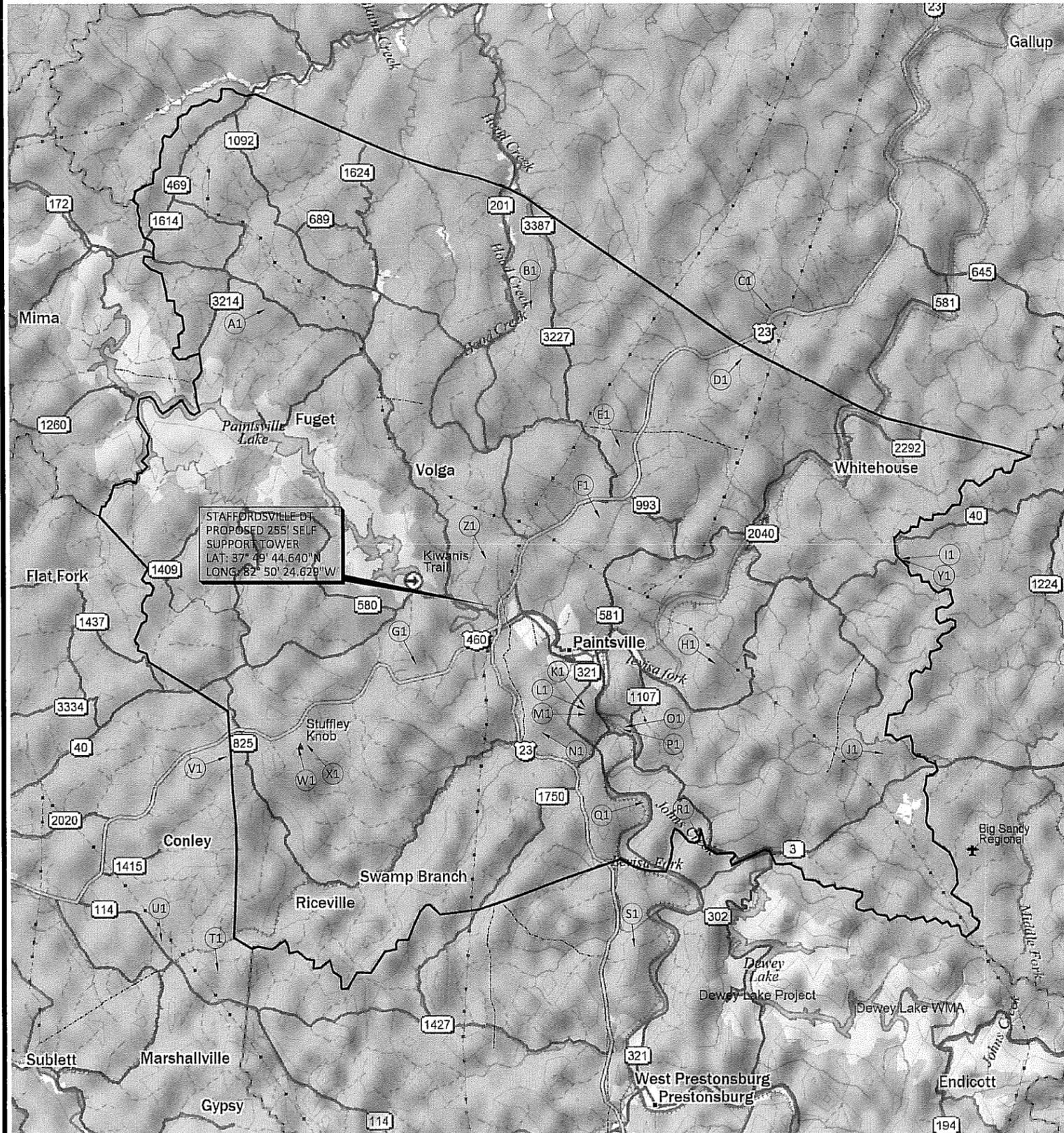
Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
1 KNKN861	NEW CINGULAR WIRELESS PCS, LLC	0003291192	CL	Active	10/01/2021
2 KNKN880	East Kentucky Network, LLC d/b/a Appalachian Wireless	0001786607	CL	Active	10/01/2021
3 KNL235	New Cingular Wireless PCS, LLC	0003291192	CW	Active	06/23/2015
4 KNL960	T-Mobile License LLC	0001565449	CW	Active	04/28/2017
5 KNLH614	SPRINTCOM, INC.	0002315950	CW	Active	04/28/2017
6 KNLH615	SPRINTCOM, INC.	0002315950	CW	Active	04/28/2017
7 WPOH986	West Virginia PCS Alliance, L.C.	0002049328	CW	Active	06/23/2015
8 WPOK570	East Kentucky Network, LLC d/b/a Appalachian Wireless	0001786607	CW	Active	09/29/2019

