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MAR 12 2009

**PUBLIC SERVICE
COMMISSION**

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**APPLICATION OF CUMBERLAND CELLULAR
PARTNERSHIP FOR ISSUANCE OF A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY TO
CONSTRUCT A CELL SITE (CANE VALLEY) IN RURAL
SERVICE AREA #5 (ADAIR) OF THE COMMONWEALTH
OF KENTUCKY**

CASE NO. 2009-0061

**APPLICATION FOR A CERTIFICATE OF
PUBLIC CONVENIENCE AND NECESSITY (CANE VALLEY)**

Cumberland Cellular Partnership ("Cumberland Cellular"), through counsel, pursuant to KRS 278.020 and 278.040, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Cane Valley cell site in and for rural service area ("RSA") #5 of the Commonwealth of Kentucky, namely the counties of Barren, Monroe, Metcalfe, Adair, Cumberland, Russell, Clinton, Wayne, McCreary and Hart, Kentucky.

1. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Cumberland Cellular states that it is a Kentucky limited liability partnership whose full name and post office address are: Cumberland Cellular Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701.

2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant's application to and approval from the Federal Aviation Administration, and a copy of its application to the Kentucky Airport Zoning Commission ("KAZC") are Exhibit "A". Written authorization from the KAZC will be supplied to the Commission upon its approval.

3. Pursuant to 807 KAR 5:063 §1(1)(d), applicant is submitting as Exhibit "B" a geotechnical investigation report, signed and sealed by a professional engineer registered in Kentucky, that includes boring logs, foundation design recommendations, and a finding as to the susceptibility of the area surrounding the proposed site to flood hazard.

4. Pursuant to 807 KAR 5:063 §1(1)(e), clear directions from the county seat to the proposed site, including highway numbers and street names, if applicable, with the telephone number of the person who prepared the directions are Exhibit "C".

5. Pursuant to 807 KAR 5:063 §1(1)(f), a copy of the lease for the property on which the tower is proposed to be located, is Exhibit "D".

6. Pursuant to 807 KAR §1(1)(g), experienced personnel will manage and operate the Cane Valley cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Cumberland Cellular, of which system the Cane Valley cell site will be a part. Bluegrass Cellular Inc. provides management services to Cumberland Cellular under a management contract, just as it does with three (3) other wireless carriers in the Commonwealth. And, Bluegrass Cellular Inc. has been providing these management services to these other wireless carriers for well over a decade. This extensive management experience with Bluegrass Cellular demonstrates that Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

7. Pursuant to 807 KAR §1(1)(g), World Tower Company, Inc. is responsible for the design specifications of the proposed tower (identified in Exhibit "B").

8. Pursuant to 807 KAR 5:063 §1(1)(h), a site development plan and survey, signed and sealed by a professional engineer registered in Kentucky, that shows the proposed location of the tower and all easements and existing structures within 500 feet of the proposed site on the property on which the tower will be located, and all easements and existing structures within 200 feet of the access drive, including the intersection with the public street system, is Exhibit "B".

9. Pursuant to 807 KAR 5:063 §1(1)(i), a vertical profile sketch of the tower, signed and sealed by a professional engineer registered in Kentucky, indicating the height of the tower and the placement of all antennas is Exhibit "B".

10. Pursuant to 807 KAR 5:063 §1(1)(j), the tower and foundation design plans and a description of the standard according to which the tower was designed, signed and sealed by a professional engineer registered in Kentucky, is Exhibit “B”.

11. Pursuant to 807 KAR 5:063 § 1 (1)(k), a map, drawn to a scale no less than one (1) inch equals 200 feet, that identifies every structure and every owner of real estate within 500 feet of the proposed tower, is Exhibit “E”.

12. Pursuant to 807 KAR 5:063 § 1 (1)(l), applicant’s legal counsel hereby affirms that every person who owns property within 500 feet of the proposed tower has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

13. Pursuant to KRS 278.665(2), applicant’s legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the property where the proposed cellular antenna tower will be located has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

14. Pursuant to 807 KAR 5:063 §1(1)(m), a list of the property owners who received the notice together with copies of the certified letters sent to listed property owners, is Exhibit “F”.

15. Pursuant to 807 KAR 5:063 § 1 (1)(n), applicant’s legal counsel hereby affirms that the Office of the Adair County Judge Executive has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of its right to request intervention.

16. Pursuant to 807 KAR 5:063 §1(1)(o), a copy of the notice sent to the Adair County Judge Executive is Exhibit “G”.

17. Pursuant to 807 KAR 5:063 § 1 (1)(p), applicant’s legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location

on the proposed site and one on the nearest public road; and (ii) the notices shall remain posted for at least two weeks after the application has been filed.

18. Pursuant to 807 KAR 5:063 § 1 (2)(a), applicant's legal counsel affirms that:

(a) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Cumberland Cellular Partnership proposes to construct a telecommunications tower on this site,***" including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted and shall remain in a visible location on the proposed site until final disposition of the application; and

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Cumberland Cellular Partnership proposes to construct a telecommunications tower near this site,***" including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted on the public road nearest the site.

A copy of each sign is attached as Exhibit "H"

19. Pursuant to 807 KAR 5:063 § 1 (1)(q), a statement that notice of the location of the proposed construction has been published in a newspaper of general circulation in the county in which the construction is proposed.

20. Pursuant to 807 KAR 5:063 § 1(1)(r), the cell site, which has been selected, is in a relatively undeveloped area in Parkers Lake, Kentucky.

21. Pursuant to 807 KAR 5:063 §1(1)(s), Cumberland Cellular has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate. Cumberland Cellular has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

22. Pursuant to 807 KAR 5:063 § 1(1)(t), a map of the area in which the tower is proposed to be located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located is Exhibit "J".

23. Pursuant to KRS 100.987(2)(a), a grid map, that is drawn to scale, that shows the location of all existing cellular antenna towers and that indicates the general position of proposed construction sites for new cellular antenna towers is Exhibit "K".

24. No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Cumberland Cellular and which would provide adequate service to the area exists.


25. Correspondence and communication with regard to this application should be addressed to:

John E. Selent
Holly C. Wallace
DINSMORE & SHOHL LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
(502) 585-2207
john.selent@dinslaw.com
holly.wallace@dinslaw.com

WHEREFORE, Cumberland Cellular Partnership requests the Commission to enter an order:

1. Granting a certificate of public convenience and necessity to construct the Cane Valley cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



John E. Selent
Holly C. Wallace
DINSMORE & SHOHL LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
(502) 540-2207
john.selent@dinslaw.com
holly.wallace@dinslaw.com

LUKAS, NACE, GUTIERREZ & SACHS, LLP

1650 TYSONS BOULEVARD, SUITE 1500
MCLEAN, VIRGINIA 22102
703 584 8678 • 703 584 8696 FAX

WWW.FCCLAW.COM

RUSSELL D. LUKAS
DAVID L. NACE
THOMAS GUTIERREZ*
ELIZABETH R. SACHS*
DAVID A. LAFURIA
PAMELA L. GIST
TODD SLAMOWITZ*
TODD B. LANTOR*
STEVEN M. CHERNOFF*
KATHERINE PATSAS*

CONSULTING ENGINEERS
ALI KUZEHKANANI
LEILA REZANAVAZ
—
OF COUNSEL
GEORGE L. LYON, JR.
LEONARD S. KOLSKY*
JOHN CIMKO*
J. K. HAGE III*
JOHN J. MCAVOY*
HON. GERALD S. MCGOWAN*
TAMARA DAVIS BROWN*
—
*NOT ADMITTED IN VA

February 5, 2009

Telephone
(703) 584-8668

Via Federal Express


Mr. John Houlihan
Kentucky Airport Zoning Commission
90 Airport Road
Building 400
Frankfort, Kentucky 40601

Dear Mr. Houlihan:

Enclosed please find two completed TC 56-50 forms, Application for Permit to Construct or Alter a Structure, for a new tower (Cane Valley) near Columbia, Kentucky. The Structure, including top-mounted antennas will have an overall height of 255 feet Above Ground Level.

Enclosed Form TC 56-50 and the attached exhibit include all the pertinent information for this existing tower structure. Also enclosed are copies of the completed FAA Form 7460-1 for the proposed site, a non-reduced 7-1/2' U.S. Geological Survey map indicating the exact location of the site, and a 2-C survey.

Please do not hesitate to contact the undersigned if there are questions regarding this matter.

Sincerely,

Leila Rezanavaz
Consulting Engineer

Enclosures

CC: Doug Updegraff

Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 125 Holmes Street, Frankfort KY 40622

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

1. APPLICANT - Name, Address, Telephone, Fax, etc.

Scott McCloud
Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42702
Tel: 270-769-0339
Fax: 270-737-0580

9. Latitude: 37 ° 11 ' 40 . 67 "

10. Longitude: 85 ° 20 ' 55 . 15 "

11. Datum: NAD 83 NAD 27 Other _____

12. Nearest Kentucky City Columbia County: Adair

13. Nearest Kentucky public use or Military airport:
Columbia-Adair Co. Airport

14. Distance from #13 to Structure: 7.5 Miles

15. Direction from #13 to Structure: North

16. Site Elevation (AMSL): 822 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1077 Feet

19. Previous FAA and/or Kentucky Aeronautical Study Number(s):
N/A

20. Description of Location: (Attach a USGS 7.5 minute Quadrangle Map or an Airport Layout Drawing with the precise site marked and any certified survey)

Site is located at:

1600 Farris Road
Columbia, KY 42728

2. Representative of Applicant - Name, Address, Telephone, Fax

Leila Rezanavaz
Lukas, Nace, Gutierrez & Sachs, Chartered
1650 Tysons Blvd., Suite 1500
McLean, VA 22102
T: 703-584-8668

3. Application for: New Construction Alteration Existing

4. Duration: Permanent Temporary (Months _____ Days _____)

5. Work Schedule: Start 5/10/09 End 5/15/09

6. Type: Antenna Tower Crane Building Power Line
 Landfill Water Tank Other _____

7. Marking/Painting and/or Lighting Preferred:

Red Lights and Paint Dual - Red & Medium Intensity White
 White - Medium Intensity Dual - Red & High Intensity White
 White - High Intensity Other _____

8. FAA Aeronautical Study Number 2009-ASO-569-OE

21. Description of Proposal:

Structure: Proposed self supporting tower with top-mounted antennas for overall height of 255' AGL.

Max ERP: 250 watts.

Frequencies: Cellular Band B

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?

No
 Yes, When 2/5/209

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

Leila Rezanavaz / Consulting Engineer

Leila Rezanavaz 2/5/2009

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

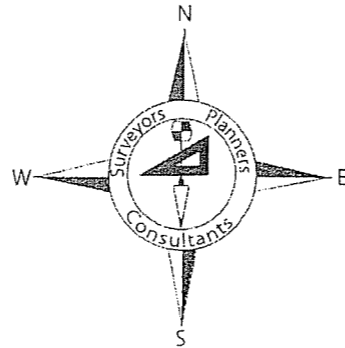
Commission Action:

Chairman, KAZC Administrator, KAZC

Approved _____ Date _____
 Disapproved _____ Date _____

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

2C Certification

January 28, 2009

Designation: Cane Valley
Site ID No.: Not Available
Tower Type: Proposed Self-Support Tower
Location: 1600 Farris Road, Columbia, Kentucky 42728

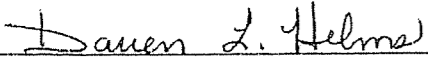
I certify that the latitude, longitude, ground elevation and height of the proposed self-support tower are as follows:

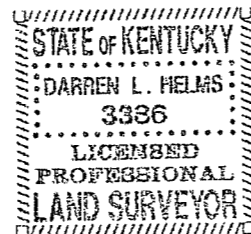
Latitude:	37 degrees 11 minutes 40.67 seconds North	(NAD 1983)
Longitude:	85 degrees 20 minutes 55.15 seconds West	(NAD 1983)
Ground Elevation:	822.3 feet or 250.64 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

The accuracy of the latitude and longitude of the proposed self-support tower is ± 50 feet or ± 15 meters. The ground elevation and structure height are accurate to within ± 20 feet or ± 6 meters.

The information shown above is based upon field observations made on January 20, 2009 using the National Geodetic Survey monument "Z 225" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop Companion 2008 software.

Landmark Surveying Co., Inc.


Darren L. Helms, Kentucky Professional Land Surveyor No. 3386



Notice of Proposed Construction or Alteration - Off Airport

Project Name: BLUEG-000112385-09 Sponsor: Bluegrass Cellular, Inc.

Details for Case : Cane Valley

Show Project Summary

Case Status						
ASN:	2009-ASO-569-OE	Date Accepted:	02/05/2009			
Status:	Accepted	Date Determined:				
		Letters:	None			
		Documents:	None			
Construction / Alteration Information		Structure Summary				
Notice Of:	Construction	Structure Type:	Antenna Tower			
Duration:	Permanent	Structure Name:	Cane Valley			
	<i>if Temporary</i> : Months: Days:	FCC Number:				
Work Schedule - Start:	05/10/2009	Prior ASN:				
Work Schedule - End:	05/15/2009					
State Filing:	Filed with State					
Structure Details		Common Frequency Bands				
Latitude:	37° 11' 40.67" N	Low Freq	High Freq	Freq Unit	ERP	ERP Unit
Longitude:	85° 20' 55.15" W	806	824	MHz	500	W
Horizontal Datum:	NAD83	824	849	MHz	500	W
Site Elevation (SE):	822 (nearest foot)	851	866	MHz	500	W
Structure Height (AGL):	255 (nearest foot)	869	894	MHz	500	W
Requested Marking/Lighting:	Dual-red and medium intensity	896	901	MHz	500	W
	<i>Other</i> :	901	902	MHz	7	W
Recommended Marking/Lighting:		930	931	MHz	3500	W
		931	932	MHz	3500	W
Nearest City:	Columbia	932	932.5	MHz	17	dBW
Nearest State:	Kentucky	935	940	MHz	1000	W
Description of Location:	Site is located at: 1600 Farris Road Columbia, KY 42728	940	941	MHz	3500	W
Description of Proposal:	Proposed self-supporting tower with top-mounted antennas for overall height of 255'.	1850	1910	MHz	1640	W
		1930	1990	MHz	1640	W
		2305	2310	MHz	2000	W
		2345	2360	MHz	2000	W
		Specific Frequencies				

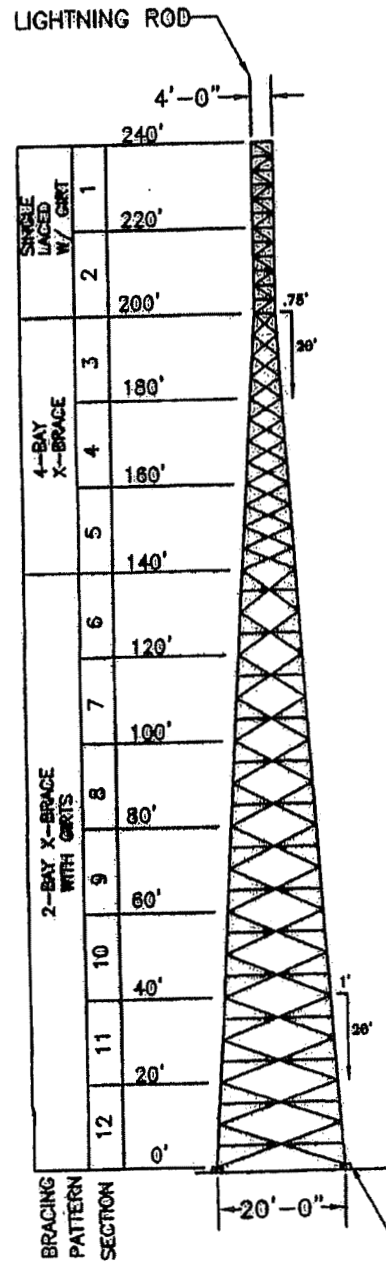


World Tower
COMPANY, INC.

1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
270-247-3642
FAX: 270-247-0989
E-mail: worldtower@worldtower.com
Web: www.worldtower.com

240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: CANE VALLEY, KY
DESIGN PACKAGE

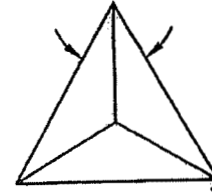




TOWER ELEVATION

ANCHOR BOLTS WITH EMBEDDED PL.

60° TYP.



TOWER PLAN

GENERAL NOTES

1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOAD AND MEET THE PROVISIONS OF TRA-222-G FOR A 50 MPH BASIC WIND SPEED WITH NO ICE. TOWER IS ALSO DESIGN FOR A 30 MPH BASIC WIND SPEED WITH 3/4" ICE. STRUCTURE CLASS II, EXP. CAT. C AND TOPO. CAT. 1.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
3. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
4. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
5. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
6. ALL STRUCTURAL BOLTS ARE ASTM A325.
7. TOWER IS DESIGNED FOR ALL LEGS TO BE MOUNTED ACCORDING TO DRAWING 00913JWG.
8. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TRA/EA-222-G EVERY 5 YEARS.
9. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.
10. STEP BOLTS PROVIDED ON ONE LEG FROM 60' TO 240' AND 3 LEGS FROM 6' TO 60'.
11. CABLE SAFETY 0"-240'.

WORLD TOWER

TITLE:
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE : CANE VALLEY, KY

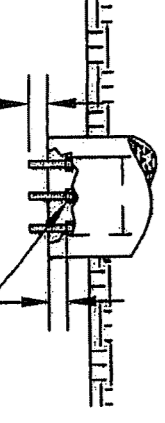
SCALE NONE DIM. LKB DES. JAJ DATE 2-23-09
FILE DWG. NO. Q0913J3



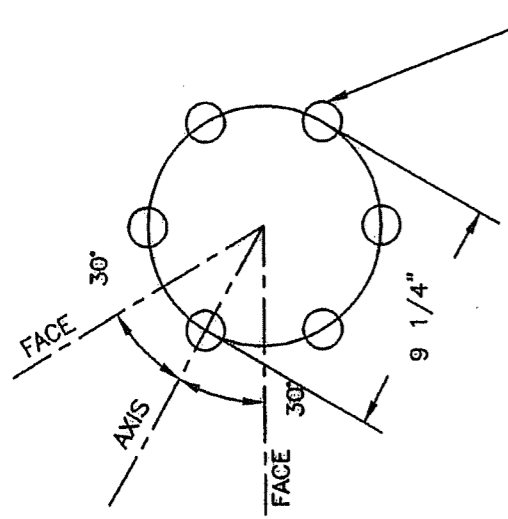
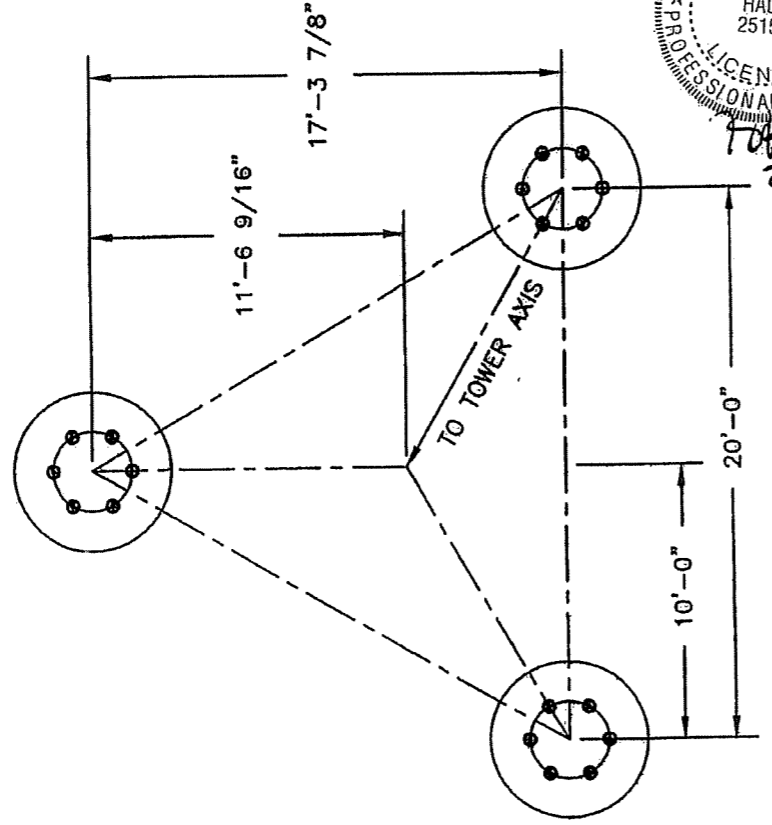
Kirk R. Hall
2-23-09

BASE REACTIONS	
OTM:	6385.0 FT. KIPS
COMP.	394.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	49.0 KIPS
WT. NO ICE	78.0 KIPS
WT. 3/4" ICE	186.0 KIPS

GALVANIZED NUT TYP. 3" MIN. 7" PROJ.



PIER ELEVATION



ANCHOR BOLTS 6 (18 TOTAL)
1 1/4" X 85" ASTM A354 GR. BC
EQUALLY SPACED ON A 9 1/4"
DIA. BOLT CIRCLE WITH TOP TEMPLATE
AND EMBEDDED PLATE

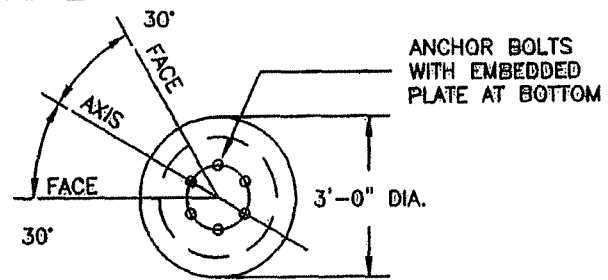
WORLD TOWER

TITLE: ANCHOR BOLT LAYOUT
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE : CANE VALLEY, KY

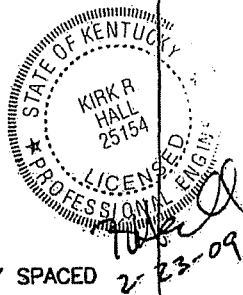
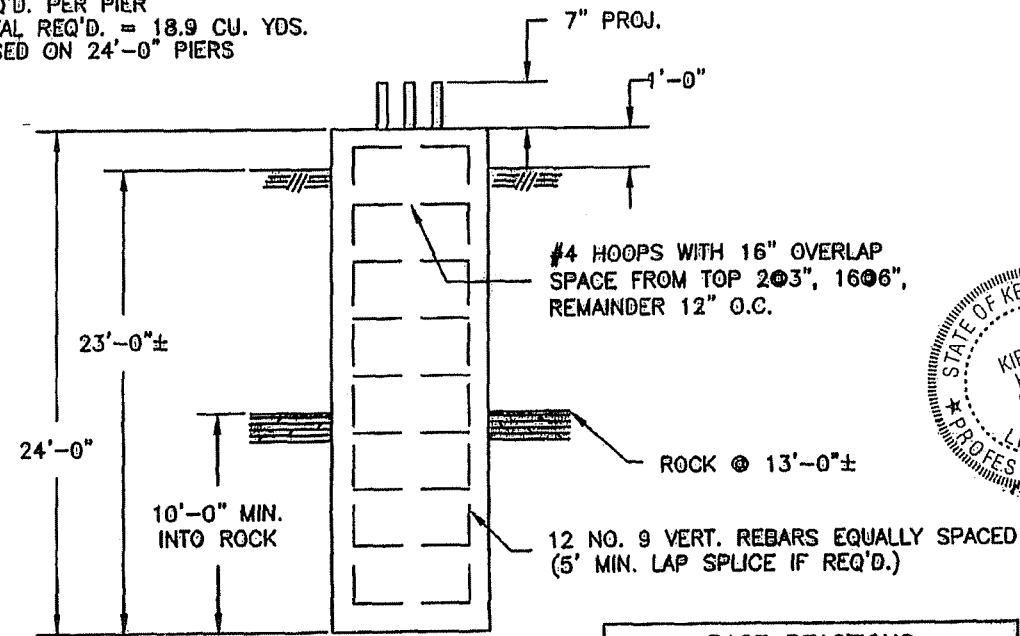
SCALE	NONE	DATE	1/11	REV.	2-23-09
FILE		DWG. NO.	Q09133AB		



T. Hall
2-23-09



6.3 CU. YDS. CONCRETE
REQ'D. PER PIER
TOTAL REQ'D. = 18.9 CU. YDS.
BASED ON 24'-0" PIERS



BASE REACTIONS	
OTM:	6385.0 FT. KIPS
COMP.	394.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	49.0 KIPS
WT. NO ICE	78.0 KIPS
WT. 3/4" ICE	186.0 KIPS

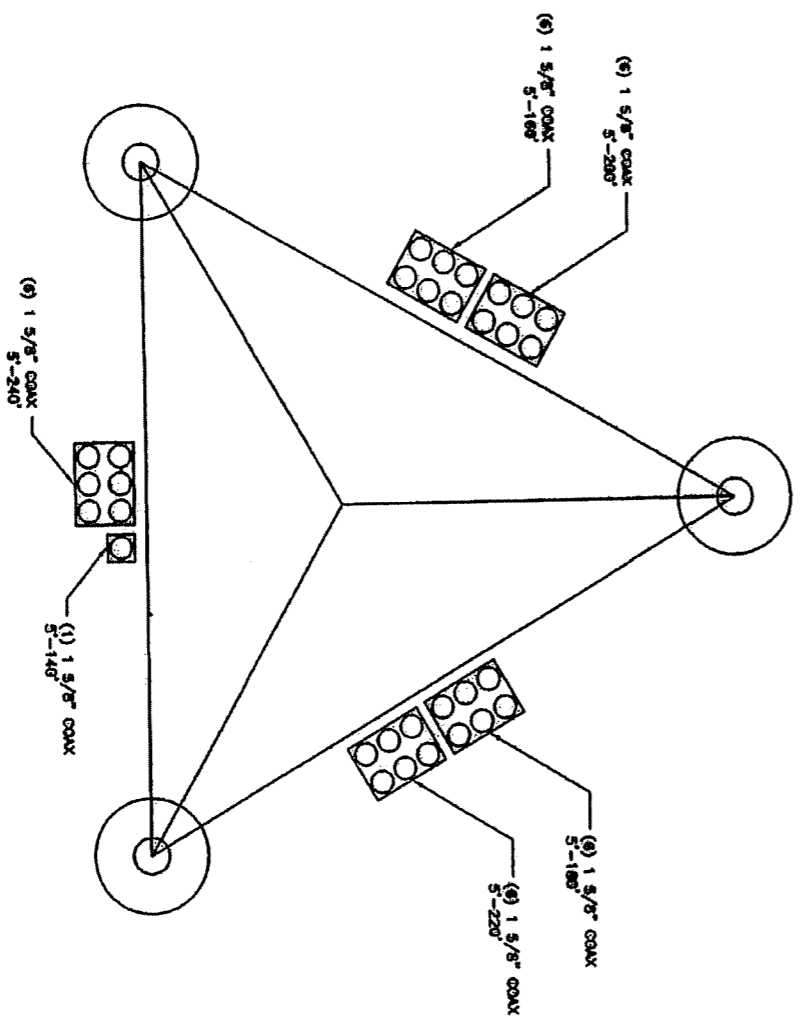
GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM TERRACON PROJECT NO. 57087367 DATED FEBRUARY 3, 2009.

