COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF	)	
CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS	)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC	)	CASE NO.: 2013-00351
CONVENIENCE AND NECESSITY TO CONSTRUCT	)	
A WIRELESS COMMUNICATIONS FACILITY	)	
IN THE COMMONWEALTH OF KENTUCKY	)	
IN THE COUNTY OF CRITTENDEN	)	

SITE NAME: DYCUSBURG

* * * * * * *

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

Cellco Partnership, d/b/a Verizon Wireless ("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: Cellco Partnership d/b/a Verizon Wireless, having a local address of 2441 Holloway Road, Louisville, Kentucky

40299.

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. Applicant entity is a Delaware general partnership, and a copy of an Amended Certificate of Assumed Name on file with the Kentucky Secretary of State for Applicant is attached as part of **Exhibit A**.

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

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

coverage to the service area.

6. To address the above-described service needs, Applicant proposes to construct a WCF at 806 State Road 902 West, Fredonia, KY 42411 (37°09'40.807" North latitude, 88°09'52.532" 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 Dan and Nancy Weaver pursuant to a Deed recorded at Deed Book 130, Page 640 in the office of the Crittenden County Clerk. The proposed WCF will consist of a 290-foot tall tower, with an approximately 9-foot tall lightning arrestor attached at the top, for a total height of 299-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 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 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. Applicant's Construction Manager for the proposed facility is David M. Fries (Integrity Management), 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 2 weeks after filing of the Application, and a copy of the posted text is attached as

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

23. The general area where the proposed facility is to be located is rural and sparsely populated.

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: pikelegal@aol.com

WHEREFORE, Applicant respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS §§ 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,

David A. Pike
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: pikelegal@aol.com
Attorney for Cellco Partnership
d/b/a Verizon Wireless

LIST OF EXHIBITS

A - Applicant Entity and 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

Universal Licensing System

ULS License

PCS Broadband License - WPTB358 - Cellco Partnership

HELP

New Search | Refine Search | Return to Results | Printable Page | Reference Copy | Map

License

MAIN | ADMIN | MARKET

Call Sign	WPTB358	Radio Service	CW - PCS Broadband
Status	Active	Auth Type	Regular

Market

Market	BTA339 - Paducah-Murray-Mayfield, KY	Channel Block	C
Submarket	3	Associated Frequencies (MHz)	001895.00000000-001910.00000000 001975.00000000-001990.00000000

Dates

Grant	07/28/2011	Expiration	08/22/2021
Effective	07/28/2011	Cancellation	

Buildout Deadlines

1st	08/22/2006	2nd	

Notification Dates

1st	08/18/2006	2nd	

Licensee

FRN	0003290673 (View Ownership Filing)	Type	Partnership

Licensee

Cellco Partnership
1120 Sanctuary Pkwy, #150 GASA5REG
Alpharetta, GA 30009-7630
ATTN Regulatory

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Contact

Verizon Wireless
Licensing - Manager
LicensingCompliance@VerizonWireless.com
Alpharetta, GA 30009-7630
ATTN Regulatory

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Ownership and Qualifications

Radio Service Type Fixed, Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

Is the applicant a foreign government or the representative of any foreign government?	No
Is the applicant an alien or the representative of an alien?	No
Is the applicant a corporation organized under the laws of any foreign government?	No
Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	No
Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?	**Yes**
If the answer to the above question is 'Yes', has the applicant received a ruling(s) under Section 310(b)(4) of the Communications Act with respect to the same radio service involved in this application?	

Basic Qualifications

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

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

Race

Ethnicity Gender

ULS Help ULS Glossary - FAQ - Online Help - Technical Support - Licensing Support

ULS Online Systems CORES - ULS Online Filing - License Search - Application Search - Archive License Search

About ULS Privacy Statement - About ULS - ULS Home

Basic Search By Call Sign = SEARCH

FCC | Wireless | ULS | CORES

Help | Tech Support

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Phone: 1-877-480-3201
TTY: 1-717-338-2824
Submit Help Request

EXHIBIT A
APPLICANT ENTITY AND FCC LICENSE DOCUMENTATION

0641227.07 dcornish AMD

Alison Lundergan Grimes
Kentucky Secretary of State
Received and Filed:
1/22/2013 1:43 PM
Fee Receipt: $20.00

COMMONWEALTH OF KENTUCKY
ELAINE N. WALKER, SECRETARY OF STATE

Division of Business Filings Business Filings PO Box 718 Frankfort, KY 40602 (502) 564-3490 www.sos.ky.gov	Amended Certificate of Assumed Name (Domestic or Foreign Business Entity)	AAN

Pursuant to the provisions of KRS 365, the undersigned applies to amend the certificate of assumed name and, for that purpose, submits the following statement:

1. The assumed name is Verizon Wireless.
(The name must be identical to the name on record with the Secretary of State.)

2. The certificate of assumed name was filed with the Secretary of State on: 6/21/2006.

3 The current principal office address (if any) is:

One Verizon Way	Basking Ridge	NJ	07920
Street Address or Post Office Box Numbers	City	State	Zip

4. The principal office address is hereby changed to:

Street Address or Post Office Box Numbers	City	State	Zip

5. This application will be effective upon filing, unless a delayed effective date and/or time is provided. The effective date or the delayed effective date cannot be prior to the date the application is filed. The date and/or time is _____.
(Delayed effective date and/or time)

6. The changes in the identity of the partners are as follows: See Addendum for current partners.

I declare under penalty of perjury under the laws of Kentucky that the forgoing is true and correct.
GTE Wireless Incorporated

Jane A. Schapker	Jane A. Schapker	Assistant Secretary	1/21/2012
Signature of Applicant	Printed Name	Title	Date

(04/11)

Addendum

The full name of the Partnership is Cellco Partnership, a Delaware general partnership composed of the following partners:

General Partners of Cellco Partnership	***Address***
Bell Atlantic Mobile Systems LLC	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
PCS Nucleus, L.P.	Denver Place South Tower 999-18th Street, Suite 1750 Denver, CO 80202
JV PartnerCo, LLC	Denver Place South Tower 999-18th Street, Suite 1750 Denver, CO 80202

EXHIBIT B

SITE DEVELOPMENT PLAN:

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

CELLCO PARTNERSHIP

D/B/A

verizon wireless

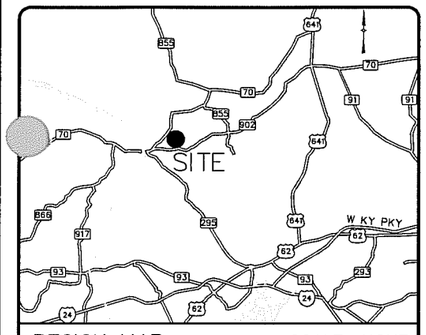
DYCUSBURG

806 SR 902 WEST
CRITTENDEN COUNTY
FREDONIA, KENTUCKY 42411

PROPOSED 290' SELF-SUPPORT TOWER
WITH MULTIPLE CARRIERS

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).



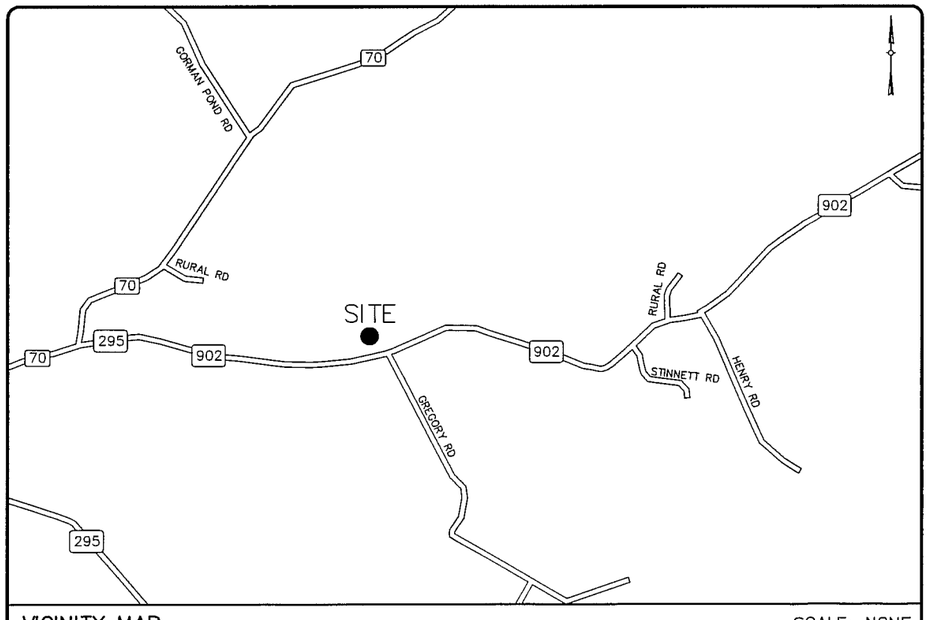
REGION MAP SCALE: NONE

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

DESIGN ENGINEER

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

SURVEYOR



VICINITY MAP SCALE: NONE

DIRECTIONS FROM COUNTY SEAT: STARTING IN MARION AT THE CORNER OF US 60 (GUM ST) AND US 641/SR 91 (MAIN ST), PROCEED SOUTH ON US 641/SR 91 (MAIN ST) APRX 9.0 MILES TO SR 902 AND TURN RIGHT. CONTINUE ON SR 902 APRX 7.50 MILES TO SITE ON RIGHT.

DIRECTIONS FROM CHANDLER, IN, VERIZON WIRELESS MTSO: STARTING AT 800 RUSSELL RD (CR 675 W) PROCEED NORTH TO GARDNER RD (CR 50 S) TURN LEFT. FOLLOW GARDNER RD (CS 50 S) TO SR 62 (MORGAN AVE) TURN LEFT. FOLLOW SR 62 (MORGAN AVE) TO I-164 SOUTH APRX 3.0 MILES TURN RIGHT. CONTINUE ON I-164 SOUTH APRX 8.7 MILES TO EXIT 8B (US 41 SOUTH) TURN RIGHT. FOLLOW US 41 SOUTH APRX 7.0 MILES TO PENNYRILE PKWY. CONTINUE ON PENNYRILE PKWY APRX 46.4 MILES TO EXIT 34 (WESTERN KY PKWY) TURN RIGHT. PROCEED ON WESTERN KY PKWY APRX 34.0 MILES TO EXIT 4 (US 62/EDDYVILLE) AND TURN RIGHT. CONTINUE ON US 62 APRX 4.0 MILES TO SR 395 (DYCUSBURG RD) AND TURN RIGHT. PROCEED ON SR 395 (DYCUSBURG RD) APRX 5.50 MILES TO SR 70 AND TURN RIGHT. CONTINUE ON SR 70 APRX .50 OF A MILE TO SR 295/902 (FREDONIA RD/FREDONIA QUARRY RD) AND TURN RIGHT. FOLLOW SR 295/902 (FREDONIA RD/FREDONIA QUARRY RD) APRX .75 OF A MILE TO SITE ON LEFT.

DIRECTIONS TO SITE

SITE NAME

DYCUSBURG

SITE ADDRESS

806 SR 902 WEST
FREDONIA, KY 42411

COORDINATES

LATITUDE: 37° 09' 40.807" N
LONGITUDE: 88° 09' 52.532" W

PROPERTY OWNER

DAN & NANCY WEAVER
806 SR 902 WEST
FREDONIA, KY 42411
CONTACT: DAN & NANCY WEAVER
PHONE: (270) 988-3080

APPLICANT

CELLCO PARTNERSHIP D/B/A
VERIZON WIRELESS
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
CONTACT: AMY HARPER
PHONE: (502) 552-0330
FAX: (502) 266-7548

TAX PARCEL NO.

038-00-295.00

SOURCE OF TITLE

DEED BOOK 130, PG 640

LEASE AREA

10,000 SF

PROJECT INFORMATION

SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
SURVEY	
C-1	500' RADIUS VICINITY MAP
C-1A	500' RADIUS OWNER'S LIST
C-2	COMMUNICATIONS SITE SURVEY
ARCHITECTURAL	
Z-3	OVERALL SITE LAYOUT
Z-4	SITE LAYOUT
Z-5	NORTH & SOUTH ELEVATIONS
Z-6	EAST & WEST ELEVATIONS

SHEET INDEX

POLICE DEPARTMENT
PHONE: (270) 965-3400 CRITTENDEN CO SHERIFF

FIRE DEPARTMENT
PHONE: (270) 704-5074 CALDWELL SPRINGS VOL FD

ELECTRIC COMPANY
KENERGY
OFFICE PHONE: (800) 844-4832 ext: 5108
CELL PHONE: (270) 704-1274
CONTACT: KEITH CONRAD

TELEPHONE COMPANY
TDS TELECOMM KY
PHONE: (270) 988-3112
CONTACT: JAMES WHITAKER

CONTACT INFORMATION

CELLCO
PARTNERSHIP
D/B/A
verizon wireless
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
PHONE (502) 552-0330
FAX (502) 266-7548

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

STATE OF KENTUCKY
5/29/13
WOODROW W
MARCUM, JR
13602
LICENSED
PROFESSIONAL ENGINEERS

SITE NAME: DYCUSBURG

SITE ADDRESS: 806 SR 902 WEST
FREDONIA, KY 42411

LATITUDE: 37° 09' 40.807" N
LONGITUDE: 88° 09' 52.532" W

LEASE AREA: 10,000 SF

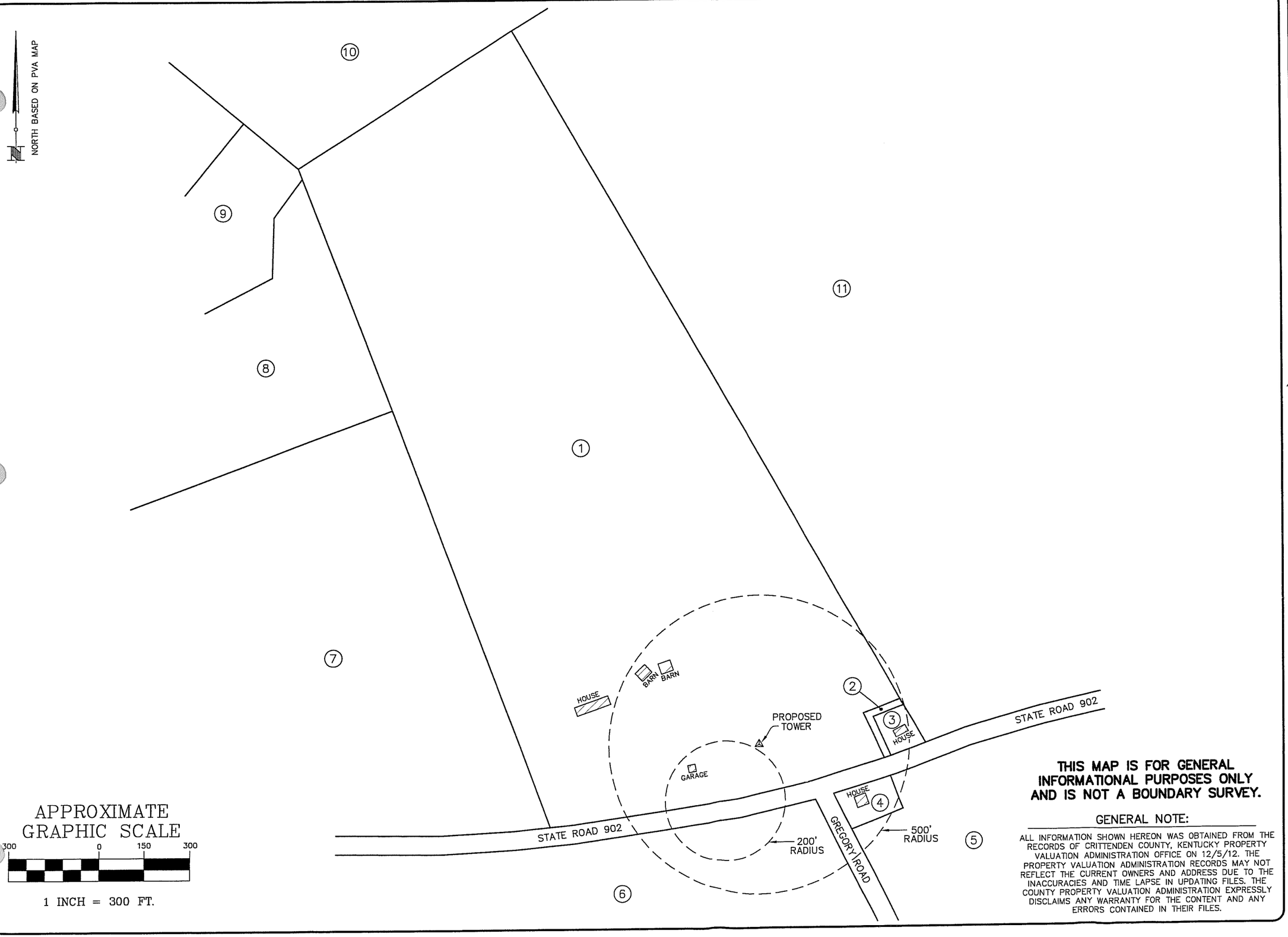
TOWER TYPE: SELF-SUPPORT

TOWER HEIGHT: 290'

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	05/21/13
2	REISSUE FOR COMMENT	07/17/13
3	ISSUE FOR ZONING	08/26/13

TITLE: TITLE SHEET

SHEET: T-1



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

GENERAL NOTE:

ALL INFORMATION SHOWN HEREON WAS OBTAINED FROM THE RECORDS OF CRITTENDEN COUNTY, KENTUCKY PROPERTY VALUATION ADMINISTRATION OFFICE ON 12/5/12. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESS DUE TO THE INACCURACIES AND TIME LAPSE IN UPDATING FILES. THE COUNTY PROPERTY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANY ERRORS CONTAINED IN THEIR FILES.

CELLCO PARTNERSHIP D/B/A verizon wireless
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
PHONE (502) 552-0330
FAX (502) 266-7548

BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DR
LOUISVILLE, KENTUCKY 40220
PHONE (502) 459-8402
FAX (502) 459-8427

STATE OF KENTUCKY
TODD CHRISTOPHER LOPP
3917
LICENSED PROFESSIONAL LAND SURVEYOR

Todd Lopp 12-17-12

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER 806 STATE ROAD 902 WEST FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
LONGITUDE: 88° 09' 52.532"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	12/17/12

TITLE: 500' RADIUS VICINITY MAP

SHEET: C-1

(1) PARCEL NUMBER: 038-00-00-024.00
DAN & NANCY WEAVER
806 SR 902
FREDONIA, KY 42411

(2) PARCEL NUMBER: 038-00-00-024.03
MARGARET P. HEIDEMAN TRUSTEE
C/O EDWARD MINIARD
875 SR 902
FREDONIA, KY 42411

(3) PARCEL NUMBER: 038-00-00-025.00
EDWARD E. MINIARD
875 SR 902
FREDONIA, KY 42411

(4) PARCEL NUMBER: 038-00-00-024.01
JOAN M. HUGHES
819 SR 902
FREDONIA, KY 42411

(5) PARCEL NUMBER: 038-00-00-24.02
EDWARD E. & ARETTA MINIARD
875 SR 902
FREDONIA, KY 42411

(6) PARCEL NUMBER: 039-00-00-042.00
GARY JUSTIN & BRODI SUTTON
1126 SR 855 SOUTH
MARION, KY 42064

(7) PARCEL NUMBER: 039-00-00-042.00
GARY JUSTIN & BRODI SUTTON
1126 SR 855 SOUTH
MARION, KY 42064

(8) PARCEL NUMBER: 038-00-00-022.01
WILLIAM & BETTY M. MCCLURE TRUST 2009
25291 SCHUCK ROAD
WASHINGTON, IL 61571

(9) PARCEL NUMBER: 038-00-00-022.02
JOSEPH P. MCGUCKIN
PO BOX 26
DYCUSBURG, KY 42037

(10) PARCEL NUMBER: 038-00-00-017.00
BOBBY S. & KAREN STINNETT
DENNIS & MARTHA STINNETT
110 CIRCLE DRIVE
MARION, KY 42064

(11) PARCEL NUMBER: 038-00-00-026.01
ANNA & JIMMY PATTON
PO BOX 177
1110 STATE ROAD 902
FREDONIA, KY 42411

GENERAL NOTE:

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CELLCO PARTNERSHIP
D/B/A
verizon wireless
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LOUISVILLE, KY 40299
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FAX (502) 266-7548

BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DR
LOUISVILLE, KENTUCKY 40220
PHONE (502) 459-8402
FAX (502) 459-8427

STATE OF KENTUCKY
TODD CHRISTOPHER LOPP
3917
LICENSED PROFESSIONAL LAND SURVEYOR

12-17-12

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST
FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER
806 STATE ROAD 902 WEST
FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
LONGITUDE: 88° 09' 52.532"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	12/17/12

TITLE: 500' RADIUS OWNER'S LIST

SHEET: C-1A

LEGAL DESCRIPTIONS

THIS IS THE DESCRIPTION FOR CELLCO PARTNERSHIP dba VERIZON WIRELESS, FOR AN AREA TO BE LEASED FROM A TRACT OF LAND CONVEYED TO DAN AND NANCY WEAVER BY DEED OF RECORD IN DEED BOOK 190, PAGE 540 IN THE OFFICE OF THE COUNTY CLERK OF CRITTENDEN COUNTY, KENTUCKY AND FURTHER DESCRIBED AS FOLLOWS:

DESCRIPTION OF PROPOSED LEASE AREA AND EASEMENT

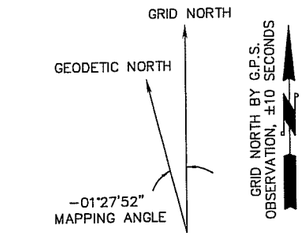
NOTE: ALL BEARINGS AND DISTANCES ARE BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD 1983.

COMMENCING AT A FOUND #4 REBAR WITH CAP STAMPED "MAY #878" AT THE NORTHWEST CORNER OF A TRACT OF LAND CONVEYED TO MARGARET P. HEIDEMAN TRUST BY DEED OF RECORD IN DEED BOOK 178, PAGE 728 IN THE OFFICE OF THE CLERK OF CRITTENDEN COUNTY, KENTUCKY; SAID POINT OF COMMENCMENT ALSO BEING N28°19'00"W, 150.01 FEET FROM THE NORTH RIGHT OF WAY LINE OF STATE ROAD 902. THENCE S67°12'09"W, 338.90 FEET TO A SET #5 REBAR WITH CAP STAMPED "TODD LOPP #3917" (HEREAFTER REFEREED TO AS SET REBAR) AT THE POINT OF BEGINNING; THENCE WITH THE PROPOSED LEASE AREA THE NEXT FOUR CALLS; S75°18'36"W, 100.00 FEET TO A SET REBAR; THENCE N14°41'24"W, 100.00 FEET TO A SET REBAR; THENCE N75°18'36"E, 100.00 FEET TO A SET REBAR; THENCE S14°41'24"E, 100.00 FEET TO THE POINT OF BEGINNING AND CONTAINING 10,000 SQUARE FEET.

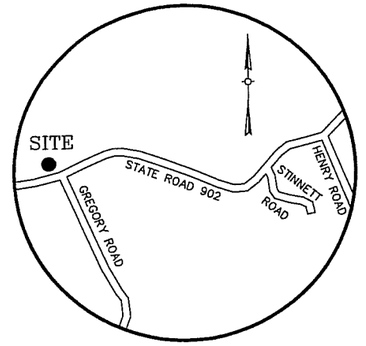
ALSO, A 30 FOOT WIDE EASEMENT FOR THE RIGHT TO USE FOR ACCESS AND UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, SAID EASEMENT BEING DESCRIBED AS FOLLOWS: COMMENCING AT A FOUND #4 REBAR WITH CAP STAMPED "MAY #878" AT THE NORTHWEST CORNER OF A TRACT OF LAND CONVEYED TO MARGARET P. HEIDEMAN TRUST BY DEED OF RECORD IN DEED BOOK 178, PAGE 728 IN THE OFFICE OF THE CLERK OF CRITTENDEN COUNTY, KENTUCKY; SAID POINT OF COMMENCMENT ALSO BEING N28°19'00"W, 150.01 FEET FROM THE NORTH RIGHT OF WAY LINE OF STATE ROAD 902. THENCE S67°12'09"W, 338.90 FEET TO THE POINT OF BEGINNING; THENCE WITH THE PROPOSED 30 FOOT WIDE ACCESS AND UTILITY EASEMENT THE NEXT TEN CALLS, S14°41'24"E, 30.00 FEET; THENCE S60°34'36"W, 127.73 FEET; THENCE S75°51'49"W, 83.88 FEET; THENCE S19°49'07"E, 41.31 FEET; THENCE S80°25'00"W, 30.49 FEET; THENCE N19°49'07"W, 69.03 FEET; THENCE N75°51'49"E, 112.98 FEET; THENCE N60°34'36"E, 28.19 FEET; THENCE N14°41'24"W, 25.28 FEET TO THE POINT OF BEGINNING AS SHOWN ON A COMMUNICATIONS SITE SURVEY BY TODD C. LOPP, PLS 3917 OF BTM ENGINEERING, INC, DATED DECEMBER, 2012, PROJECT NO. "VERIZON–DYCUSBURG".