Call Sign/Lease ID	Name	FRN	Radio Service	Status	Expiration Date
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JOHNSON COUNTY, KENTUCKY

AT&T SITE NAME: STAFFORDSVILLE DT



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

EXISTING TOWER LEGEND

- | | |
|--|---|
| (A1) FCC REGISTRATION #: 1201236
LAT: N37° 55' 40.00"
LONG: W82° 56' 04.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (N1) FCC REGISTRATION #: 1043460
LAT: N37° 47' 15.10"
LONG: W82° 49' 08.90"
OWNER: AT&T CORP |
| (B1) FCC REGISTRATION #: 1263782
LAT: N37° 55' 39.20"
LONG: W82° 49' 23.90"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (O1) FCC REGISTRATION #: 1278401
LAT: N37° 47' 21.00"
LONG: W82° 47' 04.00"
OWNER: S. I. P. BROADCASTING COMPANY INC |
| (C1) FCC REGISTRATION #: 1043796
LAT: N37° 55' 38.10"
LONG: W82° 43' 19.60"
OWNER: NEW CINGULAR WIRELESS PCS LLC | (P1) FCC REGISTRATION #: 1042776
LAT: N37° 47' 19.00"
LONG: W82° 47' 07.00"
OWNER: B & G BROADCASTING INC
dba WKLW RADIO |
| (D1) FCC REGISTRATION #: 1061021
LAT: N37° 54' 41.00"
LONG: W82° 44' 04.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (Q1) FCC REGISTRATION #: 1232648
LAT: N37° 45' 52.00"
LONG: W82° 46' 36.00"
OWNER: PAINTSVILLE UTILITIES |
| (E1) FCC REGISTRATION #: 1276168
LAT: N37° 52' 54.60"
LONG: W82° 47' 09.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (R1) FCC REGISTRATION #: 1232706
LAT: N37° 45' 09.80"
LONG: W82° 45' 10.00"
OWNER: PAINTSVILLE UTILITIES |
| (F1) FCC REGISTRATION #: 1276597
LAT: N37° 51' 30.30"
LONG: W82° 47' 40.70"
OWNER: S. I. P. BROADCASTING COMPANY INC | (S1) FCC REGISTRATION #: 1260034
LAT: N37° 43' 00.40"
LONG: W82° 46' 49.60"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS |
| (G1) FCC REGISTRATION #: 1245196
LAT: N37° 48' 37.60"
LONG: W82° 52' 20.10"
OWNER: CC ATT LLC | (T1) FCC REGISTRATION #: 1245637
LAT: N37° 42' 32.60"
LONG: W82° 57' 19.90"
OWNER: CC ATT LLC |
| (H1) FCC REGISTRATION #: 1284188
LAT: N37° 48' 36.50"
LONG: W82° 44' 46.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (U1) FCC REGISTRATION #: 1201233
LAT: N37° 43' 08.00"
LONG: W82° 58' 44.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS |
| (I1) FCC REGISTRATION #: 1044848
LAT: N37° 50' 41.00"
LONG: W82° 40' 05.00"
OWNER: COMMONWEALTH OF KENTUCKY
dba KY EMERGENCY WARNING SYSTEM KEWS | (V1) FCC REGISTRATION #: 1246026
LAT: N37° 46' 47.30"
LONG: W82° 57' 05.70"
OWNER: CC ATT LLC |
| (J1) FCC REGISTRATION #: 1260035
LAT: N37° 46' 50.20"
LONG: W82° 40' 32.50"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (W1) FCC REGISTRATION #: 1238188
LAT: N37° 46' 58.40"
LONG: W82° 55' 18.40"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS |
| (K1) FCC REGISTRATION #: 1043450
LAT: N37° 47' 45.50"
LONG: W82° 48' 03.80"
OWNER: AMERICAN TOWERS LLC | (X1) FCC REGISTRATION #: 1065270
LAT: N37° 47' 01.00"
LONG: W82° 55' 05.00"
OWNER: HIGHLAND COMMUNICATIONS INC |
| (L1) FCC REGISTRATION #: 1201232
LAT: N37° 47' 42.00"
LONG: W82° 48' 03.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS | (Y1) FCC REGISTRATION #: 1065275
LAT: N37° 50' 41.00"
LONG: W82° 40' 06.00"
OWNER: HIGHLAND COMMUNICATIONS INC |
| (M1) FCC REGISTRATION #: 1065269
LAT: N37° 47' 36.00"
LONG: W82° 48' 02.00"
OWNER: HIGHLAND COMMUNICATIONS INC | (Z1) FCC REGISTRATION #: 1244186
LAT: N37° 50' 42.00"
LONG: W82° 50' 32.00"
OWNER: EAST KENTUCKY NETWORK LLC
dba APPALACHIAN WIRELESS |