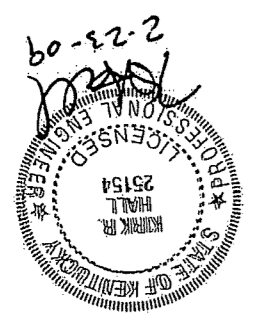
TITLE: FOUNDATION DETAIL
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE : CANE VALLEY, KY

WORLD TOWER

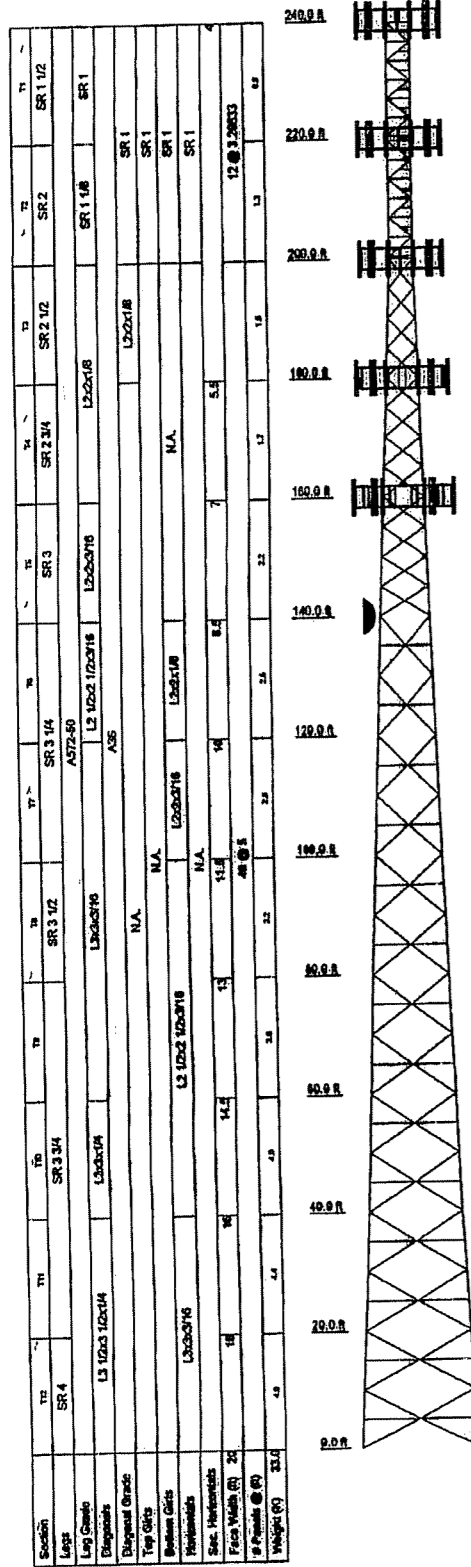
SCALE NONE DWN. LKB CKD. *llb* DATE 2-23-09
FILE DWG. NO. Q09133F



PLAN VIEW



WORLD TOWER			
TITLE: WAVEGUIDE LOCATION			
240' MODEL WSST TOWER			
FOR: BLUEGRASS CELLULAR			
SITE : CANE VALLEY, KY			
SCALE NONE	DATE 1/13	DATE 2-23-09	
FILE	DWG. NO. Q09133WG		



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Flash Beacon Lighting	240	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	200
WD13K83 Antenna Mounting Frame (w/.78")	240	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	200
WD13K83 Antenna Mounting Frame (w/.78")	240	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	200
WD13K83 Antenna Mounting Frame (w/.78")	240	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	200
(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	240	WD13K83 Antenna Mounting Frame (w/.78")	180
(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	240	WD13K83 Antenna Mounting Frame (w/.78")	180
(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	240	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	180
WD13K83 Antenna Mounting Frame (w/.78")	220	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	180
WD13K83 Antenna Mounting Frame (w/.78")	220	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	180
(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	220	WD13K83 Antenna Mounting Frame (w/.78")	160
(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	220	WD13K83 Antenna Mounting Frame (w/.78")	160
WD13K83 Antenna Mounting Frame (w/.78")	200	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	160
WD13K83 Antenna Mounting Frame (w/.78")	200	(2) Antel RWB 88814/120 w/ mnt. plus Panel 98.8"x11.2"x8.8"	160
WD13K83 Antenna Mounting Frame (w/.78")	200	WD13K83 Antenna Mounting Frame (w/.78")	140
WD13K83 Antenna Mounting Frame (w/.78")	200	4" G04 Dia	140

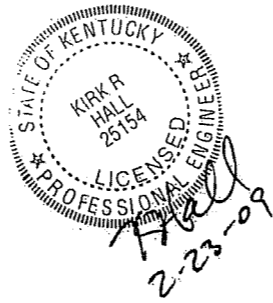
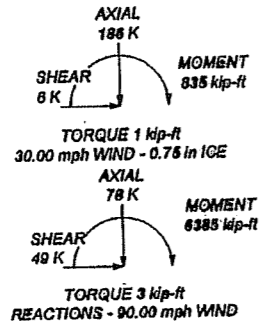
MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-G Standard.
2. Tower designed for a 90.00 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 30.00 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 90.00 mph wind.
5. Tower is designed for feedlines distributed on 3 tower faces with a maximum of 6 lines exposed to the wind on any one face.
6. TOWER RATING: 99.8%

MAX. CORNER REACTIONS AT BASE:
 DOWN: 394 K
 UPLIFT: -330 K
 SHEAR: 32 K



World Tower Company
 1213 Compressor Drive
 Mayfield, Kentucky 42066
 Phone: (270) 247-8842
 FAX: (270) 247-0809

Project: **Q09-133 and 134 / 240' Model WSST Tower**
 Client: **KY standard sites - Washington East and Cane Valley**
 Drawn by: **Kirk Hall**
 Date: **02/23/09**
 Scale: **NTS**
 Draw No.: **E-1**

GEOTECHNICAL ENGINEERING REPORT

**PROPOSED CANE VALLEY TOWER
1600 FARRIS ROAD
COLUMBIA, ADAIR COUNTY, KENTUCKY**

**TERRACON PROJECT NO. 57087367
February 3, 2009**

Prepared For:

**BLUEGRASS CELLULAR
Elizabethtown, Kentucky**

Prepared by:

Terracon
Louisville, Kentucky

Terracon

February 3, 2009

Bluegrass Cellular Partnership
2902 Ring Road
Elizabethtown, Kentucky 42702

Attention: Mr. Doug Updegraff

**Re: Geotechnical Engineering Report
Proposed 240' Self Supporting Tower
Cane Valley Site
1600 Farris Road
Columbia, Adair County, Kentucky
Terracon Project No. 57087367**

Terracon
Consulting Engineers & Scientists

Terracon Consultants, Inc.
5217 Linbar Drive, #309
Nashville, Tennessee 37211
Phone 615.333.6444
Fax 615.333.6443
www.terracon.com

Dear Mr. Updegraff:

The results of our subsurface exploration are attached. The purpose of this exploration was to obtain information on subsurface conditions at the proposed project site and, based on this information, to provide recommendations regarding the design and construction of foundations for the proposed tower.

The design parameters and recommendations within this report apply to the existing planned tower height and adjustments up to 20% increase or decrease in tower height, as long as the type of tower does not change. If changes in the height of the tower dictate a change in tower type (i.e. -- monopole to a self-support, self-support to a guyed tower), Terracon should be contacted to evaluate our recommendations with respect to these changes.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service to you in any way, please feel free to contact us.

Sincerely,
Terracon



Shaikh Z. Rahman, EIT.
Project Engineer

n:\projects\2009\57087367\G57087367.doc

Attachments: Geotechnical Engineering Report

Copies: Addressee (3 hard copies, 1 pdf)



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 Boring Log

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 Unified Soil Classification System

GEOTECHNICAL ENGINEERING REPORT

PROPOSED CANE VALLEY TOWER
1600 FARRIS ROAD
COLUMBIA, ADAIR COUNTY, KENTUCKY
TERRACON PROJECT NO. 57087367
February 3, 2009

1.0 INTRODUCTION

The purpose of this report is to describe the subsurface conditions encountered in the boring, analyze and evaluate the test data, and provide recommendations regarding the design and construction of foundations and earthwork for the proposed tower. One boring extending to a depth of about 28 feet below the existing ground surface was drilled at the site. An individual boring log and a boring location plan are included with this report.

2.0 PROJECT DESCRIPTION

Terracon understands the proposed project will consist of the construction of a 240-foot self supporting tower. Exact tower loads are not available, but based on our experience are anticipated to be as follows:

Vertical Load:	600 kips
Horizontal Shear:	80 kips
Uplift:	500 kips

A small, lightly loaded equipment building will also be constructed. Wall and floor loads for this building are not anticipated to exceed 1 kip per linear foot and 100 pounds per square foot, respectively. At the time of our site visit the property was a gently sloping pasture. Existing grades within the 100-foot by 100-foot lease area were not available as of this writing. According to the site sketch provided by Landmark Surveying, Inc., the tower will be constructed at about El. 820. Based on observed topography, less than 3 feet of cut/fill is anticipated to level the site for construction.

3.0 EXPLORATION PROCEDURES

3.1 Field Exploration

The subsurface exploration consisted of drilling and sampling one boring at the site to a depth of about 28 feet below existing grade. The boring was advanced at the center of the tower, staked by the project surveyor. The surface elevation shown on the boring log was obtained from the site sketch provided by Landmark Surveying, Inc. The location and elevation of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

The boring was drilled with a truck-mounted rotary drill rig using hollow stem augers to advance the borehole. Representative soil samples were obtained by the split-barrel sampling procedure in general accordance with the appropriate ASTM standard. In the split-barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split-barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a 140-pound hammer with a free fall of 30 inches, is the standard penetration resistance (SPT) value (N-Value). This value is used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils. The sampling depths, penetration distance, and SPT N-Values are shown on the boring log. The samples were sealed and delivered to the laboratory for testing and classification.

A CME automatic SPT hammer was used to advance the split-barrel sampler in the boring drilled at this site. A significantly greater efficiency is achieved with the automatic hammer compared to the conventional safety hammer operated with a cathead and rope. This higher efficiency has an appreciable effect on the standard penetration resistance blow count (N) values. The effect of the automatic hammer's efficiency has been considered in the interpretation and analysis of the subsurface information for this report.

Auger refusal was encountered at a depth of about 13 feet below the existing ground surface. The boring was extended into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) were determined.

The "percent recovery" is the ratio of the sample length retrieved to the drilled length, expressed as a percent. An indication of the actual in-situ rock quality is provided by calculating the sample's RQD. The RQD is the percentage of the length of broken cores retrieved which have core segments at least 4 inches in length compared to each drilled length. The RQD is related to rock soundness and quality as illustrated below:

Table 1 – Rock Quality Designation (RQD)

Relation of RQD and In-situ Rock Quality	
RQD (%)	Rock Quality
90 - 100	Excellent
75 - 90	Good
50 - 75	Fair
25 - 50	Poor
0 -25	Very Poor

A field log of the boring was prepared by a subcontract driller. This log included visual classifications of the materials encountered during drilling as well as the driller's

interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the driller's field log and a visual classification of the soil samples made by the Geotechnical Engineer.

3.2 Laboratory Testing

The samples were classified in the laboratory based on visual observation, texture and plasticity. The descriptions of the soils indicated on the boring log are in accordance with the enclosed General Notes and the Unified Soil Classification System. Estimated group symbols according to the Unified Soil Classification System are given on the boring log. A brief description of this classification system is attached to this report.

The laboratory testing program consisted of performing water content tests and an Atterberg Limits test on representative soil samples. A calibrated hand penetrometer was used to estimate the approximate unconfined compressive strength of the samples. The calibrated hand penetrometer has been correlated with unconfined compression tests and provides a better estimate of soil consistency than visual examination alone. Results of these tests are provided on the boring log at the appropriate horizon.

Representative samples of rock core were tested for unconfined compressive strength and density. Results of these tests are provided on the boring log at the appropriate horizon.

Classification and descriptions of rock core samples are in accordance with the enclosed General Notes, and are based on visual and tactile observations. Petrographic analysis of thin sections may indicate other rock types. Percent recovery and rock quality designation (RQD) were calculated for these samples and are noted at their depths of occurrence on the boring log.

4.0 EXPLORATORY FINDINGS

4.1 Subsurface Conditions

Conditions encountered at the boring location are indicated on the boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types and the transition between materials may be gradual. Water levels shown on the boring log represent the conditions only at the time of our exploration. Based on the results of the boring, subsurface conditions on the project site can be generalized as follows.

Beneath about ½ foot of topsoil, the boring encountered fat clay (CH) with varying amounts of sand extending to auger refusal at about 13 feet below grade. The clays exhibited a stiff to very stiff consistency based on standard penetration test (N) values in the range of about 9 to 20 blows per foot (bpf).

Rock coring techniques were employed at a depth of about 13 feet below grade to sample the refusal materials. The core samples to a depth of about 15½ feet consisted of slightly weathered, thin bedded siltstone with clay seams. Below 15 ½ feet, the core samples consisted of moderately weathered, thin bedded sandstone with clay seams extending to a depth of about 23 feet below grade. Core recovery from 13 to 23 feet varied from 68 to 91 percent. The quality of rock in these strata is considered poor based on RQD values of 37 and 38 percent.

The core sample below 23 feet consisted of slightly weathered, hard, thin to medium bedded limestone. Core recovery was 98 percent. Bedrock quality in this stratum is considered good as defined by an RQD value of 87 percent. Coring operations were terminated at a depth of approximately 28 feet below existing grade.

4.2 Site Geology

A review of the Geologic Quadrangle Map of Cane Valley Quadrangle, Kentucky (1964), published by the United States Geological Survey (USGS) indicates that the site is underlain by the St. Louis limestone over Salem and Warsaw formations. The St. Louis limestone consists of limestone, claystone, siltstone and sandstone. The limestone is yellowish to bluish gray, fine grained, thin to medium bedded and cherty. The claystone and siltstone are yellowish to greenish gray, shaley and very thin to thick bedded. The sandstone is light brown to tan, very fine grained, thin to medium bedded with interbedded shale and limestone. The St. Louis formation is over 75 feet thick.

The Salem and Warsaw formation consist of limestone, siltstone and shale. The limestone is light olive gray to medium dark gray, medium to coarse grained and thick bedded. The siltstone is light grayish green, thin bedded with interbedded limestone. The shale is light greenish gray to yellowish gray, laminated, and contains lenses of fine grained limestone. This formation is 75 to 90 feet thick.

It should be noted that the site is underlain by formations that is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels within the rock strata and a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as a karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of the proposed structures. Our review of the available topographic and geologic mapping did not note any sinkholes on or around the site, or within a 1 mile radius of the property. Furthermore, the borings drilled at the site did not disclose any obvious signs of impending overburden collapse.

4.3 Groundwater Conditions

No groundwater was encountered during the auger drilling portion of the borehole. Water was used to advance the borehole during rock coring operations. The introduction of water into the borehole precluded obtaining accurate groundwater level readings at the time of drilling operations. Long term observation of the groundwater level in monitoring wells, sealed from the influence of surface water, would be required to obtain accurate groundwater levels on the site.

It should be recognized that fluctuations of the groundwater table may occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the boring was performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring log. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

5.0 ENGINEERING RECOMMENDATIONS

Based on the encountered subsurface conditions at the boring location, we believe the tower can be constructed on drilled piers or on a mat foundation. The lightly loaded equipment building can be supported on shallow spread footings. Drilled pier and shallow foundation recommendations are presented in the following paragraphs.

5.1 Tower Foundation

Drilled Pier Alternative: Based on the results of the boring, the following tower foundation design parameters have been developed:

Table 2 - Drilled Pier Foundation Design Parameters

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, &sub50 (in/in)
0 - 2	Topsoil and Fat Clay	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
2 - 13	Fat Clay	425	3,000	1,500	0	1,500	120	0.007
13 - 23	Siltstone and Sandstone	2,500***	10,000	5,000***	0	50,000***	2,000	0.0001
23 - 28	Limestone	5,000	20,000	10,000	0	100,000	3,000	0.00001

* Pier inspection is recommended to adjust pier length if variable soil/rock conditions are encountered.

** A total unit weight of 120 and 150 pcf can be estimated for the clay and bedrock, respectively.

*** The pier should be embedded a minimum of 3 feet into siltstone/sandstone to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have factors of

safety of 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on the boring, published correlation values and Terracon's past experience with similar soil/rock types. These values should, therefore, be considered approximate. To mobilize the higher rock strength parameters, the pier should be socketed at least 3 feet into bedrock. Furthermore, it is assumed that the rock socket is developed using coring rather than blasting techniques. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. Total settlement of drilled piers designed using the above parameters is not anticipated to exceed ½ inch.

The upper 2 feet of topsoil and fat clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in lateral and uplift resistance caused by variable subsurface conditions and or bedrock depths, the drawings should instruct the contractor to notify the engineer if subsurface conditions significantly different than encountered in the boring are disclosed during drilled pier installation. Under these circumstances, it may be necessary to adjust the overall length of the pier. To facilitate these adjustments and assure that the pier is embedded in suitable materials, it is recommended that a Terracon representative observe the drilled pier excavation.

If a bedrock socket is required, it is recommended that a minimum pier length and minimum competent rock socket length be stated on the design drawings. Competent rock was encountered in the boring below a depth of about 13 feet, but could vary between tower legs or if the tower is moved from the location of the boring. If the tower center is moved from the planned location, Terracon should be notified to review the recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

A drilled pier foundation should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and possible dewatering of the pier excavation. Temporary casing may be required during the pier excavation in order to control possible groundwater seepage and support the sides of the excavation in weak soil zones. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction. The bottom of the shaft should be free of loose soil or debris prior to reinforcing steel and concrete placement.

A concrete slump of at least 6 inches is recommended to facilitate temporary casing removal. It should be possible to remove the casing from a pier excavation during concrete placement provided that the concrete inside the casing is maintained at a sufficient level to resist any earth and hydrostatic pressures outside the casing during the entire casing removal procedure.

Mat Foundation Alternative: The mat foundation can be designed using the following natural soil/engineered fill parameters. These parameters are based on the findings of the boring, a review of published correlation values and Terracon's experience with similar soil conditions. These design parameters also assume that the base of the mat foundation will rest on natural soils or well-graded crushed stone that is compacted and tested on a full time basis.

Mat Foundation Design Parameters

Depth (feet)	Description	Allowable Contact Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Coefficient of Friction, Tan δ	Vertical Modulus of Subgrade Reaction (pci)
0 - 2	Topsoil and Fat Clays	Ignore	Ignore	-	
≥ 2	Fat Clay or Crushed Stone Fill	3,000	Ignore	0.35	125

To assure that soft soils are not left under the mat foundation, it is recommended that a geotechnical engineer observe the foundation subgrade prior to concrete placement. Provided the above recommendations are followed, total mat foundation settlements are not anticipated to exceed about 1 inch. Differential settlement should not exceed 50 percent of the total settlement.

5.2 Equipment Building Foundations

The proposed equipment shed may be supported on shallow footings bearing on stiff natural soils. The equipment building foundations should be dimensioned using a net allowable soil bearing pressure of 2,500 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2.0 feet square.

The geotechnical engineer or a qualified representative should observe the foundation excavations to verify that the bearing materials are suitable for support of the proposed loads. If, at the time of such observation, any soft soils are encountered at the design foundation elevation, the excavations should be extended downward so that the footings rest on stiff soils. If it is inconvenient to lower the footings, the proposed footing elevations may be re-established by backfilling after the undesirable material has been removed.

The recommended soil bearing value should be considered an upper limit, and any value less than that listed above would be acceptable for the foundation system. Using the value given, total settlement would be about 1 inch or less with differential settlements being less than 75 percent of total settlement. Footings should be placed at a depth of 2.0 feet, or greater, below finished exterior grade for protection against frost damage.

5.3 Parking and Drive Areas

The drive that accesses the site will be surfaced with crushed stone. Parking and drive areas that are surfaced with crushed stone should have a minimum thickness of 6 inches and be properly placed and compacted as outlined herein. The crushed stone should meet Kentucky Transportation Cabinet specifications and applicable local codes.

A paved section consisting only of crushed graded aggregate base course should be considered a high maintenance section. Regular care and maintenance is considered essential to the longevity and use of the section. Site grades should be maintained in such a manner as to allow for adequate surface runoff. Any potholes, depressions or excessive rutting that may develop should be repaired as soon as possible to reduce the possibility of degrading the soil subgrade.

5.4 Site Preparation

Site preparation should begin with the removal of any topsoil, loose, soft or otherwise unsuitable materials from the construction area. The geotechnical engineer should evaluate the actual stripping depth, along with any soft soils that require undercutting at the time of construction.

Any fill and backfill placed on the site should consist of approved materials that are free of organic matter and debris. Suitable fill materials should consist of well graded crushed stone below the tower foundation and well graded crushed stone or low plasticity cohesive soil elsewhere. Low-plasticity cohesive soil should have a liquid limit of less than 45 percent and a plasticity index of less than 25 percent. The on-site soils are not recommended for re-use as fill due to their high plasticity. It is recommended that during construction these soils should be further tested and evaluated prior to use as fill. Fill should not contain frozen material and it should not be placed on a frozen subgrade.

The fill should be placed and compacted in lifts of 9 inches or less in loose thickness. Fill placed below structures or used to provide lateral resistance should be compacted to at least 98 percent of the material's maximum standard Proctor dry density (ASTM D-698). Fill should be placed, compacted, and maintained at moisture contents within minus 1 to plus 3 percent of the optimum value determined by the standard Proctor test.

The geotechnical engineer should be retained to monitor fill placement on the project and to perform field density tests as each lift of fill is placed in order to evaluate compliance with the design requirements. Standard Proctor and Atterberg limits tests should be performed on the representative samples of fill materials before their use on the site.

6.0 GENERAL COMMENTS

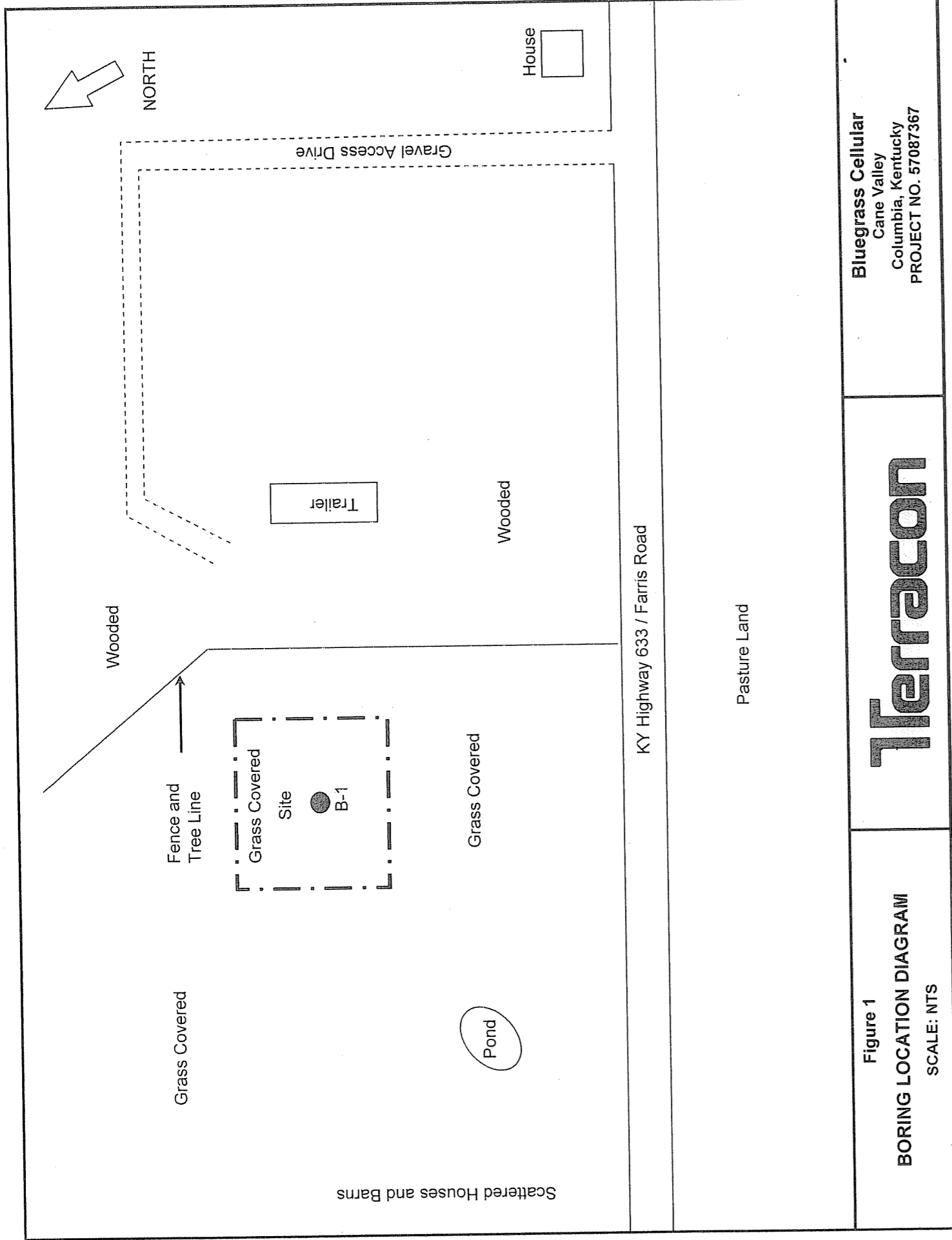
Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide testing and observation during excavation, grading, foundation and construction phases of the project.

The analysis and recommendations presented in this report are based upon the data obtained from the boring performed at the indicated location and from other information discussed in this report. This report does not reflect variations that may occur across the site, or due to the modifying effects of weather. The nature and extent of such variations may not become evident until during or after construction. If variations appear, we should be immediately notified so that further evaluation and supplemental recommendations can be provided.

The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support, and dewatering requirements are the responsibility of others. In the event that changes in the nature, design, or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless Terracon reviews the changes and either verifies or modifies the conclusions of this report in writing.

APPENDIX



Bluegrass Cellular
 Cane Valley
 Columbia, Kentucky
 PROJECT NO. 57087367



Figure 1
BORING LOCATION DIAGRAM
 SCALE: NTS

LOG OF BORING NO. B-1

CLIENT		Bluegrass Cellular							
SITE		1600 Farris Road Columbia, Kentucky							
PROJECT		240' Self Supporting Tower Cane Valley Site							
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	SAMPLES				TESTS		ATTERBERG LIMITS
			USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	
	Approx. Surface Elev.: 820 ft								
	0.5 TOPSOIL	819.5	CH	1	SS	18	17	31	7000*
	FAT CLAY trace sand, mottled grayish red, very stiff, moist								
		5	CH	2	SS	18	19	29	9000*
			CH	3	SS	18	20	29	6000*
	8.5 FAT CLAY with sand, brown, stiff, very moist	811.5	CH	4	SS	18	9	43	
		10							
	13 auger refusal at 13 feet	807		R-1	DB	91%	RQD 38%	155	4400 psi
	15.5 SILTSTONE , with clay seams, slightly weathered, gray, hard, thin bedded	804.5		R-2	DB	68%	RQD 37%	150	1590 psi
	SANDSTONE with clay seams, moderate to highly weathered, brown, cemented, thin bedded, vuggy								
		20							
	23 LIMESTONE , slightly weathered, brown to gray, hard, thin to medium bedded, vuggy	797		R-3	DB	98%	RQD 87%	160	10200 psi
		25							
	28 Coring terminated at 28 feet	792							

*Calibrated Hand Penetrometer
**CME 140H SPT automatic hammer

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

WATER LEVEL OBSERVATIONS, ft	
WL	▽
WL	▽
WL	N/E



BORING STARTED	1-13-09
BORING COMPLETED	1-13-09
RIG	CME 55
FOREMAN	MW
APPROVED	BNK
JOB #	57087367

BOREHOLE 99 57087367 BORING LOGS.GPJ TERRACON.GDT 1/30/09

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1-3/8" I.D., 2" O.D., unless otherwise noted	HS:	Hollow Stem Auger
ST:	Thin-Walled Tube - 2" O.D., unless otherwise noted	PA:	Power Auger
RS:	Ring Sampler - 2.42" I.D., 3" O.D., unless otherwise noted	HA:	Hand Auger
DB:	Diamond Bit Coring - 4", N, B	RB:	Rock Bit
BS:	Bulk Sample or Auger Sample	WB:	Wash Boring or Mud Rotary

The number of blows required to advance a standard 2-inch O.D. split-spoon sampler (SS) the last 12 inches of the total 18-inch penetration with a 140-pound hammer falling 30 inches is considered the "Standard Penetration" or "N-value".