LEGEND

- LEASE LINE
- PROPERTY LINE
- OHU — OVERHEAD UTILITIES
- X — X — FENCE LINE
- UTILITY POLE
- GUY WIRE
- TP — TELEPHONE PEDESTAL
- WM — WATER METER
- SET #5 REBAR WITH CAP STAMPED "TODD LOPP #3917" UNLESS OTHERWISE NOTED
- FOUND #4 REBAR WITH CAP STAMPED "MAY #878" UNLESS OTHERWISE NOTED
- POC — POINT OF COMMENCEMENT
- POB — POINT OF BEGINNING
- CMP — CORRUGATED METAL PIPE
- TREE



NORTH IS BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 1983) AND WAS DETERMINED BY COMPUTATION FROM G.P.S OBSERVATION ON DECEMBER 5, 2012.



LOCATION MAP
FREDONIA, CRITTENDEN CO., KY
NOT TO SCALE

EASEMENT LINE CHART		
E1	S14°41'24"E	30.00'
E2	S60°34'36"W	127.73'
E3	S75°51'49"W	83.88'
E4	S19°49'07"E	41.31'
E5	S80°25'00"W	30.49'
E6	N19°49'07"W	69.03'
E7	N75°51'49"E	112.98'
E8	N60°34'36"E	28.19'
E9	N14°41'24"W	25.28'

BENCHMARK
NORTH: 1950871.15
EAST: 937034.94
ELEVATION: 464.13 (NAVD 88)
LOCATION: #5 REBAR WITH CAP "BTM TRAVERSE"

COORDINATE POINT LOCATION
PROPOSED TOWER CENTERLINE
NAD 1983
LATITUDE: 37°09'40.807"N
LONGITUDE 88°09'52.532"W
ELEVATION: 459.16 (NAVD 88)
STATE PLANE COORDINATE
NORTHING: 1950871.41
EASTING: 936881.78

NOTE

1. THIS COMMUNICATIONS SITE SURVEY IS SUBJECT TO ALL EXISTING EASEMENTS, RESTRICTIONS, EXCEPTIONS, SERVITUDE'S, RIGHT OF WAYS AND PRIOR LEASES WHETHER SHOWN HEREON OR NOT. A TITLE REPORT MAY REVEAL EASEMENTS OR OTHER DEFECTS WHETHER SHOWN HEREON OR NOT.

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS COMMUNICATIONS SITE SURVEY WAS MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY AND IS NOT INTENDED FOR LAND TRANSFER.

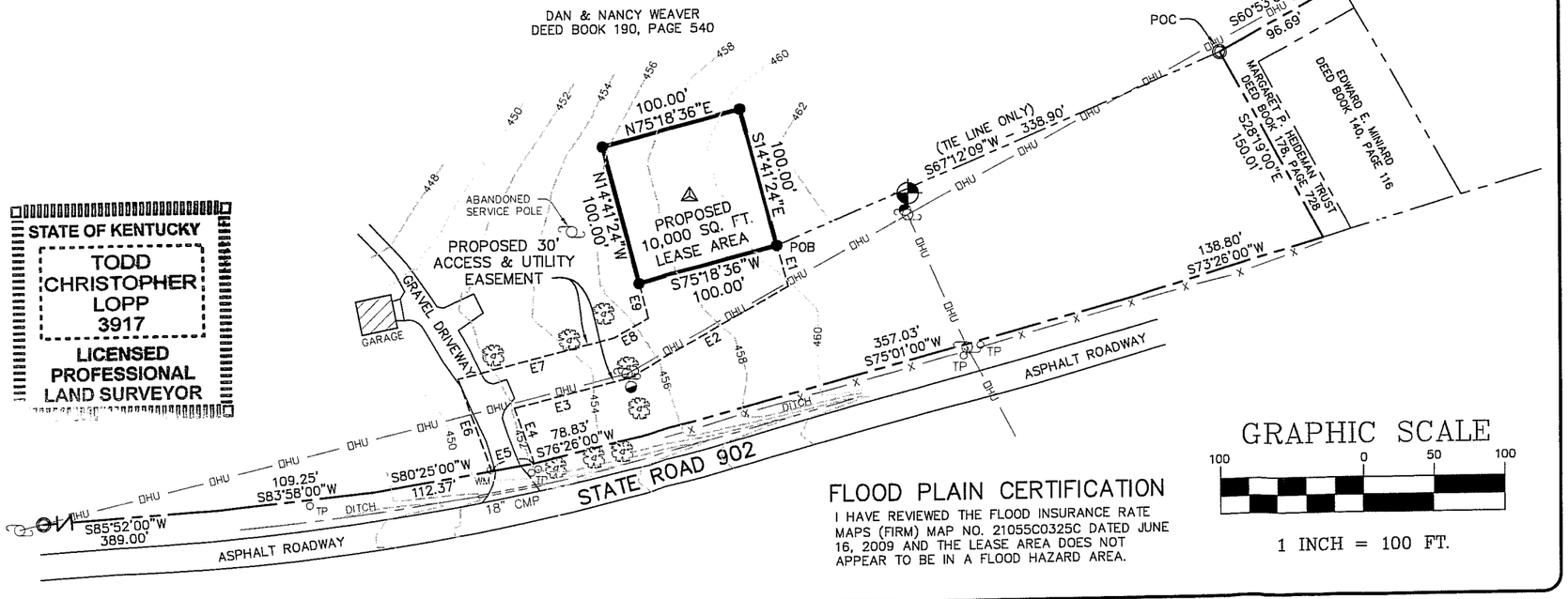
TODD C. LOPP, PLS 3917 — DATE 12-17-12

OWNER APPROVAL: — DATE

OWNER APPROVAL: — DATE

CELLCO PARTNERSHIP dba VERIZON WIRELESS APPROVAL: — DATE

STATE OF KENTUCKY
TODD CHRISTOPHER LOPP 3917
LICENSED PROFESSIONAL LAND SURVEYOR



GRAPHIC SCALE

100 0 50 100

1 INCH = 100 FT.

FLOOD PLAIN CERTIFICATION

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 21055C0325C DATED JUNE 16, 2009 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD HAZARD AREA.

CELLCO PARTNERSHIP
D/B/A
verizon wireless
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
PHONE (502) 552-0330
FAX (502) 266-7548

BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DR
LOUISVILLE, KENTUCKY 40220
PHONE (502) 459-8402
FAX (502) 459-8427

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER 806 STATE ROAD 902 WEST FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
LONGITUDE: 88° 09' 52.532"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	12/17/12

TITLE: COMMUNICATIONS SITE SURVEY

SHEET: C-2

SITE PLAN NOTES

1. THE PROPOSED DEVELOPMENT IS FOR A 290 FOOT SELF-SUPPORT TOWER WITH MULTIPLE EQUIPMENT LOCATIONS. THE LOCATION IS 806 SR 902 WEST, FREDONIA, KY 42411.

2. THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZED DRIVE FROM AN EXISTING ASPHALT ROADWAY (SR 902 WEST) WHICH IS A PUBLIC RIGHT OF WAY. THE ACCESS ROAD IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL HIGHWAY DEPARTMENT OF TRANSPORTATION STANDARDS. WATER, SANITARY SEWER, AND WASTE COLLECTIONS SERVICES ARE NOT REQUIRED FOR THE PROPOSED DEVELOPMENT.

3. CENTERLINE OF PROPOSED TOWER GEOGRAPHIC LOCATIONS:
   LATITUDE: 37° 09' 40.807" N, N 1950871.41
   LONGITUDE: 88° 09' 52.532 W, E 936881.78

4. REMOVE ALL VEGETATION, CLEAN AND GRUB LEASE AREA (WHERE REQUIRED).

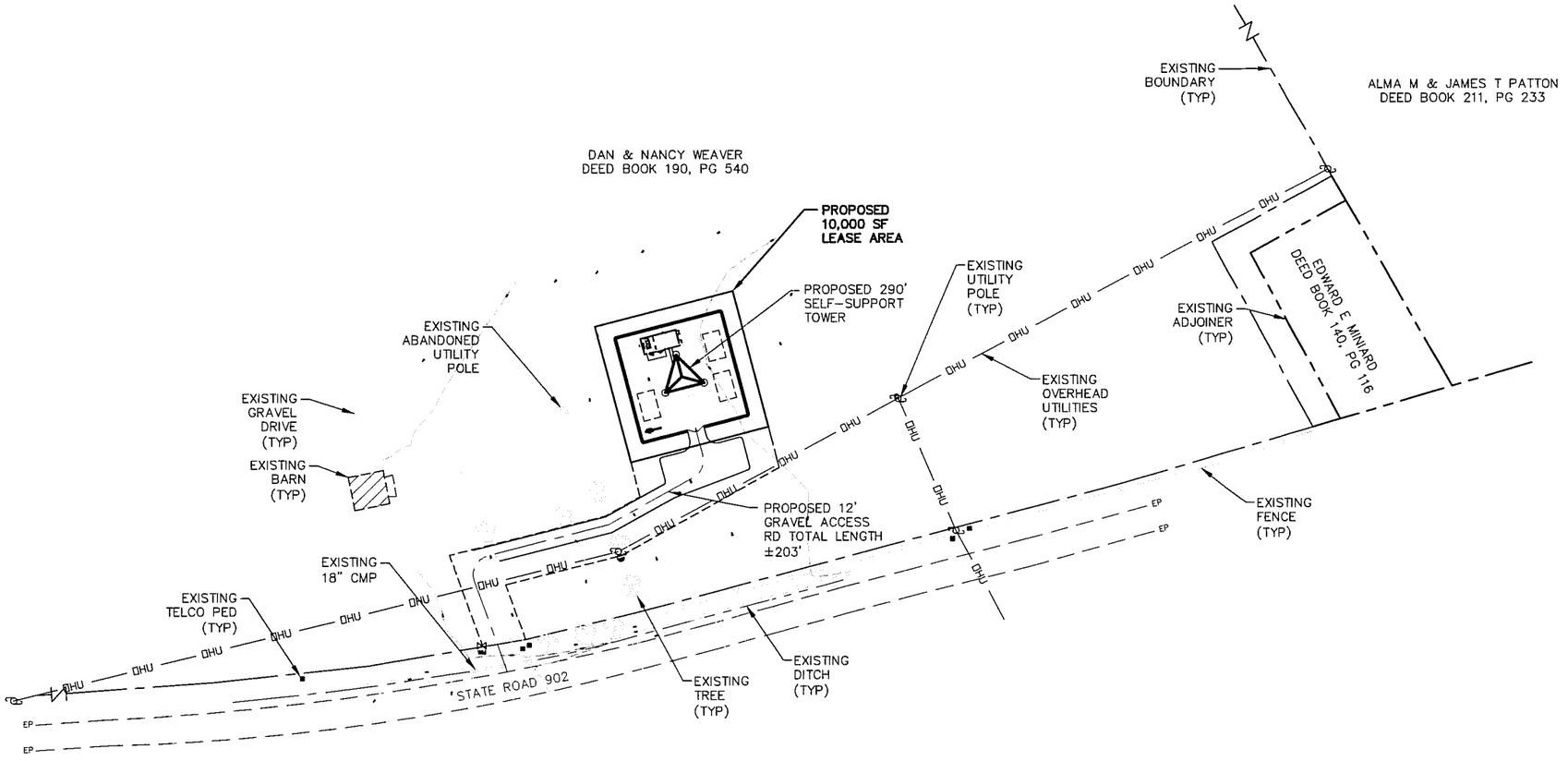
5. FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE WITH A SLOPE OF NO LESS THAN ONE EIGHTH INCH (1/8") PER FOOT FLOWING AWAY FROM EQUIPMENT FOR A MINIMUM DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS.

6. LOCATE ALL U.G. UTILITIES PRIOR TO ANY CONSTRUCTION.

7. COMPOUND FINISHED SURFACE TO BE FENCED

8. CONSTRUCTION STAKING; THE GENERAL CONTRACTOR SHALL CONTACT THE A&E/SURVEYING FIRM TO SCHEDULE THE CONSTRUCTION STAKING, SURVEYOR TO STAKE THE LEASE AREA CORNERS, THE THREE LEGS OF THE TOWER ON NEW SELF-SUPPORT TOWERS, THE TOWER CENTER ON NEW MONOPOLE TOWERS, FIVE FOOT OFFSETS ON THE ACCESS EASEMENT AT 50 FOOT INTERVALS (ON CURVED ACCESS EASEMENTS, STAKE THE POINT OF CURVE AND POINT OF RETURN IN ADDITION TO 50 FOOT INTERVALS), PROVIDE A BENCHMARK NEAR THE COMPOUND. IF THERE IS A SEPARATE UTILITY EASEMENT, SURVEYOR SHALL STAKE THE CENTERLINE OF THE UTILITY EASEMENT.

UNDERGROUND UTILITIES
CALL 2 WORKING DAYS
BEFORE YOU DIG
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 — FENCE LINE
- POWER POLE
- TELE PED — TELEPHONE PEDESTAL
- WATER VALVES
- FIRE HYDRANTS
- BOLLARDS

GRAPHIC SCALE
0 50 100
1 INCH = 100 FT.

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

STATE OF KENTUCKY
WOODROW W MARCUM, JR
13602
LICENSED PROFESSIONAL ENGINEER

SITE NAME: DYCUSBURG

SITE ADDRESS: 806 SR 902 WEST
FREDONIA, KY 42411

LATITUDE: 37° 09' 40.807" N
LONGITUDE: 88° 09' 52.532" W

LEASE AREA: 10,000 SF

TOWER TYPE: SELF-SUPPORT

TOWER HEIGHT: 290'

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	05/21/13
2	REISSUE FOR COMMENT	07/17/13
3	ISSUE FOR ZONING	08/26/13

TITLE: OVERALL SITE LAYOUT

SHEET: Z-3

SITE PLAN NOTES

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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

8. CONSTRUCTION STAKING; THE GENERAL CONTRACTOR SHALL CONTACT THE A&E/SURVEYING FIRM TO SCHEDULE THE CONSTRUCTION STAKING, SURVEYOR TO STAKE THE LEASE AREA CORNERS, THE THREE LEGS OF THE TOWER ON NEW SELF-SUPPORT TOWERS, THE TOWER CENTER ON NEW MONOPOLE TOWERS, FIVE FOOT OFFSETS ON THE ACCESS EASEMENT AT 50 FOOT INTERVALS (ON CURVED ACCESS EASEMENTS, STAKE THE POINT OF CURVE AND POINT OF RETURN IN ADDITION TO 50 FOOT INTERVALS), PROVIDE A BENCHMARK NEAR THE COMPOUND. IF THERE IS A SEPARATE UTILITY EASEMENT, SURVEYOR SHALL STAKE THE CENTERLINE OF THE UTILITY EASEMENT.

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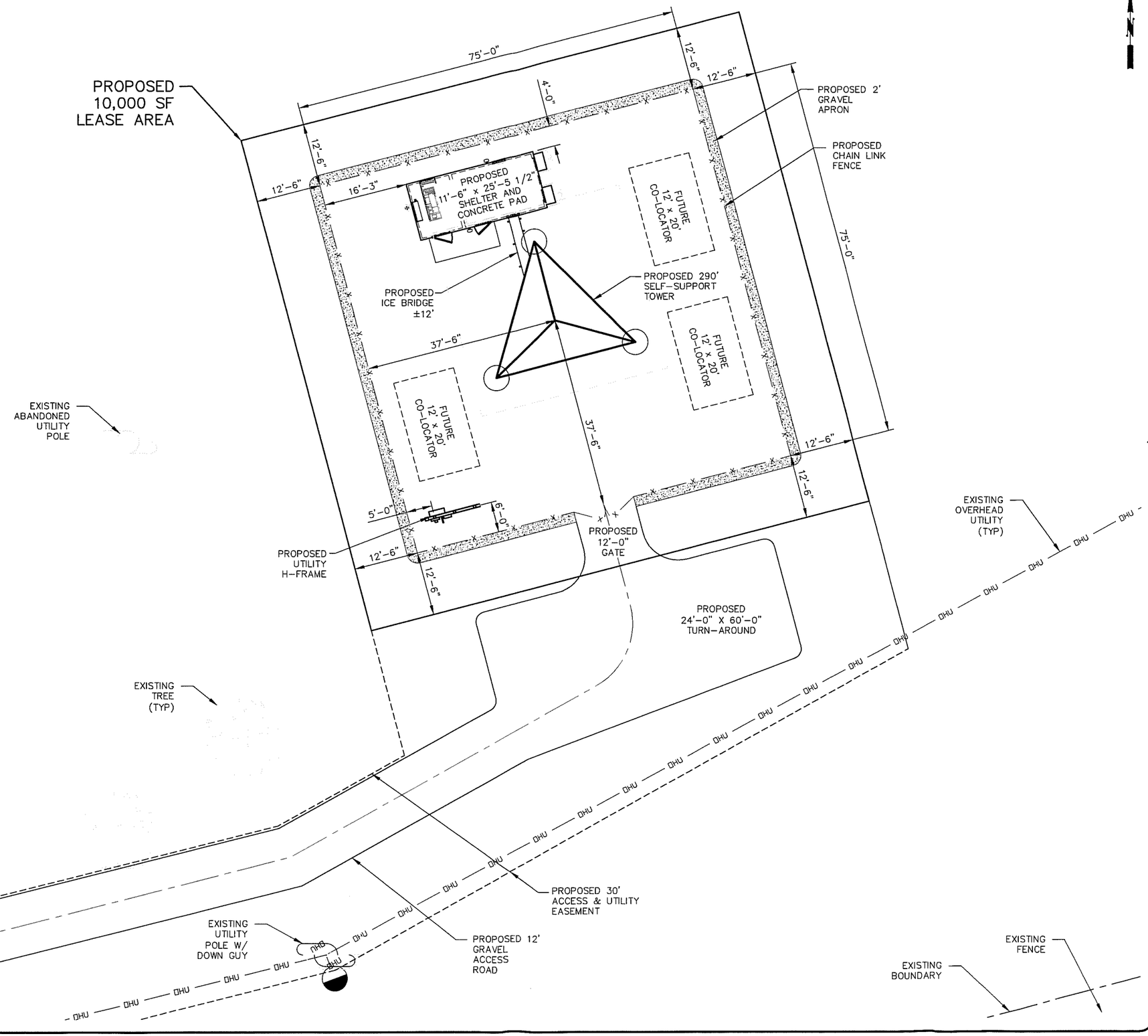

LEGEND

- 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 — FENCE LINE
- POWER POLE
- TELE. PED — TELEPHONE PEDESTAL
- WATER VALVES
- FIRE HYDRANTS
- BOLLARDS

GRAPHIC SCALE
10' 0 5' 10' 20' 40'
(IN FEET)
1 inch = 20 ft.

CELLCO PARTNERSHIP
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(502) 459-8427 FAX

STATE OF KENTUCKY
WOODROW W MARCUM, JR
13602
LICENSED PROFESSIONAL ENGINEERS

SITE NAME: DYCUSBURG

SITE ADDRESS: 806 SR 902 WEST FREDONIA, KY 42411

LATITUDE: 37° 09' 40.807" N
LONGITUDE: 88° 09' 52.532" W

LEASE AREA: 10,000 SF

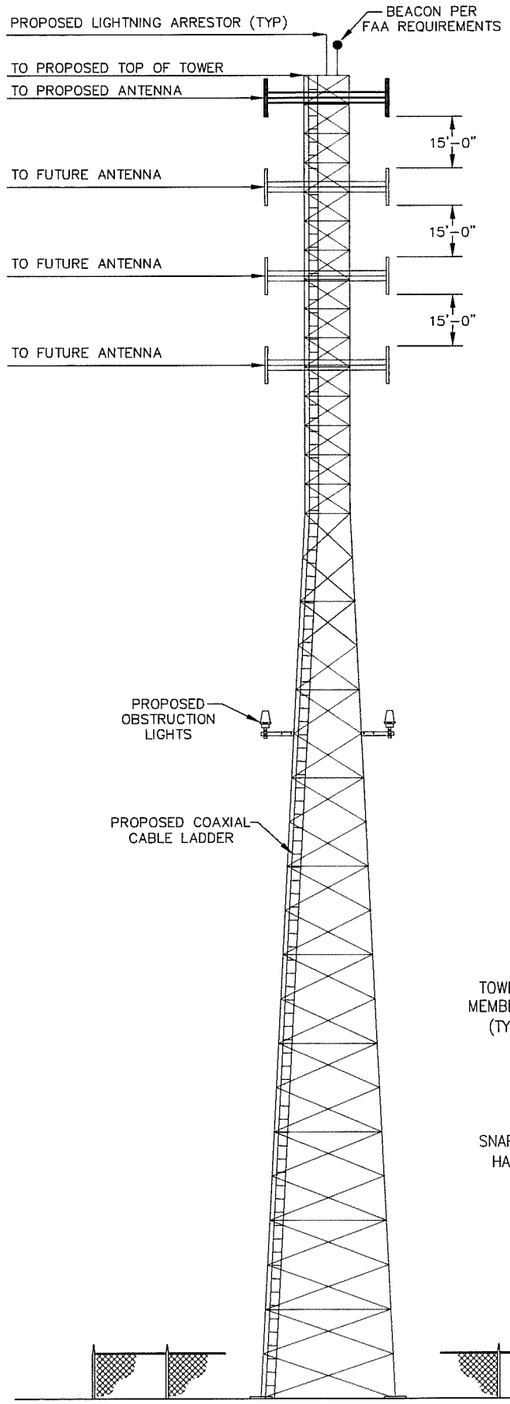
TOWER TYPE: SELF-SUPPORT

TOWER HEIGHT: 290'

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	05/21/13
2	REISSUE FOR COMMENT	07/17/13
3	ISSUE FOR ZONING	08/26/13

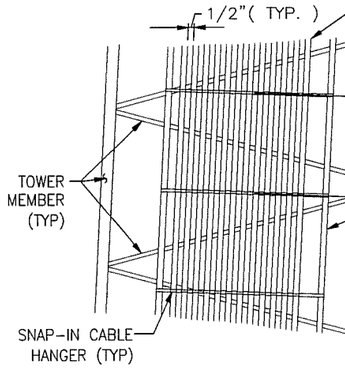
TITLE: SITE LAYOUT

SHEET: Z-4



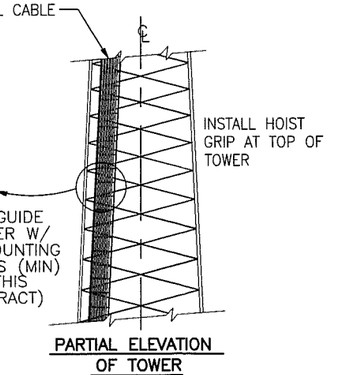
NORTH ELEVATION

NOT TO SCALE



CABLE MOUNTING DETAIL

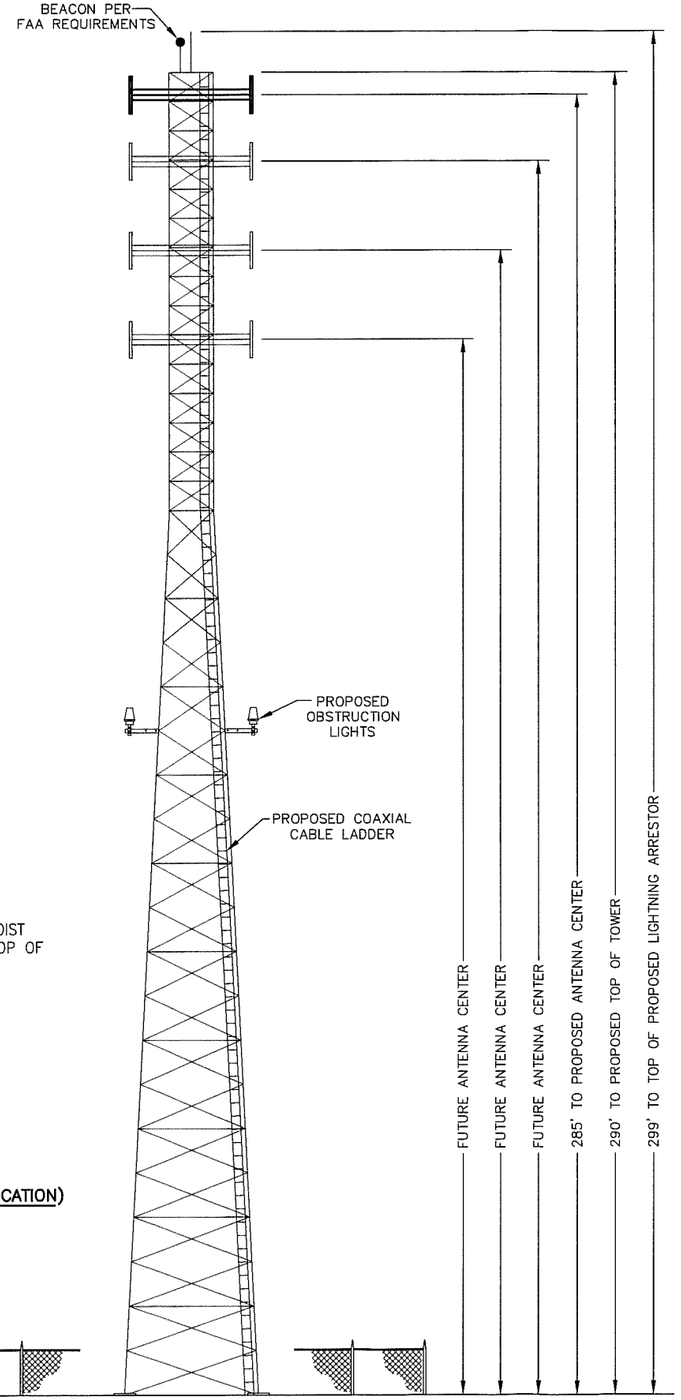
NTS



PARTIAL ELEVATION OF TOWER

(SEE SITE PLAN FOR EXACT LOCATION)