COUNTY TOWER MAP

REV.	DATE	DESCRIPTION
1	03.04.14	UPDATE

SITE INFORMATION:
STAFFORDSVILLE DT
FAIRCHILD HILL ROAD
STAFFORDSVILLE, KY 41526
COUNTY: JOHNSON

SITE NUMBER:
POD NUMBER: 13-1449
DRAWN BY: DAP
CHECKED BY: MEP
DATE: 12.12.13

SHEET TITLE:
TOWER GRID MAP

SHEET NUMBER:
C-1

EXHIBIT E
CO-LOCATION REPORT



April 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: Fairchild Hill Road, Staffordsville, KY
Site Name: Staffordsville DT

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 Staffordsville area, within Johnson 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 near Staffordsville, Kentucky, with major ground elevation changes within the search ring. This variation of over 300' 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 north 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 Johnson 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 two (2) separate candidate properties met the property location, site access and ground elevation requirements to make the site workable.

The location at the top of Fairchild's Hill, on the west side of US 23 allowed access to the site across improved access roads within a platted subdivision, which has largely gone undeveloped. No trees of any size would need to be removed in the development of this location. Utilities are already in place through existing overhead lines. AT&T's property owner holds multiple properties within the subdivision which allowed AT&T to place the tower away from any existing structures. Upon their full review, AT&T chose this location for the new tower site.

A second location within a fairly large property was located just across US 23 on the east side of the highway. Although we spent a significant amount of time looking for possible locations within the subject property, the owner was only willing to lease locations within the slope of an existing hillside where construction was simply not possible. Utilities were not available at the proposed site location, and the existing access road would need to have been extended to reach the proposed site. Although promising in our initial discussions, we were forced to rule out this property after being unable to place the site in a constructible location.

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, only one of the two potential locations met the requirements for the ring design and was willing to commit to leasing space for the tower site.

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.

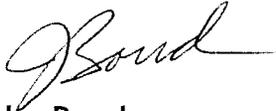
Step 8: Application. Once a lease is obtained and all site due diligence is completed, AT&T Mobility prepared and filed the accompanying uniform application to construct, maintain and operate a communications facility.