WATER LEVEL MEASUREMENT SYMBOLS:

WL:	Water Level	WS:	While Sampling	N/E:	Not Encountered
WCI:	Wet Cave in	WD:	While Drilling		
DCI:	Dry Cave in	BCR:	Before Casing Removal		
AB:	After Boring	ACR:	After Casing Removal		

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. Groundwater levels at other times and other locations across the site could vary. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels may not be possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION: Soil classification is based on the Unified Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 - 1,000	2-3	Soft
1,001 - 2,000	4-7	Medium Stiff
2,001 - 4,000	8-15	Stiff
4,001 - 8,000	16-30	Very Stiff
8,000+	30+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Relative Density</u>
0 - 3	Very Loose
4 - 9	Loose
10 - 29	Medium Dense
30 - 49	Dense
50+	Very Dense

RELATIVE PROPORTIONS OF SAND AND GRAVEL

<u>Descriptive Term(s) of other constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

<u>Major Component of Sample</u>	<u>Particle Size</u>
Boulders	Over 12 in. (300mm)
Cobbles	12 in. to 3 in. (300mm to 75 mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt or Clay	Passing #200 Sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

<u>Descriptive Term(s) of other constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 5
With	5 - 12
Modifiers	> 12

PLASTICITY DESCRIPTION

<u>Term</u>	<u>Plasticity Index</u>
Non-plastic	0
Low	1-10
Medium	11-30
High	30+

Terracon

GENERAL NOTES

Sedimentary Rock Classification

DESCRIPTIVE ROCK CLASSIFICATION:

Sedimentary rocks are composed of cemented clay, silt and sand sized particles. The most common minerals are clay, quartz and calcite. Rock composed primarily of calcite is called limestone; rock of sand size grains is called sandstone, and rock of clay and silt size grains is called mudstone or claystone, siltstone, or shale. Modifiers such as shaly, sandy, dolomitic, calcareous, carbonaceous, etc. are used to describe various constituents. Examples: sandy shale; calcareous sandstone.

LIMESTONE	Light to dark colored, crystalline to fine-grained texture, composed of CaCO ₃ , reacts readily with HCl.
DOLOMITE	Light to dark colored, crystalline to fine-grained texture, composed of CaMg(CO ₃) ₂ , harder than limestone, reacts with HCl when powdered.
CHERT	Light to dark colored, very fine-grained texture, composed of micro-crystalline quartz (SiO ₂), brittle, breaks into angular fragments, will scratch glass.
SHALE	Very fine-grained texture, composed of consolidated silt or clay, bedded in thin layers. The unlaminated equivalent is frequently referred to as siltstone, claystone or mudstone.
SANDSTONE	Usually light colored, coarse to fine texture, composed of cemented sand size grains of quartz, feldspar, etc. Cement usually is silica but may be such minerals as calcite, iron-oxide, or some other carbonate.
CONGLOMERATE	Rounded rock fragments of variable mineralogy varying in size from near sand to boulder size but usually pebble to cobble size (½ inch to 6 inches). Cemented together with various cementing agents. Breccia is similar but composed of angular, fractured rock particles cemented together.

PHYSICAL PROPERTIES:

DEGREE OF WEATHERING

Slight	Slight decomposition of parent material on joints. May be color change.
Moderate	Some decomposition and color change throughout.
High	Rock highly decomposed, may be extremely broken.

BEDDING AND JOINT CHARACTERISTICS

Bed Thickness	Joint Spacing	Dimensions
Very Thick	Very Wide	> 10'
Thick	Wide	3' - 10'
Medium	Moderately Close	1' - 3'
Thin	Close	2" - 1'
Very Thin	Very Close	.4" - 2"
Laminated	—	.1" - .4"
Bedding Plane		A plane dividing sedimentary rocks of the same or different lithology.
Joint		Fracture in rock, generally more or less vertical or transverse to bedding, along which no appreciable movement has occurred.
Seam		Generally applies to bedding plane with an unspecified degree of weathering.

HARDNESS AND DEGREE OF CEMENTATION

Limestone and Dolomite:

Hard	Difficult to scratch with knife.
Moderately Hard	Can be scratched easily with knife, cannot be scratched with fingernail.
Soft	Can be scratched with fingernail.

Shale, Siltstone and Claystone

Hard	Can be scratched easily with knife, cannot be scratched with fingernail.
Moderately Hard	Can be scratched with fingernail.
Soft	Can be easily dented but not molded with fingers.

Sandstone and Conglomerate

Well Cemented	Capable of scratching a knife blade.
Cemented	Can be scratched with knife.
Poorly Cemented	Can be broken apart easily with fingers.

SOLUTION AND VOID CONDITIONS

Solid	Contains no voids.
Vuggy (Pitted)	Rock having small solution pits or cavities up to ½ inch diameter, frequently with a mineral lining.
Porous	Containing numerous voids, pores, or other openings, which may or may not interconnect.
Cavernous	Containing cavities or caverns, sometimes quite large.

Terracon

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests^A

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests ^A				Soil Classification			
				Group Symbol	Group Name ^B		
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravels More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5% fines ^C	$Cu \geq 4$ and $1 \leq Cc \leq 3^E$	GW	Well-graded gravel ^F		
		Gravels with Fines More than 12% fines ^C	Fines classify as ML or MH Fines classify as CL or CH	GP GM GC	Poorly graded gravel ^F Silty gravel ^{F,G,H} Clayey gravel ^{F,G,H}		
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3^E$ $Cu < 6$ and/or $1 > Cc > 3^E$	SW SP	Well-graded sand ^I Poorly graded sand ^I		
		Sands with Fines More than 12% fines ^D	Fines classify as ML or MH Fines Classify as CL or CH	SM SC	Silty sand ^{G,H,I} Clayey sand ^{G,H,I}		
			inorganic		$PI > 7$ and plots on or above "A" line ^J $PI < 4$ or plots below "A" line ^J	CL ML	Lean clay ^{K,L,M} Silt ^{K,L,M}
		organic		Liquid limit - oven dried < 0.75 Liquid limit - not dried	OL	Organic clay ^{K,L,M,N} Organic silt ^{K,L,M,O}	
Fine-Grained Soils 50% or more passes the No. 200 sieve	Silt and Clays Liquid limit less than 50	inorganic		PI plots on or above "A" line PI plots below "A" line	CH MH	Fat clay ^{K,L,M} Elastic Silt ^{K,L,M}	
		organic		Liquid limit - oven dried < 0.75 Liquid limit - not dried	OH	Organic clay ^{K,L,M,P} Organic silt ^{K,L,M,Q}	
		Silt and Clays Liquid limit 50 or more		inorganic		PT	Peat
		organic		Primarily organic matter, dark in color, and organic odor			

^ABased on the material passing the 3-in. (75-mm) sieve

^BIf field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^CGravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^DSands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

$$^E Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^FIf soil contains $\geq 15\%$ sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

^IIf soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^JIf Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^KIf soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^LIf soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

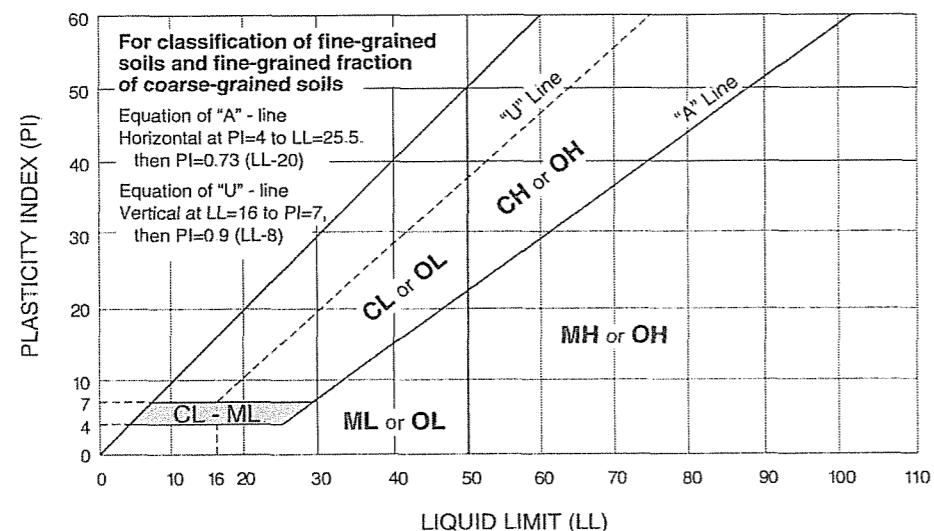
^MIf soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N $PI \geq 4$ and plots on or above "A" line.

^O $PI < 4$ or plots below "A" line.

^P PI plots on or above "A" line.

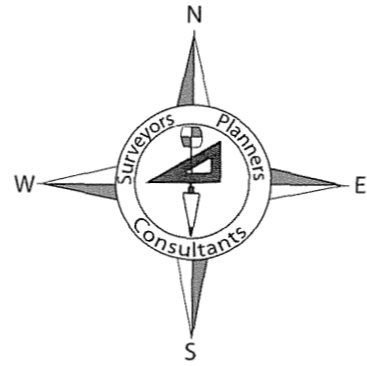
^Q PI plots below "A" line.



C

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

Directions to the Site From the County Seat of Adair County, Kentucky

**Bluegrass Cellular, Inc.
Cane Valley Site
Adair County, Kentucky**

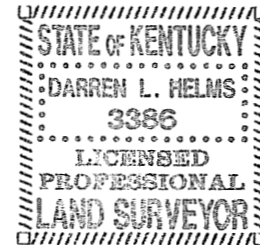
From the Adair County courthouse in downtown Columbia, Kentucky: travel north on Kentucky Highway 55 for 6.5 miles to Kentucky Highway 633 (Farris Road); turn left onto Kentucky Highway 633 and travel westerly for 1.6 miles to Farris Lane on the right, just before entering Green County; turn right onto Farris Lane and travel northerly for 0.2 miles to the tower site in a pasture near a trailer at the end of the lane. The address of the site is 1600 Farris Road, Columbia, Kentucky 42728.

Darren L. Helms

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

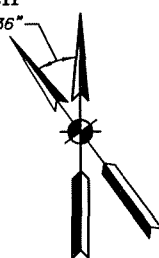
Jan. 28, 2009

Date



Site: Cane Valley Lease Boundary and Topographic Survey Adair County, Kentucky

True North
Grid North
00°14'36"



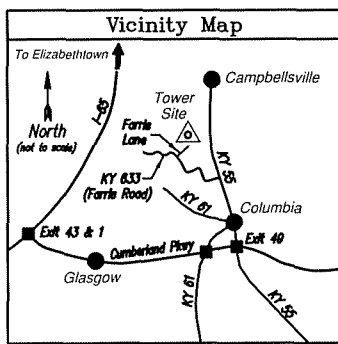
Basis of Bearings
The bearing system of this survey is based upon G.P.S. observations made on January 20, 2009 using the National Geodetic Survey monument "Z 225" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information
Designation: Cane Valley
Site ID#: None
Horizontal Datum: NAD 1983 (2007)
Longitude: 37°11'40.67" North
Latitude: 85°20'55.15" West
Vertical Datum: NAVD 1988
Ground Elevation: 822.3 feet (250.64 m)
State Plane Coordinates
Northing: 1,954,235 feet (595,652.091 m)
Easting: 1,757,317.33 feet (535,631.393 m)

Owner Information
Landowner: Jeffrey Biggs
Address: 1772 Farris Road
Columbia, Kentucky 42728
Contact Person: Jeffrey Biggs
Phone: 270-378-1333
PVA Map No. 027-010 and 037-030.004

Project Bench Mark
Northing: 1,954,235 feet (595,652 m)
Easting: 1,757,408 feet (535,659 m)
Elevation: 828.57 feet (252.549 m)
Description: A railroad spike set in the south side of an 8" Hickory, 10' above grade. The benchmark is approximately 92 feet east of the center of the tower.

Flood Plain Statement
According to the FEMA web site, this is an unmaped area. No flood information is available for the unincorporated areas of Adair County, Kentucky. However, a visual inspection of the site would indicate that the subject site does not lie within a flood prone area.



Directions to Site
From Elizabethtown, Kentucky: travel south on I-65 for about 50 miles to the Cumberland Parkway; turn onto the Cumberland Parkway and travel east for about 49 miles to Exit 49 and Kentucky Highway 55 near Columbia; turn left onto Kentucky 55 and travel north, passing through downtown Columbia at 1.0 miles, 7.5 miles in all to Kentucky Highway 633 (Farris Road); turn left onto Kentucky Highway 633 and travel westerly for 1.6 miles to Farris Lane on the right just before entering Green County; turn right onto Farris Lane and travel northerly for 0.2 miles to the tower site in a pasture and near a trailer at the end of the lane.

Proposed Self-Support Tower

Lot = 37°11'40.67" North (NAD 1983)
Lon. = 85°20'55.15" West (NAD 1983)
Ground Elev. = 822.3 feet or 250.64 m (NAVD 1988)

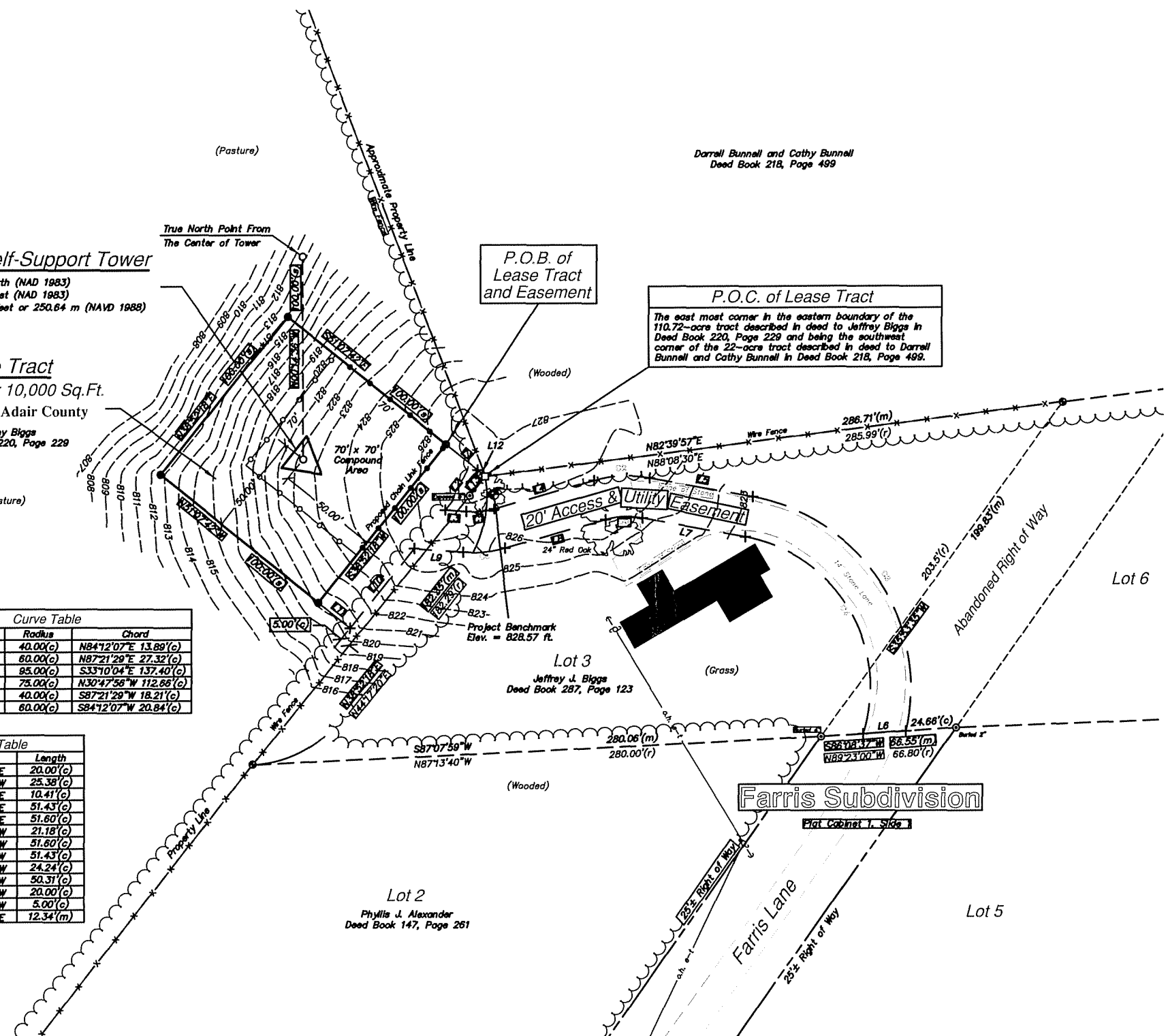
Lease Tract
0.230 Acres or 10,000 Sq.Ft.
No Zoning in Adair County
Jeffrey Biggs
Deed Book 220, Page 229

Curve Table

Curve	Length	Radius	Chord
C1	13.97(c)	40.00(c)	N84°12'07"E 13.89(c)
C2	27.56(c)	60.00(c)	N87°21'29"E 27.32(c)
C3	153.59(c)	95.00(c)	S33°10'04"E 137.40(c)
C4	127.46(c)	75.00(c)	N30°47'56"W 112.86(c)
C5	18.37(c)	40.00(c)	S87°21'29"W 18.21(c)
C6	20.95(c)	60.00(c)	S84°12'07"W 20.84(c)

Course Table

Course	Bearing	Length
L1	S51°07'42"E	20.00(c)
L2	S38°52'18"W	25.38(c)
L3	S85°47'45"E	10.41(c)
L4	N74°12'00"E	51.43(c)
L5	S79°29'02"E	51.60(c)
L6	S86°08'37"W	21.18(c)
L7	N79°29'02"W	51.60(c)
L8	N74°12'00"W	51.43(c)
L9	N65°47'45"W	24.24(c)
L10	S38°52'18"W	50.31(c)
L11	N51°07'42"W	20.00(c)
L12	N51°07'42"W	5.00(c)
L13	N38°52'18"E	12.34(m)



Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plot may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
- The topographic information contained on this plot was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Ann Melton, County Judge Executive of Adair County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's Office may be contacted at 270-384-4703.
- The proposed location of the Cane Valley cell site will be located outside of an incorporated city.

- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
 - 5/8" Rebar Set Flush - No Cap
 - ⊙ 5/8" Rebar Found As Noted With A Survey Cap Inscribed "T.A. Phipps 2488"
 - 2 1/2" x 4 1/2" Sandstone Found Exposed 2" Between Two Wood Corner Posts
 - ⊕ Axi Found Approximately Flush
 - × Calculated Position - No Monument Found or Set
 - Subject Boundaries
 - Easement Boundaries
 - - - Other Boundaries
 - - - Right of Way
 - ⊕ Utility Pole
 - ⊕ Electric Meter
 - ⊕ Guy Anchor
 - ⊕ Telephone Pedestal
 - (m) Measured
 - (r) Recorded
 - (c) Calculated
 - (s) Set

Lease Boundary and Easement Description

A tract of land that is located 500 feet north of intersection of Kentucky Highway 633 (Farris Road) and Farris Lane near the Cane Valley Community of Adair County, Kentucky; said tract being described as follows:

COMMENCING AT a 2 1/4-inch by 4 1/4-inch sandstone found exposed 2 inches at the east most corner in the eastern boundary of the 110.72-acre tract described in deed to Jeffrey Biggs in Deed Book 220, page 229 in the office the County Clerk of Adair County, Kentucky; said stone also being the southwest corner of the 22-acre tract described in deed to Darrell Bunnell and Cathy Bunnell in Deed Book 218, page 499 in said County Clerk's office; thence North 51 degrees 07 minutes 42 seconds West 25.00 feet to a 5/8-inch rebar set flush with a survey cap inscribed D.L. Helms PLS 3386; (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence South 39 degrees 52 minutes 18 seconds West 100.00 feet to a rebar set flush; thence North 51 degrees 07 minutes 42 seconds West 100.00 feet to a rebar set flush; thence South 51 degrees 07 minutes 42 seconds East 100.00 feet to a rebar set flush; thence South 51 degrees 07 minutes 42 seconds East 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to the northern terminus of Farris Lane; said easement being described as follows: BEGINNING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the east most corner of the above-described 0.230-acre lease tract; thence South 51 degrees 07 minutes 42 seconds East 20.00 feet; thence South 39 degrees 52 minutes 18 seconds West 25.38 feet; thence South 85 degrees 47 minutes 45 seconds East 10.41 feet; thence Northeastly 13.97 feet along an arc to the left and having a radius of 40.00 feet and subtended by a long chord having a bearing of North 84 degrees 12 minutes 07 seconds East and a length of 13.89 feet; thence North 74 degrees 12 minutes 00 seconds East 51.43 feet; thence East 27.56 feet along an arc to the right and having a radius of 60.00 feet and subtended by a long chord having a bearing of North 87 degrees 21 minutes 29 seconds East and a length of 27.32 feet; thence South 79 degrees 29 minutes 02 seconds East 51.60 feet; thence Southeastly 153.59 feet along an arc to the right and having a radius of 95.00 feet and subtended by a long chord having a bearing of South 33 degrees 10 minutes 04 seconds East and a length of 137.40 feet to the northern terminus of Farris Lane; thence along the northern end of Farris Lane, South 86 degrees 08 minutes 37 seconds West 21.18 feet; thence Northwestly 127.46 feet along an arc to the left having a radius of 75.00 feet and subtended by a long chord having a bearing of North 30 degrees 47 minutes 56 seconds West and a length of 112.86 feet; thence North 79 degrees 29 minutes 02 seconds West 51.60 feet; thence West 18.37 feet along an arc to the left and having a radius of 40.00 feet and subtended by a long chord having a bearing of South 87 degrees 21 minutes 29 seconds West and a length of 18.21 feet; thence South 74 degrees 12 minutes 00 seconds West 51.43 feet; thence Southwesterly 20.95 feet along an arc to the right and having a radius of 60.00 feet and subtended by a long chord having a bearing of South 84 degrees 12 minutes 07 seconds West and a length of 20.84 feet; thence North 85 degrees 47 minutes 45 seconds West 24.24 feet; thence South 38 degrees 52 minutes 18 seconds West 50.31 feet; thence North 51 degrees 07 minutes 42 seconds West 20.00 feet to the south most corner of the above-described 0.230-acre lease tract; thence North 38 degrees 52 minutes 18 seconds East 100.00 feet to the point of beginning.

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on January 20, 2009 using the National Geodetic Survey monument "Z 225". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on January 28, 2009. This survey is hereby referenced and made a part of these descriptions.

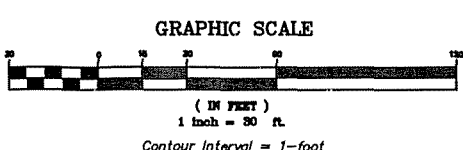
SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Jeffrey Biggs on February 13, 1997 in Deed Book 220, page 229 and on October 12, 2005 in Deed Book 287, page 123; both records being lodged in the office of the County Clerk of Adair County, Kentucky.

Surveyor's Certification

I hereby certify that this plot has been compiled from a survey actually made upon the ground under my direct supervision on January 20, 2009 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:48,300 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

Darren L. Helms, P.L.S. 3386

Date



Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0850
 Email: landmark@landmarksurvey.com
 Project No. 09-01-0107

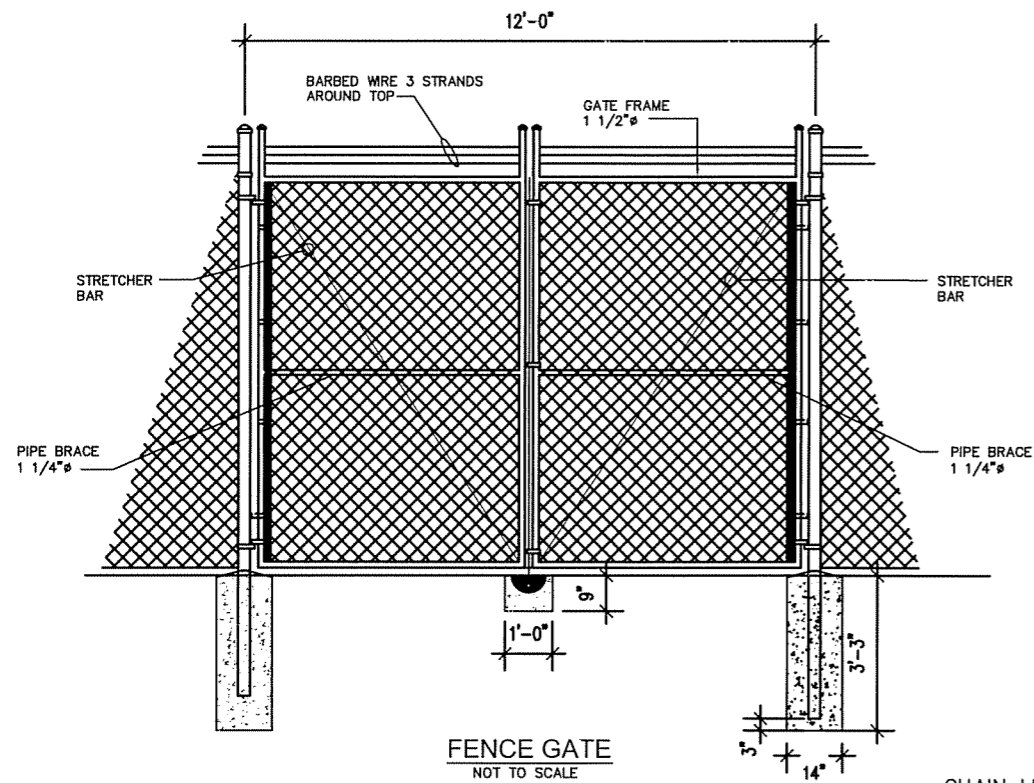
Lease Boundary Survey
 1600 Farris Road
 Columbia, Kentucky 42728