NTS



SOUTH ELEVATION

NOT TO SCALE

CELLCO PARTNERSHIP
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STATE OF KENTUCKY
WOODROW W MARCUM, JR
13602
LICENSED PROFESSIONAL ENGINEER

SITE NAME: DYCUSBURG

SITE ADDRESS: 806 SR 902 WEST FREDONIA, KY 42411

LATITUDE: 37° 09' 40.807" N
LONGITUDE: 88° 09' 52.532" W

LEASE AREA: 10,000 SF

TOWER TYPE: SELF-SUPPORT

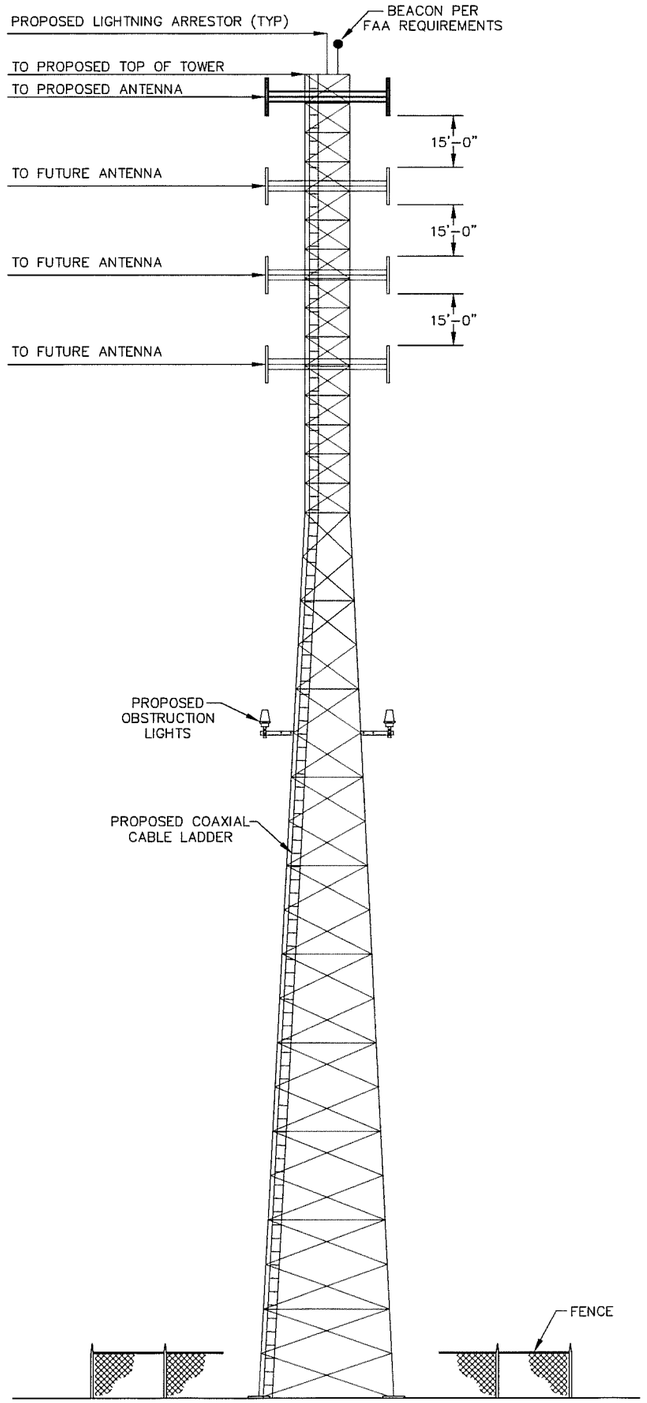
TOWER HEIGHT: 290'

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	05/21/13
2	REISSUE FOR COMMENT	07/17/13
3	ISSUE FOR ZONING	08/26/13

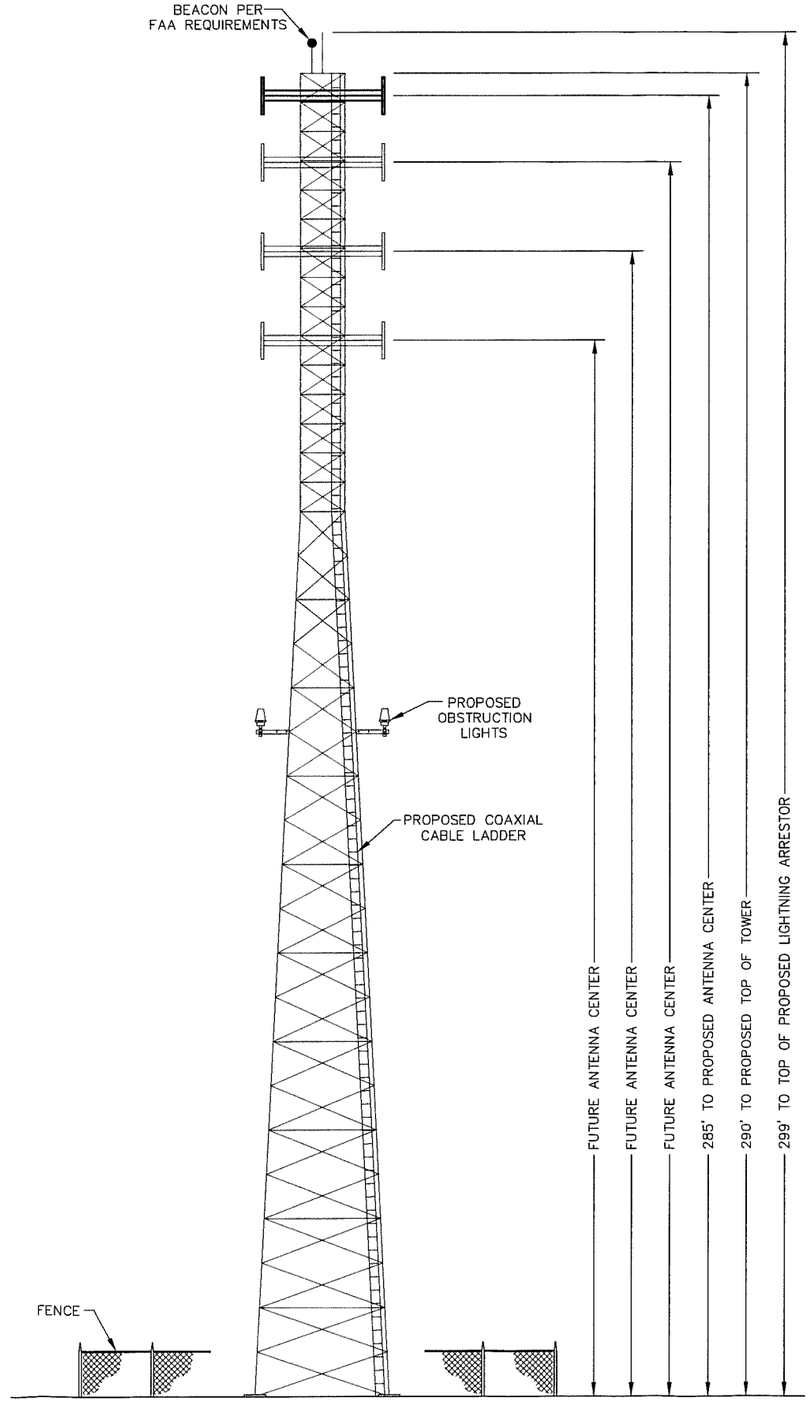
TITLE: NORTH & SOUTH ELEVATIONS

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.



EAST ELEVATION
NOT TO SCALE



WEST ELEVATION
NOT TO SCALE

CELLCO PARTNERSHIP
D/B/A
verizon wireless
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
PHONE (502) 552-0330
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(502) 459-8402 PHONE
(502) 459-8427 FAX

STATE OF KENTUCKY
WOODROW W MARCUM, JR
13502
LICENSED PROFESSIONAL ENGINEER

SITE NAME: DYCUSBURG

SITE ADDRESS: 806 SR 902 WEST FREDONIA, KY 42411

LATITUDE: 37° 09' 40.807" N
LONGITUDE: 88° 09' 52.532" W

LEASE AREA: 10,000 SF

TOWER TYPE: SELF-SUPPORT

TOWER HEIGHT: 290'

NO	REVISION/ISSUE	DATE
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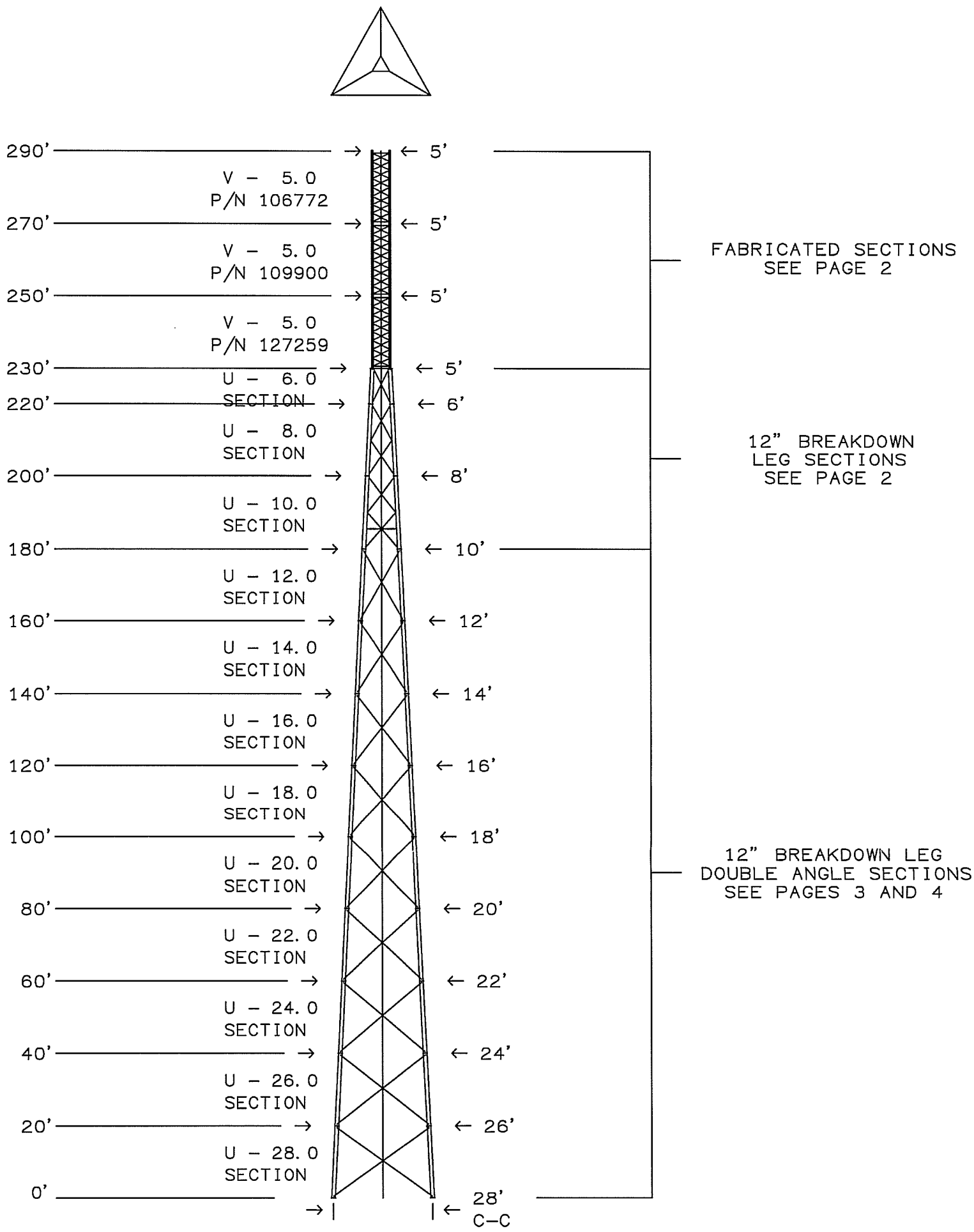
2	REISSUE FOR COMMENT	07/17/13
3	ISSUE FOR ZONING	08/26/13

TITLE:
EAST & WEST ELEVATIONS

SHEET:
Z-6

EXHIBIT C
TOWER AND FOUNDATION DESIGN



STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
LICENSED PROFESSIONAL ENGINEER

APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

REV	DESCRIPTION OF REVISIONS	INI	DATE
A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

VALMONT STRUCTURES IS A DIVISION OF VALMONT INDUSTRIES, INC. ENGINEERING PROVIDED BY PIROD, INC., WHOLLY OWNED BY VALMONT INDUSTRIES, INC.

From: F1015132.DFT - 04/17/2013 16:12
Printed from 248016_01@A.DWG - 04/17/2013 16:14 @ 04/18/2013 15:46

VERIZON WIRELESS
DYCUSBURG 141, KY
U-28.0 X 290'

KENTUCKY C.O.A.	1542	
APPROVED/ENG.	M_S	4/18/2013
APPROVED/FOUND.	N/A	
COPYRIGHT 2013		
DRAWN BY	M_S	
ENG. FILE NO.	A-216867-	
ARCHIVE	F-1015132	

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

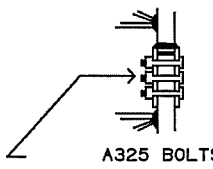
DRAWING NO. 248016

FABRICATED SECTION DATA 230' – 290' ELEVATION

SECT LEN	SEC #	SECTION PART#	LEG SIZE	BRACE SIZE	SECT WT. *	BOLTS AT BOTTOM DIAM	LENGTH	#
20'	V– 5.0	106772	2 "	7/8 "	1477#	3/4"	5"	15
20'	V– 5.0	109900	2– 1/4 "	7/8 "	1661#	3/4"	5–1/2"	15
20'	V– 5.0	127259	2– 1/2 "	1 "	2135#	1 "	3–1/2"	18

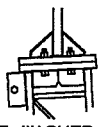
* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.

FABRICATED SECTIONS TYPICAL SLEEVE TYPE LEG CONNECTION



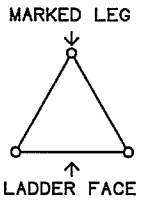
A325 BOLTS
SEE TABLE ABOVE FOR SIZE.

FABRICATED SECTIONS TRANSITION SIDE VIEW AT 230' ELEVATION



USE 1 FLAT WASHER UNDER EACH LOCK WASHER AND PLAIN NUT ON LEG CONNECTION.

FABRICATED SECTIONS GENERAL SECTION ASSEMBLY TOP VIEW



THE MARKED LEG OF EACH SECTION IS STAMPED WITH THE 6 DIGITS OF THE TOWER SERIAL #. ASSEMBLE THE TOWER WITH MARKED LEGS TOGETHER. THE MARKED LEG MAY ALSO CONTAIN JOINT NUMBERS STARTING WITH 1 AT THE TOP OF THE BASE SECTION. IF SO, ERECT WITH JOINTS IN THE PROPER SEQUENCE.

BREAKDOWN SECTION DATA (12" LEG) 180' – 230' ELEVATION

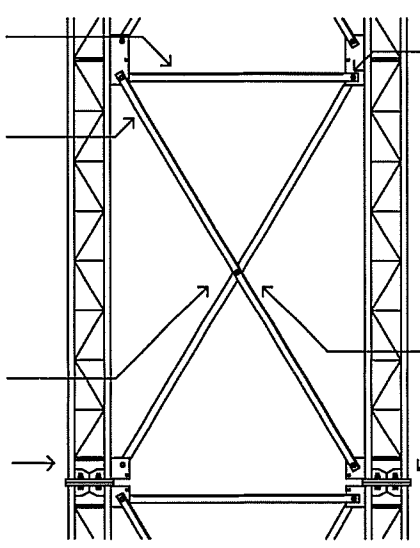
SEC #	SECTION LENGTH	LEG SIZE	LEG PART#	TOP DIAG PART#	BOT DIAG PART#	DIAGONAL ANGLE FACE	THICK	QTY HOR	SECTION WEIGHT	LEG CONNECT BOTTOM + DIAM	LENGTH	BUSHNG	DIAG CONNECT DIAM	LENGTH
U– 6.0	10'	1– 1/2"	211177		105556	2–1/2"	3/16"	1	1290#	1 "	3–1/2"		1 "	2–1/4"
U– 8.0	20'	1– 3/4"	195557	105558	105561	2–1/2"	3/16"		2682#	1 "	3–1/2"		1 "	2–1/4"
U–10.0	20'	1– 3/4"	195557	156933	156934	2–1/2"	1/4"	1	3070#	1 "	4–1/4"	312901	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.
** SEE ANGLE HORIZONTAL DATA TABLE FOR BOLT SIZE AT LEVELS WITH TYPE 1 HORIZONTALS.
+ USE 1 FLAT WASHER UNDER EACH LOCK WASHER FOR LEG CONNECTION ONLY. ALSO USE 1 FLATWASHER UNDER EACH BOLT HEAD WHERE BUSHINGS ARE REQUIRED.

ANGLE HORIZONTAL DATA (12" LEG)

HORIZ HT	IN SEC#	HORIZ PART#	HORIZ TYPE	BOLTS DIAM	LENGTH
230	U– 6.0	105939	1	1 "	3–1/2"
185	U–10.0	106205	3	SEE # 106084	

TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG) 180' – 230' ELEVATION



STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
LICENSED PROFESSIONAL ENGINEER

APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

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VERIZON WIRELESS
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U–28.0 X 290'

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BREAKDOWN SECTION LEG DATA (12" LEG WITH DOUBLE ANGLES) 0' – 180' ELEVATION

SECTION				LEG		LEG CONNECT @ BOTTOM+		
#	MODEL	LENGTH	WEIGHT*	SIZE	PART #	DIAM	LENGTH	#
9	U-12.0	20'	3955#	2 "	211843	1"	4-3/4"	12
8	U-14.0	20'	4541#	2- 1/4 "	208334	1"	4-3/4"	12
7	U-16.0	20'	4594#	2- 1/4 "	208334	1"	4-3/4"	12
6	U-18.0	20'	4650#	2- 1/4 "	208334	1"	4-3/4"	12
5	U-20.0	20'	5299#	2- 1/2 "	208335	1"	4-3/4"	12
4	U-22.0	20'	6061#	2- 1/2 "	208335	1"	4-3/4"	12
3	U-24.0	20'	6946#	2- 3/4 "	208337	1"	4-3/4"	12
2	U-26.0	20'	7057#	2- 3/4 "	208337	1"	4-3/4"	12
1	U-28.0	20'	7099#	2- 3/4 "	214309			

* 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' – 180' 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 #	#*
9	U-12.0	211741	211744	211801	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	5
8	U-14.0	211747	211750	211804	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	5
7	U-16.0	211753	211756	211807	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	6
6	U-18.0	211759	211762	211810	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	6
5	U-20.0	211764	211766	211812	3"	3/16"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	7
4	U-22.0	211931	211932	211957	3-1/2"	1/4"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8
3	U-24.0	211933	211934	211958	3-1/2"	1/4"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8
2	U-26.0	211935	211936	211959	3-1/2"	1/4"	7/8"	2-1/2"	5/8"	2-1/4"	211833	104291	8
1	U-28.0	211937	211938	211960	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.

STATE OF KENTUCKY
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LICENSED PROFESSIONAL ENGINEER

APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

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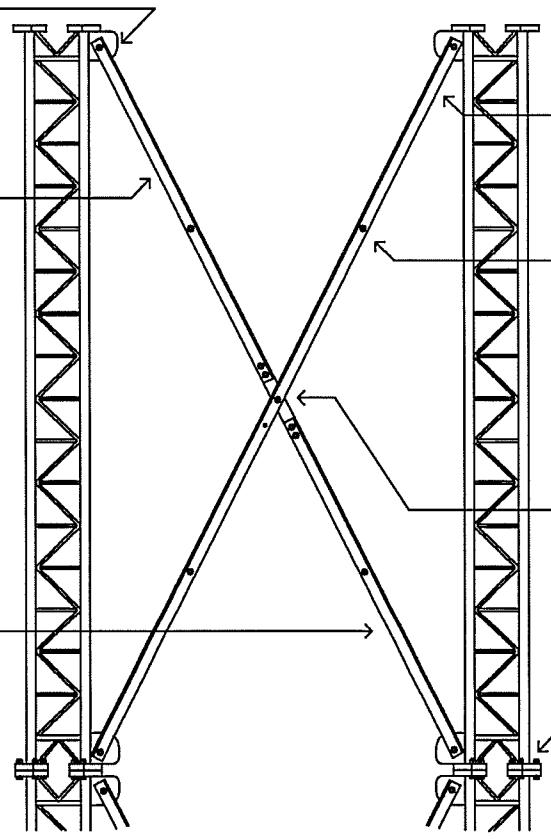
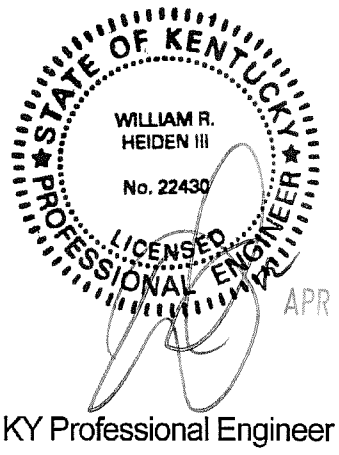
TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG WITH DOUBLE ANGLES) 0' – 180' ELEVATION



ATTENTION ERECTOR:

1. 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 RESPONSIBILTY OF THE TOWER CONTRACTOR TO ENSURE BREAKDOWN LEGS AND ANGLES ARE NOT DAMAGED DURING THE TOWER ASSEMBLY AND ERECTION.
2. 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 RESPONSIBILTY OF THE TOWER CONTRACTOR TO ENSURE BREAKDOWN LEGS AND ANGLES ARE NOT DAMAGED DURING THE TOWER ASSEMBLY AND ERECTION.