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 the site area. There is no more suitable location within the

search area reasonably available from which adequate service to the area can be provided.

Sincerely,



John Boud

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





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-8014-OE

Issued Date: 11/14/2013

John Monday (Judd Yarbrough)
 AT&T Mobility
 2200 Greenville Ave.
 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 Staffordsville DT
 Location: Staffordsville, KY
 Latitude: 37-49-44.64N NAD 83
 Longitude: 82-50-24.63W
 Heights: 774 feet site elevation (SE)
 265 feet above ground level (AGL)
 1039 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 05/14/2015 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-8014-OE.

Signature Control No: 197609936-201773852

(DNE)

Carole Bernacchi
Technician

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2013-ASO-8014-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

Staffordsville



KENTUCKY TRANSPORTATION CABINET

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

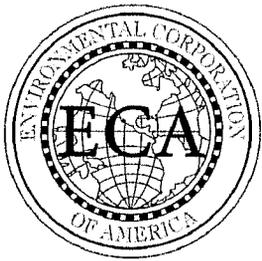
KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) AT&T		PHONE 502-779-5951	FAX	KY AERONAUTICAL STUDY # AS-058-K22-2013-148	
ADDRESS (street) 601 W. Chestnut		CITY Louisville		STATE KY	ZIP 40203
APPLICANT'S REPRESENTATIVE (name) Kit Nickel		PHONE 614-582-8825	FAX 614-583-9148		
ADDRESS (street) 3173 Deanpark Drive		CITY Hilliard		STATE OH	ZIP 43026
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start 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°49'44.640"		LONGITUDE 82°50'24.629"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Staffordsville County Johnson		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT			
SITE ELEVATION (AMSL, feet) 773.7		TOTAL STRUCTURE HEIGHT (AGL, feet) 265'		CURRENT (FAA aeronautical study #)	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1038.7				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 800' Southeast of Staffordsville, Kentucky					
DESCRIPTION OF PROPOSAL AT&T is proposing to construct a 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-058-K22-2013-148 to a total height of 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 <i>Kit Nickel</i>		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					



**EXHIBIT H
GEOTECHNICAL REPORT**



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

Geotechnical Investigation

AT&T Site (Staffordsville DT)

**Off Fairchild Hill Road
Staffordsville, Kentucky
Johnson County**

ECA Project No. P1383



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 STAFFORDSVILLE
Off Fairchild Hill Road
Staffordsville, Johnson County, Kentucky
ECA Project No. P1383

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:

- One soil test boring was drilled to a depth of 17.5 ft below the ground surface (bgs). Figure 1 shows the boring location. 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 boring 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 a survey of the Property by Power of Design dated September 16, 2013. The Property is located on a partially wooded residential hillside east of Fairchild Hill 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 25, 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 one boring drilled approximately as shown on Figure 1.

The boring encountered sandy silt overlying apparent bedrock at approximately 17.5 feet. The soil classified as ML soil type based on the Unified Soil Classification System (USCS). The N-values are shown on the attached boring log and ranged from 24 to over 100 blows per foot (bpf). Auger refusal was encountered at 17.5 feet.

Groundwater was not present in the boring 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 pad and pier foundation design, the soils are capable of a maximum, net allowable design bearing pressure of 5.0 ksf with the base bearing at or below 4-feet from existing grade. Total

and differential settlement should be less than 1-inch and ½-inch, respectively. Soil parameters that may be of use in design are as follows:

Cohesion	2000 psf
Angle of internal friction	0°
Unit weight of soil	115 pcf

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.

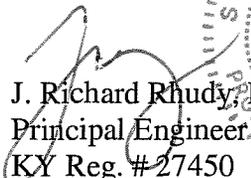
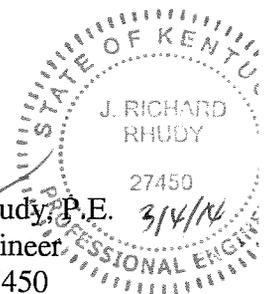
Regardless of the thoroughness of a geotechnical investigation, there is always a possibility that conditions between borings will be different from those at specific boring locations and that conditions will not be as anticipated by the designers or contractors. In addition, the construction process 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.