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

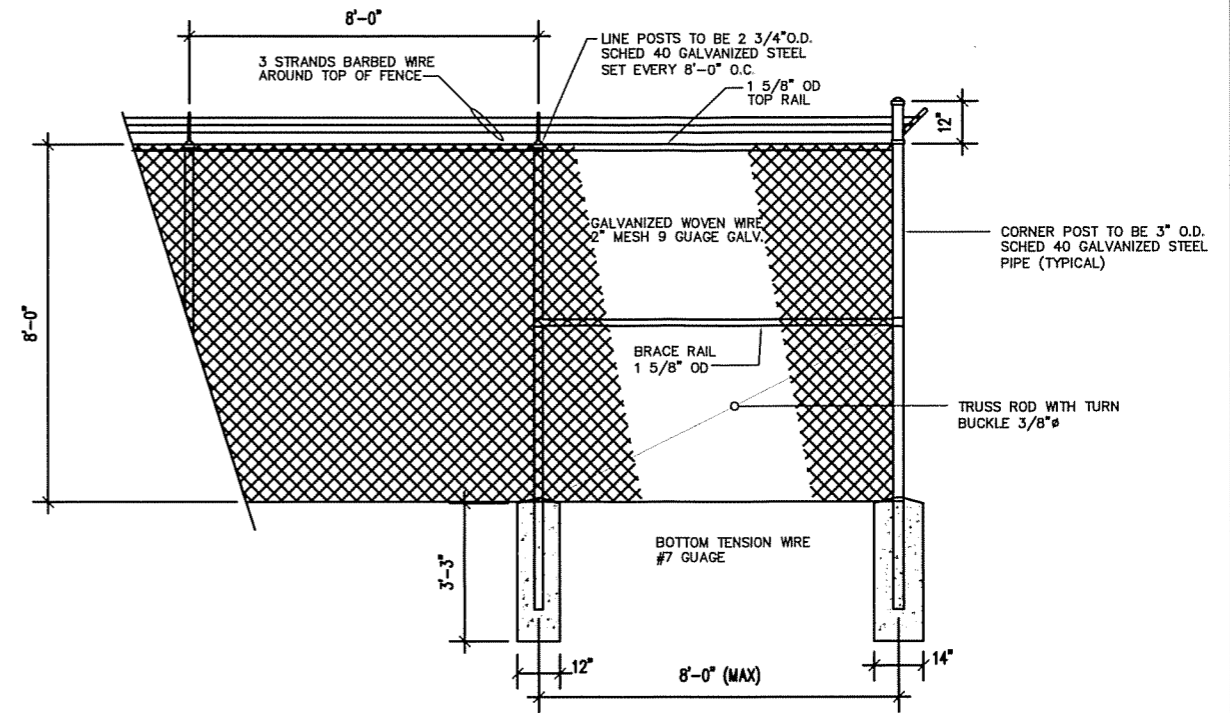
REVISIONS	DATE

DATE: 1-28-09
DRAWN BY: A. Winkler
CHECKED BY: D.L. Helms

SHEET NO.
1
OF 1 SHEETS
FILE NO.
cane.dwg



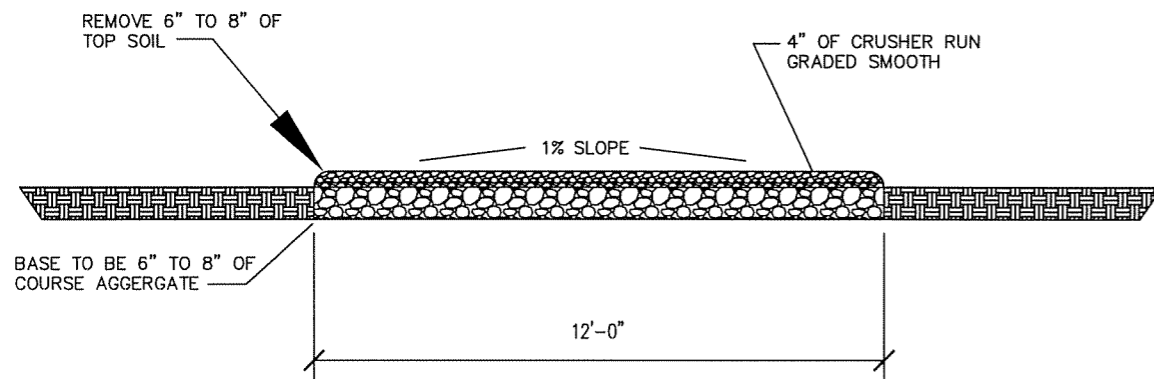
FENCE GATE
NOT TO SCALE



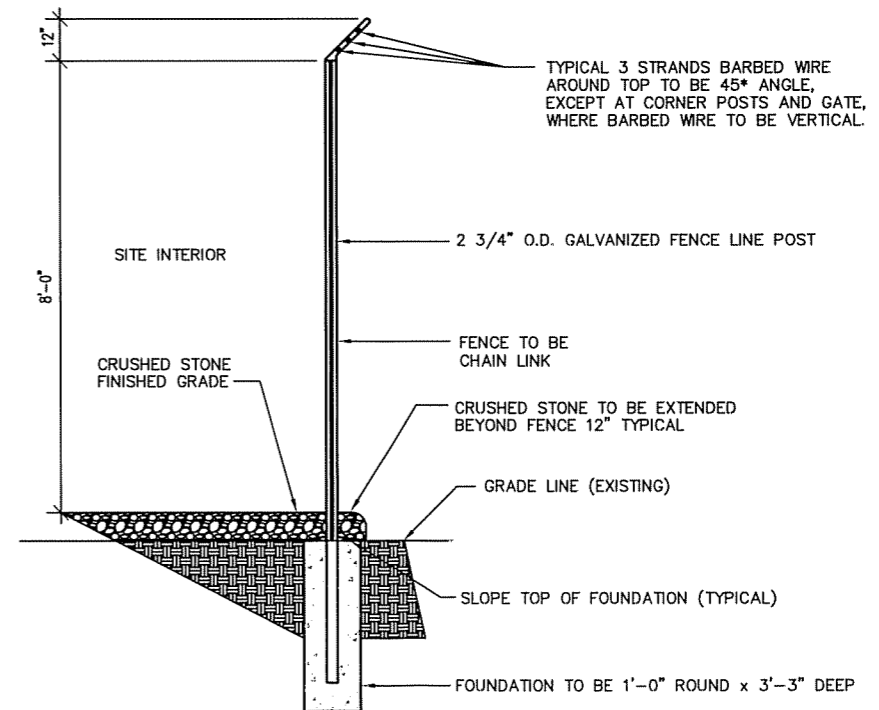
FENCE DETAIL END POLES
NOT TO SCALE

CHAIN LINK FENCING NOTES:

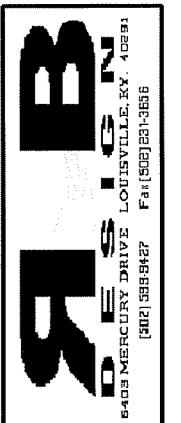
- FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- POSTS:** SHALL BE 2 3/4" O.D. SS 40 PIPE HOT GALVANIZED. THESE POSTS SHALL BE SPACED APPROXIMATELY 8'-0" ON CENTERS AND SET FULL 3'-3" IN BELL - SHAPED CONCRETE FOOTING, CROWNED AT TOP TO SHED WATER.
- TOP RAIL:** SHALL BE 1 5/8" O.C. STANDARD PIPE HOT GALVANIZED AND SHALL BE FURNISHED IN RANDOM LENGTHS AVERAGING NOT LESS THAN 20'.
- FABRIC TIES:** FOR ATTACHING FABRIC TO LINE POST, TOP RAIL OR TOP WIRE, SHALL BE ALUMINUM STRIP OF WIRE OF APPROVED GAUGE AND DESIGN. USED ON TOP OF RAIL EVERY 24" AND ONE POST EVERY 12'.
- EXTENSION ARMS:** CAST STEEL GALVANIZED TO ACCOMODATE 3 STRANDS OF BARB WIRE, SINGLE ARM SLOPED TO 45°, AND VERTICAL ON TOP OF SWING GATES.
- BARBED WIRE (STEEL):** ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS 4 POINTS AT 3" O.C.
- SWING GATE POSTS:** SHALL BE 3" O.C. STANDARD HOT GALVANIZED, WEIGHING 5.79 LBS. PER FOOT.
- GATES: (a) SWING GATES:** 2" O.C. STANDARD PIPE WITH INTERNAL BRACING OF 1 5/8" O.D. STANDARD PIPE; WELDED AT ALL JOINTS TO PROVIDE RIGID WATERTIGHT CONSTRUCTION. FABRIC SAME AS FENCE.
- FENCE TO BE 100% ERECTED WITHIN TEN(10) DAYS OF COMPLETION OF CONSTRUCTION, IF TIME FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT SUPERVISOR.



ROAD DETAIL
NOT TO SCALE



FENCE DETAIL LINE POLES
NOT TO SCALE



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CANE VALLEY
 1600 FARRIS RD. COLUMBIA, KY. 42728

DRAWN BY: R. BECKER
 ISSUE DATE: 1-26-09
 SCALE: LISTED

SHEET NUMBER
A-2

ALL LINES AND ANTENNAS TO BE PROPERLY MOUNTED TO TOWER OR STRUCTURE PER BLUEGRASS CELLULAR SPECIFICATIONS.

ALL GROUND BARS TO BE INSTALLED AND CAD WELDED TO GROUND FIELD (WHERE REQUIRED)

ALL LINES TO BE GROUNDED AT THE TOP AND BASE OF STRUCTURE OR TOWER.

ALL LINES TO BE GROUNDED AT ENTRANCE OF SHELTER BEFORE WAVE GUIDE PORTS. (EXTERIOR OF BUILDING)

LINES ARE TO BE SECURED TO ICE BRIDGE

WAVE-GUIDE BOOTS ARE TO BE INSTALLED ON ALL LINES (BOTH INSIDE AND OUTSIDE)

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12" & INSTALL POLYPHASERS, PER INSTRUCTION OF PROJECT SUPERVISOR.

CONTRACTORS TO SUPPLY POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE & LUGS.

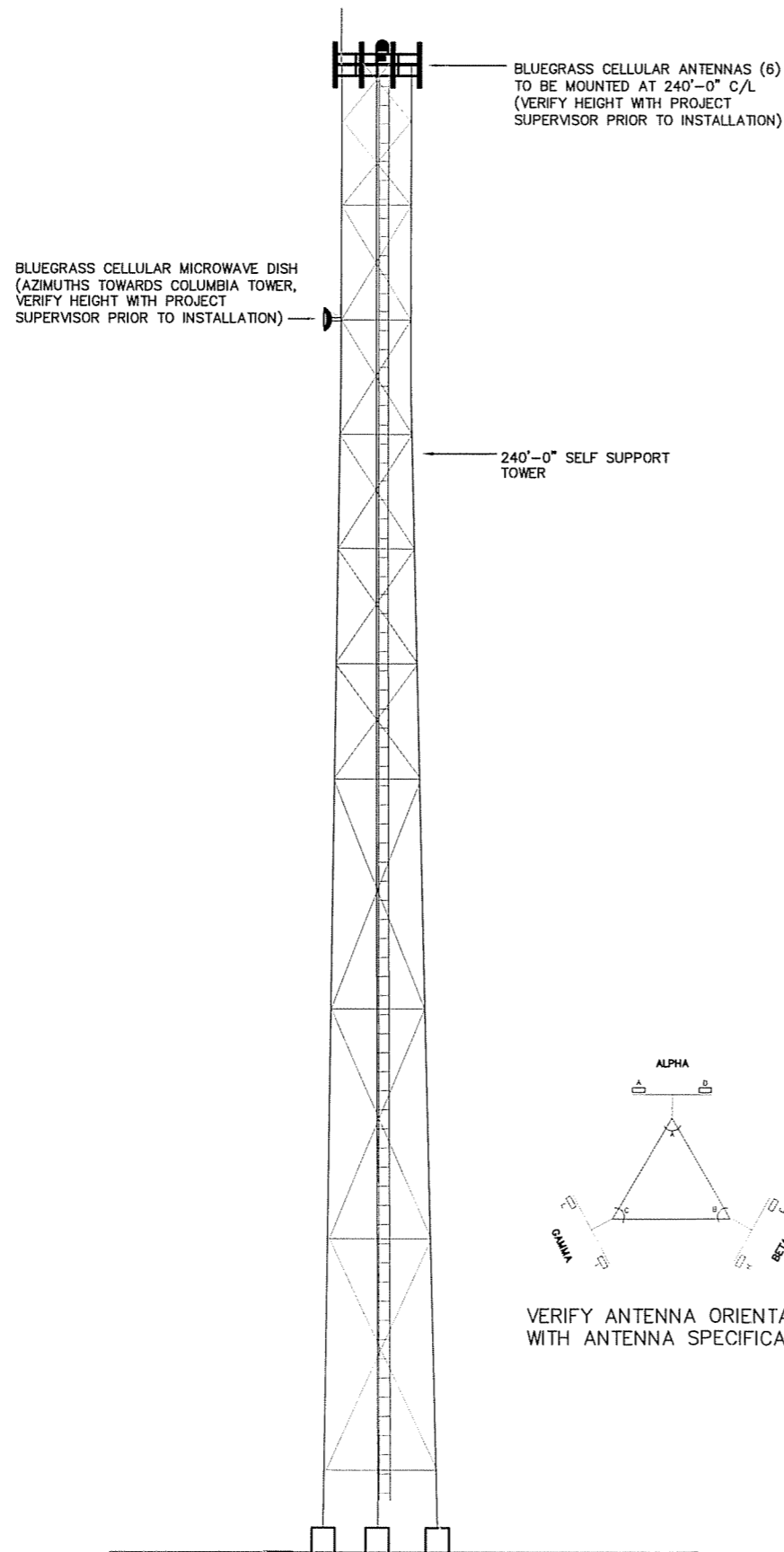
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	AP13-880-8500 ADT-XP	L=78.6 W=10.3 D=4.6	6	0*, 120*, 240*	240'-0" C/L VERIFY WITH CONSTRUCTION SUPERVISOR
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	TRI-SECTOR MOUNT		3
MOUNT (SECONDARY)			

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	ANDREW	1-5/8"	6
TRANSMISSION LINE (SECONDARY)			

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1	VERIFY W/PROJECT SUPERVISOR				VERIFY W/PROJECT SUPERVISOR
DISH #2					

DISH MOUNT SPECS

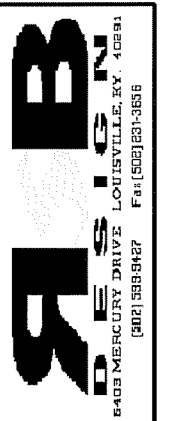
	TYPE	SIZE	NUMBER
MOUNT #1	VERIFY W/PROJECT SUPERVISOR		
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 2*E X,Y,Z
- * ANTENNA FREQUENCY 880.00 - 890.00



REVISION

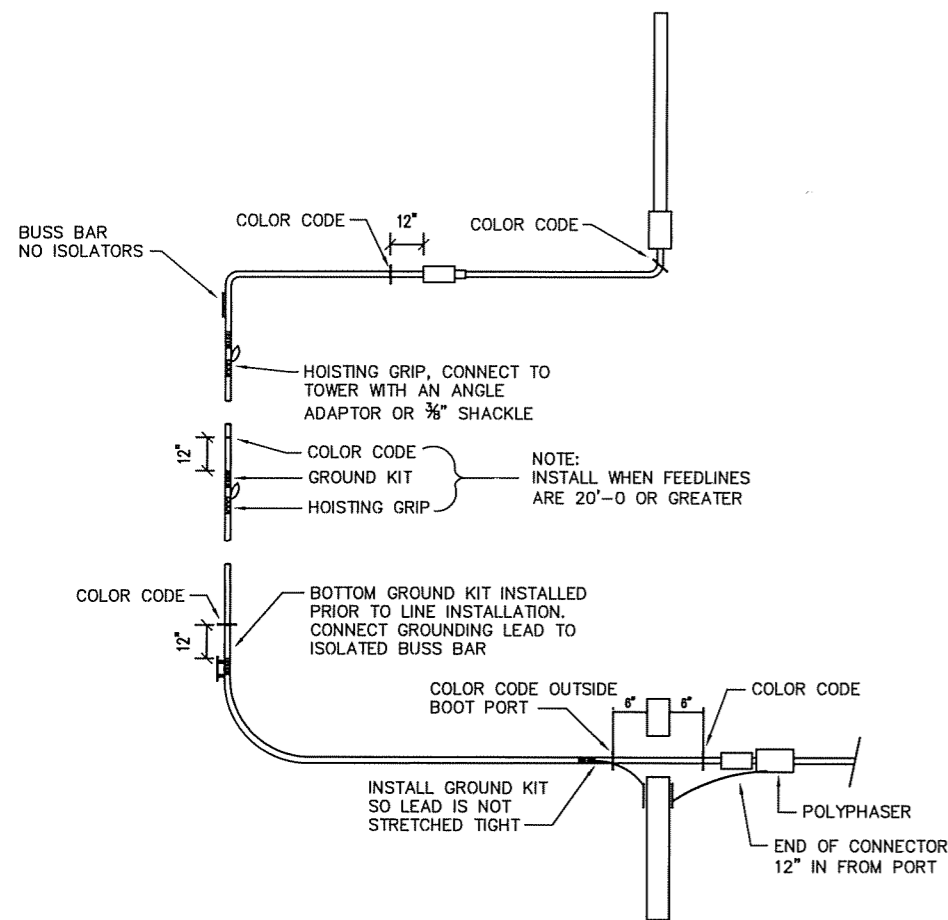
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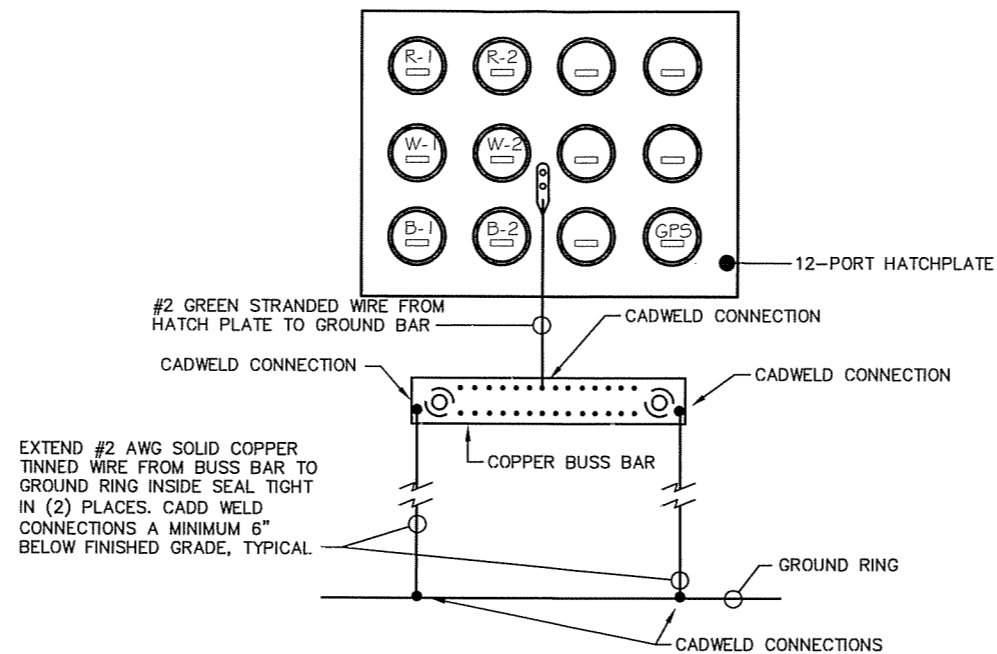
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CANE VALLEY
1600 FARRIS RD. COLUMBIA, KY. 42728

DRAWN BY: R. BECKER
ISSUE DATE: 1-26-09
SCALE: LISTED

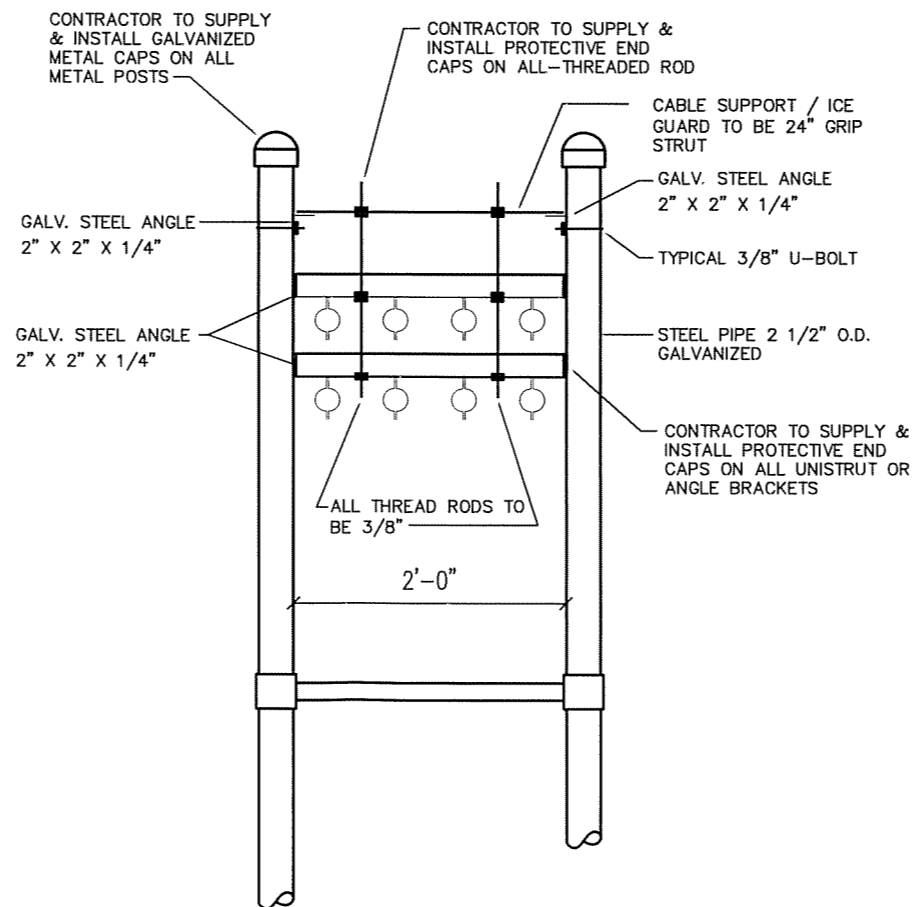
SHEET NUMBER
ANTENNA DETAILS
1



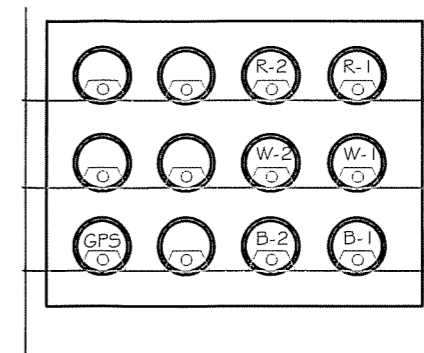
COLOR CODING DETAIL
NO SCALE



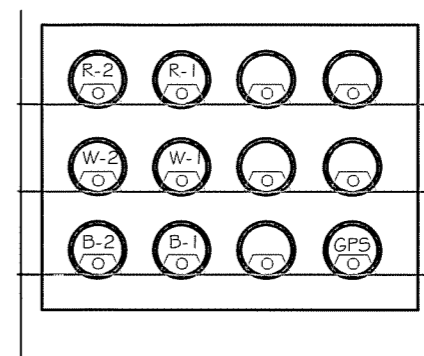
BOOT PORT GROUNDING DETAIL
NO SCALE



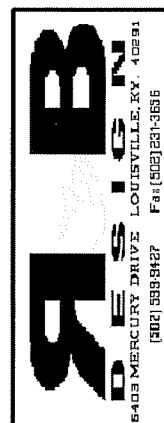
ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



COAX ENTRY DETAIL POWER SIDE
(VIEW FROM INSIDE SHELTER)
NO SCALE



COAX ENTRY DETAIL A/C SIDE
(VIEW FROM INSIDE SHELTER)
NO SCALE

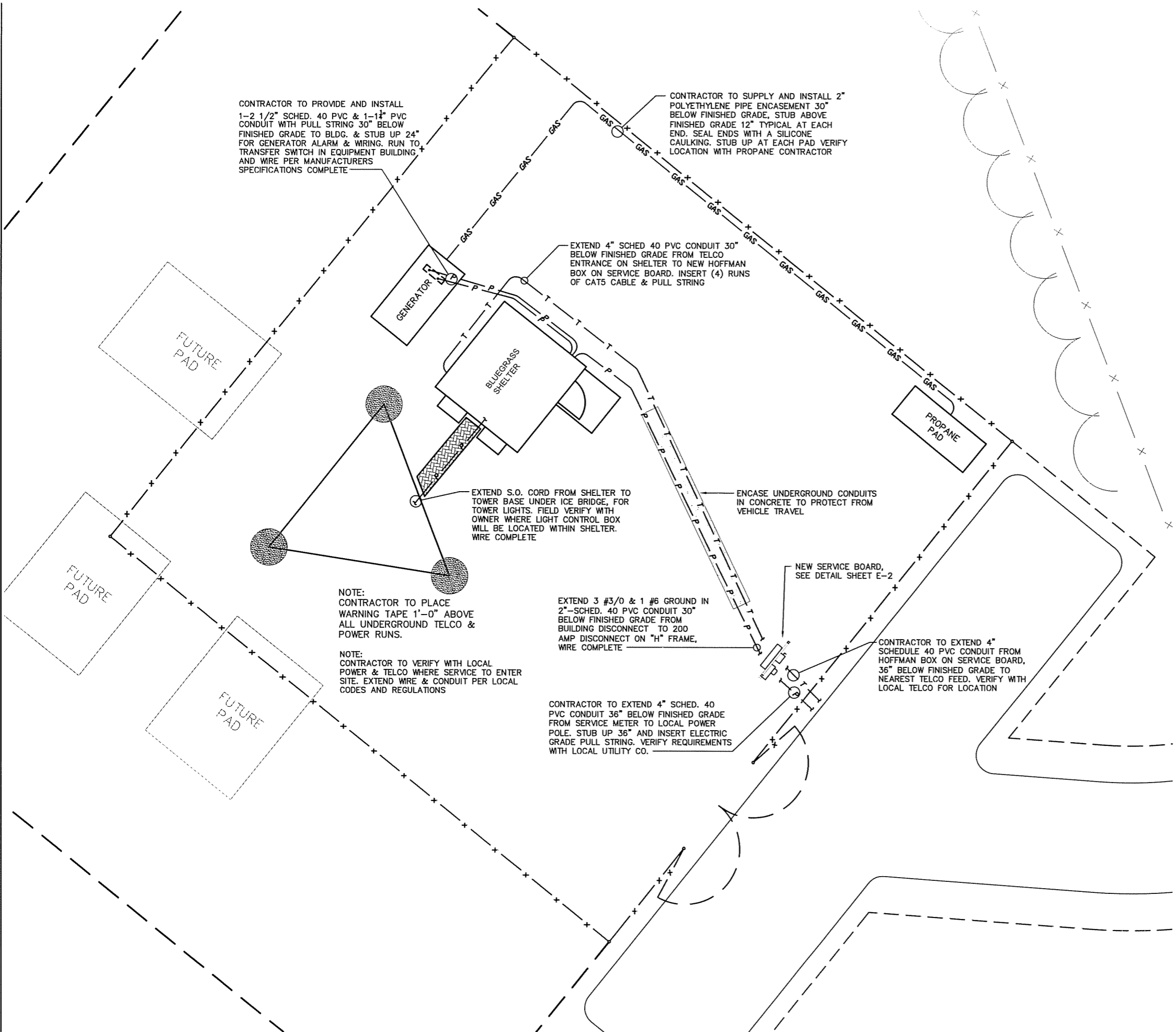


REVISION				
DATE				
NO.				

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CANE VALLEY
1600 FARRIS RD. COLUMBIA, KY. 42728

DRAWN BY: R. BECKER
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SHEET NUMBER
ANTENNA DETAILS
2



CONTRACTOR TO PROVIDE AND INSTALL 1-2 1/2" SCHED. 40 PVC & 1-1 1/2" PVC CONDUIT WITH PULL STRING 30" BELOW FINISHED GRADE TO BLDG. & STUB UP 24" FOR GENERATOR ALARM & WIRING. RUN TO TRANSFER SWITCH IN EQUIPMENT BUILDING AND WIRE PER MANUFACTURERS SPECIFICATIONS COMPLETE

CONTRACTOR TO SUPPLY AND INSTALL 2" POLYETHYLENE PIPE ENCASMENT 30" BELOW FINISHED GRADE, STUB ABOVE FINISHED GRADE 12" TYPICAL AT EACH END. SEAL ENDS WITH A SILICONE CAULKING. STUB UP AT EACH PAD VERIFY LOCATION WITH PROPANE CONTRACTOR

EXTEND 4" SCHED 40 PVC CONDUIT 30" BELOW FINISHED GRADE FROM TELCO ENTRANCE ON SHELTER TO NEW HOFFMAN BOX ON SERVICE BOARD. INSERT (4) RUNS OF CAT5 CABLE & PULL STRING

EXTEND S.O. CORD FROM SHELTER TO TOWER BASE UNDER ICE BRIDGE, FOR TOWER LIGHTS. FIELD VERIFY WITH OWNER WHERE LIGHT CONTROL BOX WILL BE LOCATED WITHIN SHELTER. WIRE COMPLETE

ENCASE UNDERGROUND CONDUITS IN CONCRETE TO PROTECT FROM VEHICLE TRAVEL

NEW SERVICE BOARD, SEE DETAIL SHEET E-2

EXTEND 3 #3/0 & 1 #6 GROUND IN 2"-SCHED. 40 PVC CONDUIT 30" BELOW FINISHED GRADE FROM BUILDING DISCONNECT TO 200 AMP DISCONNECT ON "H" FRAME, WIRE COMPLETE

CONTRACTOR TO EXTEND 4" SCHEDULE 40 PVC CONDUIT FROM HOFFMAN BOX ON SERVICE BOARD, 36" BELOW FINISHED GRADE TO NEAREST TELCO FEED. VERIFY WITH LOCAL TELCO FOR LOCATION

CONTRACTOR TO EXTEND 4" SCHED. 40 PVC CONDUIT 36" BELOW FINISHED GRADE FROM SERVICE METER TO LOCAL POWER POLE. STUB UP 36" AND INSERT ELECTRIC GRADE PULL STRING. VERIFY REQUIREMENTS WITH LOCAL UTILITY CO.