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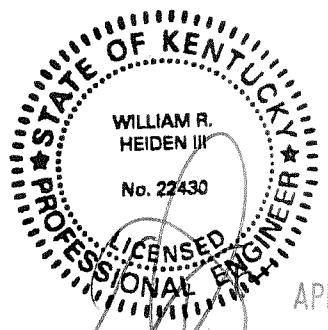
GENERAL NOTES

1. TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 75 MPH FASTEST-MILE BASIC WIND SPEED WITH NO ICE.
   TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 75 MPH FASTEST-MILE BASIC WIND SPEED WITH .5" RADIAL ICE WITH LOAD DUE TO WIND REDUCED BY 25% WHEN CONSIDERED SIMULTANEOUSLY WITH ICE.
   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 1" RADIAL ICE.
2. TWIST AND SWAY PER EIA/TIA-222-F FOR 8 FT. DIAMETER DISHES AT 6 GHZ (LESS THAN OR EQUAL TO 1.13 DEGREES) AT 50 MPH WITH NO ICE AT 185 FT. ABOVE THE BASE OF THE TOWER. ALL OPERATIONAL WINDLOADS ARE ASSUMED TO OCCUR AT 33 FT. ABOVE GROUND LEVEL.
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).
4. BASE REACTIONS PER DESIGN LOADING LISTED ABOVE: TOTAL WEIGHT = 142.0 KIPS. MAXIMUM COMPRESSION = 573.0 KIPS PER LEG. MOMENT = 12744.0 KIP-FT. MAXIMUM UPLIFT = 459.0 KIPS PER LEG. MAXIMUM SHEAR = 79.0 KIPS TOTAL.
5. FINISH: ALL BOLTS ARE GALVANIZED IN ACCORDANCE WITH ASTMA153 (HOT DIPPED) OR ASTM B695 CLASS 50 (MECHANICAL). ALL OTHER STRUCTURAL MATERIALS ARE GALVANIZED IN ACCORDANCE WITH ASTM123.
6. ANTENNAS: 285'-(6) LPA-70080/8CF, (3) BXA-70080/8CF, (3) HBX-6517DS-VTM, (3) RRU'S 12" X 12" X 12", (1) RAYCAP RCMDC-3315-PF-48 ALL ON (3) 12' V-FRAMES WITH (12) 1-5/8" LINES
   265'-(12) LNX-6515DS-T4M ON (3) 12' V-FRAMES WITH (12) 1-5/8" LINES (FUTURE)
   245'-(12) LNX-6515DS-T4M ON (3) 12' V-FRAMES WITH (12) 1-5/8" LINES (FUTURE)
   225'-(12) LNX-6515DS-T4M ON (3) 12' V-FRAMES WITH (12) 1-5/8" LINES (FUTURE)
   205'-(12) LNX-6515DS-T4M ON (3) 12' V-FRAMES WITH (12) 1-5/8" LINES (FUTURE)
   185'-(1) PAR8-59 MICROWAVE DISH WITHOUT RADOME (240 DEG. AZIMUTH ASSUMED) ON (1) DISH MOUNT WITH (1) 1-5/8" LINE
   NOTE: (A) ELEVATIONS ARE TO THE BOTTOM OF THE ANTENNAS EXCEPT FOR MICROWAVE DISHES, WHICH ARE TO THE CENTERLINE.
7. 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.
8. MIN. WELDS 5/16" UNLESS OTHERWISE SPECIFIED. ALL WELDING TO CONFORM TO AWS D1.1 SPECIFICATIONS .
9. 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.
10. ALL BOLTS AND NUTS MUST BE IN PLACE BEFORE THE ADJOINING SECTIONS ARE INSTALLED.
11. ALL STRUCTURAL BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY AISC SPECIFICATION UNLESS OTHERWISE NOTED.
12. ATTENTION TOWER ERECTOR: COAT ALL BOLT ASSEMBLIESTHAT USE PIN LOCK NUTS WITH ZINC RICH COLD GALVANIZING COMPOUND AFTER FINAL TIGHTNENING.
13. TIA-222-G GROUNDING FOR TOWER.
14. TOWER LIGHTING SUPPLIED BY OTHERS.



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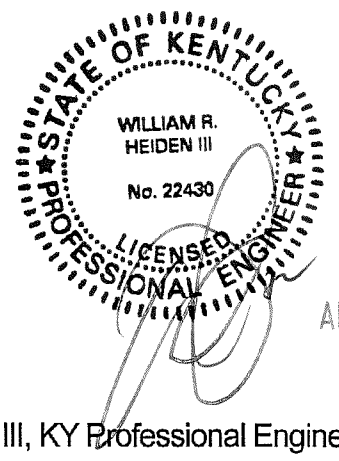
FOUNDATION NOTES

ALTERNATE FOUNDATION #1

1. SOIL AS PER REPORT BY FSTAN, DATED 02/25/12, PROJECT# 13-8422
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 OFNO MORE THAN 12" THICK. FILL MATERIALS SHOULD BE CLEAN AND FREE OF ORGANIC AND FROZEN MATERIALS OR ANY OTHER DELETERIOUS MATERIALS. COMPACT FILL TO 98% 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. THE ON-SITE GEOTECHNICAL ENGINEER SHALL CONFIRM THAT THE INSITU SOIL STRENGTHS MEET OR EXCEED THOSE PARAMETERS GIVEN IN THE SOIL REPORT.
8. A SUMP PUMP OR OTHER DEWATERING SYSTEM MAY BE REQUIRED TO LOWER THE WATER TABLE TO FACILITATE THE INSTALLATION OF THE FOUNDATION.
9. ANY SOFT OR UNSTABLE SUBGRADE SOILS DETECTED DURING THE EXCAVATION SHOULD BE REMOVED AND REPLACED WITH COMPACTED FILL.
10. A QUALIFIED GEOTECHNICAL ENGINEER MUST VERIFY THAT NO KARSTIC ACTIVITY IS DIRECTLY BELOW THIS SITE AND THAT THOSE ACTIVITIES THAT LIE BELOW ADJACENT PROPERTIES DO NOT PRESENT A RISK FOR SUBSIDENCE. THIS FOUNDATION HAS BEEN DESIGNED ASSUMING THAT NO SUBSIDENCE WILL OCCUR. IF THE POTENTIAL FOR SINKHOLE SUBSIDENCE EXISTS, THIS FOUNDATION DESIGN IS NO LONGER VALID.



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REV	DESCRIPTION OF REVISIONS	INI	DATE
A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

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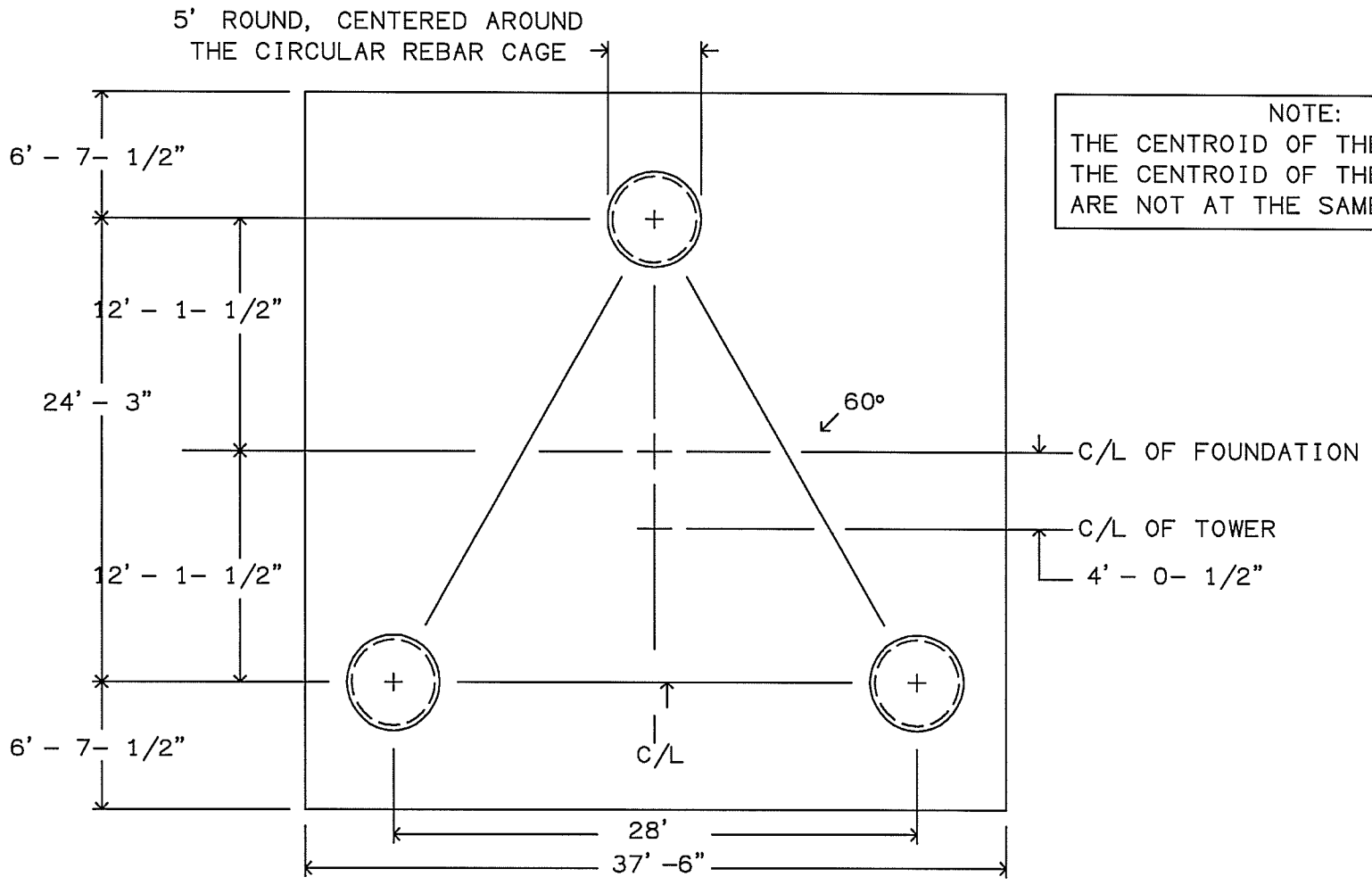
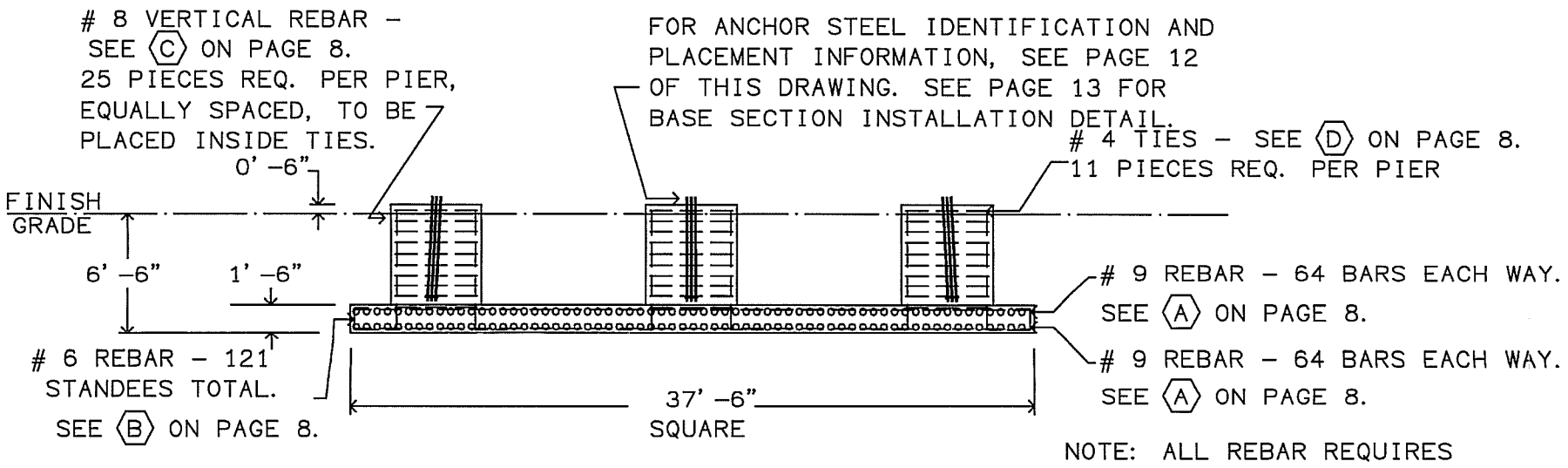


NOTE:
THE CENTROID OF THE TOWER AND THE CENTROID OF THE FOUNDATION ARE NOT AT THE SAME POINT!



NOTE: ALL REBAR REQUIRES MIN. 3" CONCRETE COVERAGE

ALTERNATE FOUNDATION #1

90. 1 CUBIC YARDS CONCRETE REQUIRED

FOR INSTALLATION SPECIFICATIONS AND ADDITIONAL INFORMATION, SEE PAGE 6 OF THIS DRAWING.

STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
LICENSED PROFESSIONAL ENGINEER

APR 1 8 2013

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A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

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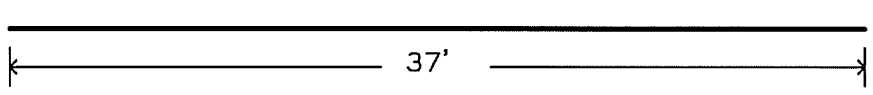
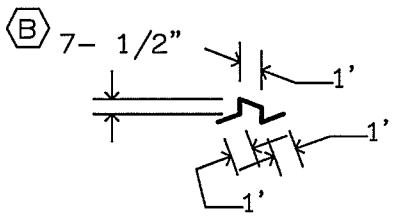


9 REBAR – 256 PIECES REQ. TOTAL
APPROX WT = 125.8# EACH, 32205# TOTAL

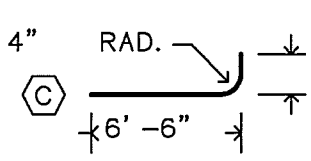
REBAR SUPPORTS MAY CONSIST OF ANY ACCEPTABLE MEANS OF SECURELY SUPPORTING THE TOP REINFORCEMENT GRID ABOVE THE BOTTOM REINFORCEMENT GRID WHILE MAINTAINING A SEPARATION OF 1' (OUTSIDE REBAR TO OUTSIDE REBAR).

Ⓑ



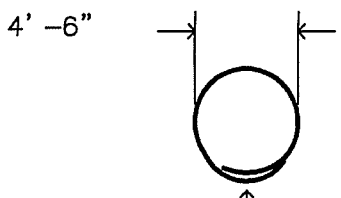
6 REBAR – 121 PIECES REQUIRED TOTAL
TYPE 26 STANDEE PLACED BETWEEN REBAR GRIDS ON NOMINAL 4' SPACING THROUGHOUT
APPROX UNBENT LENGTH = 4' – 3– 1/4"
APPROX WT = 6.4# EACH, 774# TOTAL

Ⓒ



8 REBAR – 75 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 8' – 1– 3/8"
APPROX WT = 21.7# EACH, 1628# TOTAL

Ⓓ



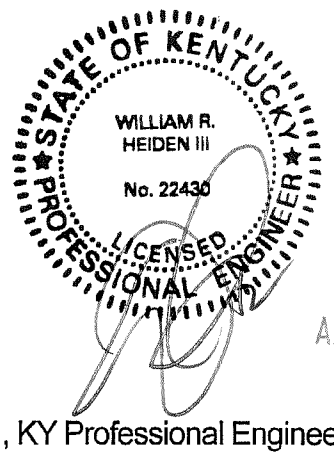
4 REBAR – 33 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 15' – 8– 1/4"
APPROX WT = 10.5# EACH, 347# TOTAL

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

ALTERNATE FOUNDATION #1

REBAR DETAIL

TOTAL APPROX REBAR WEIGHT = 34954#
REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.



APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

REV	DESCRIPTION OF REVISIONS	INI	DATE
A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

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From: F1015132.DFT – 04/18/2013 14:25
Printed from 248016_08@A.DWG – 04/18/2013 14:29 @ 04/18/2013 15:47

VERIZON WIRELESS
DYCUSBURG 141, KY
U–28.0 X 290'

KENTUCKY C.O.A. 1542		
APPROVED/ENG.	M_S	4/18/2013
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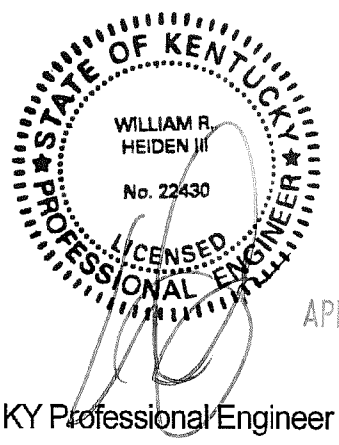
DRAWING NO. 248016
PAGE 8 OF 13

FOUNDATION NOTES

ALTERNATE FOUNDATION #2

1. SOIL AS PER REPORT BY FSTAN, DATED 02/25/12, PROJECT# 13-8422
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 REINFORCING STEEL TO BE FORMED INTO A CAGE PRIOR TO SETTING INTO POSITION IN THE EXCAVATED PIER.
5. PERMANENT STEEL CASING SHALL NOT BE USED WITHOUT CONSENT FROM FOUNDATION DESIGNERS.
6. BENDING, STRAIGHTENING OR REALIGNING (HOT OR COLD) OF THE ANCHOR BOLTS BY ANY METHOD IS PROHIBITED.
7. CROWN TOP OF FOUNDATION FOR PROPER DRAINAGE.
8. THE ON-SITE GEOTECHNICAL ENGINEER SHALL CONFIRM THAT THE INSITU SOIL STRENGTHS MEET OR EXCEED THOSE PARAMETERS GIVEN IN THE SOIL REPORT.
9. A TEMPORARY, FULL LENGTH STEEL CASING MAY BE REQUIRED DURING INSTALLATION.
10. IF MORE THAN 3" OF WATER IS PRESENT AT THE BOTTOM OF THE DRILLED SHAFT, EITHER WATER SHALL BE REMOVED OR CONCRETE SHALL BE PLACED USING THE TREMIE METHODS.
11. A QUALIFIED GEOTECHNICAL ENGINEER MUST VERIFY THAT NO KARSTIC ACTIVITY IS DIRECTLY BELOW THIS SITE AND THAT THOSE ACTIVITIES THAT LIE BELOW ADJACENT PROPERTIES DO NOT PRESENT A RISK FOR SUBSIDENCE. THIS FOUNDATION HAS BEEN DESIGNED ASSUMING THAT NO SUBSIDENCE WILL OCCUR. IF THE POTENTIAL FOR SINKHOLE SUBSIDENCE EXISTS, THIS FOUNDATION DESIGN IS NO LONGER VALID.



APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

REV	DESCRIPTION OF REVISIONS	INI	DATE
A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

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VERIZON WIRELESS
DYCUSBURG 141, KY
U-28.0 X 290'

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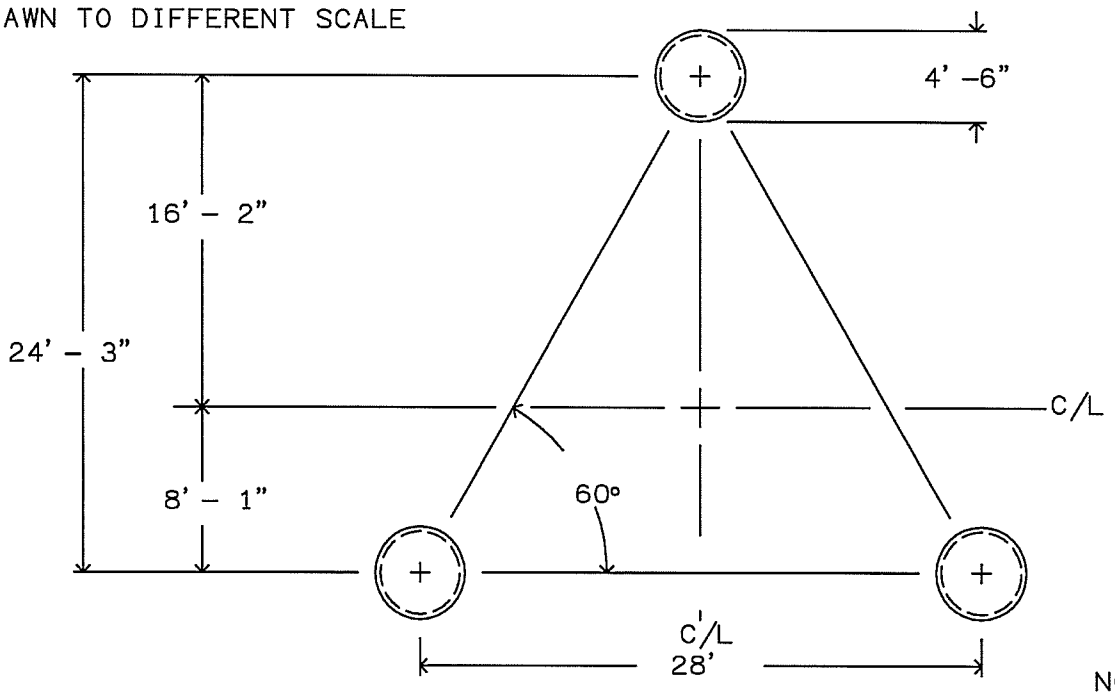
DRAWING NO. 248016

TOP VIEW

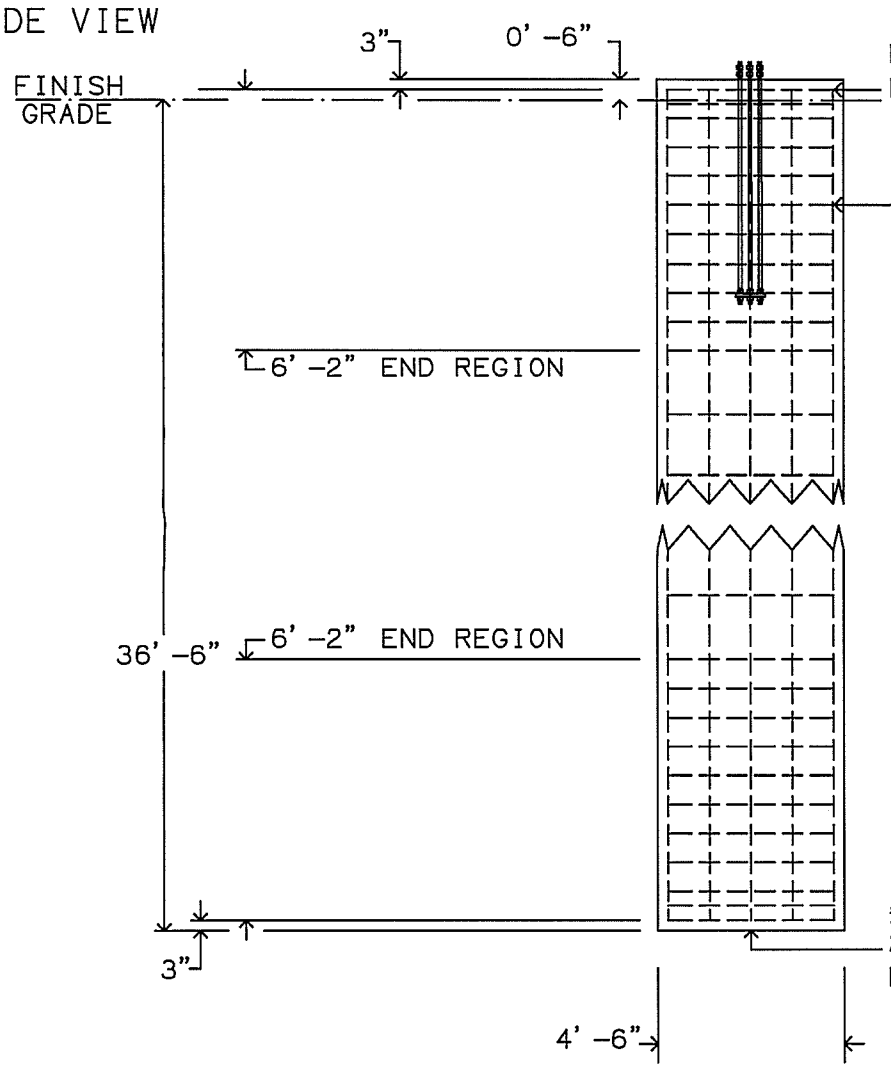
TOP AND SIDE VIEWS ARE DRAWN TO DIFFERENT SCALE



NOTE: ALL REBAR REQUIRES MINIMUM 3" CONCRETE COVERAGE

FOR ANCHOR STEEL IDENTIFICATION AND PLACEMENT INFORMATION, SEE PAGE 12. SEE PAGE 13 FOR BASE SECTION INSTALLATION DETAIL.

SIDE VIEW



FOR DETAIL VIEW OF REBAR CAGE END AREA, SEE (E) ON PAGE 11.

4 HORIZONTAL TIES - SEE (B) ON PAGE 11. 38 PIECES REQUIRED PER PIER. PLACE TIES AT 0' -9" NOMINAL SPACING WITHIN END REGIONS, AND 1' -6" NOMINAL SPACING IN REMAINDER OF PIER.

9 VERTICAL REBAR - SEE (A) ON PAGE 11. 20 PIECES REQUIRED PER PIER, EQUALLY SPACED, TO BE PLACED INSIDE TIES.

ALTERNATE FOUNDATION #2

THREE PIERS REQUIRED
21.8 CUBIC YARDS CONCRETE REQUIRED EACH PIER

FOR INSTALLATION SPECIFICATIONS AND ADDITIONAL INFORMATION, SEE PAGE 9 OF THIS DRAWING.

STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
LICENSED PROFESSIONAL ENGINEER

APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

REV	DESCRIPTION OF REVISIONS	INI	DATE
A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

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VERIZON WIRELESS
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U-28.0 X 290'

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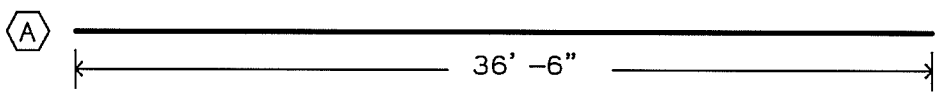
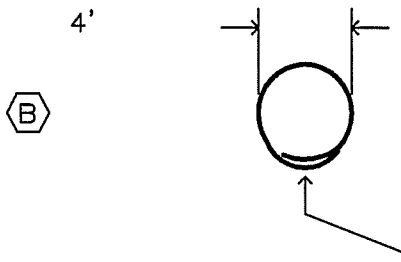


9 REBAR - 60 PIECES REQ. TOTAL
APPROX WT = 124.1# EACH, 7446# TOTAL

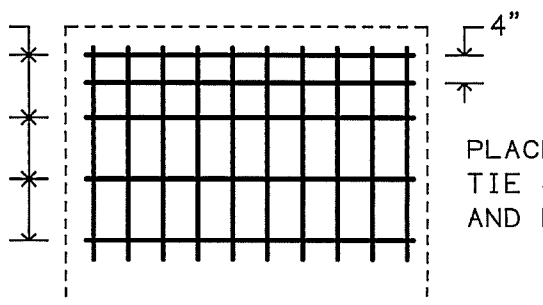


4 REBAR - 114 PIECES REQUIRED TOTAL
APPROX UNBENT LENGTH = 14' - 1- 3/8"
APPROX WT = 9.4# EACH, 1072# TOTAL

LAP DIMENSION: 1' - 6- 1/2"
PLACE CIRCULAR TIES SO THAT LAPS ON ADJACENT TIES ARE 180 DEGREES APART.

0' -9"

PLACE 10 CIRCULAR TIES WITHIN EACH END REGION (TOP AND BOTTOM). PLACE FIRST TIE AT END OF VERTICAL BARS AND CONTINUE SPACING AS SHOWN. SEE PAGE 10 FOR REGION DEFINITION.



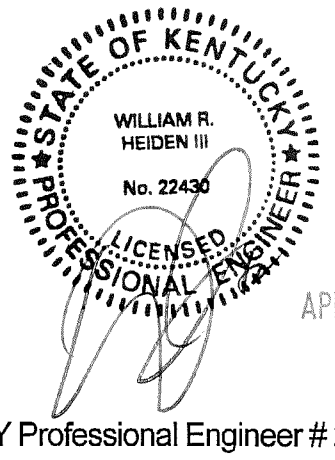
DETAIL OF REBAR CAGE END
E

PLACE AN ADDITIONAL CIRCULAR TIE 4" FROM THE END TIE (TOP AND BOTTOM) AS SHOWN.

ALTERNATE FOUNDATION #2

REBAR DETAIL

TOTAL APPROX REBAR WEIGHT = 8518#
REINFORCING BAR TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.



APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

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VERIZON WIRELESS
DYCUSBURG 141, KY
U-28.0 X 290'

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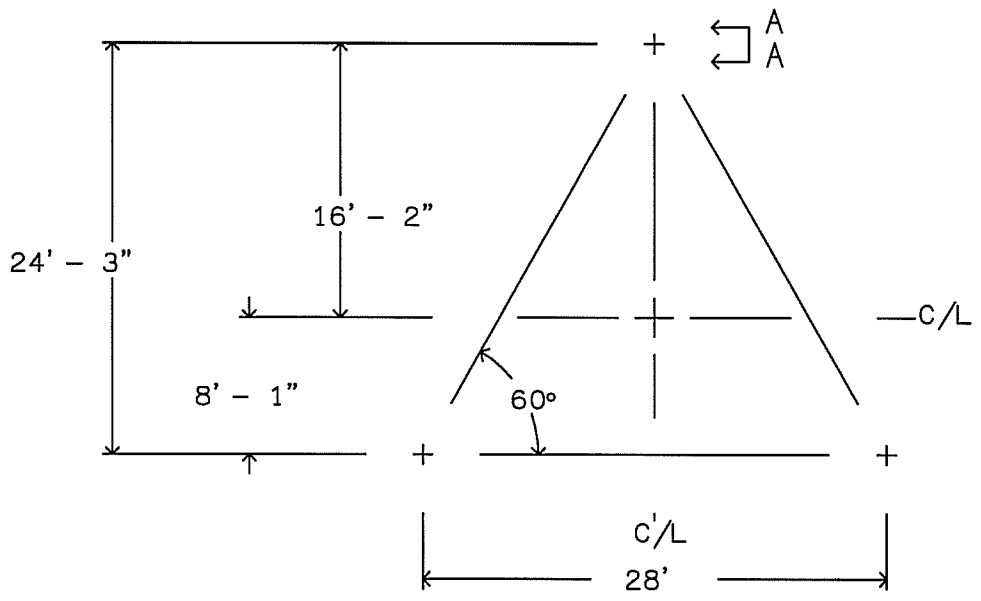
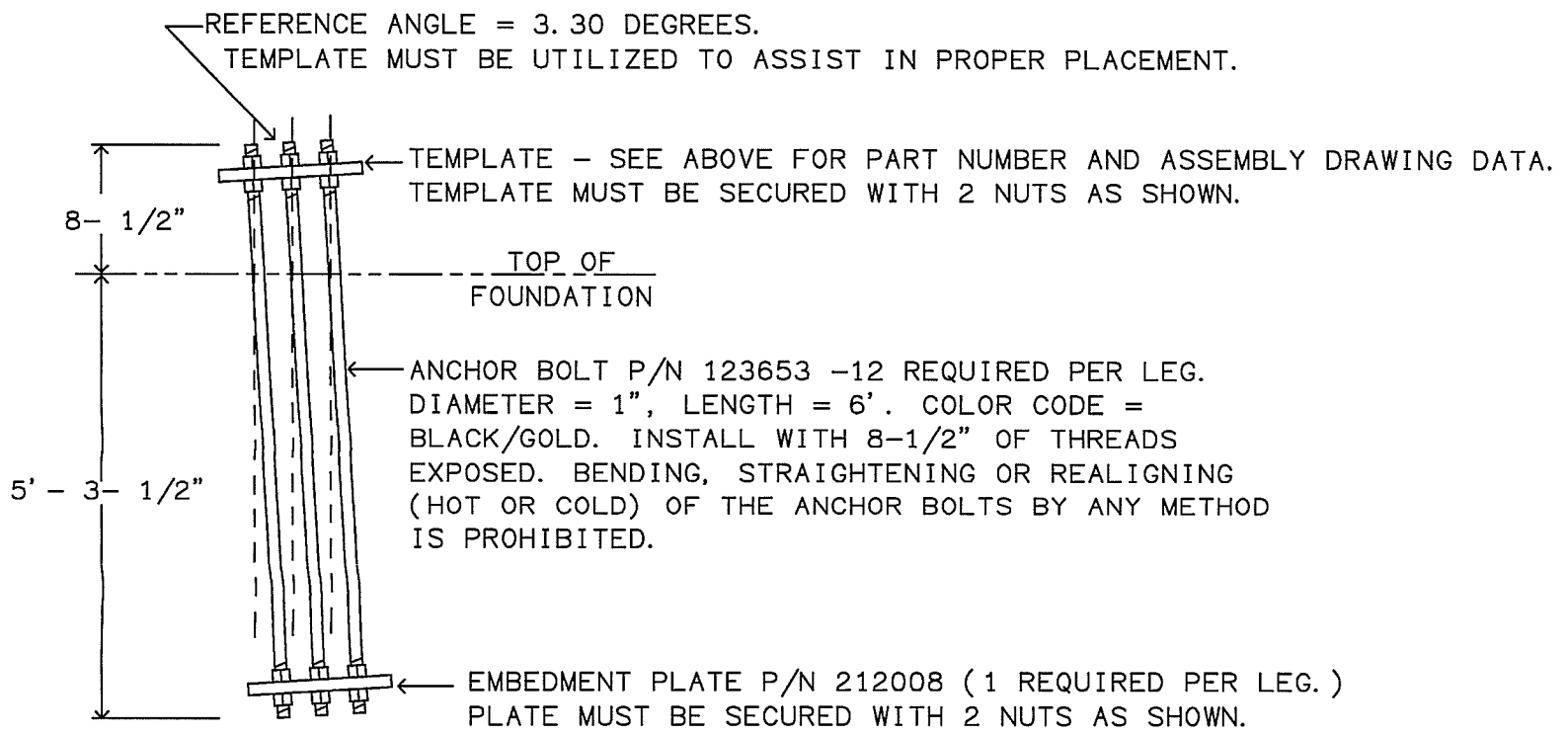
PAGE 11 OF 13



TOWER ANCHOR STEEL PLACEMENT – TOP VIEW

TEMPLATE ASSEMBLY P/N 211883 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 13 FOR BASE SECTION INSTALLATION DETAIL.



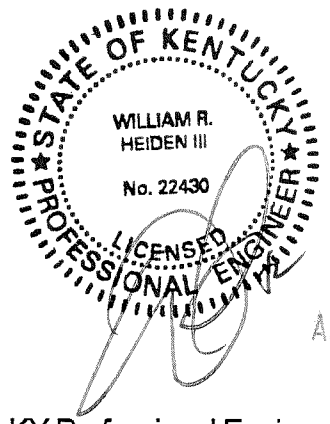
VIEW A – A – ANCHOR BOLT INSTALLATION DETAIL (NOT TO SCALE)

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 13.

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



William R. Heiden III, KY Professional Engineer # 22430

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A	ADDED FOUNDATIONS PER SOIL REPORT	MS	04/18/2013

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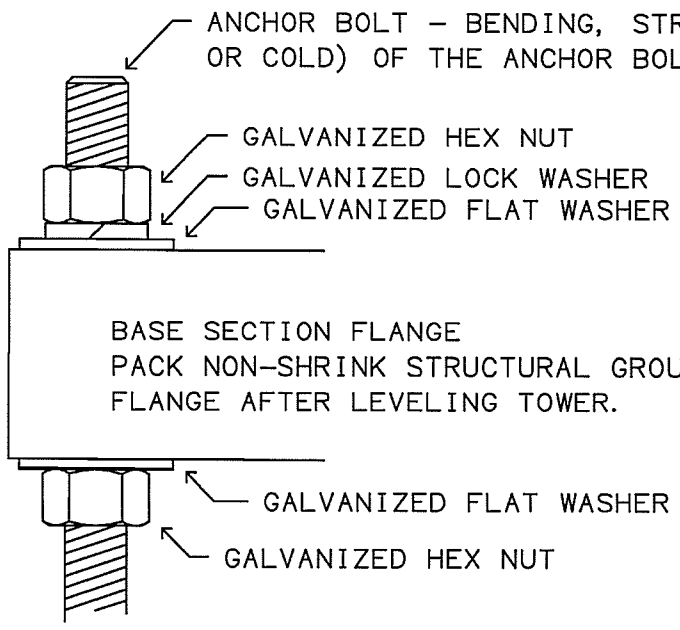

BASE SECTION INSTALLATION DETAIL

STATE OF KENTUCKY
WILLIAM R. HEIDEN III
No. 22430
LICENSED PROFESSIONAL ENGINEER

APR 18 2013

William R. Heiden III, KY Professional Engineer # 22430

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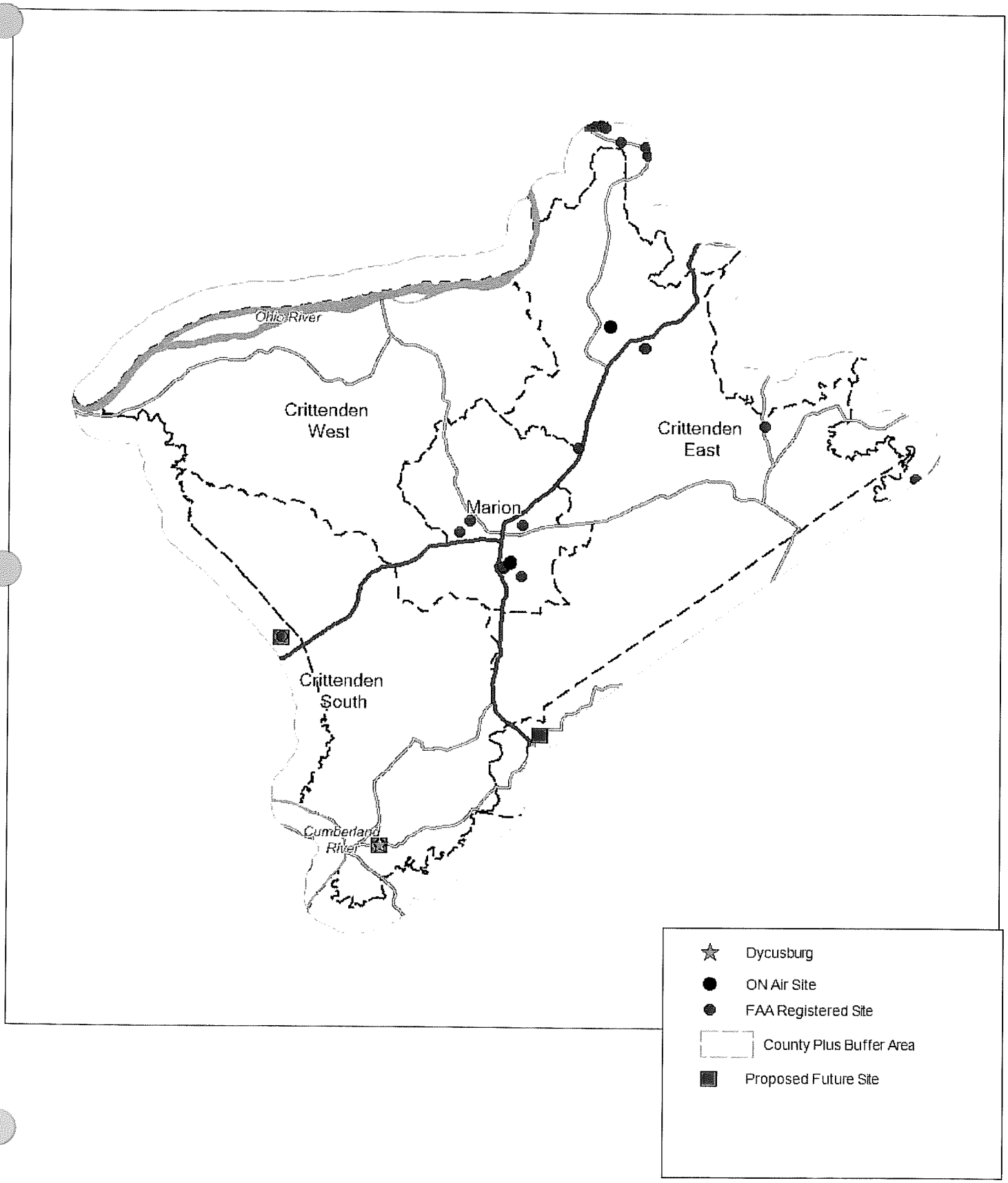
PAGE 13 OF 13

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

		Utility Name
		365 Wireless, LLC
		Air Voice Wireless, LLC
		Alltel Communications, LLC
		American Broadband and Telecommunications Company
		AmericaTel Corporation d/b/a ZERO11 Wireless
		AmeriMex Communications Corp.
		AmeriVision Communications, Inc. d/b/a Affinity 4
		Bandwidth.com, Inc.
		BCN Telecom, Inc.
		Bluegrass Wireless, LLC
		Boomerang Wireless, LLC
		Budget PrePay, Inc. dba Budget Mobile
		BullsEye Telecom, Inc.
		Cellco Partnership dba Verizon Wireless
		Cincinnati Bell Wireless, LLC
		Cintex Wireless, LLC
		Coast to Coast Cellular, Inc.
		Consumer Cellular, Incorporated
		Credit Union Wireless
		Credo Mobile, Inc.
		Cricket Communications, Inc.
		CTC Communications Corp. d/b/a EarthLink Business I
		Cumberland Cellular Partnership
		East Kentucky Network, LLC dba Appalachian Wireless
		Easy Telephone Service Company dba Easy Wireless
		Ernest Communications, Inc.
		Flash Wireless, LLC
		Flatel Wireless, Inc dba Zing PCS
		France Telecom Corporate Solutions L.L.C.
		Free Mobile, Inc.
		Globalstar USA, LLC
		Granite Telecommunications, LLC
		GreatCall, Inc. d/b/a Jitterbug
		GTE Wireless of the Midwest dba Verizon Wireless
		Halo Wireless, Inc.
		i-Wireless, LLC
		ItsOn, Inc. dba Zact
		KDDI America, Inc.
		Kentucky RSA #1 Partnership

		Kentucky RSA #3 Cellular General
		Kentucky RSA #4 Cellular General
		Lightyear Network Solutions, LLC
		Lycamobile USA, Inc.
		MCC Telephony of the South, LLC
		New Cingular Wireless PCS, LLC dba AT&T Mobility, PCS
		New Par dba Verizon Wireless
		Nextel Boost West, LLC
		Nextel West Corporation
		Nexus Communications, Inc.
		NPCR, Inc. dba Nextel Partners
		OnStar, LLC
		PNG Telecommunications, Inc. dba PowerNet Global Communications
		Powertel/Memphis, Inc. dba T-Mobile
		Puretalk Holdings, LLC
		Q Link Wireless, LLC
		Ready Wireless, LLC
		Reunion Wireless Services, LLC
		Rural Cellular Corporation
		Sage Telecom Communications, LLC
		SI Wireless, LLC
		Sprint Spectrum, L.P.
		SprintCom, Inc.
		T-Mobile Central, LLC dba T-Mobile
		TAG Mobile, LLC
		Telefonica USA, Inc.
		Tempo Telecom, LLC
		Total Call Mobile, Inc.
		Touchtone Communications, Inc.
		TracFone Wireless, Inc.
		Tri-M Communications, Inc. dba Globalinx
		True Wireless, LLC
		Truphone, Inc.
		Unity Telecom, LLC
		Virgin Mobile USA, L.P.
		WDT Wireless Telecommunications, Inc.
		WDT World Discount Telecommunications Co.
		West Virginia PCS Alliance, L.C.
		WiMacTel, Inc.
		Wizie Mobile, LLC

Crittendon County Tower sites



ASR Registration Search

Registration Search Results

Displayed Results

[PA] = Pending Application(s)

Specified Search

Latitude='**37-19-00.3 N**', Longitude='**88-04-34.3 W**', Radius=**29 Kilometers**

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
1	1002126	Constructed	A0730291	CROWN CASTLE GT COMPANY LLC	37-25-03.9N 087-47-16.5W	PROVIDENCE, KY	126.8
2	1030656	Constructed	A0384695	CROWN CASTLE GT COMPANY LLC	37-19-00.3N 088-04-34.3W	MARION, KY	90.5
3	1030657	Constructed	A0560217	CROWN CASTLE GT COMPANY LLC	37-05-16.6N 088-02-29.6W	EDDYVILLE, KY	122.5
4	1031948	Terminated	A0037894	GTE MOBILNET OF KENTUCKY INCORPORATED	37-26-51.0N 088-00-33.0W	STURGIS, KY	91.4
5	1031949	Constructed	A0848311	Cellco Partnership	37-26-51.1N 088-00-33.0W	STURGIS, KY	91.4
6	1035981	Terminated	A0042497	LONG DISTANCE MANAGEMENT	37-07-18.0N 087-52-45.0W	PRINCETON, KY	107.5
7	1039663	Constructed	A0457116	Texas Gas Transmission, LLC	37-17-07.0N 087-54-41.0W	PRINCETON, KY	62.0
8	1040638	Constructed	A0539265	Pinnacle Towers LLC	37-07-22.0N 087-52-45.5W	Princeton, KY	111.6
9	1042595	Constructed	A0050200	JOE MYERS PRODUCTIONS INC	37-20-16.0N 088-04-03.0W	MARION, KY	89.0
10	1043415	Constructed	A0796244	New Cingular Wireless PCS, LLC	37-09-17.3N 087-48-08.8W	LEWISTON, KY	80.5

CLOSE WINDOW

ASR Registration Search

Registration Search Results

Displayed Results

PA = Pending Application(s)

Specified Search

Latitude='**37-19-00.3 N**', Longitude='**88-04-34.3 W**', Radius=**29 Kilometers**

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
11	1043416	Constructed	A0796245	New Cingular Wireless PCS, LLC	37-26-08.9N 087-59-07.1W	STURGIS, KY	95.7
12	1043418	Constructed	A0796246	New Cingular Wireless PCS, LLC	37-21-50.8N 087-48-00.9W	PROVIDENCE, KY	117.3
13	1043420	Constructed	A0796248	New Cingular Wireless PCS, LLC	37-19-03.2N 088-04-31.8W	MARION, KY	82.6
14	1043421	Constructed	A0796249	New Cingular Wireless PCS, LLC	37-03-52.1N 088-09-27.3W	KUTTAWA, KY	96.0
15	1043864	Constructed	A0051603	DART INC	37-07-14.0N 087-51-31.0W	PRINCETON, KY	57.0
16	1044589	Constructed	A0052616	TILENT INC WWLK	37-04-28.0N 088-04-44.0W	EDDYVILLE, KY	74.8
17	1044590	Constructed	A0052617	TILENT INC WWLK	37-04-28.0N 088-04-47.0W	EDDYVILLE, KY	74.1
18	1044826	Constructed	A0547371	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS	37-13-05.0N 087-50-45.0W	NEEDMORE, KY	78.0
19	1065479	Constructed	A0789422	Time Warner Cable Midwest LLC	37-33-28.0N 088-00-46.9W	Sturgis, KY	55.2
20	1065833	Dismantled	A0702896	Freeland,Jim	37-04-20.0N 088-15-02.0W	LIVINGSTON CTY, KY	152.4

CLOSE WINDOW

ASR Registration Search

Registration Search Results

Displayed Results

PA = Pending Application(s)

Specified Search

Latitude='**37-19-00.3 N**', Longitude='**88-04-34.3 W**', Radius=**29 Kilometers**

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
21	1200526	Constructed	A0134737	Big Rivers Electric Corporation	37-10-49.0N 087-59-41.0W	Crider, KY	62.5
22	1201151	Constructed	A0754859	Clearview Tower Company, LLC	37-06-37.1N 087-53-31.0W	Princeton, KY	87.0
23	1201153	Constructed	A0857156	Global Tower, LLC	37-05-29.1N 088-17-17.1W	Iuka, KY	83.8
24	1204765	Constructed	A0136726	Big Rivers Electric Corporation	37-19-03.0N 088-04-29.0W	Marion, KY	50.3
25	1204986	Constructed	A0103525	LODESTAR ENERGY, INC.	37-24-51.1N 087-46-01.0W	Providence, KY	18.0
26	1205342	Granted	A0101359	River Region Propane Gas, Inc.	37-32-30.1N 087-57-30.0W	Marion, KY	9.1
27	1214171	Constructed	A0755728	Mediacom Southeast LLC	37-07-14.2N 087-52-55.1W	Princeton, KY	70.0
[illegible]	1216581	Constructed	A0820803	SpectraSite Communications, LLC. through American Towers, LLC.	37-31-52.0N 088-12-44.8W	Cave in Rock, IL	109.1
29	1221639	Constructed	A0728832	CROWN CASTLE GT COMPANY LLC	37-09-28.4N 087-47-40.8W	Princeton, KY	95.1
30	1222154	Constructed	A0834077	SBA Properties, LLC	37-03-24.5N 088-14-07.3W	GRAND RIVERS, KY	95.4

CLOSE WINDOW

ASR Registration Search

Registration Search Results

Displayed Results

PA = Pending Application(s)

Specified Search

Latitude='**37-19-00.3 N**', Longitude='**88-04-34.3 W**', Radius=**29 Kilometers**

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
31	1222209	Granted	A0164668	Providence, City of	37-24-00.1N 087-45-39.0W	Providence, KY	29.8
32	1222212	Granted	A0164674	Providence, City of	37-24-23.1N 087-45-46.0W	Providence, KY	36.8
33	1227609	Constructed	A0821069	SpectraSite Communications, LLC. through American Towers, LLC.	37-34-37.0N 087-45-02.0W	Dixon, KY	89.9
34	1231318	Constructed	A0848443	Cellco Partnership	37-14-55.1N 088-20-42.2W	Burna, KY	108.8
35	1234608	Granted	A0270248	UNION COUNTY AIRPORT BOARD	37-32-34.8N 087-57-24.3W	STURGIS, KY	11.6
36	1240993	Constructed	A0422368	DBA Ford Communications	37-07-21.1N 087-52-42.0W	Princeton, KY	54.8
37	1245081	Granted	A0393458	City of Sturgis	37-32-48.5N 087-59-06.7W	Sturgis, KY	36.9
38	1247278	Constructed	A0644806	PRINCETON,KY	37-08-08.1N 087-53-47.0W	PRINCETON, KY	79.2
39	1248684	Constructed	A0798917	New Cingular Wireless PCS, LLC	37-07-07.7N 088-20-29.0W	Smithland, KY	93.9
40	1254915	Constructed	A0573042	Southern Illinois Power Cooperative	37-30-32.3N 088-14-52.9W	Elizabethtown, IL	79.2

CLOSE WINDOW

ASR Registration Search

Registration Search Results

Displayed Results

PA = Pending Application(s)

Specified Search

Latitude='**37-19-00.3 N**', Longitude='**88-04-34.3 W**', Radius=**29 Kilometers**

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
41	1256011	Constructed	A0818991	American Towers, LLC.	37-06-41.4N 087-47-14.7W	Princeton, KY	52.1
42	1261019	Constructed	A0616619	Big Rivers Electric Corporation	37-14-15.7N 088-17-41.3W	Salem, KY	119.8
43	1271446	Constructed	A0700453	Freeland,Jim	37-06-47.2N 088-21-34.1W	Smithland, KY	98.7
44	1272322	Granted	A0660127	Princeton Electric Plant Board	37-06-51.0N 087-56-32.0W	Princeton, KY	103.6
45	1275092	Constructed	A0819692	American Towers, LLC.	37-32-59.0N 088-00-09.0W	Stugis, KY	60.7
46	1276058	Cancelled	A0698027	AT&T Mobility LLC	37-16-31.3N 088-13-54.9W	Salem, KY	82.3
47	1276270	Constructed	A0819739	American Towers, LLC.	37-16-31.3N 088-13-54.9W	Salem, KY	78.9
48	1280106	Granted	A0734807	Crittenden, County of	37-18-52.0N 088-04-51.7W	Marion, KY	42.7
	1288526	Granted	A0829546	Cellco Partnership	37-09-40.8N 088-09-52.5W	FREDONIA, KY	91.1

CLOSE WINDOW

ASR Registration Search

Registration Search Results

Displayed Results

PA = Pending Application(s)

Specified Search

Structure State = **KENTUCKY**
Structure County = **CRITTENDEN**

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
1	1030656	Constructed	A0384695	CROWN CASTLE GT COMPANY LLC	37-19-00.3N 088-04-34.3W	MARION, KY	90.5
2	1031948	Terminated	A0037894	GTE MOBILNET OF KENTUCKY INCORPORATED	37-26-51.0N 088-00-33.0W	STURGIS, KY	91.4
3	1031949	Constructed	A0848311	Cellco Partnership	37-26-51.1N 088-00-33.0W	STURGIS, KY	91.4
4	1042595	Constructed	A0050200	JOE MYERS PRODUCTIONS INC	37-20-16.0N 088-04-03.0W	MARION, KY	89.0
5	1043416	Constructed	A0796245	New Cingular Wireless PCS, LLC	37-26-08.9N 087-59-07.1W	STURGIS, KY	95.7
6	1043420	Constructed	A0796248	New Cingular Wireless PCS, LLC	37-19-03.2N 088-04-31.8W	MARION, KY	82.6
7	1204765	Constructed	A0136726	Big Rivers Electric Corporation	37-19-03.0N 088-04-29.0W	Marion, KY	50.3
8	1280106	Granted	A0734807	Crittenden, County of	37-18-52.0N 088-04-51.7W	Marion, KY	42.7
9	1288526	Granted	A0829546	Cellco Partnership	37-09-40.8N 088-09-52.5W	FREDONIA, KY	91.1

CLOSE WINDOW

EXHIBIT E
CO-LOCATION REPORT

STEVEN B. QUALLEY
ROXANNE M. QUALLEY
4000 S. Inverness Farm Road
Bloomington, IN 47401

WESTERN ACQUISITION, INC.