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

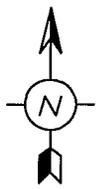

Kelby Williams, EIT
Project Engineer


J. Richard Rhudy, P.E.
Principal Engineer
KY Reg. # 27450


Appendix A Boring Location Plan
Appendix B Boring Log

APPENDIX A

Boring Location Plan



FAIRCHILD HILL ROAD

WOODED

EXISTING PAVEMENT

PAVEMENT ENDS

WOODED

RESIDENCE

SHED

GRAVEL DRIVE

PROPOSED ~143' x 30' ACCESS/UTILITY EASEMENT

CEMETERY

B-1

WOODED

PROPOSED ~100' x 100' COMPOUND

WOODED

NOT TO SCALE

LEGEND

	PROPOSED PROJECT AREA
	PROPERTY LINE
	UTILITY LINE
	EXISTING FENCELINE
	BORING LOCATION

AT&T Site KYALU6166 (Staffordsville)
 Off Fairchild Hill Road
 Staffordsville, Johnson 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:\%P137\83.dwg

ECA Project # P1383

APPENDIX B

Boring Log

Project: AT&T Site (Staffordsville DT)

Log of Boring: B-1

City, State Staffordsville, Kentucky

Client: Westower

Drill Date: February 25, 2014

ECA Job No: P1383

Field Rep: Tyler

Elevation (ft)	Depth	SUBSURFACE PROFILE		SAMPLE		Water depth
		Symbol	Description	Blow Counts (per ft)	SPT Values (blows/ft) 10 20 30 40	
0	0		Ground Surface			
-3	3		Very stiff to hard tan slightly sandy SILT (ML)	24	24	
	5		<i>Partially Weathered Rock</i> Gray to tan sandy SILT (ML) (Gravel at 15 ft)	100+		
	7			100+		
	10			100+		
	15			100+		
-17.5	17.5		Boring Terminated			Auger refusal at 17.5 ft
	20					
	25					
	30					
	35					
	40					

Drilled By: Tri-State Drilling

Depth to Water: N/A

Borehole Size: 2.25" ID

Total Depth: 17.5 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 offices of the Johnson County Judge Executive, located, at 230 Court Street, Paintsville, KY, head north on Court Street towards 3rd Street.
2. Turn left onto 3rd Street and travel for approximately 0.2 miles.
3. Turn right onto West Street and travel approximately 105 feet.
4. West Street turns slightly left and becomes 3rd Street/U.S. 23 Bus. Continues on U.S. 23 Bus for approximately 1.5 miles.
5. Make a slight left onto KY-40 West and continue for approximately 0.6 miles.
6. Turn right to stay on KY-40 West and continue for approximately 0.5 miles.
7. Make a slight right onto Little Mudlick Road and continues for 0.1 miles.
8. Turn right toward Fairchild Hill and continue for 466 feet. The site is on the left.
9. site coordinates are
 - a. 37 deg 49 min 44.631 sec N
 - b. 82 deg 50 min 24.326 sec W



Prepared by:

Aaron L. Roof

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 Services, LLC

13714 Smokey Ridge Overlook

Carmel, IN 40633

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 # KYALU6166; Cell Site Name: Staffordsville DT

Fixed Asset # 12568749

State: Kentucky

County: Johnson

**MEMORANDUM
OF
LEASE**

This Memorandum of Lease is entered into on this 1st day of October, 20 13, by and between James T. Franklin and Janie Hill Franklin, husband and wife, having a mailing address of PO Box 210, Staffordsville, KY 41256 (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, 20 13, 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"