NOTE: CONTRACTOR TO PLACE WARNING TAPE 1'-0" ABOVE ALL UNDERGROUND TELCO & POWER RUNS.

NOTE: CONTRACTOR TO VERIFY WITH LOCAL POWER & TELCO WHERE SERVICE TO ENTER SITE. EXTEND WIRE & CONDUIT PER LOCAL CODES AND REGULATIONS

GENERAL ELECTRICAL NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
- 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDED APPROXIMATELY 20'-0" O/C. (CAD WELD ALL CONNECTIONS)
- 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDED CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDED TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
- 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.
- 11) IF CONDUIT RUNS BURIED LESS THAN REQUIRED DEPTHS, CONTACT BLUEGRASS CELLULAR FOR FURTHER INSTRUCTIONS

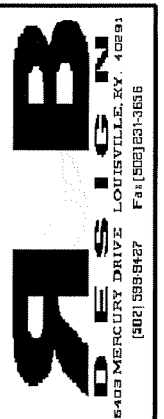
NOTE: CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS. (TAKE PICTURES)

SYMBOLS LEGEND

—P—	POWER
—G—	GAS
—T—	TELEPHONE
—X—	FENCE
⊞	SWITCH (DISCONNECT)
⊞	METER PACK

SITE PLAN- ELECTRICAL

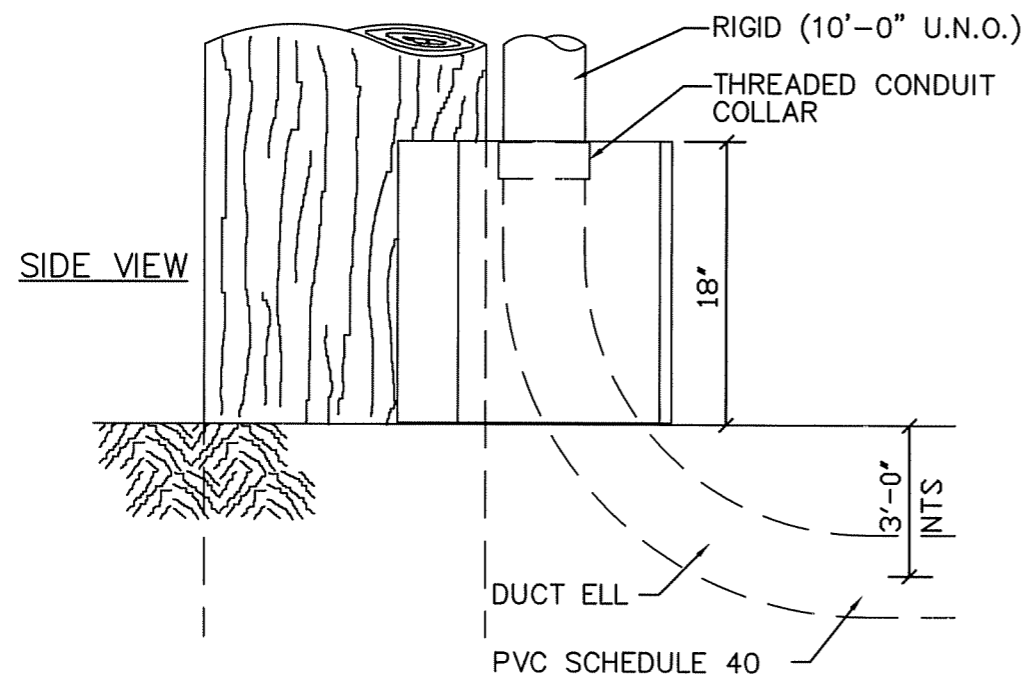
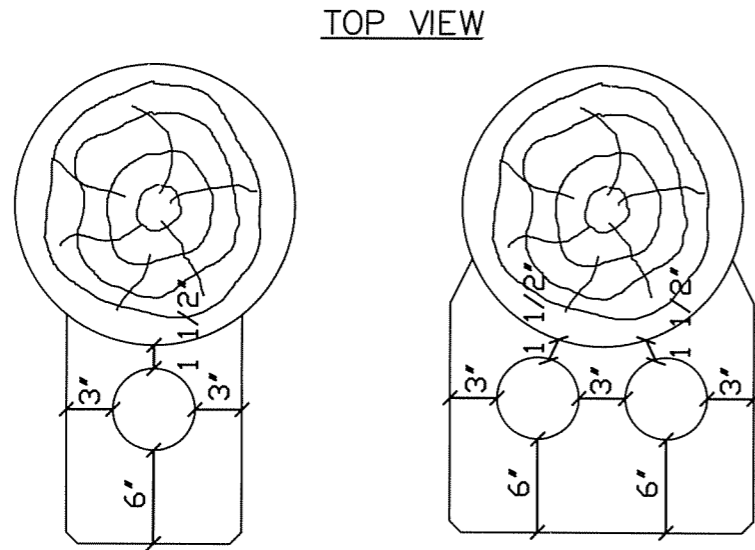
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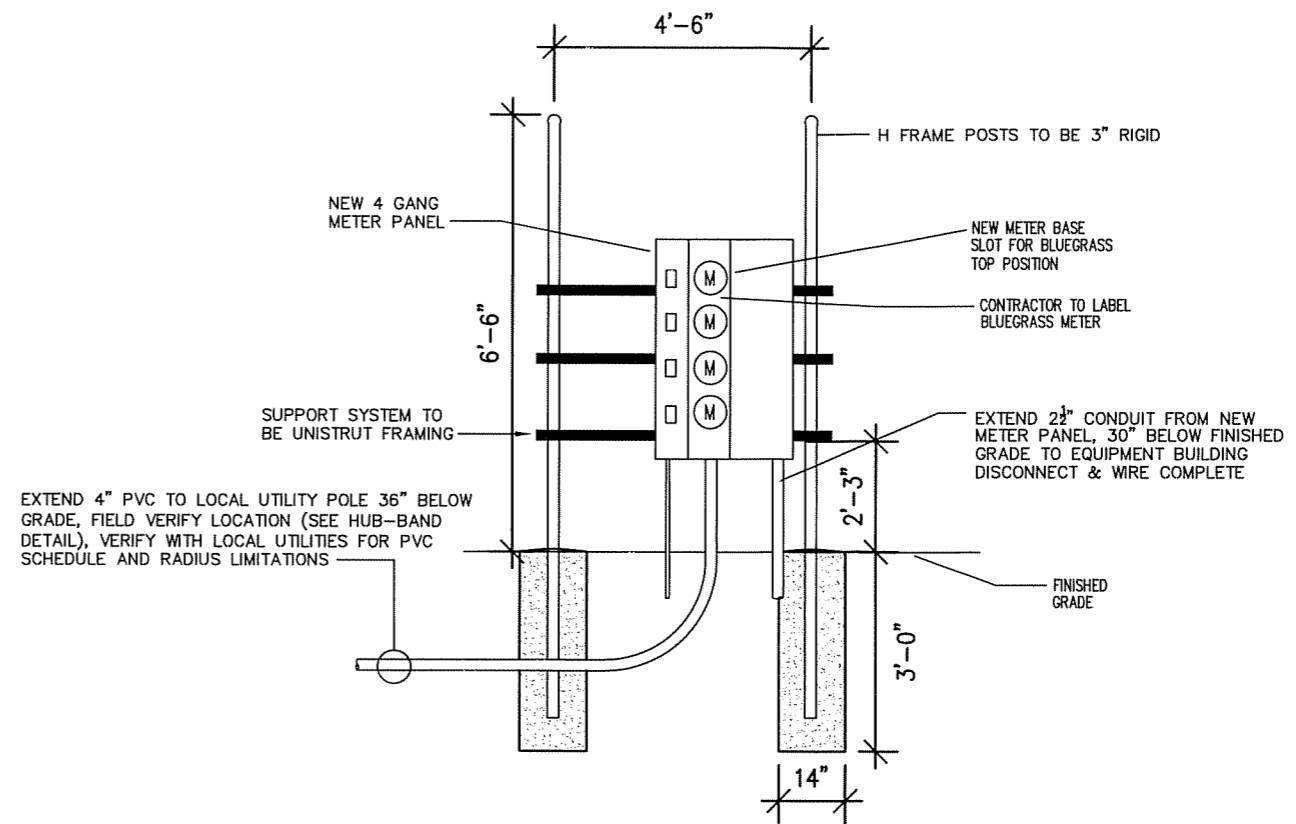
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CANE VALLEY
 1600 FARRIS RD. COLUMBIA, KY. 42728

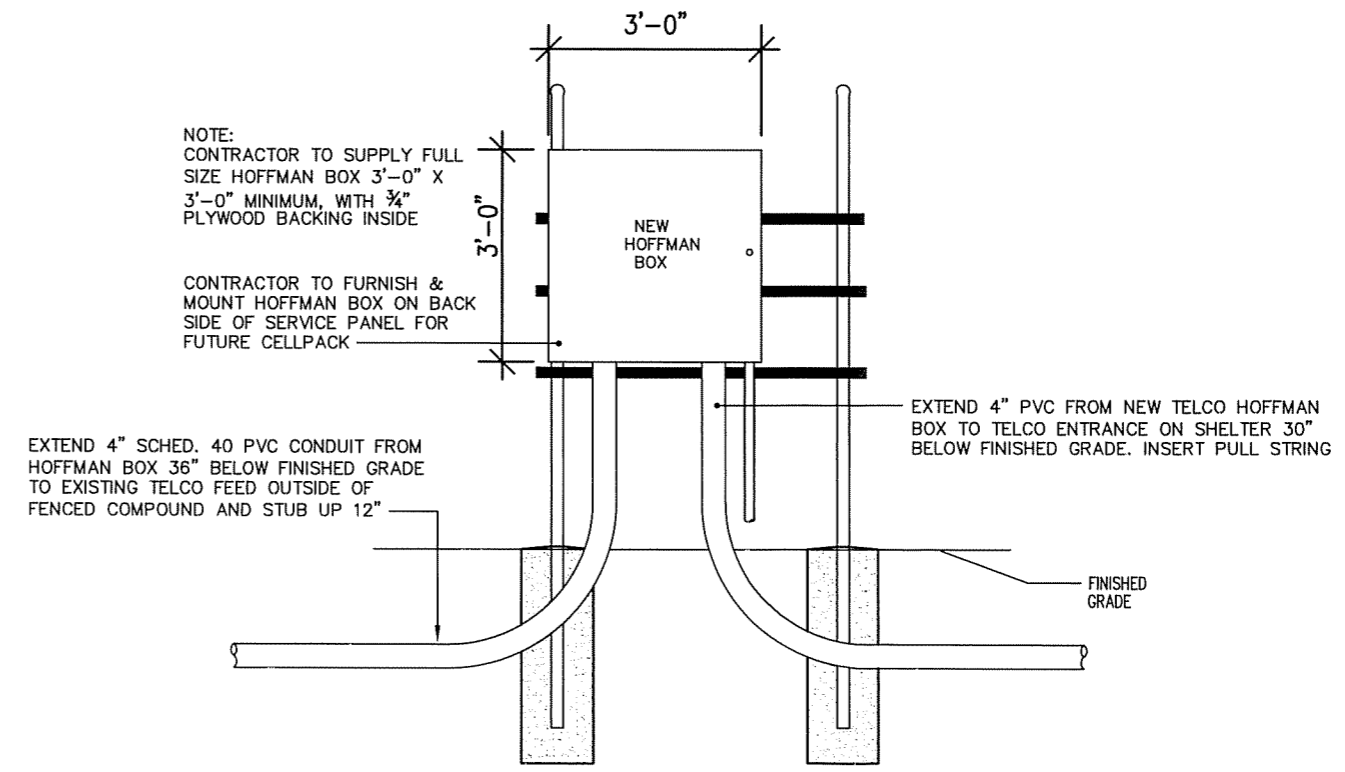
DRAWN BY: R. BECKER	ISSUE DATE: 1-26-09	SCALE: LISTED
SHEET NUMBER E-1		



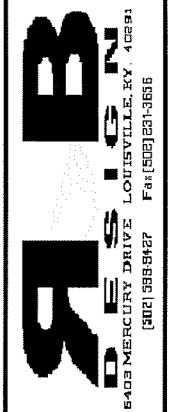
HUB-BAND DETAIL
NO SCALE



SERVICE BOARD DETAIL
NO SCALE



BACKBOARD DETAIL
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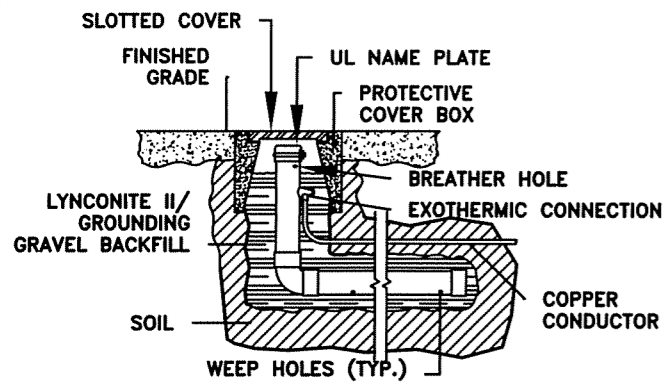


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CANE VALLEY
1600 FARRIS RD. COLUMBIA, KY. 42728

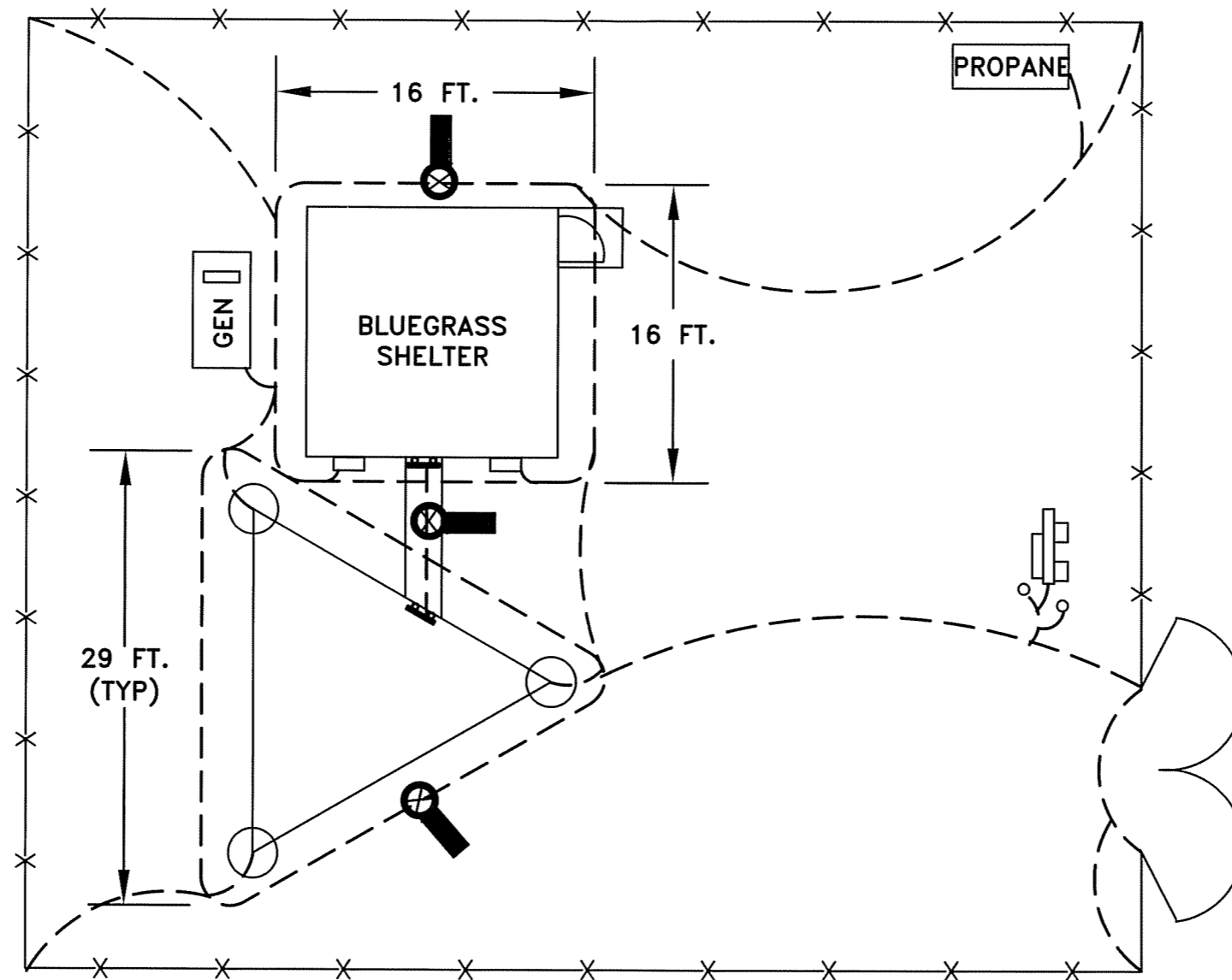
DRAWN BY: R. BECKER
ISSUE DATE: 1-26-09
SCALE: LISTED

SHEET NUMBER
E-2



L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

DETAIL A



NOTES:

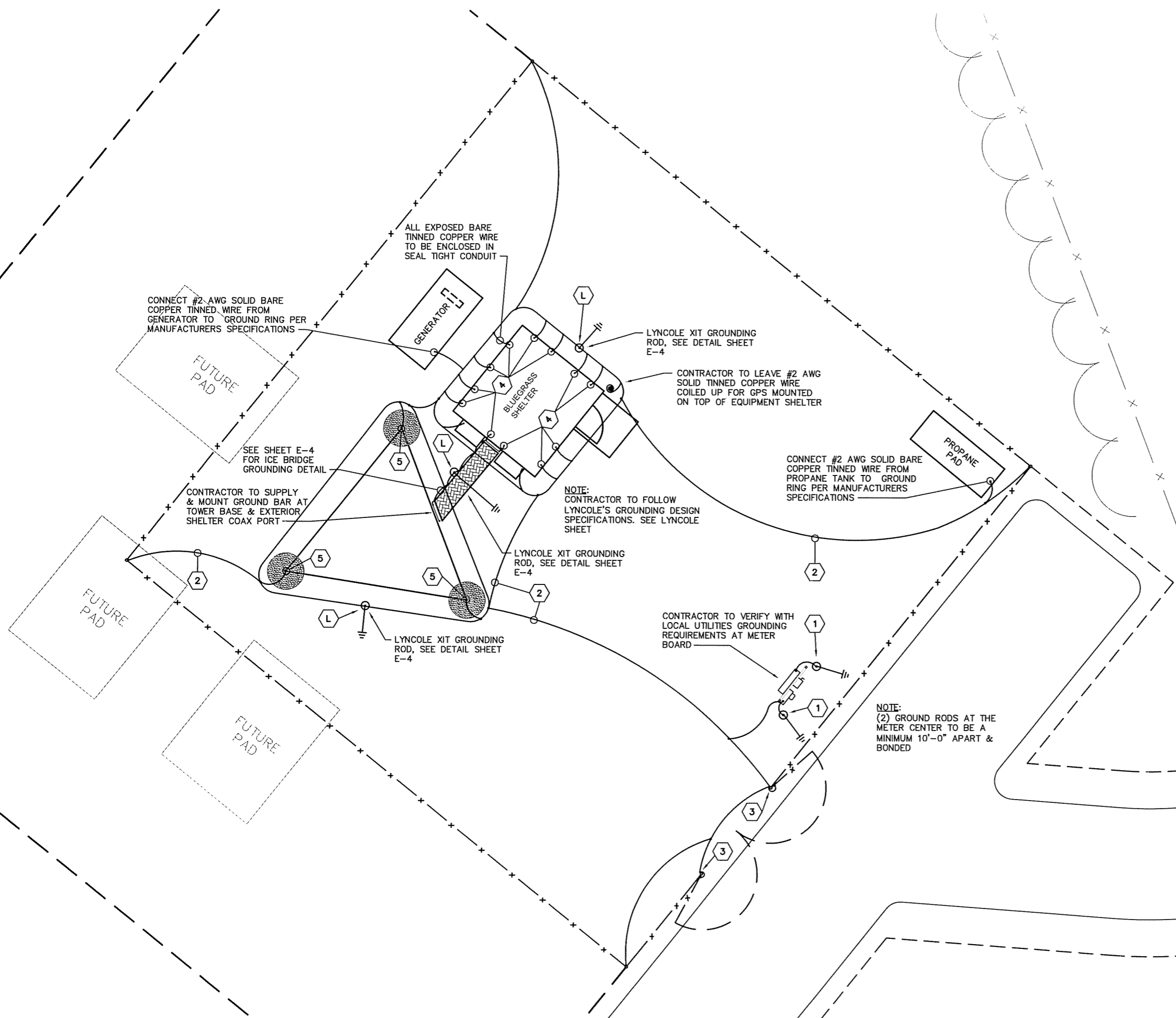
— X — FENCE LINE

----- BARE #2 SOLID TINNED COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER



K2L-10CS (SEE DETAIL A)

		CLIENT / END USER	
		RSB DESIGN/BLUEGRASS	
DRAWING	PROJECT NAME		
1	CANE VALLEY		
TITLE			
GROUNDING OPTION			
LOCATION: CITY, STATE		CALCULATED RESISTANCE	
COLUMBIA, KY		< 5 OHMS	
DRAWN BY	APPROVED BY	DATE	
RFW		02/04/2009	
SOIL DATA PROVIDED BY		REFERENCE NUMBER	LTS NUMBER
TERRACON		N/A	090014
		SCALE	
		NONE	



- GENERAL ELECTRICAL NOTES:**
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
 - 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDED APPROXIMATELY 20'-0" O/C. (CAD WELD ALL CONNECTIONS)
 - 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDED CONFIGURATION TO BE IN PARALLEL.
 - 6) CONTACT POINTS FOR GROUNDED TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
 - 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
 - 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
 - 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
 - 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED AT 9" BELOW GRADE.

NOTE:
CONTRACTOR TO FOLLOW LYNCOLES GROUNDED SPECIFICATIONS WHEN USING THEIR XIT GROUNDED RODS. SEE DETAIL SHEET E-4.

- KEYNOTES:**
- (L) LYNCOLE XIT GROUNDED ROD TO BE INSTALLED WHERE SHOWN AND TO MANUFACTURERS SPECIFICATIONS. (SEE LYNCOLE SPECIFICATIONS)
 - (1) GROUNDED RODS 10'-0" LONG x 3/4" COPPER BONDED GROUNDED RODS
 - (2) INSTALL AND PROVIDE SOLID BARE TINNED COPPER WIRE #2 AWG, GROUNDED RING BELOW GRADE 30". USE #2 AWG SOLID BARE TINNED COPPER GROUNDED "TAP" CONNECTING CONDUCTORS. (CONNECTIONS FOR ALL TAP CONDUCTORS TO BE PARALLEL AND "CAD WELD" CONNECTIONS)
 - (3) FLEXIBLE GROUNDED STRAP TO BE USED TO PROVIDE A COMMON BOND BETWEEN GATE AND CHAIN LINK FENCE, #2 AWG SOLID COPPER BARE TINNED CONDUCTOR FROM GROUNDED RING TO FENCE USING CAD WELD CONNECTIONS. GROUNDED TAP TO BE PROVIDED ON EACH 4 SIDES TO GROUNDED RING AS DESCRIBED ABOVE.
 - (4) BONDED GROUNDED TO BE PROVIDED TO GROUNDED RING FOR EACH OF THE FOLLOWING: BUILDING STEEL, HATCH PLATE, EMERGENCY RECEPTACLE, WAVE GUIDE STRUCTURE, FRAME WORK, BUILDING DISCONNECT.
 - (5) FOR TOWER FRAME GROUNDED, REMOVE GALVANIZED COATING COMPLETELY AT SPOT TO "CAD WELD" TO AND CLEAN. #2 AWG SOLID BARE TINNED COPPER CONDUCTOR TO BE CAD WELDED APPROXIMATELY 1'-0" ABOVE FOUNDATION OR AT FLANGE IF PROVIDED BY TOWER MANUFACTURER. EXTEND CONDUCTOR TO GROUNDED RING. RIGHT ANGLES NOT ACCEPTED ALL BENDS TO BE SWEEPING.