September 4, 2013

Pike Legal Group PLLC
Attn: Stephen C. Lentz
1578 Highway 44 East, Suite 6
PO Box 369
Shepherdsville, KY 40165-0369

RE: Verizon Wireless Dycusburg Project

Dear Mr. Lentz:

Western Acquisition, Inc. is a site acquisition vendor for Verizon Wireless. The process utilized in selecting the site for the above-referenced proposed communications facility began with the radio frequency engineers' evaluation of service/coverage requirements. VzW's engineering team then provided a search area map, based on their evaluation, designating the required location of the new facility designed to meet the service objectives and offer the best quality service to customers in the service area.

Verizon Wireless is committed to collocation and frequently locates equipment on existing towers and buildings. This practice saves time and capital compared to building a new tower. Verizon Wireless has reciprocal agreements with other wireless carriers regarding collocation and allows collocation on its towers.

Western Acquisition, Inc. conducted an exhaustive search for a suitable collocation site within the designated search area. The search ring for this project is comprised of rural properties located on the north side of the town of Dycusburg. There are no existing towers or tall structures in or near Verizon Wireless' specified search area. Once we determined there were no existing structures for collocation, we began to search for a suitable raw land site to construct a new tower. The proposed site is pasture land with only one other nearby residence.

Sincerely,

Steven B. Qualley

Phone: (812) 345-1557**********Phone: (812) 345-1558
Email: westernacquisition@earthlink.net

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-1505-OE

Issued Date: 04/11/2013

Melissa Hunt
Cellco Partnership
1120 Sanctuary Pkwy
Alpharetta, GA 30009

**** 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:	Tower EV Dycusburg
Location:	Fredonia, KY
Latitude:	37-09-40.81N NAD 83
Longitude:	88-09-52.53W
Heights:	460 feet site elevation (SE)
	299 feet above ground level (AGL)
	759 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)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

This determination expires on 10/11/2014 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-1505-OE.

Signature Control No: 184445891-187471322 (DNE)
Carole Bernacchi
Technician

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2013-ASO-1505-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

KENTUCKY AIRPORT ZONING COMMISSION
STEVEN BESHEAR
Governor
90 Airport Road, Bldg 400
Frankfort, KY 40601
www.transportation.ky.gov/aviation
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:
Cellco Partnership
Cellco Partnership
1120 Sanctuary Pkwy|#150 MCGASA5REG
Alpharetta, GA 30009

SUBJECT: AS-028-M34-2013-049

STRUCTURE:	Antenna Tower
LOCATION:	Fredonia, KY
COORDINATES:	37° 9' 40.18" N / 88° 9' 52.53" W
HEIGHT:	299' AGL/759'AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 299'AGL/ 759'AMSL Antenna Tower near Fredonia, KY 37° 9' 40.18" N / 88° 9' 52.53" W.

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

A copy of the approved application is enclosed for your files.

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

John Houlihan
Administrator

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

STEVEN BESHEAR
Governor

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:
Cellco Partnership
Cellco Partnership
1120 Sanctuary Pkwy|#150 MCGASA5REG
Alpharetta, GA 30009

SUBJECT: AS-028-M34-2013-049

STRUCTURE:	Antenna Tower
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John Houlihan
Administrator

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

STEVEN BESHEAR
Governor

CONSTRUCTION/ALTERATION STATUS REPORT

June 27, 2013

AERONAUTICIAL STUDY NUMBER: AS-028-M34–2013-049

Cellco Partnership
Cellco Partnership
1120 Sanctuary Pkwy|#150 MCGASA5REG
Alpharetta, GA 30009

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE:	Antenna Tower
LOCATION:	Fredonia, KY
COORDINATES:	37° 9' 40.18" N / 88° 9' 52.53" W
HEIGHT:	299' AGL /759'AMSL

CONSTRUCTION/ALTERATION STATUS

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:
   Structure reached its greatest height of _____ ft. AGL
   _____ ft. AMSL on _____ (date).

   Date construction was completed. _____

   Type of obstruction marking/painting. _____

   Type of obstruction lighting. _____

   As built coordinates. _____

   Miscellaneous Information. _____

   DATE _____

   SIGNATURE/TITLE _____

Kentucky UNBRIDLED SPIRIT

KENTUCKY TRANSPORTATION CABINET

KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (*name*) Cellco Partnership	**PHONE** 770-797-1128	**FAX** 770-797-1034	**KY AERONAUTICAL STUDY #** AS-028-M34-2013-049
ADDRESS (*street*) 1120 SanctuaryPkwy 150MCGASA5REG	**CITY** Alpharetta		**STATE** GA
ZIP 30009			
APPLICANT'S REPRESENTATIVE (*name*) Robert Graper	**PHONE** 770-797-1128	**FAX** 770-797-1034	
ADDRESS (*street*) 1120 Sanctuarypkwy 150MCGASA5REG	**CITY** Alpharetta		**STATE** GA
ZIP 30009			
APPLICATION FOR DURATION ☒ New Construction ☐ Alteration ☐ Existing ☒ Permanent ☐ Temporary (*months* *days*)			**WORK SCHEDULE** Start End
TYPE ☐ Crane ☐ Building ☒ Antenna Tower ☐ Power Line ☐ Water Tank ☐ Landfill ☐ Other	**MARKING/PAINTING/LIGHTING PREFERRED** ☐ Red Lights & Paint ☐ White- medium intensity ☐ White- high intensi ☒ Dual- red & medium intensity white ☐ Dual- red & high intensity white ☐ Other		
LATITUDE 37°09'4081N. "	**LONGITUDE** 88°09'52.53W. "	**DATUM** ☒ NAD83 ☐ NAD27 ☐ Other	
NEAREST KENTUCKY City Fredonia County Crittenden ✓	**NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT**		
SITE ELEVATION (AMSL, *feet*) 460	**TOTAL STRUCTURE HEIGHT** (AGL, *feet*) 299	**CURRENT** (*FAA aeronautical study* 2013ASO1505OE	
OVERALL HEIGHT (*site elevation plus total structure height, feet*) 759		**PREVIOUS** (*FAA aeronautical stud*	
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 prec*
marked and any certified survey.)
State Highway 902 West -Fredonia, KY 42411

DESCRIPTION OF PROPOSAL
Proposal for 299' AGL Communications tower.

FAA Form 7460-1 (*Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administr*
☐ No ☒ Yes, when? 04/11/2013

CERTIFICATION (*I hereby certify that all the above entries, made by me, are true, complete, and correct to the b*
my knowledge and belief.)
PENALITIES (*Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/o*
imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalt

NAME	**TITLE**	**SIGNATURE**	**DATE**
Robert Graper	MTS-Network		05/01/2013

COMMISSION ACTION
☐ Chairperson, KAZC
☒ Administrator, KAZC

☒ Approved
☐ Disapproved

SIGNATURE

DATE 6-27-13

EXHIBIT H
GEOTECHNICAL REPORT

Land Surveyors & Consulting Engineers

GEOTECHNICAL ENGINEERING STUDY

Proposed Dycusburg Tower
N37° 09' 40.807" W88° 09' 52.532"
806 State Road 902 West,
Fredonia, Crittenden County, Kentucky
Project No. 13-8422

FStan Land Surveyors &
Consulting Engineers
2540 Ridgemar Court Suite 102
Louisville, KY 40299
Phone: (502) 636-5111
Fax: (502) 636-5263

Prepared For:

Ms. Amy Harper
Cellco Partnership dba Verizon Wireless
2441 Holloway Road
Louisville, KY 40299

Date: February 25, 2012

Land Surveyors and Consulting Engineers
Formerly F.S. Land & T. Alan Neal Companies

February 25, 2013

Ms. Amy Harper
CELLCO Partnership dba Verizon Wireless
2441 Holloway Road
Louisville, Kentucky 40299

Re: Geotechnical Engineering Study
Proposed 290-foot Self-Support Tower with a 10-foot Lightning Arrestor
CELLCO Partnership dba Verizon Wireless Site Name: Dycusburg
N37° 09' 40.807" / W88° 09' 52.532"
806 State Road 902 West, Fredonia, Crittenden County, Kentucky
Project No. 13-8422

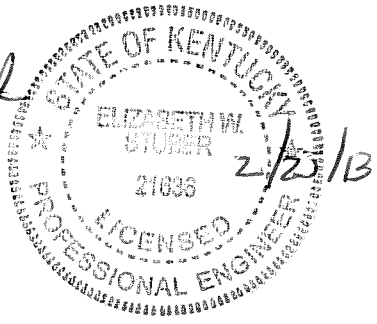
Dear Ms. Harper:

Transmitted herewith is our geotechnical engineering report for the referenced project. This report contains our findings, an engineering interpretation of these findings with respect to the available project characteristics, and recommendations to aid design and construction of the tower foundations.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact our office.

Cordially,

Elizabeth W. Stuber, P.E.
Geotechnical Engineer
Kentucky License No.: 21636



Copies submitted: (3) Ms. Amy Harper

2540 Ridgemor Court, Suite 102 PO Box 17546 Louisville, KY 40299
Phone: (502) 636-5111 (502) 635-5866 Fax: (502) 636-5263

LETTER OF TRANSMITTAL

TABLE OF CONTENTS

GEOTECHNICAL ENGINEERING INVESTIGATION

Proposed 290-foot Self-Support Tower with a 10-foot Lightning Arrestor
CELLCO Partnership dba Verizon Wireless Site Name: Dycusburg
N37° 09' 40.807" / W88° 09' 52.532"
806 State Road 902 West, Fredonia, Crittenden County, Kentucky
Project No. 13-8422

1. PURPOSE AND SCOPE

The purpose of this study was to determine the general subsurface conditions at the site of the proposed tower by drilling three soil test borings and to evaluate this data with respect to foundation concept and design for the proposed tower. Also included is an evaluation of the site with respect to potential construction problems and recommendations dealing with quality control during construction.

2. PROJECT CHARACTERISTICS

CELLCO Partnership dba Verizon Wireless is proposing to construct a 290 feet tall self-support communications tower with a 10 feet tall lightning arrestor on property owned by Dan and Nancy Weaver located at N37° 09' 40.807" / W88° 09' 52.532", 806 State Road 902 West, Fredonia, Crittenden County, Kentucky. The proposed lease area will be 100 feet x 100 feet. The site is located in a open field near the home of the property owner. The surrounding area is generally farmland. The site will be accessed from the existing driveway off State Road 902 and then a short, new access road that will run east to the lease area. The elevation of the site is approximately 460 feet msl and less than a 6 foot change in elevation across the proposed lease area.

Preliminary information provided us indicates that this project will consist of constructing a communications self-support tower about 290 feet tall with a lightning arrestor 10 feet tall. We have assumed the following structural information:

- Compression = 400 kips
- Uplift (each leg) = 250 kips
- Total shear = 45 kips

The development will also include a small equipment shelter near the base of the tower. The wall and floor loads for the shelter are assumed to be less than 4 kip/ln.ft. And 200 lbs/sq.ft., respectively.

Site Geology

The Dycusburg KY Geologic Quadrangle map indicates that the site was underlain by members of the St. Louis and Salem Limestone Formations. These formations are typically mircograined to coarse grained and contains chert fragments were weathered. These formations are known to vary in depth across short horizontal distances and is very active in the development of karst features such as widen joints and sinkholes. A significant number of depressions or sinkholes were shown mapped on the topographic map of the quadrangle. The owner should understand that there is an inhered risk of sinkhole related issues to structures built in this region.

3. SUBSURFACE CONDITIONS

The subsurface conditions were explored by drilling three test borings at the base of the proposed tower that was staked in the field by the project surveyor. The Geotechnical Soil Test Boring Logs, which are included in the Appendix, describes the materials and conditions encountered. A sheet defining the terms and symbols used on the boring log is also included in the Appendix. The general subsurface conditions disclosed by the test borings are discussed in the following paragraphs.

Little to no topsoil was encountered at the existing ground surface. The borings encountered medium to high plasticity clay (CH) from the surface the scheduled termination depths from 40 and 15 feet. The SPT N-values in the clay soils ranged from 21 to 56 blows per foot (bpf) indicating a very stiff to hard consistency in part because of all the chert and limestone fragments encountered.

Observations made at the completion of drilling operations indicated the boring to be dry. It must be noted, however, that short-term water readings in test borings are not necessarily a reliable

indication of the actual groundwater level. Furthermore, it must be emphasized that the groundwater level is not stationary, but will fluctuate seasonally.

Based on the limited subsurface conditions encountered at the site and using Table 1615.1.1 of the 2002 Kentucky Building Code, the site class is considered " C". Seismic design requirements for telecommunication towers are given in section 1622 of the code. A detailed seismic study was beyond the scope of this report.

4. FOUNDATION DESIGN RECOMMENDATIONS

The following design recommendations are based on the previously described project information, the subsurface conditions encountered in our borings, the results of our laboratory testing, empirical correlations for the soil types encountered, our analyses, and our experience. If there is any change in the project criteria or structure location, you should retain us to review our recommendations so that we can determine if any modifications are required. The findings of such a review can then be presented in a supplemental report or addendum.

We recommend FStan be retained to review the near-final project plans and specifications, pertaining to the geotechnical aspects of the project, prior to bidding and construction. We recommend this review to check that our assumptions and evaluations are appropriate based on the current project information provided to us, and to check that our foundation and earthwork recommendations were properly interpreted and implemented.

4.1 Tower

Our findings indicate that the proposed self-support tower can be supported on a drilled pier or on a common mat foundation. A drilled pier supported mainly by side friction is strongly preferred due to the significant karst activity taking place at or very near the site.

4.1.1. Drilled Piers

A drilled pier that bear in the clay below a depth of about 5 feet can be designed for a net allowable end bearing pressure of 8,000 pounds per square foot (psf). The following table summarizes the

recommended values for use in analyzing lateral and frictional resistance for the various strata encountered at the test boring. It is important to note that these values are estimated based on the standard penetration test results and soil types, and were not directly measured. The values provided for undrained shear strength and total unit weight are ultimate values and appropriate factors of safety should be used in conjunction with these values. If the pier will bear deeper than about 40 feet, a deeper boring should be drilled to determine the nature of the deeper material.

Depth Below Ground Surface, feet	Undrained Shear Strength, psf	Angle of Internal Friction, Ø, degrees	Total Unit Weight, pcf	Allowable Passive Soil Pressure, psf/one foot of depth	Allowable Side Friction, psf
0 – 5	1,000	0	120	750 + 40D	0
5 – 40	4,000	0	120	2,000 + 40(D-5)	1000

Note: D = Depth below ground surface (in feet) to point at which the passive pressure is calculated.

It is important that the drilled pier be installed by an experienced, competent drilled pier contractor who will be responsible for properly installing the piers in accordance with industry standards and generally accepted methods, without causing deterioration of the subgrade. The recommendations contained herein relate only to the soil-pier interaction and do not account for the structural design of the pier.

4.1.2. Mat Foundation

As an alternative, the tower could be supported on a common mat foundation bearing at a depth of at least 3.5 feet in the hard clay. A net allowable bearing pressure of up to 5,000 pounds per square foot may be used. This value may be increased by 30 percent for the maximum edge pressure under transient loads. A friction value of 0.30 may be used between the concrete and the underlying clay. The passive pressures given for the drilled pier foundation may be used to resist lateral forces.
It is important that the mat be designed with an adequate factor of safety with regard to overturning under the maximum design wind load.

4.2. Equipment Building

The equipment building may be supported on shallow spread footings bearing in the shallow clayey silt and designed for a net allowable soil pressure of 3,000 pounds per square foot. The footings should be at least ten inches wide. If the footings bear on soil they should bear at a depth of at least 30 inches to minimize the effects of frost action. All existing topsoil or soft natural soil should be removed beneath footings.

The floor slab for the new equipment building may be subgrade supported on a properly prepared subgrade. The slab should be designed and adequately reinforced to resist the loads proposed. The exposed subgrade should be carefully inspected by probing and testing as needed. Any organic material still in place, frozen or excessively soft soil and other undesirable materials should be removed.

Once the subgrade has been properly prepared and evaluated, fill may be placed to attain the desired final grade. Any non-organic, naturally occurring, non-expansive soils can be used for structural fill, including those encountered on this site, pending evaluation by the geotechnical engineer.

All engineered fill should be compacted to a dry density of at least 98 percent of the standard Proctor maximum dry density (ASTM D698). The compaction should be accomplished by placing the fill in about eight inch loose lifts and mechanically compacting each lift to at least the specified density. Field tests should be performed on each lift as necessary to insure that adequate compaction is being achieved.

4.3. Drainage and Groundwater Considerations

Good site drainage must be provided. Surface run-off water should be drained away from the shelter building and not allowed to pond. It is recommended that all foundation concrete be placed the same day the excavation is made.

At the time of this investigation, groundwater was not encountered. Therefore, no special provisions regarding groundwater control are considered necessary for the proposed structures.

5. GENERAL CONSTRUCTION PROCEDURES AND RECOMMENDATIONS

It is possible that variations in subsurface conditions will be encountered during construction. Although only minor variations that can be readily evaluated and adjusted for during construction are anticipated, it is recommended the geotechnical engineer or a qualified representative be retained to perform continuous inspection and review during construction of the soils-related phases of the work. This will permit correlation between the test boring data and the actual soil conditions encountered during construction.

5.1 Foundation Excavation Inspection

5.1.1 Drilled Piers

The following recommendations are recommended for drilled pier construction:

- Clean the foundation bearing area so it is nearly level or suitably benched and is free of ponded water or loose material.

- Provide a minimum drilled shaft diameter of 36 inches to reasonably enter the drilled shaft excavation for cleaning, bottom preparation and inspection.

- Make provisions for ground water removal from the drilled shaft excavation. While the borings were dry prior to rock coring and significant seepage is not anticipated, the drilled pier contractor should have pumps on hand to remove water in the event seepage into the drilled pier is encountered.

- Specify concrete slumps ranging from 4 to 7 inches for the drilled shaft construction. These slumps are recommended to fill irregularities along the sides and bottom of the drilled hole, displace water as it is placed, and permit placement of reinforcing cages into the fluid concrete.

- Retain the geotechnical engineer to observe foundation excavations after the bottom of the hole is leveled, cleaned of any mud or extraneous material, and dewatered.

- Install a temporary protective steel casing to prevent side wall collapse, prevent excessive mud and water intrusion, and to allow workers to safely enter, clean and inspect the drilled shaft.

- Inspect the drilled shaft excavation after the bottom of the hole is leveled, cleaned of any mud or extraneous material, and dewatered.

- Clean the socket "face" prior to concrete placements. Cleaning will require hand cleaning or washing if a mud smear forms on the face of the rock. The geotechnical engineer should approve the rock socket surface prior to concrete placement.

- The protective steel casing may be extracted as the concrete is placed provided a sufficient head of concrete is maintained inside the steel casing to prevent soil or water intrusion into the newly placed concrete.

- Direct the concrete placement into the drilled hole through a centering chute to reduce side flow or segregation.

5.2 Fill Compaction

All engineered fill placed adjacent to and above the tower foundation should be compacted to a dry density of at least 95 percent of the standard Proctor maximum dry density (ASTM D-698). This minimum compaction requirement should be increased to 98 percent for any fill placed below the tower foundation bearing elevation. Any fill placed beneath the tower foundation should be limited to well-graded sand and gravel or crushed stone. The compaction should be accomplished by placing the fill in about 8 inch (or less) loose lifts and mechanically compacting each lift to at least the specified minimum dry density. Field density tests should be performed on each lift as necessary to insure that adequate moisture conditioning and compaction is being achieved.

Compaction by flooding is not considered acceptable. This method will generally not achieve the desired compaction and the large quantities of water will tend to soften the foundation soils.

5.3 Construction Dewatering

No serious dewatering problems are anticipated. At the time of our investigation, the ground water level appeared to be below the anticipated excavation depths. However, depending upon seasonal conditions, some minor seepage into excavations may be experienced. It is anticipated that any such seepage can be handled by conventional dewatering methods such as pumping from sumps. Dewatering of drilled pier excavations that extend below the groundwater level may be more difficult since pumping directly from the excavations could cause a deterioration of the bottom of the excavation. If the pier excavations are not dewatered, concrete should be placed by the tremie method.

6. FIELD INVESTIGATION

Three soil test borings were drilled based at the tower center location established in the field by the project surveyor. Split-spoon samples were obtained by the Standard Penetration Test (SPT) procedure (ASTM D1586) in all test borings. The borings were terminated at the scheduled depths of 15 and 40 feet below the existing ground surface. The split-spoon samples were inspected and visually classified by a geotechnical engineer. Representative portions of the soil samples were sealed in glass jars and returned to our laboratory.

7. WARRANTY AND LIMITATIONS OF STUDY

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either express or implied. FStan is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

A geotechnical study is inherently limited since the engineering recommendations are developed from information obtained from test borings, which depict subsurface conditions only at the specific locations, times and depths shown on the log. Soil conditions at other locations may differ from those encountered in the test borings, and the passage of time may cause the soil conditions to change from those described in this report.

The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or a representative is therefore considered necessary to verify the subsurface conditions and to check that the soils connected construction phases are properly completed. If significant variations or changes are in evidence, it may then be necessary to reevaluate the recommendations of this report. Furthermore, if the project characteristics are altered significantly from those discussed in this report, if the project information contained in this report is incorrect, or if additional information becomes available, a review must be made by this office to determine if any modification in the recommendations will be required.