James T. Franklin

By: James T. Franklin

Print Name: James T. Franklin

Its: Owner

Date: 09/10/2013

Janie Hill Franklin

By: Janie Hill Franklin

Print Name: Janie Hill Franklin

Its: Owner

Date: 09/10/2013

"TENANT"

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

By: AT&T Mobility Corporation

Its: Manager

By: Terry R. Kilgore

Print Name: Terry R. Kilgore

Its: Area Manager, C&E

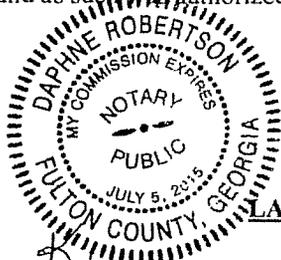
Date: 10/1/13

[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF Georgia)
) ss:
COUNTY OF FULTON)

On the 25th 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 Ty)
) ss:
COUNTY OF Johnson)

On the 10th day of Sept, 2013 before me, personally appeared James T. Franklin and Janie Hill Franklin, 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 Landlord for the purposes therein contained.



Sallee Holbrook
Notary Public: _____
My Commission Expires: 8/18/15

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 3

to the Option and Lease Agreement dated October 1, 2013 by and between James T. Franklin and Janie Hill Franklin, 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:

The following tracts or parcels of land are located in the Eastern Division of Staffordsville, Kentucky and for further reference see Plat filed in Miscellaneous Instrument Book 4, page 509, records of the Johnson County Clerk's Office.

LOTS 6 and 7

BEING the same property recorded in Deed Book 113, page 9, records of the Johnson County Clerk's Office to which reference is hereby made for a more complete description.

LOT 9

BEING the same property recorded in Deed Book 100, page 394, records of the Johnson County Clerk's Office to which reference is hereby made for a more complete description.

LOTS 10 through 13

BEING the same property recorded in Deed Book 100, page 208, records of the Johnson County Clerk's office to which reference is hereby made for a more complete description.

LOTS 14 through 19

BEING the same property recorded in Deed Book 114, page 258, records of the Johnson County Clerk's office to which reference is hereby made for a more complete description.

LOT 26

BEING the same property recorded in Deed Book 128, page 258, records of the Johnson County Clerk's

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 2 of 3

to the Option and Lease Agreement dated October 1, 2013, by and between James T. Franklin and Janie Hill Franklin, husband and wife, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

Office to which reference is hereby made for a more complete description.

LOTS 51 & 52

BEING the same property recorded in Deed Book 125, page 264, records of the Johnson County Clerk's office to which reference is hereby made for a more complete description.

LOTS 61 & 62

BEING the same property recorded in Deed Book 121, page 586, records of the Johnson County Clerk's office to which reference is hereby made for a more complete description.

LOTS 63 & 64

BEING the same property recorded in Deed Book 121, page 584, records of the Johnson County Clerk's office to which reference is hereby made for a more complete description.

LOTS 65 & 66

BEING the same property recorded in Deed Book 121, page 582, records of the Johnson County Clerk's Office to which reference is hereby made for a more complete description.

LOTS 67 through 70

BEING the same property recorded in Deed Book 124, page 636, records of the Johnson County Clerk's office to which reference is hereby made for a more complete description.