SITE PLAN-GROUNDED

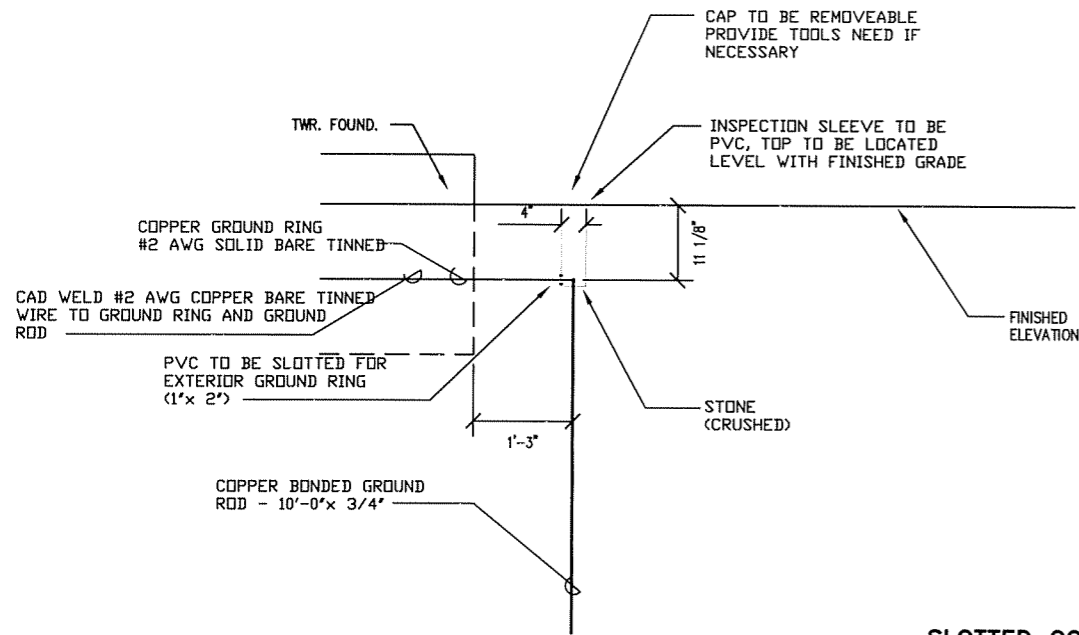
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BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CANE VALLEY
1600 FARRIS RD. COLUMBIA, KY. 42728

NO.	DATE	REVISION

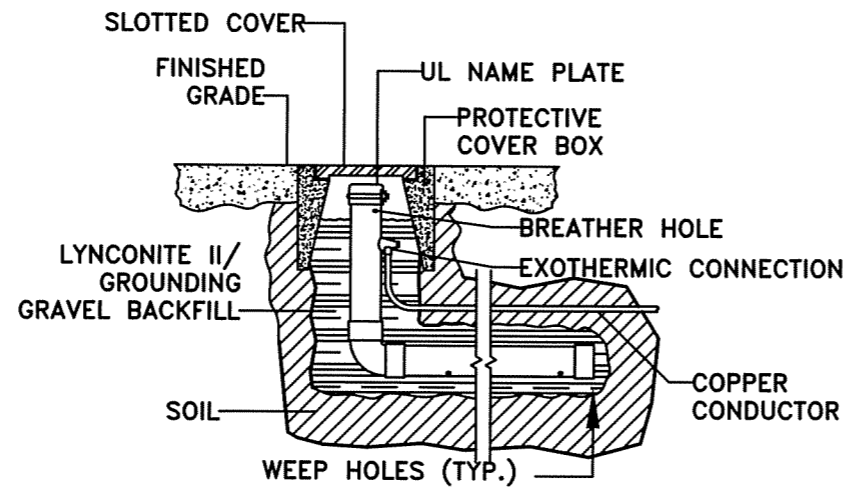
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ISSUE DATE: 1-26-09
SCALE: LISTED

SHEET NUMBER
E-3



GROUND ROD DETAIL

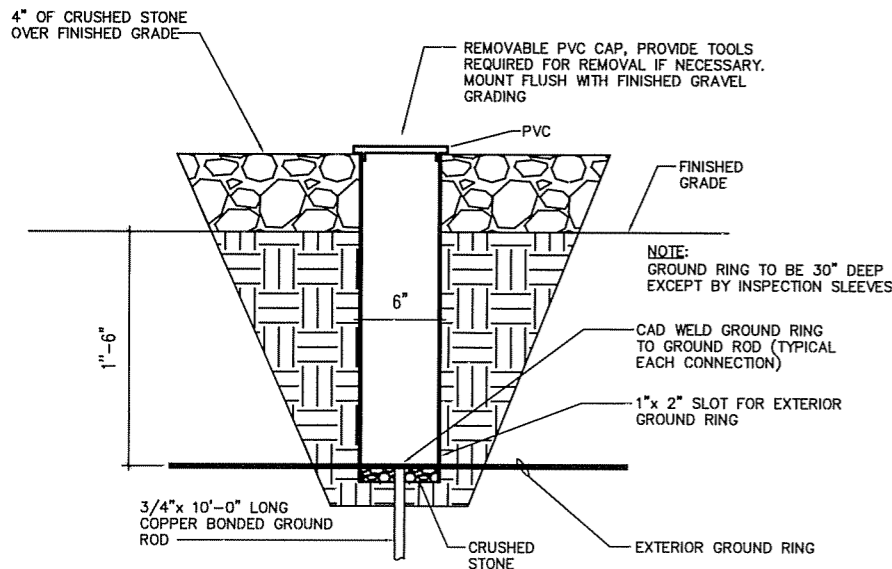
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L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

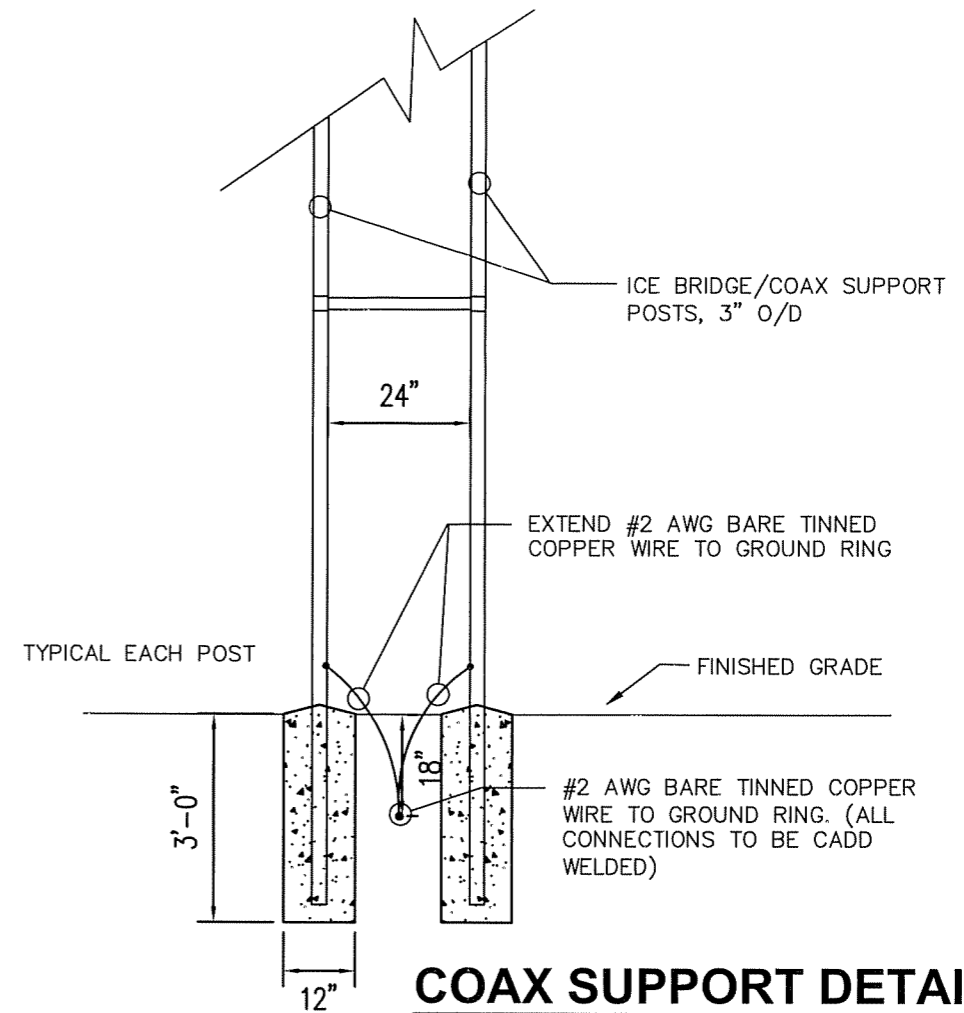
LYNCOLE XIT ROD DETAIL

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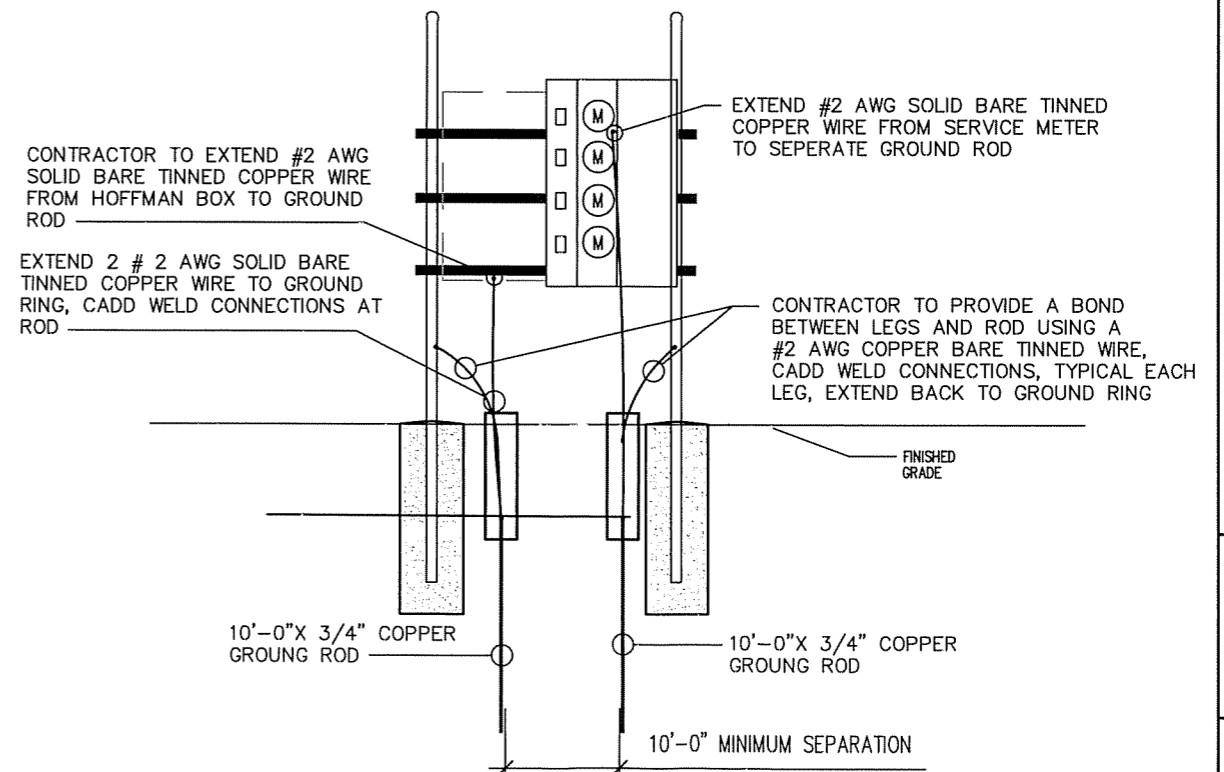
GROUND SLEEVE DETAIL

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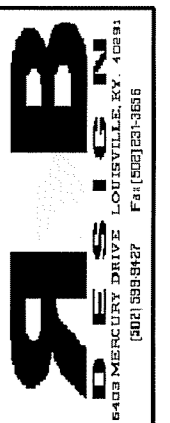
COAX SUPPORT DETAIL

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SERVICE BOARD DETAIL

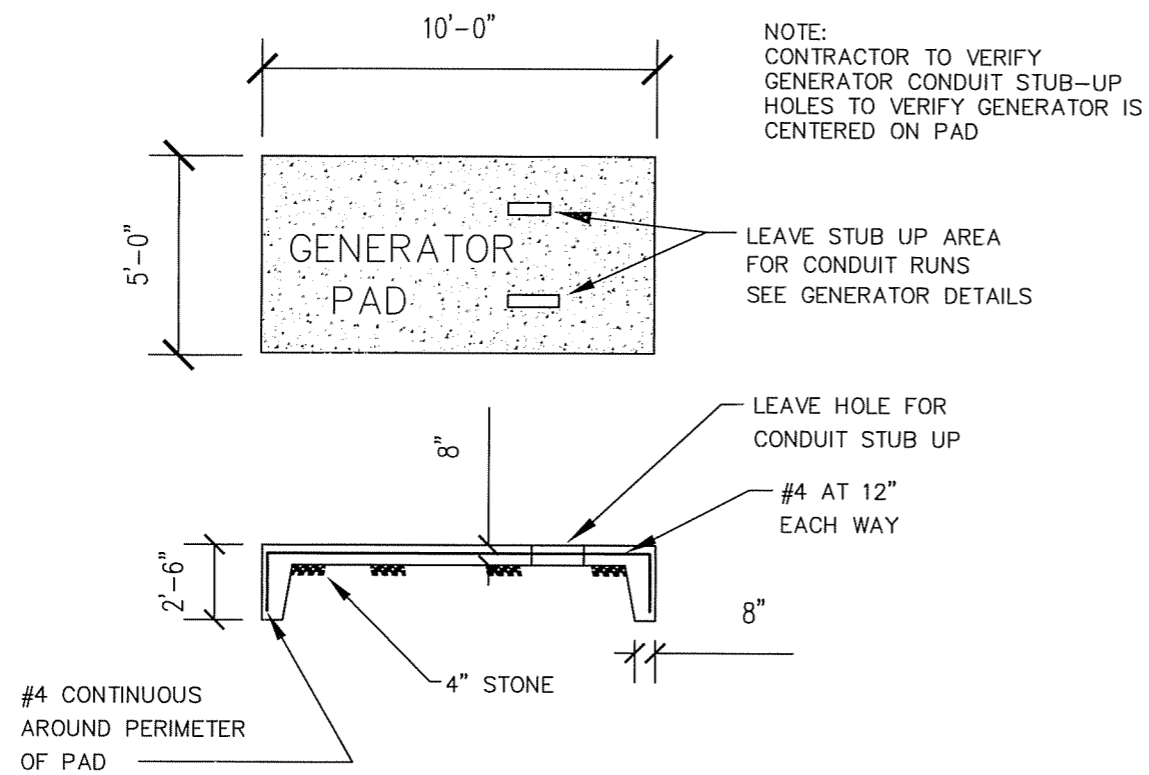
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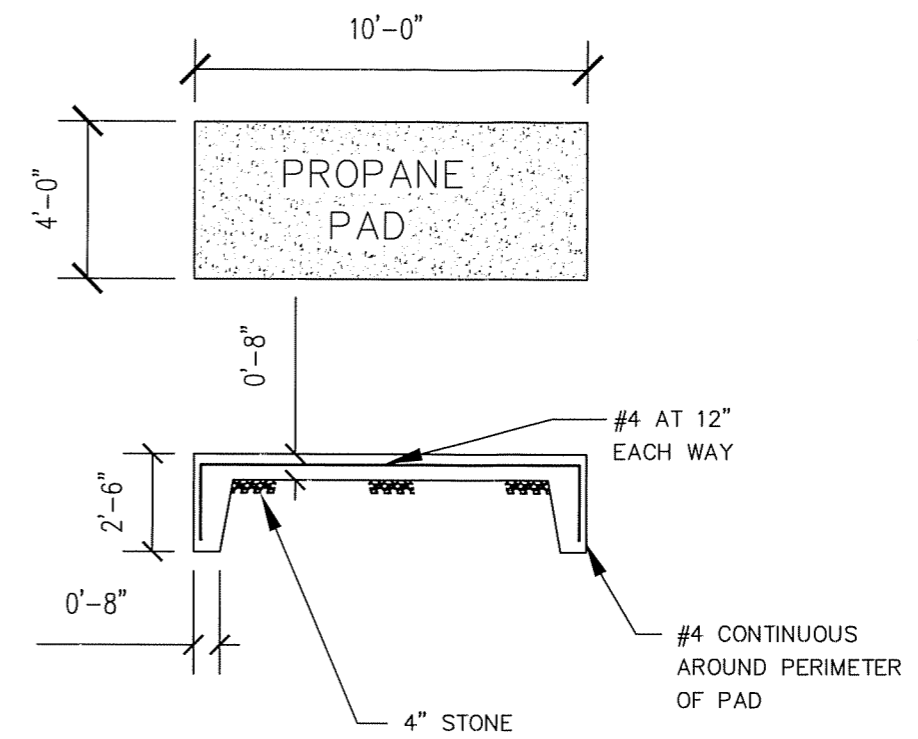
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
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CANE VALLEY
1600 FARRIS RD. COLUMBIA, KY. 42728

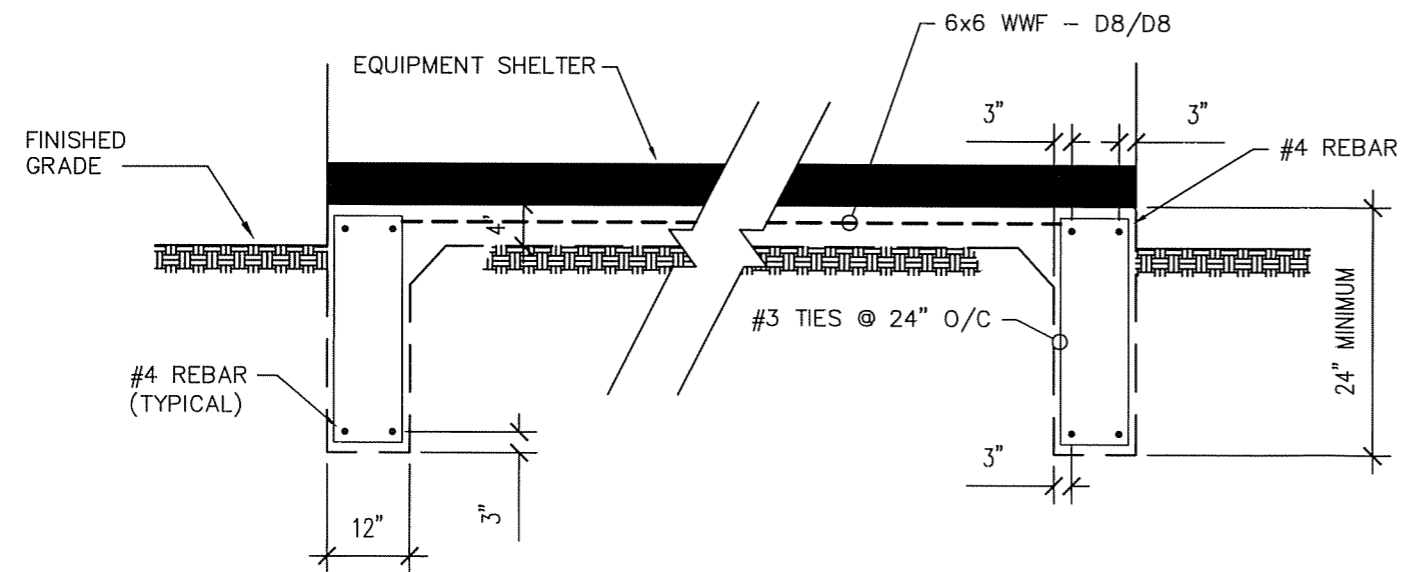
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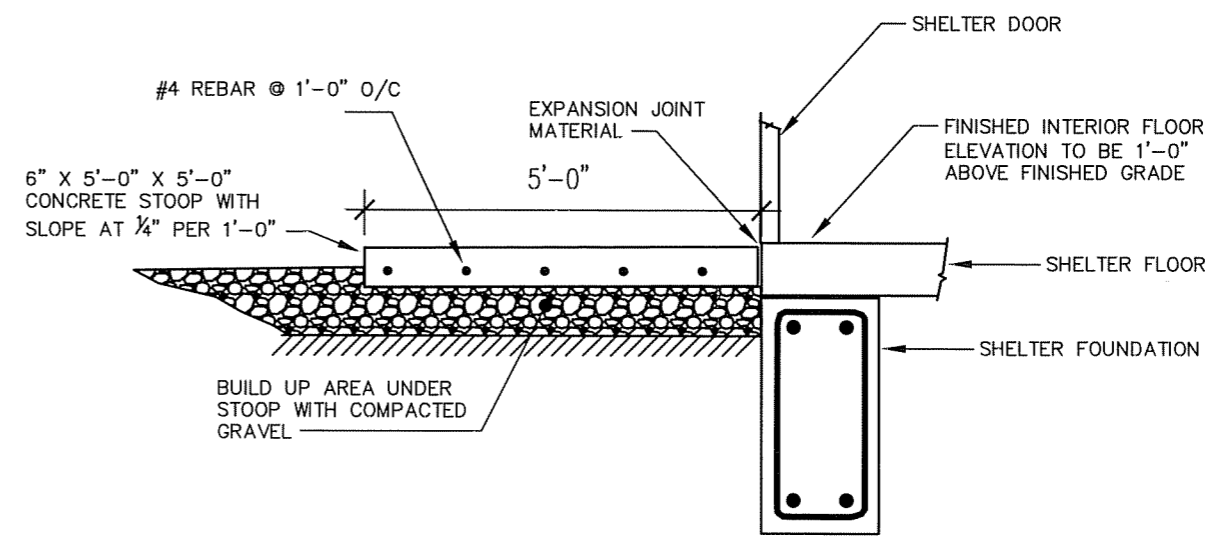
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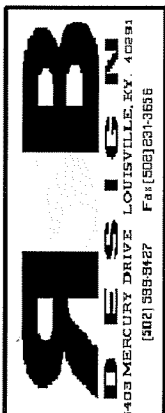
FOUNDATION DETAIL
NO SCALE



SHELTER FOUNDATION PLAN
NO SCALE



CONCRETE STOOP DETAIL
NO SCALE



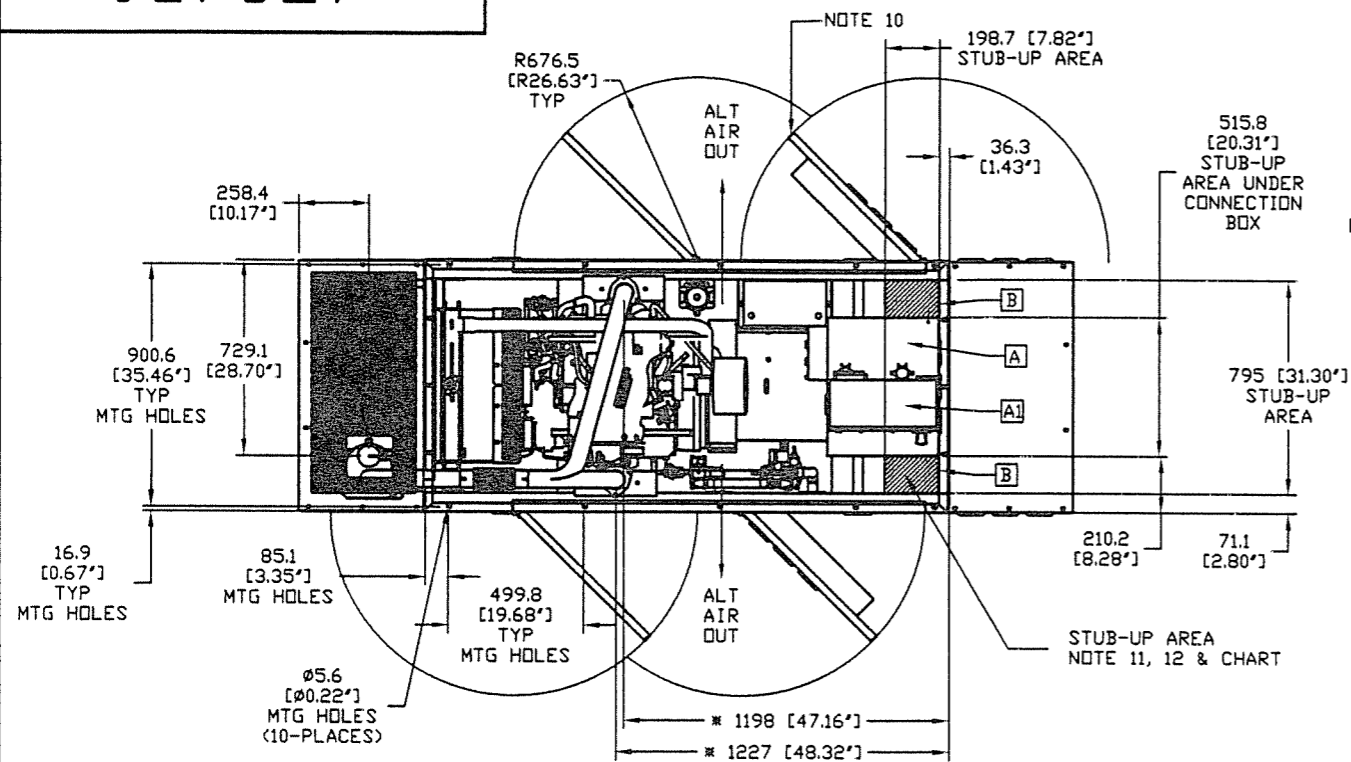
6403 MERCURY DRIVE LOUISVILLE, KY. 40299
(602) 988-9182 Fax: (502) 631-3336

NO.	DATE	REVISION

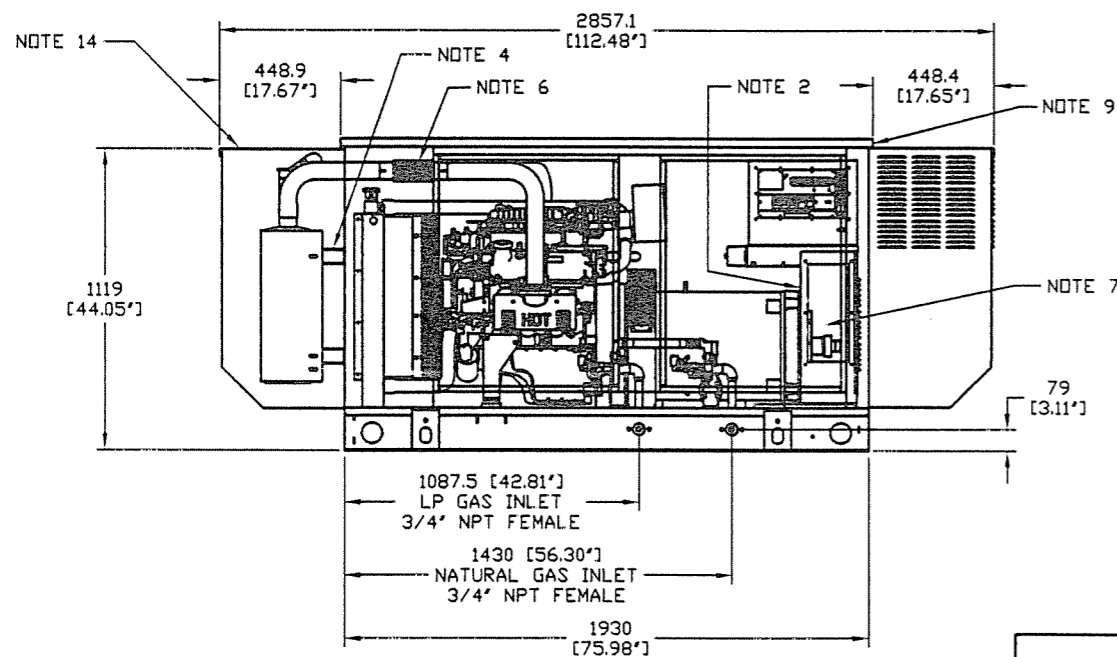
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
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1600 FARRIS RD. COLUMBIA, KY. 42728

DRAWN BY: R. BECKER	ISSUE DATE: 1-26-09	SCALE: LISTED
SHEET NUMBER		
S-1		

OG7627

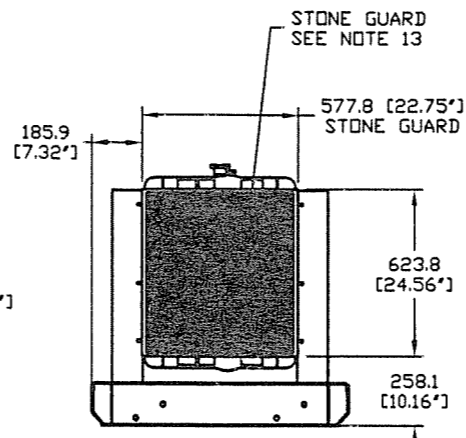


TOP OR PLAN VIEW



LEFT SIDE VIEW

APPLICABLE TO 4.5L G3 35, 40 & 45KW



RADIATOR END VIEW WITH STONE GUARD OPTION

RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)

DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT) (LEFT)	A A'
ADDITIONAL STUB UP AREA FOR 120VAC GFCI OUTLET, (STANDARD BLOCK HEATER, BATTERY CHARGER, AND OTHER 120 VAC OPTIONS).	B

NOTE:
FUEL SYSTEM SET UP WITH OUTSIDE STUB-UPS (SEE RIGHT SIDE VIEW).

WEIGHT DATA
UNIT: ??? kg [??? lbs.]
STEEL ENCLOSURE: ??? kg [??? lbs.]