APPENDIX

GEOTECHNICAL BORING LOG

SOIL SAMPLE CLASSIFICATION

F.S. Tan Land Consulting Engineers
P.O. Box 17546
Louisville, KY 40217
502-636-5111
502-636-5263

Geotechnical Boring Log

Boring No: **B-1**

Client: Cellco Partnership dba Verizon Wireless	Project Number: 12-8422
Project: Proposed Dycusburg Tower	Drilling Firm: Hoosier Drilling
Location: N37° 09' 40.807" / W88° 09' 52.532"	Project Manager: Beth Stuber
Date Started: 2/14/2013	Total Depth of Boring: 40 ft
Date Completed: 2/14/2013	NA on rods
Boring Method: HSA-Auto Hammer	DRY at completion
Surface Elevation: NA	NA NA hours after completion

Layer Depth ft	Legend	Material Description	Depth Scale ft	Sample Data No.	Type	Blows	Rec. %	PP tsf	W %	Remarks
		CLAY (CH) - very stiff to hard, brown-tan mottled		1	SS	9-11-10	100			
				2	SS	20-32-20	100			
		- reddish brown with chert and limestone fragments	5	3	SS	20-19-30	100			
				4	SS	9-12-15	67			
			10							
				5	SS	12-13-18	33			
			15							
				6	SS	5-9-30	67			
			20							
				7	SS	12-15-19	33			
			25							
				8	SS	20-32-15	100			
			30							
				9	SS	17-18-21	100			
			35							
				10	SS	18-22-34	100			
40.0		Bottom of Boring at 40 ft	40							

GEOTECHNICAL BORING LOG 13-8422.GPJ FSTAN.GDT 2/25/13

F.S. Tan Land Consulting Engineers
P.O. Box 17546
Louisville, KY 40217
502-636-5111
502-636-5263

Geotechnical Boring Log

Boring No: **B-2**

Client: Cellco Partnership dba Verizon Wireless	Project Number: 12-8422
Project: Proposed Dycusburg Tower	Drilling Firm: Hoosier Drilling
Location: N37° 09' 40.807" / W88° 09' 52.532"	Project Manager: Beth Stuber
Date Started: 2/14/2013	Total Depth of Boring: 15 ft
Date Completed: 2/14/2013	NA on rods
Boring Method: HSA-Auto Hammer	DRY at completion
Surface Elevation: NA	NA NA hours after completion

Layer Depth ft	Legend	Material Description	Depth Scale ft	Sample Data No.	Type	Blows	Rec. %	PP tsf	W %	Remarks
		CLAY (CH) - very stiff to hard, brown-tan mottled		1	SS	11-12-15	100			
				2	SS	6-25-28	89			
		- reddish brown with chert and limestone fragments	5	3	SS	18-25-31	100			
				4	SS	10-15-28	89			
			10							
				5	SS	17-50	61			
15.0		Bottom of Boring at 15 ft	15							
			20							
			25							
			30							
			35							
			40							

GEOTECHNICAL BORING LOG 13-8422.GPJ FSTAN.GDT 2/25/13

F.S. Tan Land Consulting Engineers
P.O. Box 17546
Louisville, KY 40217
502-636-5111
502-636-5263

Geotechnical Boring Log

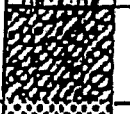
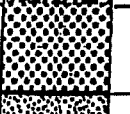
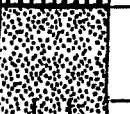
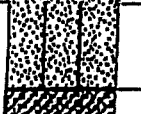
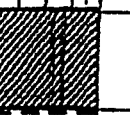
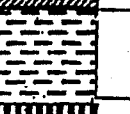
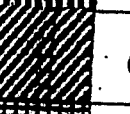
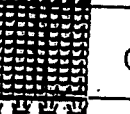
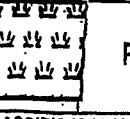
Boring No: **B-3**

Client: Cellco Partnership dba Verizon Wireless	Project Number: 12-8422
Project: Proposed Dycusburg Tower	Drilling Firm: Hoosier Drilling
Location: N37° 09' 40.807" / W88° 09' 52.532"	Project Manager: Beth Stuber
Date Started: 2/14/2013	Total Depth of Boring: 15 ft
Date Completed: 2/14/2013	NA on rods
Boring Method: HSA-Auto Hammer	DRY at completion
Surface Elevation: NA	NA NA hours after completion

Layer Depth ft	Legend	Material Description	Depth Scale ft	Sample Data No.	Type	Blows	Rec. %	PP tsf	W %	Remarks
		CLAY (CH) - very stiff to hard, brown-tan mottled		1	SS	10-11-11	89			
				2	SS	14-22-26	100			
		- reddish brown with chert and limestone fragments		3	SS	23-25-28	67			
				4	SS	15-22-27	67			
				5	SS	16-17-24	100			
15.0		Bottom of Boring at 15 ft								

GEOTECHNICAL BORING LOG 13-8422.GPJ FSTAN.GDT 2/25/13

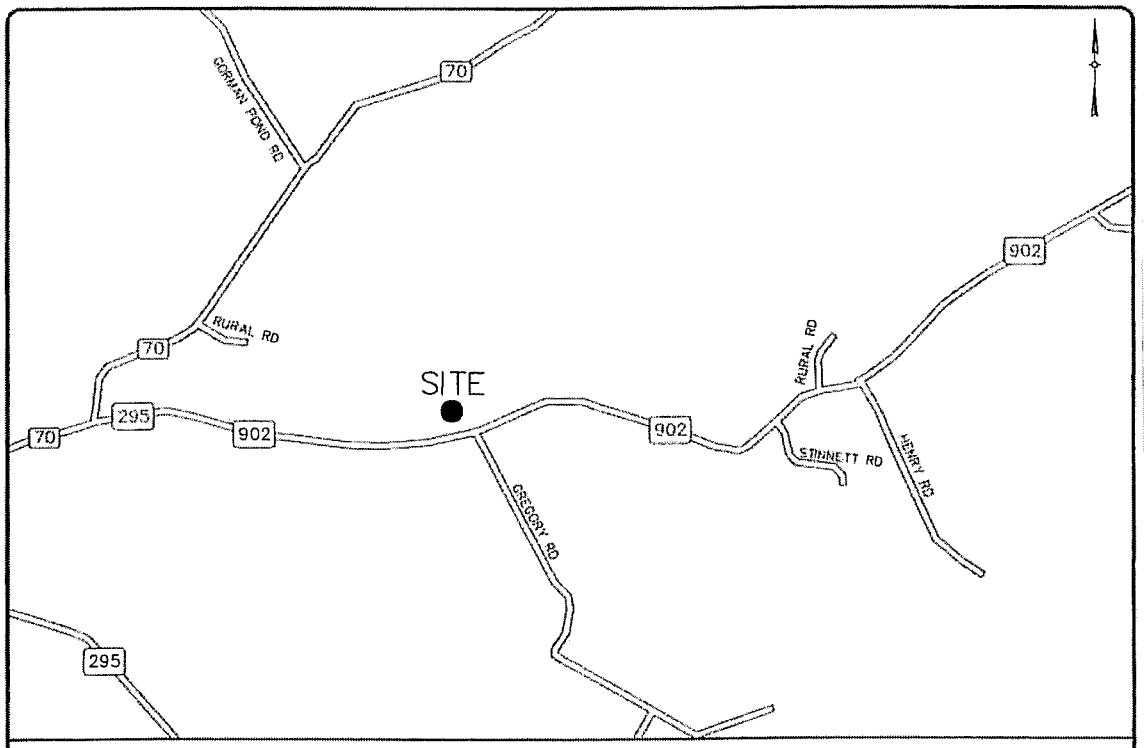
SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS — MORE THN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS — MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NOT FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLEOR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL – SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL – SAND – SILT MIXTURES
	SAND AND SANDY SOILS — MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY – GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND – SILT MIXTURES
				SC	CLAYEY SANDS, SAND – SLAY MIXTURES
FINE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS — LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
				OL	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
	SILTS AND CLAYS — LIQUID LIMIT GREATER THAN 50			MH	INORGANIC CLAYS OF PLASTICITY
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

EXHIBIT I
DIRECTIONS TO WCF SITE

DIRECTIONS TO SITE



VICINITY MAP SCALE: NONE

DIRECTIONS FROM COUNTY SEAT: STARTING IN MARION AT THE CORNER OF US 60 (GUM ST) AND US 641/SR 91 (MAIN ST), PROCEED SOUTH ON US 641/SR 91 (MAIN ST) APRX 9.0 MILES TO SR 902 AND TURN RIGHT. CONTINUE ON SR 902 APRX 7.50 MILES TO SITE ON RIGHT.

DIRECTIONS FROM CHANDLER, IN, VERIZON WIRELESS MTSO: STARTING AT 800 RUSSELL RD (CR 675 W) PROCEED NORTH TO GARDNER RD (CR 50 S) TURN LEFT. FOLLOW GARDNER RD (CS 50 S) TO SR 62 (MORGAN AVE) TURN LEFT. FOLLOW SR 62 (MORGAN AVE) TO I-164 SOUTH APRX 3.0 MILES TURN RIGHT CONTINUE ON I-164 SOUTH APRX 8.7 MILES TO EXIT 8B (US 41 SOUTH) TURN RIGHT. FOLLOW US 41 SOUTH APRX 7.0 MILES TO PENNYRILE PKWY CONTINUE ON PENNYRILE PKWY APRX 46.4 MILES TO EXIT 34 (WESTERN KY PKWY) TURN RIGHT. PROCEED ON WESTERN KY PKWY APRX 34.0 MILES TO EXIT 4 (US 62/EDDYVILLE) AND TURN RIGHT. CONTINUE ON US 62 APRX 4.0 MILES TO SR 395 (DYCUSBURG RD) AND TURN RIGHT PROCEED ON SR 395 (DYCUSBURG RD) APRX 5.50 MILES TO SR 70 AND TURN RIGHT CONTINUE ON SR 70 APRX .50 OF A MILE TO SR 295/902 (FREDONIA RD/FREDONIA QUARRY RD) AND TURN RIGHT FOLLOW SR 295/902 (FREDONIA RD/FREDONIA QUARRY RD) APRX .75 OF A MILE TO SITE ON LEFT.

DIRECTIONS TO SITE

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

EXHIBIT J
COPY OF REAL ESTATE AGREEMENT

SITE NAME: Dycusburg
SITE NUMBER:
ATTY/DATE: PLG/3-5-2012

LAND LEASE AGREEMENT

This Agreement, made this 6 day of May, 2013 between Dan Weaver and Nancy Weaver, having an address of 806 State Road 902 West, Fredonia, Kentucky 42411, hereinafter designated LESSOR and Cellco Partnership d/b/a Verizon Wireless, with its principal office located at One Verizon Way, Mail Stop 4AW100, Basking Ridge, New Jersey 07920 (telephone number 866-862-4404), hereinafter designated LESSEE. The LESSOR and LESSEE are at times collectively referred to hereinafter as the "Parties" or individually as the "Party".

1. PREMISES. LESSOR hereby leases to LESSEE a portion of that certain parcel of property (the entirety of LESSOR's property is referred to hereinafter as the Property), located at 806 State Road 902 West, Fredonia, Kentucky 42411 (Crittenden County), and being described as a 100 ' by 100' parcel containing 10,000 square feet (the "Land Space"), together with the non-exclusive right (the "Rights of Way") for ingress and egress, seven (7) days a week twenty-four (24) hours a day, on foot or motor vehicle, including trucks over or along a thirty (30') foot wide right-of-way extending from the nearest public right-of-way, 806 State Road 902, to the Land Space, and for the installation and maintenance of utility wires, poles, cables, conduits, and pipes over, under, or along one or more rights of way from the Land Space, said Land Space and Rights of Way (hereinafter collectively referred to as the "Premises") being more specifically described herein in Exhibit "A" attached hereto and made a part hereof. The Property is also shown as Tax Parcel Number 038-00-00-024.00 per the records of the Crittenden County Property Valuation Administrator, and is further described in Deed Book 190 at Page 540 as recorded in the Office of the Crittenden County Clerk.

In the event any public utility is unable to use the Rights of Way, the LESSOR hereby agrees to grant an additional right-of-way either to the LESSEE or to the public utility at no cost to the LESSEE.

2. SURVEY. LESSOR also hereby grants to LESSEE the right to survey the Property and the Premises. Cost for such work shall be borne by the LESSEE.

3. TERM; RENTAL.

a. This Agreement shall be effective as of the date of execution by both Parties, provided, however, the initial term shall be for five (5) years and shall commence on the Commencement Date (as hereinafter defined) at which time rental payments shall commence and [redacted] or to such other person, firm or place as LESSOR may, from time to time, designate in writing at least thirty (30) days in advance of any rental payment date by notice given in accordance with Paragraph 23 below. The Agreement shall commence based upon the date LESSEE commences installation of the equipment on the Premises. In the event the date

[Lease Agreement Pages 2-5 Redacted]

possession of the Property will be permitted to install only such equipment that is of the type and frequency which will not cause harmful interference which is measurable in accordance with then existing industry standards to the then existing equipment of LESSEE. The Parties acknowledge that there will not be an adequate remedy at law for noncompliance with the provisions of this Paragraph and therefore, either Party shall have the right to equitable remedies, such as, without limitation, injunctive relief and specific performance.

14. REMOVAL AT END OF TERM. LESSEE shall, upon expiration of the Term, or within ninety (90) days after any earlier termination of the Agreement, remove its building(s), antenna structure(s) (except footings), equipment, conduits, fixtures and all personal property and restore the Premises to its original condition, reasonable wear and tear and casualty damage excepted. LESSOR agrees and acknowledges that all of the equipment, conduits, fixtures and personal property of LESSEE shall remain the personal property of LESSEE and LESSEE shall have the right to remove the same at any time during the Term, whether or not said items are considered fixtures and attachments to real property under applicable Laws (as defined in Paragraph 33 below). If such time for removal causes LESSEE to remain on the Premises after termination of this Agreement, LESSEE shall pay rent at the then existing monthly rate or on the existing monthly pro-rata basis if based upon a longer payment term, until such time as the removal of the building, antenna structure, fixtures and all personal property are completed.

15. HOLDOVER. LESSEE has no right to retain possession of the Premises or any part thereof beyond the expiration of that removal period set forth in Paragraph 14 herein, unless the Parties are negotiating a new lease or lease extension in good faith. In the event that the Parties are not in the process of negotiating a new lease or lease extension in good faith, LESSEE holds over in violation of Paragraph 14 and this Paragraph 15, then the rent then in effect payable from and after the time of the expiration or earlier removal period set forth in Paragraph 14 shall equal to the rent applicable during the month immediately preceding such expiration or earlier termination.

16. RIGHT OF FIRST REFUSAL. If LESSOR elects, during the Term (i) to sell or otherwise transfer all or any portion of the Property, whether separately or as part of a larger parcel of which the Property is a part, or (ii) to grant to a third party by easement or other legal instrument an interest in and to that portion of the Property occupied by LESSEE, or a larger portion thereof, for the purpose of operating and maintaining communications facilities or the management thereof, with or without an assignment of this Agreement to such third party, LESSEE shall have the right of first refusal to meet any bona fide offer of sale or transfer on the same terms and conditions of such offer. If LESSEE fails to meet such bona fide offer within thirty (30) days after written notice thereof from LESSOR, LESSOR may sell or grant the easement or interest in the Property or portion thereof to such third person in accordance with the terms and conditions of such third party offer. For purposes of this Paragraph, any transfer, bequest or devise of LESSOR's interest in the Property as a result of the death of LESSOR, whether by will or intestate succession, or any conveyance to LESSOR's family members by direct conveyance or by conveyance to a trust for the benefit of family members shall not be considered a sale of the Property for which LESSEE has any right of first refusal.

[Lease Agreement Pages 7-12 Redacted]

IN WITNESS WHEREOF, the Parties hereto have set their hands and affixed their respective seals the day and year first above written.

LESSOR:

WITNESS

Printed Name: Matthew Schalk

Dan Weaver
Dan Weaver

Date: 3-18-2013

WITNESS

Printed Name: 2/28/2015

Nancy Weaver
Nancy Weaver

Date: 3-18-2013

LESSEE:

Cellco Partnership d/b/a Verizon Wireless

By:
Lynn Ramsey
Area Vice President Network

WITNESS

Date: 5/6/13

Exhibit "A"

(Description of Premises)

LEGAL DESCRIPTIONS

THIS IS THE DESCRIPTION FOR CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS, FOR AN AREA TO BE LEASED FROM A TRACT OF LAND CONVEYED TO DAN AND NANCY WEAVER BY DEED OF RECORD IN DEED BOOK 190, PAGE 540 IN THE OFFICE OF THE COUNTY CLERK OF CRITTENDEN COUNTY, KENTUCKY AND FURTHER DESCRIBED AS FOLLOWS:

DESCRIPTION OF PROPOSED LEASE AREA AND EASEMENT

NOTE: ALL BEARINGS AND DISTANCES ARE BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD 1983.

COMMENCING AT A FOUND #4 REBAR WITH CAP STAMPED "MAY #878" AT THE NORTHWEST CORNER OF A TRACT OF LAND CONVEYED TO MARGARET P. HEIDEMAN TRUST BY DEED OF RECORD IN DEED BOOK 178, PAGE 728 IN THE OFFICE OF THE CLERK OF CRITTENDEN COUNTY, KENTUCKY; SAID POINT OF COMMENCEMENT ALSO BEING N28°19'00"W, 150.01 FEET FROM THE NORTH RIGHT OF WAY LINE OF STATE ROAD 902; THENCE S67°12'09"W, 338.90 FEET TO A SET #5 REBAR WITH CAP STAMPED "TODD LOPP #3917" (HEREAFTER REFERRED TO AS SET REBAR) AT THE POINT OF BEGINNING; THENCE WITH THE PROPOSED LEASE AREA THE NEXT FOUR CALLS, S75°18'36"W, 100.00 FEET TO A SET REBAR; THENCE N14°41'24"W, 100.00 FEET TO A SET REBAR; THENCE N75°18'36"E, 100.00 FEET TO A SET REBAR; THENCE S14°41'24"E, 100.00 FEET TO THE POINT OF BEGINNING AND CONTAINING 10,000 SQUARE FEET.

ALSO, A 30 FOOT WIDE EASEMENT FOR THE RIGHT TO USE FOR ACCESS AND UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, SAID EASEMENT BEING DESCRIBED AS FOLLOWS: COMMENCING AT A FOUND #4 REBAR WITH CAP STAMPED "MAY #878" AT THE NORTHWEST CORNER OF A TRACT OF LAND CONVEYED TO MARGARET P. HEIDEMAN TRUST BY DEED OF RECORD IN DEED BOOK 178, PAGE 728 IN THE OFFICE OF THE CLERK OF CRITTENDEN COUNTY, KENTUCKY; SAID POINT OF COMMENCEMENT ALSO BEING N28°19'00"W, 150.01 FEET FROM THE NORTH RIGHT OF WAY LINE OF STATE ROAD 902. THENCE S67°12'09"W, 338.90 FEET TO THE POINT OF BEGINNING, THENCE WITH THE PROPOSED 30 FOOT WIDE ACCESS AND UTILITY EASEMENT THE NEXT TEN CALLS, S14°41'24"E, 30.00 FEET; THENCE S60°34'36"W, 127.73 FEET; THENCE S75°51'49"W, 83.88 FEET; THENCE S19°49'07"E, 41.31 FEET; THENCE S80°25'00"W, 30.49 FEET; THENCE N19°49'07"W, 69.03 FEET; THENCE N75°51'49"E, 112.98 FEET; THENCE N60°34'36"E, 28.19 FEET; THENCE N14°41'24"W, 25.28 FEET TO THE POINT OF BEGINNING AS SHOWN ON A COMMUNICATIONS SITE SURVEY BY TODD C. LOPP, PLS 3917 OF BTM ENGINEERING, INC, DATED DECEMBER, 2012, PROJECT NO. "VERIZON-DYCUSBURG".

LEGEND

- LEASE LINE
- PROPERTY LINE
- OHU — OVERHEAD UTILITIES
- FENCE LINE
- UTILITY POLE
- GUY WIRE
- TP — TELEPHONE PEDESTAL
- WM — WATER METER
- SET #5 REBAR WITH CAP STAMPED "TODD LOPP #3917" UNLESS OTHERWISE NOTED
- FOUND #4 REBAR WITH CAP STAMPED "MAY #878" UNLESS OTHERWISE NOTED
- POC — POINT OF COMMENCEMENT
- POB — POINT OF BEGINNING
- CMP — CORRUGATED METAL PIPE
- TREE

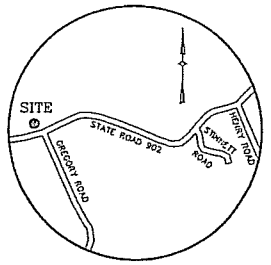
GRID NORTH

GEODETIC NORTH

-01°27'52" MAPPING ANGLE

GRID NORTH BY G.P.S. OBSERVATION, ±10 SECONDS

NORTH IS BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 1983) AND WAS DETERMINED BY COMPUTATION FROM G.P.S OBSERVATION ON DECEMBER 5, 2012.



LOCATION MAP
FREDONIA, CRITTENDEN CO., KY
NOT TO SCALE

REDUCED COPY

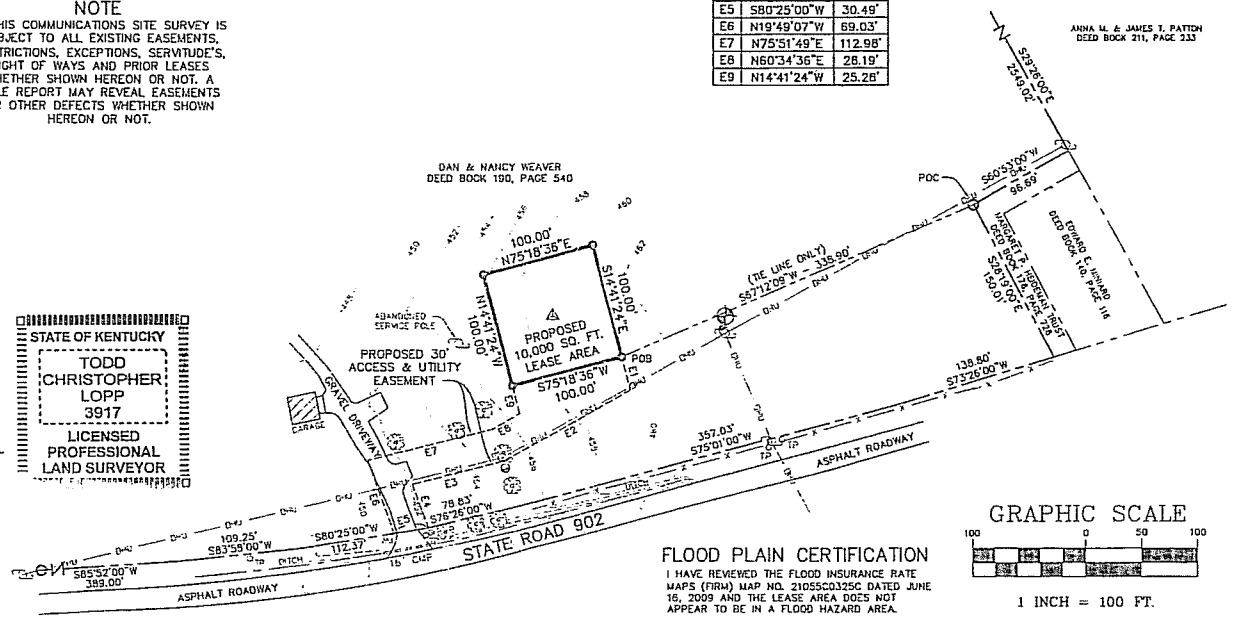
BENCHMARK
NORTH: 1950871.15
EAST: 937034.94
ELEVATION: 464.13 (NAVD 88)
LOCATION: #5 REBAR WITH CAP "BTM TRAVERSE"

COORDINATE POINT LOCATION
PROPOSED TOWER CENTERLINE
NAD 1983
LATITUDE: 37°09'40.807"N
LONGITUDE: 88°09'52.532"W
ELEVATION: 459.16 (NAVD 88)
STATE PLANE COORDINATE
NORTHING: 1950871.41
EASTING: 935981.78

NOTE

1. THIS COMMUNICATIONS SITE SURVEY IS SUBJECT TO ALL EXISTING EASEMENTS, RESTRICTIONS, EXCEPTIONS, SERVITUDE'S, RIGHT OF WAYS AND PRIOR LEASES WHETHER SHOWN HEREON OR NOT. A TITLE REPORT MAY REVEAL EASEMENTS OR OTHER DEFECTS WHETHER SHOWN HEREON OR NOT.