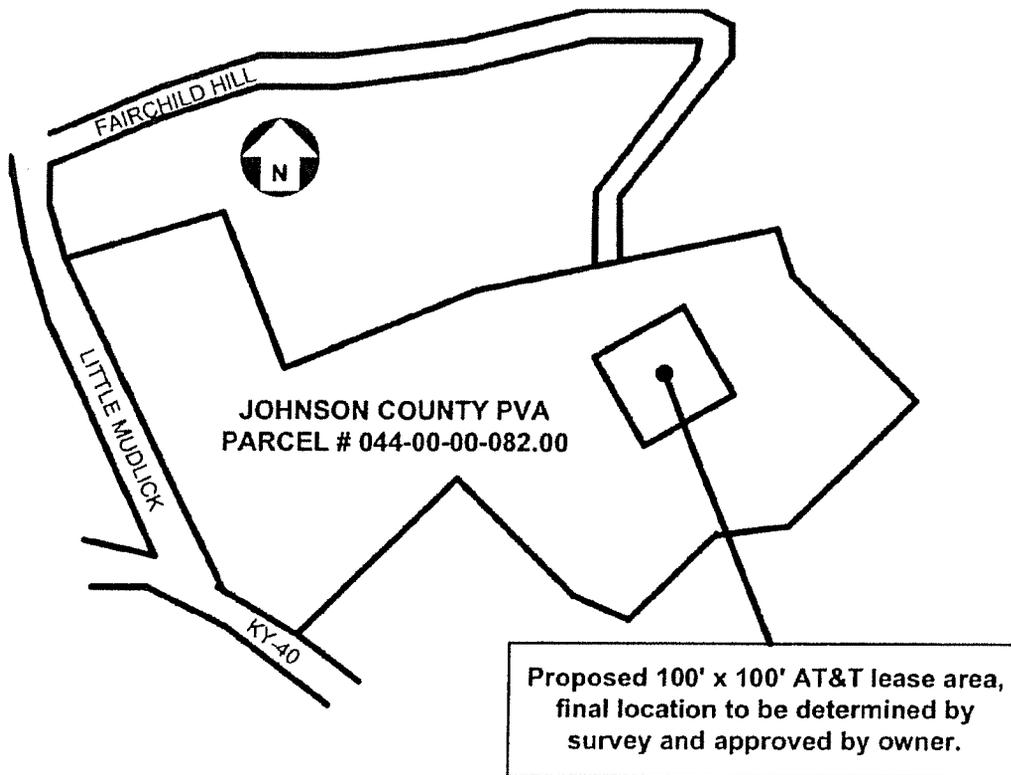
EXHIBIT 1

DESCRIPTION OF PREMISES

Page 3 of 3

to the Option and Lease Agreement dated October 1, 2013 by and between James T. Franklin and Janie Hill Franklin, 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.

*Receipt Print Date:01/15/2014
*Receipt Print Time:01:30 PM

SALLEE G WILBROOK-JOHNSON CO CLERK
238 COURT STREET
PAINTSVILLE, NY 11248

RCPTH 2658 REG# 13
CLERK JENNIFER

DATE: 01/15/2014

TIME: 01:30 PM

1 x LEASE \$26.00
6 PAGES
FRANKLIN JAMES T.
DOCUMENT # 452398

CX: 1115 PG: 166 - 171

CHECK	TOTAL PAYMENT OF CHANGE DUE	\$26.00 \$26.00 \$0.00
-------	-----------------------------------	------------------------------

OFFICE HOURS:
MON-FRI 8:00 - 4:30PM
SAT 9:00-12:00 THANK YOU

CHECK #	AMOUNT
6917	\$26.00



**EXHIBIT K
NOTIFICATION LISTING**

Staffordsville DT Landowner Notice Listing

James Franklin
PO Box 210
Staffordsville, KY 41256

Barbara Ward
PO Box 407
Staffordsville, KY 41256

Loretta Fairchild
PO Box 274
Staffordsville, KY 41256

John Cantrell Jr.
PO Box 59
Staffordsville, KY 41256

John Cantrell Jr., et al
PO Box 59
Staffordsville, KY 41256

Douglas Dixon
PO Box 1000
Paintsville, KY 41240

Commonwealth of Kentucky
Department of Transportation
State Office Building
Frankfort, KY 40622