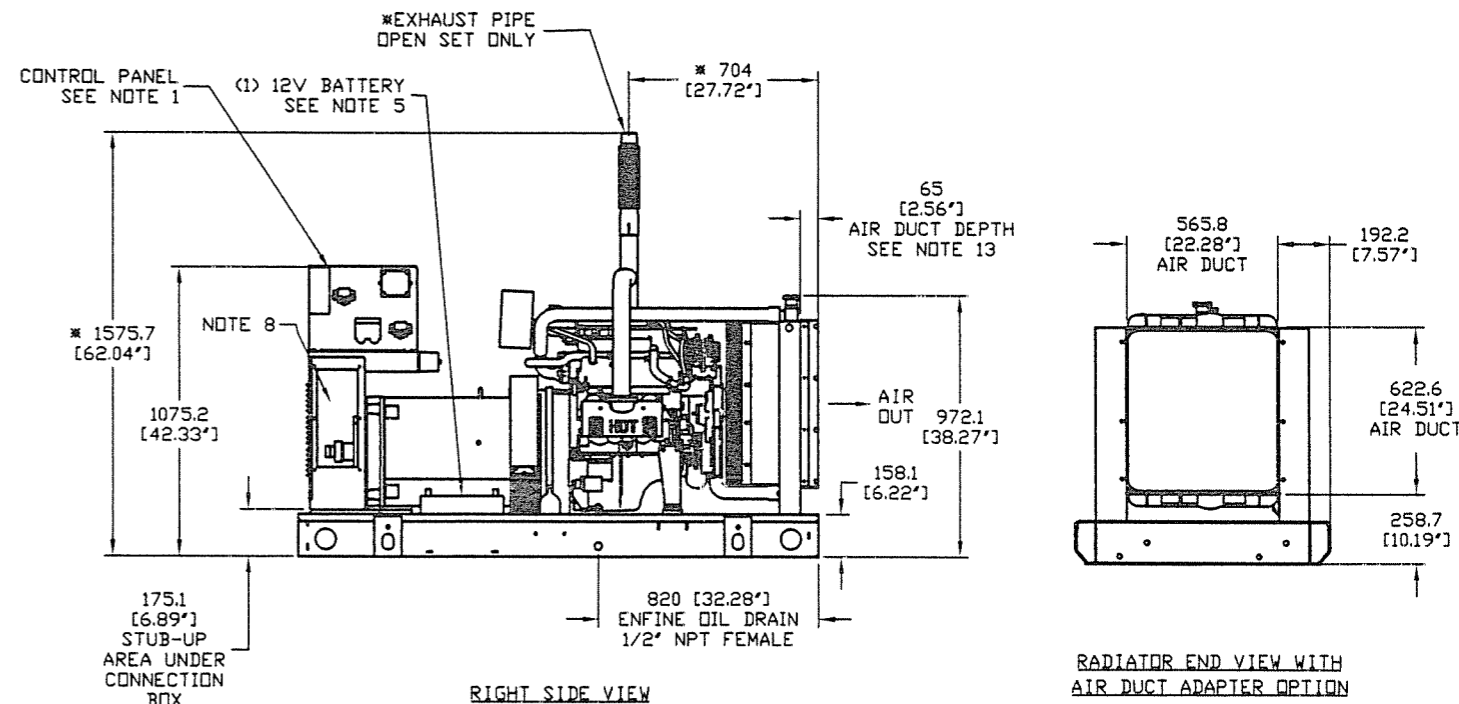
UNITS: mm [INCHES]

ENGINE SERVICE CONNECTIONS

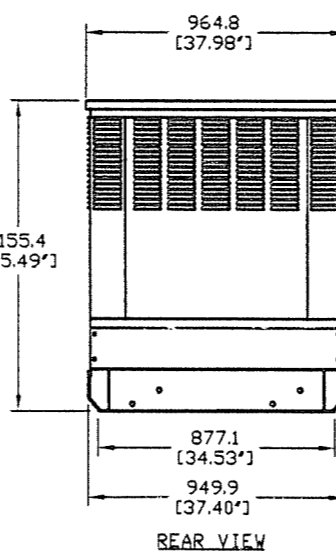
INLET L/P GAS = 3/4" NPT COUPLING
INLET NATURAL GAS = 3/4" NPT COUPLING
OIL DRAIN = 1/2" NPT COUPLING
EXHAUST OUTLET - EXHAUST MANIFOLDS AS SHOWN ON OPEN SET, 3" OD MUFFLER OUTLET WITH ENCLOSURE

NOTES:

- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
 - STANDARD 20A GFCI DUPLEX OUTLET - 120VAC REQUIRED.
 - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
 - EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL ENCLOSURE.
 - 12 VOLT NEGATIVE GROUND SYSTEM.
 - 2.5" I. D. FLEX EXHAUST, STANDARD WITH ENCLOSURE UNITS, OPTIONAL WITHOUT.
 - MAIN LINE CIRCUIT BREAKER (MLCB) AND AC LOAD LEAD CONNECTION.
 - REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
 - OPTIONAL ENCLOSURE.
 - DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED.
 - STUB-UPS:
STANDARD BASE TANK REQUIRES ALL STUB-UPS TO BE OUTSIDE OR IN THE REAR TANK STUB-UP AREA.
 - A OR A' IS THE STUB UP AREA UNDER THE MLCB, DEPENDING ON CIRCUIT BREAKER LOCATION. AREA B IS STUB UP AVAILABLE FOR UNITS WITH A BASE TANK.
 - STONE GUARD AND AIR DUCT ADAPTER STANDARD WITH OPEN SET ONLY.
 - SEE DRAWING OC3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
- *NOTE: DIMENSIONS TO THE CENTER OF EXHAUST FLANGE SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLIES TO OPEN SET ONLY.



RADIATOR END VIEW WITH AIR DUCT ADAPTER OPTION



REAR VIEW

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© GENERAC POWER SYSTEMS 2001

SG 35, 40, 45 KW (UPSIZED 100 KW)

4.2L DIRECT DRIVE

ACOUSTIC ENCLOSURE

ISSUE DATE: 11/13/07

GENERAC POWER SYSTEMS
Waukesha
P.O. BOX 8
WAUKESHA, WIS. 53187

FILE NAME: OG7627-A.DWG SIZE: B

SCALE: NTS FIRST USE: 4.2L G3

DWG NO.: OG7627 REV: A

INSTALLATION DRAWING

GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS INCURRED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.
- 5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
- 7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.
- 8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.
- 9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.
- 10) CONTRACTOR, ANY CONTRACTOR EMPLOYEES OR REPRESENTATIVES, OR SUB-CONTRACTOR, ANY SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL CONFORM TO ALL LAWS AND REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO, ALL OCCUPATIONAL SAFETY AND HEALTH ACT ("OSHA") STATUTES AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTOR.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
- 12) THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK NECESSARY TO REPAIR DAMAGED AREAS.
- 13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.
- 14) CONTRACTOR'S RESPONSIBILITIES REGARDING BUILD OUT ON FIBREBOND EQUIPMENT SHELTERS TO INCLUDE:
 - * INSTALLING THE DOOR CANOPY
 - * INSTALLING EXTERIOR LIGHT ON WALL DETERMINED BY PROJECT SUPERVISOR AND PHOTOCCELL REQUIREMENTS
 - * INSTALLING INTRUDER ALARMS
 - * CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
 - * ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
 - * INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
 - * INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
 - * CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
 - * CHECK OPERATION OF INTAKE AND EXHAUST LOUVERS AND ADJUST AS NEEDED
 - * CHECK OPERATION OF ENVIRONMENTAL CONTROLS AND HVAC UNITS
 - * INSTALL AND PAINT SHELTER TIE-DOWNS TO MATCH
- 15) INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- 16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

17) GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.

18) GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.

19) GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.

20) GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.

21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP. PREFERRED SUPPLIERS ARE EMPIRE & AMERIGAS

22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.

23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.

24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.

25) GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-6315

26) T1 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE T1 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)

27) GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.

28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC

29) GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.

30) GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.

31) GC WILL BE RESPONSIBLE FOR HAVING A CERTIFIED ELECTRICIAN HOOK UP THE BATTERIES (IMMEDIATELY) AFTER POWER HAS BEEN TURNED UP AT THE SITE, PREVENTING THE DELAY OF ANY WORK FOR OPERATIONS. THE GENERAL CONTRACTOR MUST NOTIFY THE PROJECT SUPERVISOR IMMEDIATELY AT THIS TIME SO HE CAN COORDINATE A CELL TECH TO BE ONSITE WHEN THIS OCCURS.

32) GC WILL BE RESPONSIBLE FOR RUNNING (CAT5) FROM THE GENERATOR ALARM PANEL MOUNTED ON THE SIDE OF THE TRANSFER SWITCH (BY THE CONTRACTOR), THROUGH THE TRANSFER SWITCH AND UP TO THE EXISTING CONDUIT BESIDE THE A/C POWER FAIL RELAY. THE (CAT5) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CAT5) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.

33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).

34) GC MUST DISPLAY FCC TOWER REGISTRATION NUMBER AND EMERGENCY PHONE NUMBERS ON 3'-0 X 4'-0" MINIMUM WOODEN BACKBOARD SOMEWHERE ON SITE LOCATION PRIOR TO BREAKING GROUND.

GRADING & EXCAVATING NOTES:

1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.

2) PREPARATION FOR FILL:
REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.

3) BACK FILLING:
- EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
- SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
- SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.

4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.

5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.

6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.

7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.









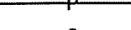

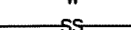
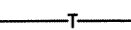

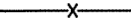

8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.

9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.

10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)

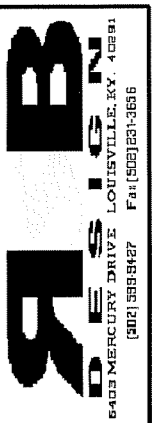
11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

SYMBOLS LEGEND

-  KEYNOTE
-  INSPEC. SLEEVE / GRND ROD
-  INSPECTION SLEEVE
-  CAD WELD CONNECTION
-  TRANSFORMER
-  LIGHTNING SUPPRESSOR
-  SWITCH (DISCONNECT)
-  METER PACK
-  POWER
-  GAS LINE
-  WATER LINE
-  SANITARY SEWER
-  TELEPHONE
-  STORM SEWER DRAIN
-  FENCE

"CALL BEFORE YOU DIG"

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 811 IN KENTUCKY, 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 BELOW GRADE.



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CANE VALLEY
 1600 FARRIS RD. COLUMBIA, KY. 42728

DRAWN BY: R. BECKER
 ISSUE DATE: 1-26-09
 SCALE: LISTED

SHEET NUMBER
General Notes

Site Name: Cane Valley

OPTION TO LEASE AND LEASE AGREEMENT

I.

OPTION TO LEASE REAL PROPERTY

THIS OPTION TO LEASE REAL PROPERTY (the "Option Agreement") is made and entered into this 1st day of December, 2008, by and between Jeffrey Biggs, Single, whose address is 1772 Farris Road, Columbia, KY 42728 (the "Optionor (s)") and Cumberland Cellular Partnership, d/b/a Bluegrass Cellular, a Kentucky general partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in Adair County, **Kentucky** as more particularly described on Exhibit A attached hereto and incorporated herein by reference (the "Property"); and

WHEREAS, the Optionor(s) wishes to grant to the Optionee, and the Optionee wishes to obtain from the Optionor(s), an option to lease the Property upon the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the foregoing premises and for other good and valuable consideration, the mutuality, receipt and sufficiency of which are hereby acknowledged, the parties hereto do agree as follows.

Site Name: Cane Valley

1. In consideration of **One Thousand Eight Hundred Dollars and Zero Cents (\$1,800.00)** paid by the Optionee to the Optionor(s) (the "Option Consideration"), the receipt of which is hereby acknowledged by the Optionor(s), the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time before 4:00 p.m. prevailing time on ⁸⁸⁸ May 31, 2010, (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

Site Name: Cane Valley

5. If the Optionee elects to exercise the Option in accordance with the terms hereof, notice of such election shall be deemed sufficient if personally delivered or sent by registered or certified mail, return receipt requested, to the address of the Optionor(s) set forth in Paragraph 14 hereof.
6. The Optionor(s) agrees not to sell, lease or offer for sale or lease the Property during the term of this Option or any renewal or extension of the Option.
7. In the event the Optionee fails to exercise the Option as set forth herein (unless such failure is due to the discovery of a defect in the Property or other matter unsatisfactory to the Optionee), the Optionor(s) shall have the right to retain the Option Consideration.
8. The Optionee may assign this Option with written consent of the Optionor(s), which consent shall not be unreasonably withheld, and upon any assignment such assignee shall have all the rights, remedies and obligations as if it were the original Optionee hereunder. From and after any such assignment, the term "Optionee" shall refer to such assignee.
9. Each party hereto shall bear any and all of its own expenses in connection with the negotiation, execution or settlement of this Option.
10. Risk of loss with respect to the Property during the term of this Option and during the term of the lease shall be upon the Optionor(s). If, during the term of the Option, any portion of the Property shall be acquired by public authority under the right or threat of eminent domain, the Optionee may, at its sole option, either (i) exercise the

Site Name: Cane Valley

Option, and in such event, all sums received from the public authority by the Optionor(s) by reason of the taking of a portion of the Property shall reduce the rent due under the lease, or (ii) terminate this Option and thereupon the Optionor(s) shall be obligated to return to the Optionee the full amount of the Option Consideration previously paid to the Optionor(s) in "good and collected funds."

11. The parties hereto represent to each other that neither has engaged any broker to represent their interests in connection with the transactions contemplated hereby, and each agrees to indemnify the other against any and all claims made by any brokers engaged or purported to be engaged by the other for brokerage commissions or fees in connection with the transactions contemplated hereby.
12. The Optionor(s) represents, warrants and covenants to the Optionee that the Optionor(s) has not caused or permitted, and shall not cause or permit, and to the best of Optionor(s)' knowledge no other person has caused or permitted any hazardous material (as defined by any applicable federal, state or local law, rule or regulation) to be brought upon, placed, held, located or disposed of at the Property. In the event any such contamination occurs for which the Optionee becomes legally liable, the Optionor(s) shall indemnify the Optionee against all claims, damages, judgments, penalties and costs and expenses, including reasonable attorneys' fees, which Optionee may incur.
13. This Option Agreement and the rights and obligations of the parties hereto shall be construed in accordance with the laws of the Commonwealth of Kentucky.

Site Name: Cane Valley

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **1772 Farris Road, Columbia, KY 42728**; the Optionee's address shall be: **2902 Ring Road, Elizabethtown, KY 42701**. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Adair County, **Kentucky**.

II.

LEASE AGREEMENT

16. In the event the Optionee elects to exercise the Option to lease the Property, the terms of the Lease Agreement ("Lease Agreement" or "Lease") shall become immediately effective upon such exercise and shall be as follows.
 1. The term of the Lease shall commence on the date that the Optionor(s) receives proper notice that the Optionee has exercised the Option, pursuant to Paragraph 5 therein. The initial term shall expire **five (5) year(s)** from the commencement date of the Lease Agreement and shall include **six (6) additional five (5)-year terms** per the Lease Agreement. Optionee may, by providing written notice at least sixty (60) days prior to the expiration of the original or any renewal Lease term, elect to unilaterally terminate this Lease at the end of any original or renewal Lease term. Such notice must be

Site Name: Cane Valley

personally delivered or sent via registered or certified mail, return receipt requested, to the address of the Optioner(s) set forth in Paragraph 14 hereof. The Lease amount shall be adjusted at the end of each term by an increase of 12%.

2. The Optionee shall pay to the Optionor(s) rent for the Property in the sum of Four Thousand Eight Hundred Dollars and Zero Cents (\$4,800.00) yearly, to be paid in advance. All rent payments shall be personally delivered or mailed to the Optionor(s) at the address set forth in Paragraph 14 hereof. Any check payment of the rent due under the Lease shall be payable to the order of Optionor(s).
3. The Optionee shall be entitled to use and occupy the Property for the purpose of erecting, maintaining and operating a communications tower and communications facilities thereon and for all such other uses as Optionee may, in its sole discretion, deem necessary in connection therewith.
4. The Optionor(s) shall be responsible for the payment of all real estate taxes which shall be assessed against the Property during the term of the lease. The Optionee shall pay all charges for heat, water, gas, electricity, sewer use charges and any other utility used or consumed on the Property. The Optionee shall, at its own cost and expense, maintain and keep in full force and effect during the term of the lease public liability insurance with coverage in the amount of at least one million dollars (\$1,000,000.00) per person for bodily injury, disease, or death and shall maintain property insurance on any property the Optionee located on the Property.

Site Name: Cane Valley

5. The Optionee may assign the lease. The Optionee may sublet all or part of the space on the tower or ground space.
6. The Optionor(s) covenants that upon the Optionee's payment of the rent agreed upon herein, as well as Optionee's observing and performing all of the covenants and conditions contained in the Lease, the Optionee may peacefully and quietly enjoy the Property subject to the terms and conditions set forth in the Lease.
7. The Optionee agrees to maintain an access road in a passable manner for the term of the lease.
8. Optionee's Payment of Taxes, Fees and Assessments. Optionee shall pay directly to the applicable federal, state or local governmental unit or agency ("Governmental Entity") or to Optionor if Optionor is invoiced by such Governmental Entity, all taxes, fees, assessments or other charges assessed by any Governmental Entity directly against Optionee's Equipment and/or Optionee's use of the Facility. Optionee shall also pay to Optionor Optionee's Pro Rata Share of all taxes, fees, assessments or charges including, but not limited to, personal property taxes attributable to Optionee's equipment and antenna(s), municipal franchise fees, use fees, municipal application fees, installation fees and increases thereof. "Pro Rata Share" shall mean the fraction of decimal equivalent of dividing one (1) by the total number of then existing users occupying a tower on the last day of the applicable calendar year.

Site Name: Cane Valley

17. This Option and Lease Agreement contains the entire agreement between the parties hereto and no modification or amendment shall be binding upon any party unless made in writing and signed by each of the parties hereto.
18. Upon the termination or other end of this Lease Agreement, Optionee shall have the right to remove any and all of its property (real or personal) from the Property regardless of whether or not such property may be considered a fixture thereto.
19. Upon abandonment of the property, Optionee shall have thirty (30) days to dismantle and remove the cellular antenna tower and any/all equipment located on Optionor's property.

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Site Name: Cane Valley

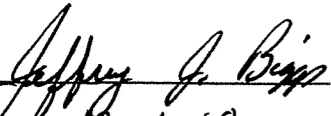
EXECUTION OF AGREEMENT(S)

IN WITNESS WHEREOF, the parties hereto have set their hands and affixed their respective seals.

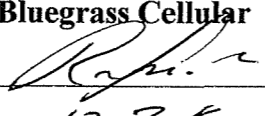
Jeffrey Biggs

Cumberland Cellular Partnership,

d/b/a Bluegrass Cellular



Date: 12-1-08



Date: 12-3-08

("Optionor(s)")

("Optionee")

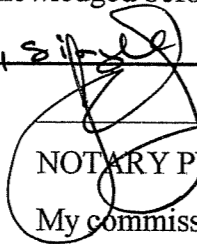
By: Jeffrey Biggs
Property Owner(s)

By: Ron Smith
Authorized Representative

Site Name: Cane Valley


STATE OF Kentucky
COUNTY OF Adair

The foregoing instrument was acknowledged before me this 1st day of December,
2008, by Jeffrey Biggs, signed to be his/her free act and deed.



NOTARY PUBLIC STATE AT LARGE
My commission expires: 1/3/11

STATE OF KENTUCKY
COUNTY OF HARDIN

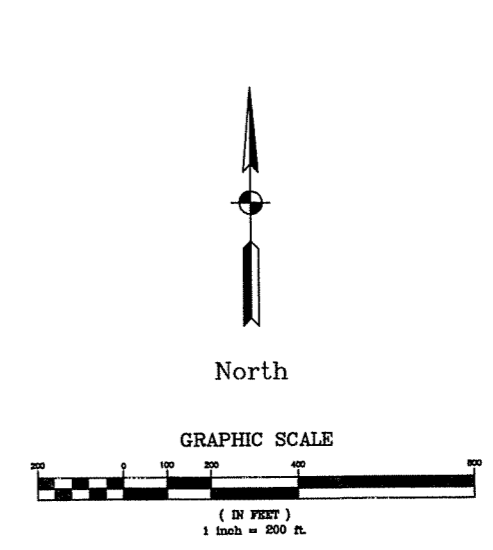
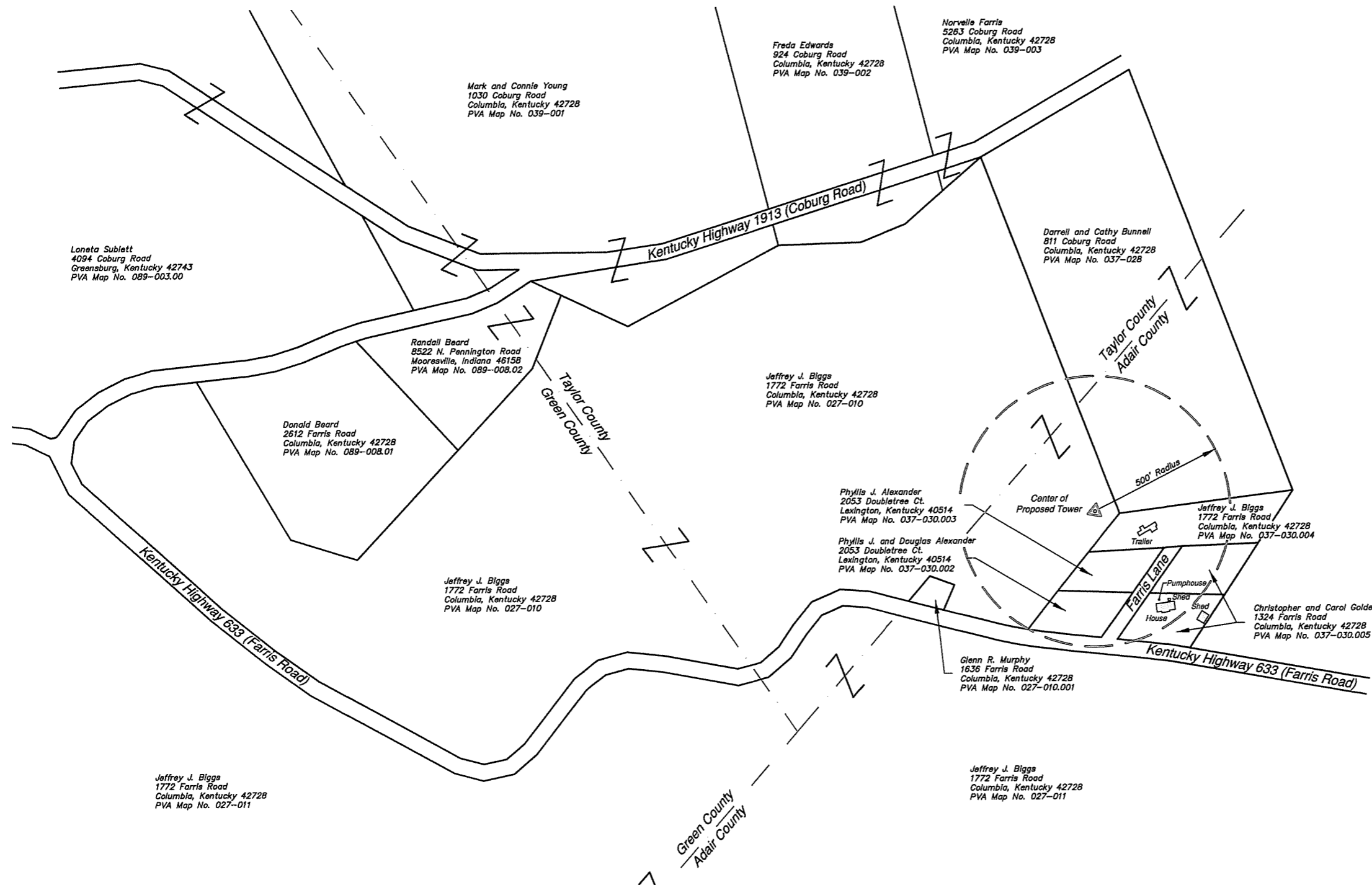
The foregoing instrument was acknowledged before me this 3 day of December,
2008, by **Ron Smith**, Authorized Representative of Bluegrass Cellular, to be his free act and deed.


NOTARY PUBLIC STATE AT LARGE
My commission expires: 1-21-09

This instrument prepared by:


John E. Soient
DINSMORE & SHOHL LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300

Site: Cane Valley
500-Foot Radius Map for Structures and Landowners
Adair County, Kentucky



Note
 The location of the boundaries shown are approximate, and they are based upon the aerial photographs and information on file in the office of the Property Valuation Administrators of Adair, Green and Taylor Counties, Kentucky.

Surveyor's Certification
 I hereby certify that the information shown is correct to the best of my knowledge, and it is in accordance with the records found in the office of the Property Valuation Administrators of Adair, Green and Taylor Counties, Kentucky on January 20, 2008.

Darren L. Helms
 Darren L. Helms, P.L.S. 3386
 Date JAN. 28, 2009

STATE OF KENTUCKY
 DARREN L. HELMS
 3386
 LICENSED PROFESSIONAL LAND SURVEYOR

Reduced Copy

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0850
 Email: landmark@mscglobal.net
 Project No. 08-01-0107



500-Foot Radius Map
 1600 Farris Road
 Columbia, Kentucky 42728

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE 1-28-09	DRAWN BY A. Hinkler	CHECKED BY DLH/Helms
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SHEET NO.
 1
 OF 1 SHEETS

FILE NO.
 cane-radius.dwg

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**APPLICATION OF CUMBERLAND
CELLULAR PARTNERSHIP FOR
ISSUANCE OF A CERTIFICATE OF PUBLIC
CONVENIENCE AND NECESSITY TO CONSTRUCT
A CELL SITE (CANE VALLEY) IN RURAL
SERVICE AREA #5 (ADAIR) OF THE
COMMONWEALTH OF KENTUCKY**

CASE NO. 2009-00061

AFFIDAVIT OF JOHN E. SELENT

I, John E. Selent, being duly sworn, depose and state as follows:

1. My name is John E. Selent and I am a member of the Kentucky Bar Association.

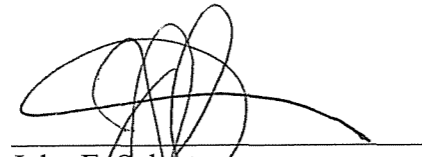
I am legal counsel to Cumberland Cellular Partnership and am submitting this affidavit in conjunction with the above referenced matter.

2. In order to demonstrate compliance with 807 KAR 5:063 §1(1)(l) & (m), Exhibit 1 identifies, with the exception of the individual identified in paragraph 4, the name of the resident/tenant and property owner within 500 feet of the proposed tower who have been: (i) notified by written notice of the proposed construction, sufficient postage prepaid, by United States Certified Mail, return receipt requested; (ii) given the Commission docket number under which the application will be processed; and (iii) informed of the right to request intervention.

3. Attached as Exhibit 2 is a copy of the United States Certified Mail return receipt that demonstrates proof of service of the written notice of the proposed construction upon: (1) Loneta Sublett; (2) Randall Beard; (3) Mark and Connie Young; (4) Freda Edwards; (5) Norvelle Farris; (6) Darrell and Cathy Bunnell; (7) Phyllis Alexander; (8) Phyllis and Douglas Alexander; (9) Christopher and Carol Golden; (10) Glenn R. Murphy; and (11) Jeffrey R. Biggs.

4. Affiant attempted to serve written notice of the proposed construction upon Donald Beard (see Exhibit 1) via United States Certified Mail pursuant to 807 KAR 5:063 §1(1)(l) & (m). Service of the written notice of the proposed construction to Donald Beard was attempted via United States Certified Mail and was returned marked "Return to Sender - Unclaimed - Unable to Forward." (see attached Exhibit 3) Therefore, another copy of the written notice of proposed construction was sent to Donald Beard via United States First Class Mail. (See Exhibit 1.)

Further Affiant saith not.

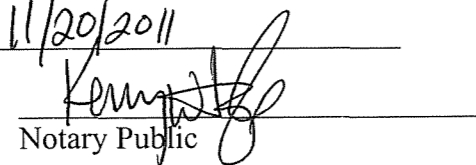


John E. Selent

COMMONWEALTH OF KENTUCKY)
)SS:
COUNTY OF JEFFERSON)

SUBSCRIBED AND SWORN to before me this 10th day of March, 2009.