EASEMENT LINE CHART		
E1	S14°41'24"E	30.00'
E2	S60°34'36"W	127.73'
E3	S75°51'49"W	83.88'
E4	S19°49'07"E	41.31'
E5	S80°25'00"W	30.49'
E6	N19°49'07"W	69.03'
E7	N75°51'49"E	112.98'
E8	N60°34'36"E	28.19'
E9	N14°41'24"W	25.28'



LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS COMMUNICATIONS SITE SURVEY WAS MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY AND IS NOT INTENDED FOR LAND TRANSFER.

TODD C. LOPP, PLS 3917 — DATE 12-17-12

STATE OF KENTUCKY
TODD CHRISTOPHER LOPP 3917
LICENSED PROFESSIONAL LAND SURVEYOR

OWNER APPROVAL: _____ DATE _____

OWNER APPROVAL: _____ DATE _____

CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS APPROVAL: _____ DATE _____

FLOOD PLAIN CERTIFICATION

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 21055C0325C DATED JUNE 16, 2009 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD HAZARD AREA.

GRAPHIC SCALE

100 0 50 100

1 INCH = 100 FT.

REDUCED COPY

CELLCO PARTNERSHIP
D/B/A
verizon wireless
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
PHONE (502) 552-0330
FAX (502) 285-7348

BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DR
LOUISVILLE, KENTUCKY 40220
PHONE (502) 459-8402
FAX (502) 459-8427

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER 806 STATE ROAD 902 WEST FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
LONGITUDE: 88° 09' 52.532"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	12/17/12

TITLE: COMMUNICATIONS SITE SURVEY

SHEET: C-2

EXHIBIT K
NOTIFICATION LISTING

Dycusburg Landowner Notice

Anna & Jimmy Patton
PO Box 177
1110 State Road 902
Fredonia, KY 42411

Bobby S. & Karen Stinnett
Dennis & Martha Stinnett
110 Circle Drive
Marion, KY 42064

Joseph P. McGuckin
PO Box 26
Dycusburg, KY 42037

William & Betty M. McClure Trust 2009
25291 Schuck Road
Washington, IL 61571

Gary Justin & Brodi Sutton
1126 State Road 855 South
Marion, KY 42064

Edward E. & Aretta Miniard
875 State Road 902
Fredonia, KY 42411

Joan M. Hughes
819 State Road 902
Fredonia, KY 42411

Edward E. Miniard
875 State Road 902
Fredonia, KY 42411

Margaret P. Heideman Trustee
c/o Edward Miniard
875 State Road 902
Fredonia, KY 42411

Dan & Nancy Weaver
806 State Road 902 West
Fredonia, KY 42411

EXHIBIT L
COPY OF PROPERTY OWNER NOTIFICATION

PIKE
LEGAL

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: Dycusburg

Dear Landowner:

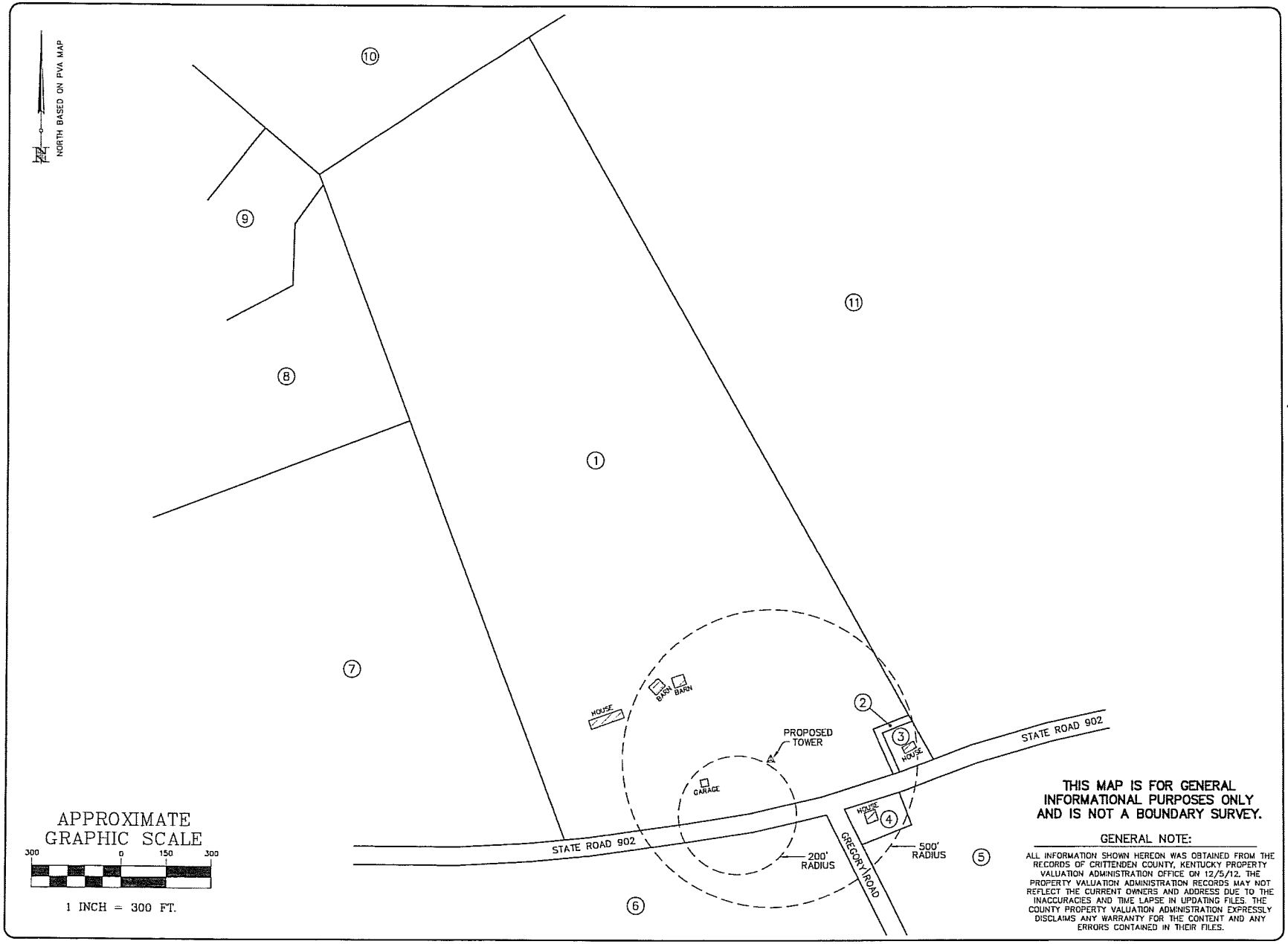
Cellco Partnership d/b/a Verizon Wireless has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 806 State Road 902 West, Fredonia, KY 42411 (37°09'40.807" North latitude, 88°09'52.532" West longitude). The proposed facility will include a 290-foot tall antenna tower, plus a 9-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 Crittenden County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2013-00351 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless'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 Cellco Partnership d/b/a Verizon Wireless

enclosure



APPROXIMATE GRAPHIC SCALE

300 0 150 300

1 INCH = 300 FT.

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

GENERAL NOTE:

ALL INFORMATION SHOWN HEREON WAS OBTAINED FROM THE RECORDS OF CRITTENDEN COUNTY, KENTUCKY PROPERTY VALUATION ADMINISTRATION OFFICE ON 12/5/12. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESS DUE TO THE INACCURACIES AND TIME LAPSE IN UPDATING FILES. THE COUNTY PROPERTY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANY ERRORS CONTAINED IN THEIR FILES.

CELLCO PARTNERSHIP D/B/A verizon wireless
2441 HOLLOWAY RD
LOUISVILLE, KY 40299
PHONE (502) 552-0330
FAX (502) 265-7548

BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DR
LOUISVILLE, KENTUCKY 40220
PHONE (502) 459-8402
FAX (502) 459-8427

STATE OF KENTUCKY
TODD CHRISTOPHER LOPP
3917
LICENSED PROFESSIONAL LAND SURVEYOR

Todd Lopp 12-17-12

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER 806 STATE ROAD 902 WEST FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
LONGITUDE: 88° 09' 52.532"W

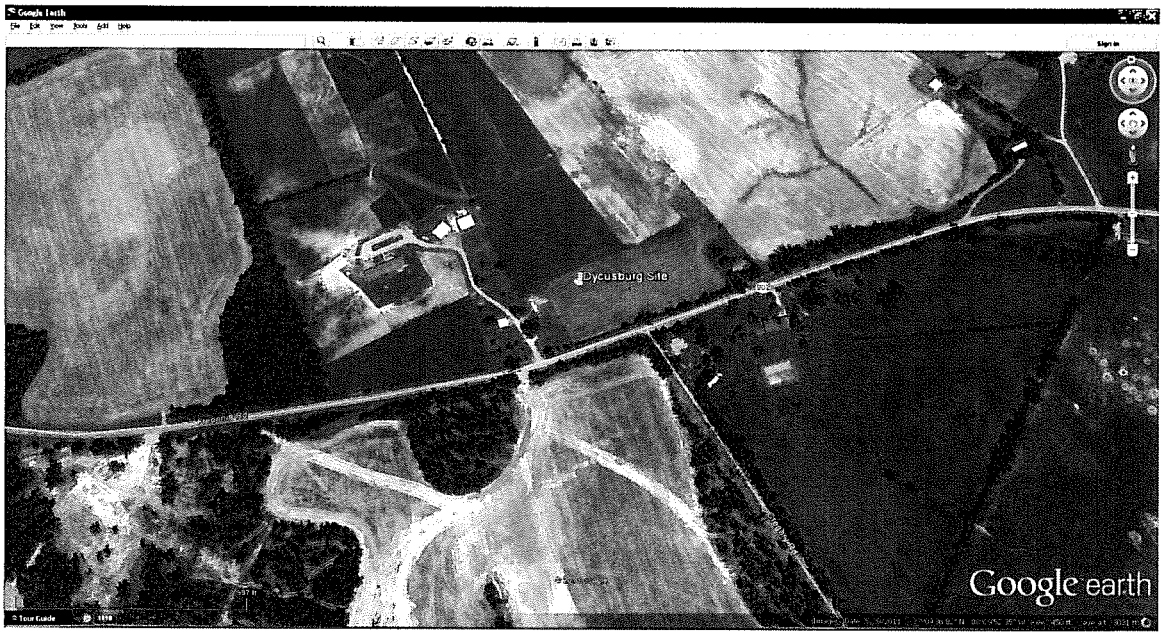
NO.	REVISION/ISSUE	DATE
1	ISSUE	12/17/12

TITLE: 500' RADIUS VICINITY MAP

SHEET: C-1

Driving Directions to Proposed Tower Site:

1. Beginning at the Crittenden County seat located at 107 South Main Street, Marion, Kentucky 42064;
2. Proceed south on Main Street about 9 miles
3. Turn right onto State Road 902 and proceed about 7.5 miles
4. The proposed tower site is located on the right
5. The site coordinates are:
    a. N 37 deg 09 min 40.807 sec
    b. W 88 deg 09 min 52.532 sec



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

EXHIBIT M
COPY OF COUNTY JUDGE/EXECUTIVE NOTICE

PIKE
LEGAL

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. Perry A. Newcom
Crittenden County Judge Executive
Crittenden County Courthouse
107 South Main Street
Marion, KY 42064

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2013-00351
Site Name: Dycusburg

Dear Judge Newcom:

Cellco Partnership d/b/a Verizon Wireless has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 806 State Road 902 West, Fredonia, KY 42411 (37°09'40.807" North latitude, 88°09'52.532" West longitude). The proposed facility will include a 290-foot tall antenna tower, plus a 9-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2013-00351 in any correspondence sent in connection with this matter.

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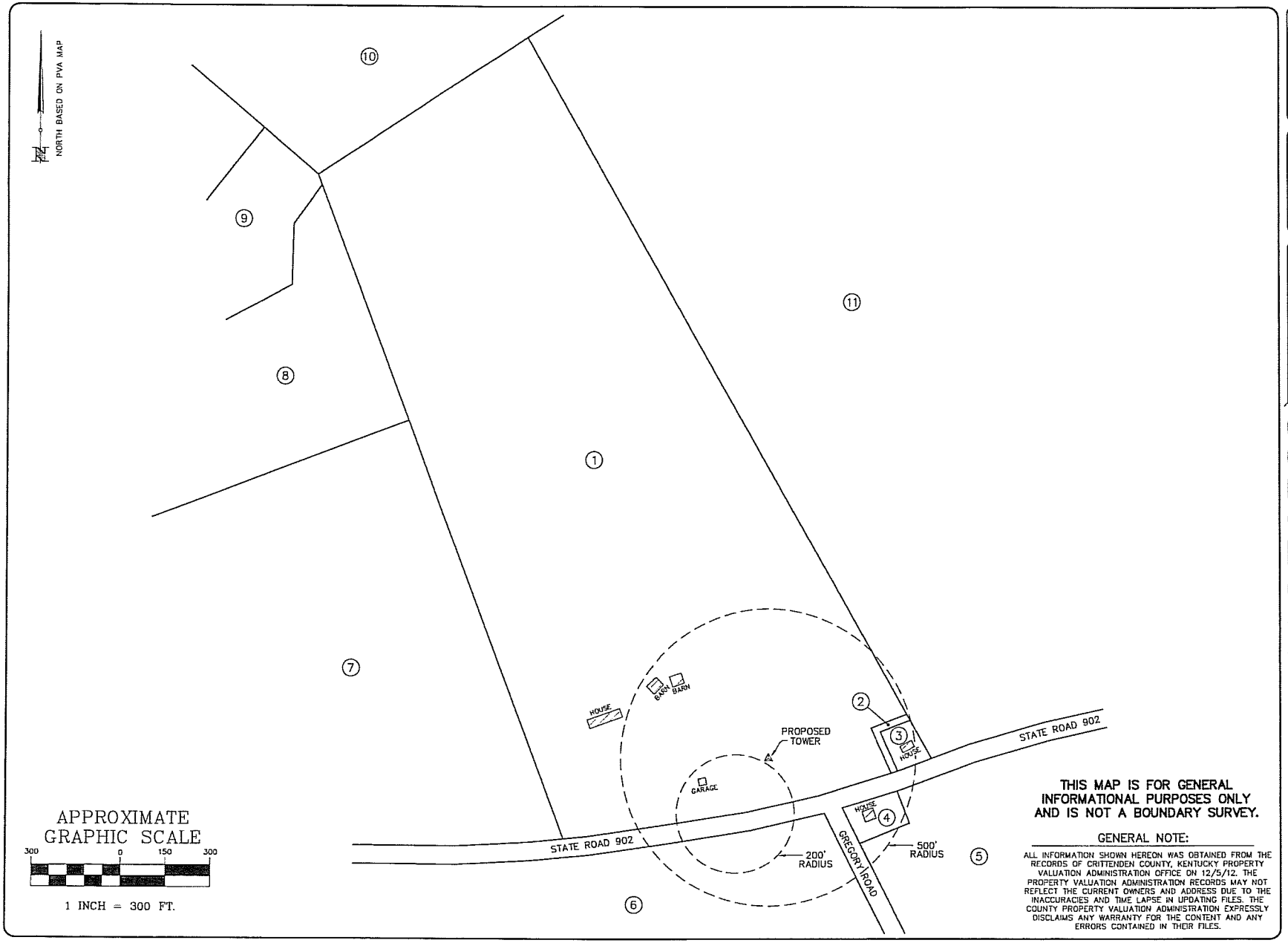
Sincerely,

David A. Pike
Attorney for Cellco Partnership d/b/a Verizon Wireless

enclosure



APPROXIMATE GRAPHIC SCALE

300 0 150 300

1 INCH = 300 FT.

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CELLCO PARTNERSHIP D/B/A verizon wireless
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LOUISVILLE, KY 40299
PHONE (502) 552-0330
FAX (502) 266-7548

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PHONE (502) 459-8402
FAX (502) 459-8427

STATE OF KENTUCKY
TODD CHRISTOPHER LOPP
3917
LICENSED PROFESSIONAL LAND SURVEYOR
Todd Lopp 12-17-12

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER 806 STATE ROAD 902 WEST FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
LONGITUDE: 88° 09' 52.532"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	12/17/12

TITLE: 500' RADIUS VICINITY MAP

SHEET: C-1

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5. The site coordinates are:
    a. N 37 deg 09 min 40.807 sec
    b. W 88 deg 09 min 52.532 sec

Prepared by:
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Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

VIA CERTIFIED MAIL

Crittenden County Magistrates
c/o Hon. Perry A. Newcom
Crittenden County Judge Executive
Crittenden County Courthouse
107 South Main Street
Marion, KY 42064

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2013-00351
Site Name: Dycusburg

Dear Magistrates:

Cellco Partnership d/b/a Verizon Wireless has filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 806 State Road 902 West, Fredonia, KY 42411 (37°09'40.807" North latitude, 88°09'52.532" West longitude). The proposed facility will include a 290-foot tall antenna tower, plus a 9-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

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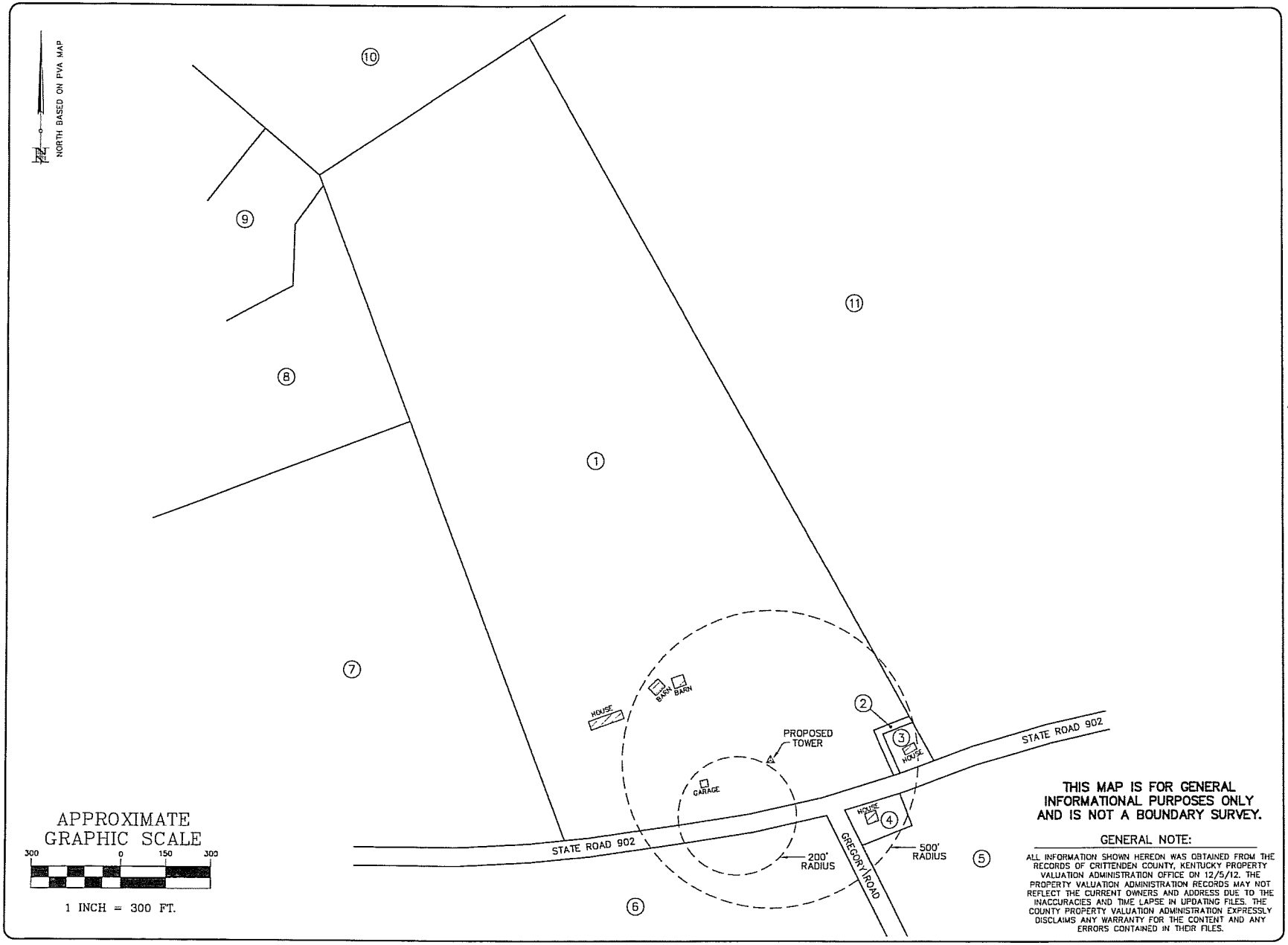
Sincerely,

David A. Pike
Attorney for Cellco Partnership d/b/a Verizon Wireless
enclosure



APPROXIMATE GRAPHIC SCALE

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1 INCH = 300 FT.

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STATE OF KENTUCKY
TODD CHRISTOPHER LOPP
3917
LICENSED PROFESSIONAL LAND SURVEYOR
12-17-12

SITE NAME: DYCUSBURG

SITE I.D.:

SITE ADDRESS: 806 STATE ROAD 902 WEST FREDONIA, CRITTENDEN CO., KY 42411

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: DAN & NANCY WEAVER 806 STATE ROAD 902 WEST FREDONIA, KY 42411

TAX PARCEL NUMBER: 038-00-00-024.00

SOURCE OF TITLE: DEED BOOK 190, PAGE 540

LATITUDE: 37° 09' 40.807"N
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NO.	REVISION/ISSUE	DATE
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TITLE: 500' RADIUS VICINITY MAP

SHEET: C-1

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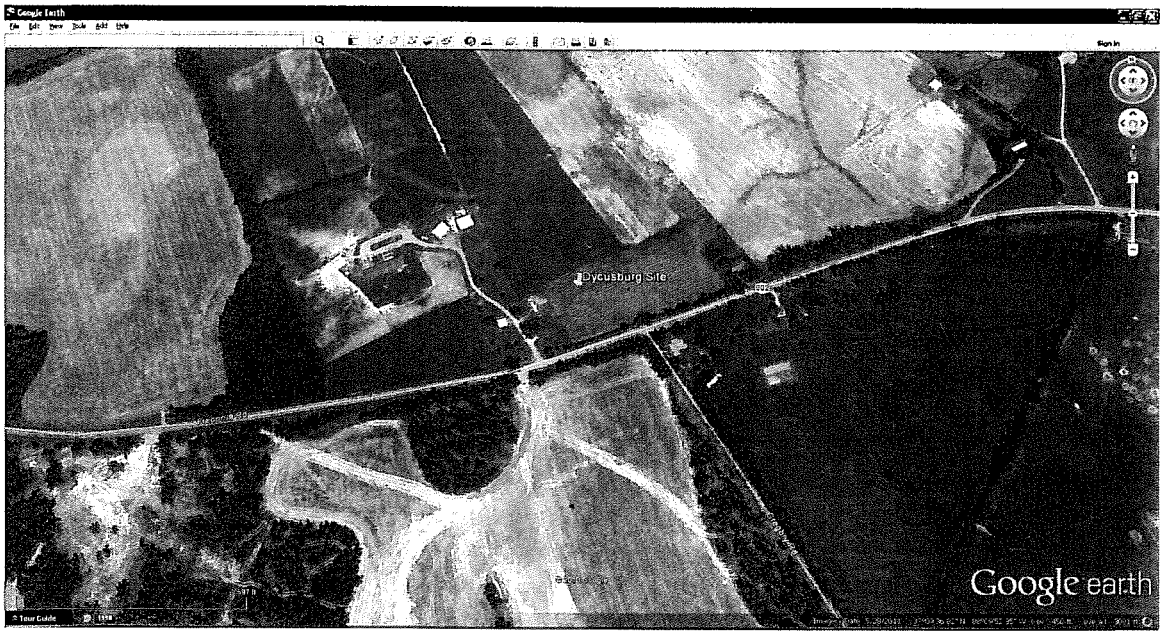

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Robert W. Grant
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1578 Highway 44 East, Suite 6
PO Box 369
Shepherdsville, KY 40165-0369
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT N
COPY OF POSTED NOTICES

Dycusburg Notice Sign Text

Two (2) signs 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 words "**proposes to construct a telecommunications tower**," which are at least four (4) inches in height.

Cellco Partnership d/b/a Verizon Wireless

proposes to construct a telecommunications tower

on this site. If you have questions concerning this proposal, you may contact the Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165-0369; telephone: (800) 516-4293; or the the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2013-00351 in your correspondence.

Cellco Partnership d/b/a Verizon Wireless

proposes to construct a telecommunications tower

near this site. If you have questions concerning this proposal, you may contact the Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165-0369; telephone: (800) 516-4293; or the the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2013-00351 in your correspondence.

EXHIBIT O
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

Dycusburg Search Area