Marilyn Davis Deeulis
1726 Price Lane
Huntington, WV 25705

Karen S. Bevins
c/o Bobby Bevins
PO Box 513
Meally, KY 41234

Blevins Arizona Est.
c/o Emma Dutton
275 Boat Gunnel
Mealy, KY 41234

Benny & Sandra King
PO Box 274
Staffordsville, KY 41256

Terry Peterson
2501 Brown Street
Anderson, IN 46016

Ruby Yates
51 Annies Lane
Hager Hill, KY 41222

James T. Franklin
PO Box 210
Staffordsville, KY 41256

Arch Investments LLC
212 Betsy Clark Branch
Martin, KY 41649

Mulberry Street Partners LLC
95 North County Rd.
Palm Beach, FL 33480

Pelphrey Investments LLC
PO Box 1250
Paintsville, KY 41240

Secretary of Veterans Affairs
321 W. Main Suite 390
Louisville, KY 40202

Loretta Fairchild & Sandra King
PO Box 274
Staffordsville, KY 41256

Jerry Fairchild
PO Box 251
Staffordsville, KY 41256

Timothy Fairchild
PO Box 42
Staffordsville, KY 41256

Don Jackson
General Delivery
Staffordsville, KY 41256

David J. Blevins Sr.
PO Box 722
Staffordsville, KY 41256

Corvin & Martha Kimbleton
PO Box 113
Staffordsville, KY 41256

James Tolliver
PO Box 231
Staffordsville, KY 41256

Teresa Conley & Anita King & Dorsey L. Lemaster
PO Box 201
Staffordsville, KY 41256

Danny & Barbara Davis
4247 Kentucky Route 580
Oil Springs, KY 41238

Marcus Burl Cantrell
P.O. Box 312
Staffordsville, KY 41256



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: Staffordsville DT**

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 on Fairchild Hill Road, Staffordsville, Kentucky 41256 (37°49'44.631" North latitude, 82°50'24.326" 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 Johnson 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 2014-00087 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 offices of the Johnson County Judge Executive, located, at 230 Court Street, Paintsville, KY, head north on Court Street towards 3rd Street.
2. Turn left onto 3rd Street and travel for approximately 0.2 miles.
3. Turn right onto West Street and travel approximately 105 feet.
4. West Street turns slightly left and becomes 3rd Street/U.S. 23 Bus. Continues on U.S. 23 Bus for approximately 1.5 miles.
5. Make a slight left onto KY-40 West and continue for approximately 0.6 miles.
6. Turn right to stay on KY-40 West and continue for approximately 0.5 miles.
7. Make a slight right onto Little Mudlick Road and continues for 0.1 miles.
8. Turn right toward Fairchild Hill and continue for 466 feet. The site is on the left.
9. site coordinates are
 - a. 37 deg 49 min 44.631 sec N
 - b. 82 deg 50 min 24.326 sec W



Prepared by:
Aaron L. Roof
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 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. Roger T. Daniel
Johnson County Judge/Executive
230 Court Street
P.O. Box 868
Paintsville, KY 41240

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2014-00087
Site Name: Staffordsville DT

Dear Judge Daniel:

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 on Fairchild Hill Road, Staffordsville, Kentucky 41256 (37°49'44.631" North latitude, 82°50'24.326" 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 2014-00087 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

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Prepared by:
Aaron L. Roof
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 N
COPY OF POSTED NOTICES

SITE NAME: STAFFORDSVILLE DT
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 Case No. 2014-00087 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 Case No. 2014-00087 in your correspondence.

VIA TELEFAX: 606-789-9717

The Paintsville Herald
Attn: Paula Halm
978 Broadway
P.O. Box 1547
Paintsville, KY 41240

RE: Legal Notice Advertisement
Site Name: Staffordsville DT

Dear Paula Halm:

Please publish the following legal notice advertisement in the next edition of *The Paintsville Herald*:

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 on Fairchild Hill Road, Staffordsville, KY 41256 (37°49'44.631" North latitude, 82°50'24.326" 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 2014-00087 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,

Aaron L. Roof
Pike Legal Group, PLLC



EXHIBIT O
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

Search Ring
Staffordville DT



0 0.3896



miles

Scale: 1:12,770

bing™

Image courtesy of USGS © 2013 Microsoft Corporation