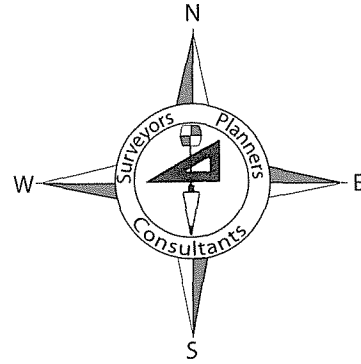
My commission expires: 11/20/2011



Notary Public

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

Landowner and Adjacent Landowner List

Bluegrass Cellular, Inc.
Cane Valley Site
Adair County, Kentucky

Loneta Sublett
4094 Coburg Road
Geensburg, KY 42743

Darrell and Cathy Bunnell
811 Coburg Road
Columbia, KY 42728

Donald Beard
2612 Farris Road
Columbia, KY 42728

Phyllis J. Alexander
2053 Doubletree Ct.
Lexington, KY 40514

Randall Beard
8522 N. Pennington Road
Mooreville, IN 46158

Phyllis J. and Douglas Alexander
2053 Doubletree Ct.
Lexington, KY 40514

Mark and Connie Young
1030 Coburg Road
Columbia, KY 42728

Christopher and Carol Golden
1324 Farris Road
Columbia, KY 42728

Freda Edwards
924 Coburg Road
Columbia, KY 42728

Glenn R. Murphy
1636 Farris Road
Columbia, KY 42728

Norvelle Farris
5263 Coburg Road
Columbia, KY 42728

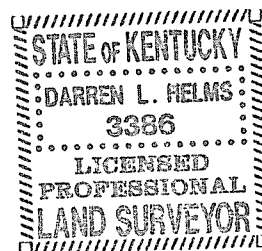
Jeffrey J. Biggs
1772 Farris Road
Columbia, KY 42728

Darren L. Helms

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

JAN. 28, 2009

Date



February 16, 2009

Loneta Sublett
4094 Coburg Road
Greensburg, Kentucky 42743

Public Notice

Cumberland Cellular Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Cumberland Cellular Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 1600 Farris Road, Columbia, Kentucky, 42728. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2009-00061 in our correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> <i>Jane A. Groves</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> C. Date of Delivery <i>JANE A. GROVES</i> <i>2/18/09</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p><i>Loneta Sublett 4094 Coburg Rd. Greensburg, KY 42743</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7008 0500 0001 2154 7916</p>

February 16, 2009

Randall Beard
8522 Pennington Road
Mooresville, Indiana 46158

Public Notice

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1. Article Addressed to: <i>Randall Beard 8522 Pennington Rd. Mooresville, IN 46158</i>	B. Received by (Printed Name) <i>Randall Beard</i>	C. Date of Delivery <i>2/19/09</i>
2. Article Number <small>(Transfer from service label)</small>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
7008 0500 0001 2154 7923		

February 16, 2009

Mark and Connie Young
1030 Coburg Road
Columbia, Kentucky 42728

Public Notice

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Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

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<p>1. Article Addressed to:</p> <p><i>Mark & Connie Young 1030 Coburg Rd. Columbia, KY 42728</i></p>	<p>3. Service Type <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Registered <input type="checkbox"/> C.O.D. <input type="checkbox"/> Insured Mail</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7008 0500 0001 2154 7947</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

February 16, 2009

Freda Edwards
924 Coburg Road
Columbia, Kentucky 42728

Public Notice

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Cumberland Cellular Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 1600 Farris Road, Columbia, Kentucky, 42728. A map showing the location is attached.

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Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

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<p>1. Article Addressed to:</p> <p><i>Freda Edwards 924 Coburg Rd. Columbia, KY 42728</i></p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7008 1300 0000 4494 9155</p>

February 16, 2009

Norvelle Farris
5263 Coburg Road
Columbia, Kentucky 42728

Public Notice

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Public Service Commission of Kentucky
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Frankfort, Kentucky, 40602.**

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1. Article Addressed to: <i>Norville Farris 5263 Coburg Rd. Columbia, KY 42728</i>	D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No <i>613 COBURG RD.</i>
2. Article Number (Transfer from service label)	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes
PS Form 3811, February 2004	7008 1300 0000 4494 9162 Domestic Return Receipt 102595-02-M-1540

February 16, 2009

Darrell and Cathy Bunnell
811 Coburg Road
Columbia, Kentucky 42728

Public Notice

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Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

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1. Article Addressed to: <i>Darrell & Cathy Bunnell 811 Coburg Rd. Columbia, KY 42728</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label)	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

February 16, 2009

Phyllis J. Alexander
2053 Doubletree Court
Lexington, Kentucky 40514

Public Notice

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Public Service Commission of Kentucky
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1. Article Addressed to: <i>Phyllis J. Alexander 2053 Doubletree Court Lexington, KY 40514</i>	B. Received by (Printed Name) <i>Phyllis J. Alexander</i> C. Date of Delivery <i>2/19/09</i>
2. Article Number (Transfer from service label) <i>7008 1300 0000 4494 9209</i>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

February 16, 2009

Phyllis J. and Douglas Alexander
2053 Doubletree Court
Lexington, Kentucky 40514

Public Notice

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1. Article Addressed to: Phyllis & Douglas Alexander 2053 Doubletree Court Lexington, KY 40514	B. Received by (Printed Name) Phyllis & Douglas Alexander C. Date of Delivery 2/19/09
2. Article Number (Transfer from service label) 7008 1300 0000 4494 9216	D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Registered <input type="checkbox"/> Insured Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

FEB 19 2009

LEXINGTON, KY 40515

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-IM-1540

February 16, 2009

Christopher and Carol Golden
1324 Farris Road
Columbia, Kentucky 42728

Public Notice

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1. Article Addressed to: <i>Christopher & Carol Golden 1324 Farris Rd. Columbia, KY 42728</i>	B. Received by (Printed Name) <i>CAROL GOLDEN</i> C. Date of Delivery <i>2-18-09</i>
2. Article Number (Transfer from service label) 7008 1300 0000 4494 9247	D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

February 16, 2009

Jeffrey J. Biggs
1772 Farris Road
Columbia, Kentucky 42728

Public Notice

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1. Article Addressed to: <i>Jeffrey J. Biggs 1772 Farris Rd. Columbia, KY 42728</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label) <i>7008 1300 0000 4494 9186</i>	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

February 16, 2009

Donald Beard
2612 Farris Road
Columbia, Kentucky 42728

Public Notice

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U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	

Postmark
Here

Con Valley

Sent To

Donald Beard

Street, Apt. No.,
or PO Box No.

City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

7008 0500 0001 2154 7930



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Status: **Unclaimed**

Your item was returned to the sender on March 6, 2009 because it was not claimed by the addressee.

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Label/Receipt Number: **7008 0500 0001 2154 7930**

Associated Label/Receipt:

Detailed Results:

- **Unclaimed, March 06, 2009, 8:24 am, COLUMBIA, KY**
- **Notice Left, February 18, 2009, 1:25 pm, COLUMBIA, KY 42728**

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Dinsmore & Shohl

COPY

Kerry W. Ingle
(502) 540-2354 (Direct Dial)
kerry.ingle@dinslaw.com

February 17, 2009

Via Certified Mail

Honorable Ann Melton
Adair County Judge Executive
424 Public Square, Suite 1
Columbia, KY 42728

RE: ***Application of Cumberland Cellular Partnership d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a cellular tower to be located at 1600 Farris Road, Columbia, Kentucky, 42728, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2009-00061***

Dear Judge Melton,

We are legal counsel to Cumberland Cellular Partnership ("Cumberland Cellular") which markets its services as Bluegrass Cellular.

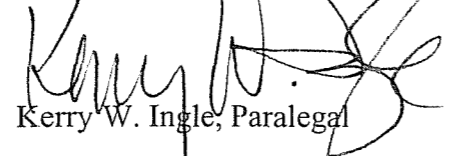
Cumberland Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the Commission) for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular telecommunications service in rural service area (RSA) #5 in Adair County. The facility would include a 240 foot tower to be located at 1600 Farris Road, Columbia, Kentucky, 42728. A map showing the location of the proposed new facility is enclosed.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of the Commonwealth of Kentucky, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2009-00061 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP



Kerry W. Ingle, Paralegal

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery <i>Libby Ketchum</i> <i>2/18/09</i></p>
<p>1. Article Addressed to:</p> <p><i>Honorable Ann Melton Adair County Judge Executive 424 Public Square Suite 1 Columbia, KY 42728</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7008 0500 0001 2154 7114</i></p>

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

on this site. If you have any
questions please contact:

Cumberland Cellular Partnership
21001
2007
2007
2007

Please refer to P.S.C.

Case #2009-00061
in your correspondence.



PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

near this site. If you have any
questions please contact:

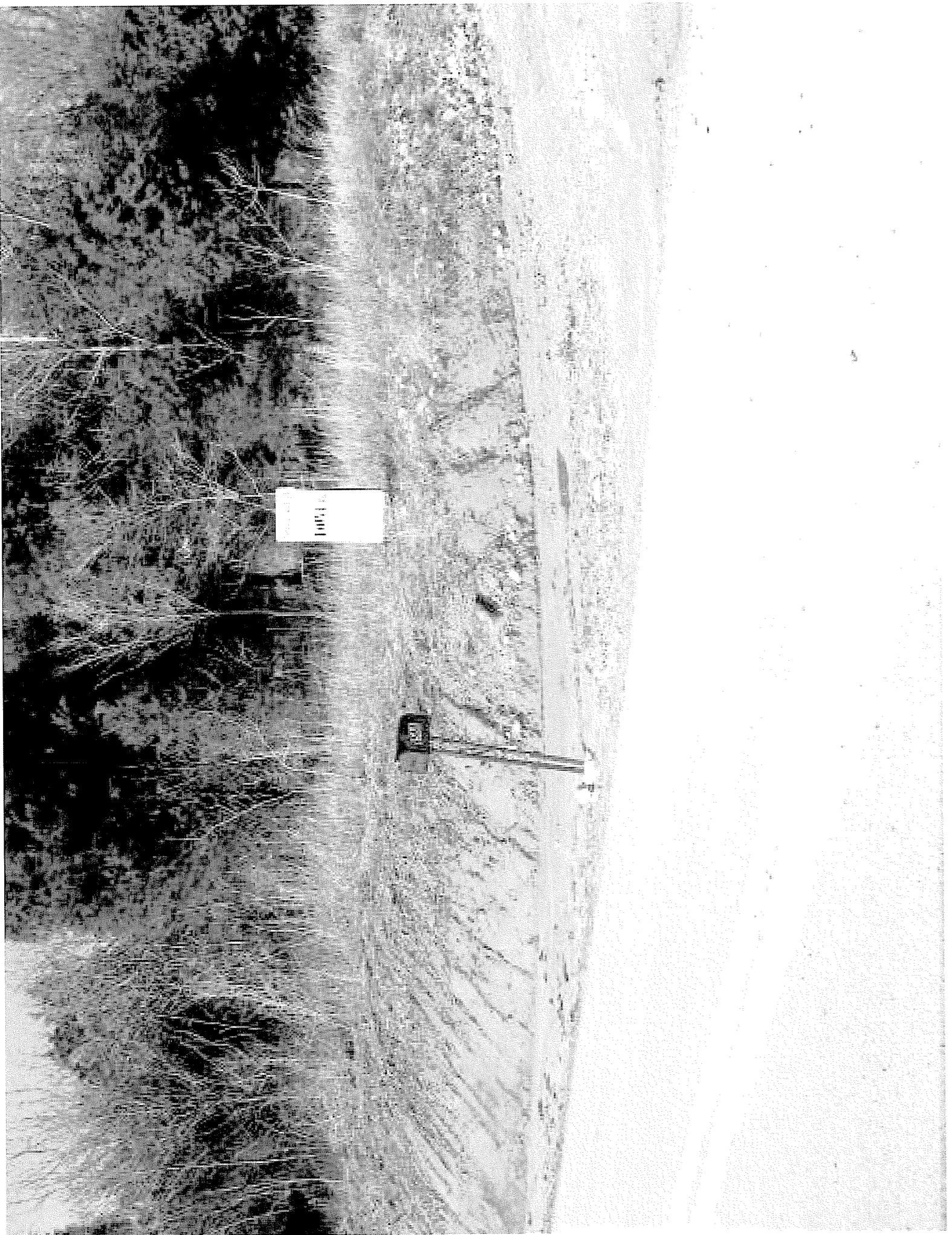
Cumberland Cellular
Partnership
P.O. Box 5072
2502 Ring Road
Frankfort, KY 40601

Executive Director
The Public Service Commission
218 Tower Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to P.S.C.

Case #2009-00061

in your correspondence.





PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

near this site. If you have any
questions please contact:

Cumberland Cellular Douglas Jacoby
Partnership or The PSC, Service Commission
200 East 500 218 South Boulevard
3305 Rockford Ft. Lauderdale
Ft. Lauderdale, FL 33301 Phone: 561-5100

Please refer to P.S.C.

Case #2009-00061

in your correspondence.

NOTARIZED PROOF OF PUBLICATION

STATE OF KENTUCKY

COUNTY OF ADAIR

Before me, a Notary Public, in and for said County and State, this

19th day of February, 2009, came Donna Hancock, personally

known to me, who being duly sworn, states as follows:

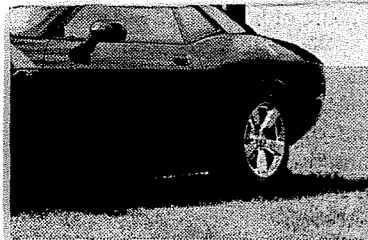
That she is Publisher of The Adair Progress, and
(Title) (Name of Publication)

that said publication of 02-19-2009 carried the PUBLIC NOTICE
(Date)

advertising for CUMBERLAND CELLULAR.

Donna Hancock
(Signature)

Melanie Ollery
(Notary Public)
My Commission expires: June 2010



2004 Dodge 2500 Quad Cab Diesel
112,000 miles. Gold. Automatic.
Power Everything.
TOO MANY ADD-ONS TO LIST!
Call 250-1830 for more information.

Classifieds

(PN) Public Notice

NOTICE
 Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #5 of the Commonwealth of Kentucky (Cane Valley Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 1600 Farris Road, Columbia, Kentucky 42728. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2009-00061 in your correspondence.

(T) MOBILE HOMES FOR RENT

3BR & 2 BR; CENTRAL H/A; APPLIANCES; W/D hookup; private shaded lot; all electric; HUD approved; 270-250-2034 or 270-384-2111.

2 BEDROOM-2 BATH TRAILER FOR RENT: Appliances furnished. Pay weekly or monthly. No pets-references required. 384-4034 or 384-6600.



For Sale
Rare 1988 Nissan 240 SX
Great Project or Drift Car
\$1,000 O.B.O.
Call 384-6479

FOUND IN
CANE VALLEY
AREA,
WHITE CAT WITH
A LITTLE BLACK;
HAS COLLAR WITH BELL.
VERY FRIENDLY, MUST
HAVE BEEN SOMEONE'S

(J) ARTICLES FOR SALE

ALUMINUM SHEETS-50¢ a sheet. Can be seen at The Adair Progress office, 98 Grant Lane, Columbia, Ky.

TRANSMISSION-4 CYL. 5 SPEED manual transmission for 2000 Mit.

(W) SERVICES


WILL CLEAN HOUSES. Honest and dependable. Good references. Mon-Fri. 384-2489 or 384-3559.

(DD) WANTED

PPERSON AIR CONDITIONING, HEATING, Plumbing & Electric wish to acquire similar operating businesses and assets. Call (606) 679-7476. Located at 112 W. University Drive, Somerset, Ky. 42503. EOE & Drug Free Workplace.

Oil & Gas
Leases Wanted
Producing or Not
1800-643-5204

All real estate advertised herein is subject to the Federal Fair Housing Act, which makes it illegal to advertise any preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status or national origin, or intention to make any such preferences, limitations or discrimination. State laws forbid discrimination in the sale, rental or advertising of real estate based on factors in addition to those protected under federal law. We will not knowingly accept any advertising for real estate which is in violation of the law. All persons are hereby informed that all dwellings advertised are available on an equal opportunity basis.



NATIONAL RETAILER
LOOKING FOR AMBITIOUS
OWNER/OPERATOR
No Franchise Fees, Royalty
Fees and no Inventory Cost
Low Initial Investment
Call Ed Sosniak -

NOTARIZED PROOF OF PUBLICATION

STATE OF KENTUCKY

COUNTY OF ADAIR

Before me, a Notary Public, in and for said County and State, this

24th day of February, 2009, came Donna Hancock, personally

known to me, who being duly sworn, states as follows:

That she is Publisher of The Adair Progress, and
(Title) (Name of Publication)

that said publication of 02-19-2009 carried the PUBLIC NOTICE
(Date)

advertising for CUMBERLAND CELLULAR.

Donna Hancock
(Signature)

Melanie Ollery
(Notary Public)

My Commission expires: June 2010

CLASSIFIEDS

(PN) Public Notice

NOTICE TO CREDITORS

Administration has been granted by Adair County District Court upon the following estates:

Martha Marcucci, deceased, Mario J. Marcucci, 1 Lake Amenia Rd., Amenia, NY 12501, Executor.

Edwin Russell Edrington, deceased, Rebecca Curry, 780 Powell Rd., Columbia, KY 42728 and Edward R. Edrington, Jr., 1071 Beechtop Rd., Columbia, KY 42728, Co-Executors.

Beulah Christine Taylor, deceased, Wendell Taylor, 874 Wendell Taylor Rd., Columbia, KY 42728, Administrator.

John Edward Burton, Jr., deceased, Betty Lou Burton, 405 Liberty Rd., Columbia, KY 42728, Executrix.

Alma Barton, deceased, Gordon Brown, 1410 Cooper Ridge Rd., Columbia, KY 42728, Executor.

Dorothy Buescher, deceased, Osby Karnes, Jr., 9015 Highway 55 South, Columbia, KY 42728 and Crystal Spoon, 339 Royal Oaks Rd., Columbia, KY 42728, Co-Executors.

Ernestine Stephens, deceased, Wynema Ballou, 95 Carlos Ballou Rd., Columbia, KY 42728, Executrix.

Penny Lynn McClister, deceased, Joseph P. Baker, 129 Ed Irvin Rd., Columbia, KY 42728, Administrator.

Webba M. Wilson, deceased, Connie Williams, 225 Independence Ridge Rd., Breeding, KY 42715 and Jo Lynn Gibson, 1325 Breeding Loop Rd., Breeding, KY 42715, Co-Administrators.

Linda Smith, deceased, Billy Joe Smith, 876 Beechtop Rd., Columbia, KY 42728, Executor.

Vivian Ingram, deceased, Earlene Queen, 3495

(PN) Public Notice

PUBLIC NOTICE

Adair County Public Schools is pleased to announce that the Kentucky School and District Report Cards are available for viewing and download on the Kentucky Department of Education Website at <http://applications.kde.state.ky.us/schoolReportCardArchive/>. This report card for the 2007-2008 school year contains important information about our school, including details about our academic performance, teacher qualifications, learning environment, and more. If you are unable to access the card for your school on the Internet, the school or district office will print the card for you at your request.

(PN) Public Notice

NOTICE

Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #5 of the Commonwealth of Kentucky (Cane Valley Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 1600 Farris Road, Columbia, Kentucky 42728. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2009-00061 in your correspondence.

(E) Livestock For Sale

ISAACS ANGUS CATTLE SALE: SATURDAY, MARCH 14, 2009 at noon at the farm in Horse Cave, Ky. Selling 100 head: *20-18-month old bulls *55 Spring calving helpers *15 Fall bred helpers *10 commercial Spring yearling helpers. Most of these bulls meet Kentucky's Genetic Improvement Cost Sharing Program. For more information call Isaacs' Angus at 270-528-5486.

(J) Articles For Sale

FOR SALE: ALUMINUM SHEETS. 50¢ each. Can be seen at The Adair Progress' office, 98 Grant Lane, Columbia, Ky.

TRANSMISSION, 4 CYL, 5 SPEED manual transmission for 2000 Mit. Eclipse GS model. Less than 3,000 miles. Call 270-384-6471 days; 270-384-9737 nights, ask for Donna.

(P) Furniture/Appliances

SAVE 100'S BRYANT'S FURNITURE AND APPLIANCES on Hwy. 80, 270-384-5830. Open Monday through Saturday. SUPER SAVINGS on RESTONIC BEDDING, ASHLEY, BERKLINE FURNITURE. Most anything new or used for the home available. Planos starting at \$385.

(Q) Apartments For Rent

2 BR, 1 BATH, STOVE/REF., furnished. W/D hookups. Water and garbage paid. \$420 mo. Plus \$375 deposit. 385-6015 or 502-543-6558.

(R) House For Rent

3 BR HOUSE, 1 BATH, CENTRAL HEAT/AIR. Refrigerator, electric range, dishwasher, disposal furnished. Washer/dryer hookup. 6 mos. lease. NO PETS. 2 references and deposit required. 384-0398.

(T) Mobile Homes For Rent

FOR RENT: 3 BR, 1 BATH MOBILE HOME, 3 mile out. 80. Total electric \$325 mo.; 3 BR; 2 bath mobile home for rent in the Holmes Bend community. \$350 mo.; \$350 deposit; 5 BR, ; bath house with partic basement. Carport blacktop drive. 3 mi. ou 206. 250-1874.

2 BEDROOM-2 BATH TRAILER FOR RENT

Appliances furnished. Pay weekly or monthly. No pets-reference required. 384-4034 o 384-6600.

3BR&2BR; CENTRAL H/A APPLIANCES;

W/C hookup; private shaded lot; all electric; HUF approved. 270-250-203; or 270-384-2111.

(U) Mobile Homes For Sale

FACTORY DEMO SALE GET A NEW HOME for used home price at Luv Homes. For a limited time with FREE washer and dryer. 606-676-0503

ABANDONED HOMES FAMILIES NEEDED

Several to choose from. Low to zero down. Low monthly payments** On the lot financing. 606-676-0503. Luv Homes Somerset.

CAN'T GET A HOME LOAN? IF YOU

have a deed or some cash Luv Homes of Somerset may be able to help even if your credit's not what it was. Call now for pre approval. Luv Homes Somerset. 606-676-0503.

LUV HOMES OF SOMERSET





HA: GOVERNMENT 1st time home buyer loans. 3BR/2BA for \$287.33 monthly 240 months/35K amt financed/7.75 annu percentage rate 1,750.00 down pmt. Luv Homes, Somerset. 606-676-0503.

Oil & Gas Leases Wanted

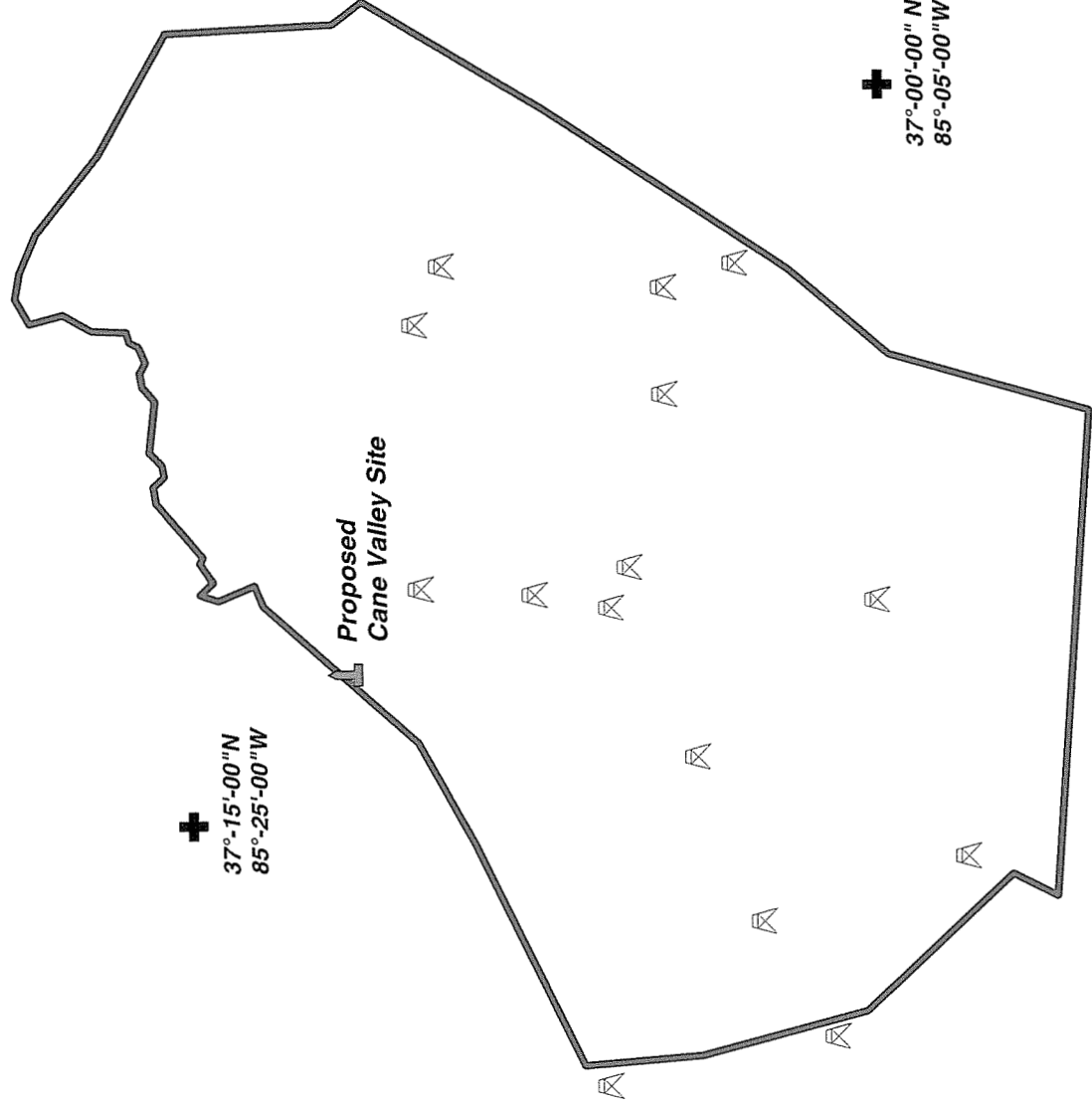
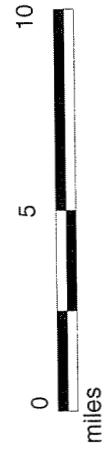


For Sale

SOUTHERN KENTUCKY HEARING AID SPECIALIST
3007 Edmonton Rd., Glasgow 1-800-359-4768

	Adair County Boundary
	Wireless Tower Locations Registered with the FCC
	Proposed Tower Location
	Tick Marks

Prepared By: LNGS Engineering 2/6/2009



**Information on Towers Registered with the FCC
in Adair County and 1/2 Mile Area Outside of the County Boundary**

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1041289	37-00-07 N	85-19-01 W	Fairplay, KY	Texas Eastern Communications, Inc.
1043061	37-07-32 N	85-18-48 W	Columbia, KY	Bluegrass Cellular
1043197	37-10-4.2 N	85-11-25.8 W	Columbia, KY	Shoreline Communications, Inc.
1043978	37-05-53 N	85-19-10 W	Columbia, KY	Cumberland Cellular, Inc.
1044249	37-09-29 N	85-09-50 W	Purdy, KY	Western Kentucky University
1044821	37-06-00 N	85-32-10 W	Columbia, KY	Kentucky Emergency Warning System (KEWS)
1048811	37-04-40.6 N	85-10-27.6 W	Russell Springs, KY	Shoreline Communications, Inc.
1062332	37-10-00 N	85-18-37 W	Adair, KY	American Chestnut Television, Inc.
1228813	37-05-28 N	85-18-3.9 W	Columbia, KY	SBA Properties, Inc.
1242039	37-02-38.7 N	85-27-43.8 W	Edmonton, KY	Bluegrass Cellular
1252869	37-01-4.3 N	85-30-53.1 W	Edmonton, KY	Shared Towers KY
1254374	37-4-3.1 N	85-23-14.3 W	Columbia, KY	Shared Sites, LLC
1257173	37-4-40.7 N	85-13-22.6 W	Columbia, KY	Shared Sites WV, LLC
1257489	37-3-7.6 N	85-9-49.2 W	Russell Springs, KY	Shared Sites WV, LLC
1261657	36-58-11.8 N	85-26-0.6 W	Breeding, KY	Cumberland Cellular, Inc.