

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

NOV 20 2008

**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 (CUMBERLAND FALLS) IN RURAL
SERVICE AREA #5 (MCCREARY) OF THE COMMONWEALTH
OF KENTUCKY**

CASE NO. 2008-00363

**APPLICATION FOR A CERTIFICATE OF
PUBLIC CONVENIENCE AND NECESSITY (CUMBERLAND FALLS)**

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 Cumberland Falls 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 Cumberland Falls 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 Cumberland Falls 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), Eastpointe Engineering Group, LLC 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 or 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 McCreary 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 McCreary 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 Cumberland Falls 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

CHARTERED

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*
GEORGE L. LYON, JR.
PAMELA L. GIST
DAVID A. LAFURIA
TODD SLAMOWITZ*
TODD B. LANTOR*
STEVEN M. CHERNOFF*
KATHERINE PATSAS*

CONSULTING ENGINEERS
ALI KUZEHKANANI
LEILA REZANAVAZ
OF COUNSEL
LEONARD S. KOLSKY*
JOHN CIMKO*
J. K. HAGE III*
JOHN J. MCAVOY*
HON. GERALD S. MCGOWAN*
TAMARA DAVIS-BROWN*

*NOT ADMITTED IN VA

September 5, 2008

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 (Cumberland Falls) near Parkers Lake, 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 report.

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

Sincerely,

Leila Rezanavaz
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

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 11/20/08 End 11/25/08

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 2008-ASO-4911-OE

9. Latitude: 36 ° 50 ' 21 " 04 "

10. Longitude: 84 ° 20 ' 51 " 31 "

11. Datum: NAD 83 NAD 27 Other _____

12. Nearest Kentucky City Parkers LK County: McCreary

13. Nearest Kentucky public use or Military airport:

Williamsburg-Whitley County Airport

14. Distance from #13 to Structure: 8.8 Miles

15. Direction from #13 to Structure: WNW

16. Site Elevation (AMSL): 1110 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1365 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:

774 Herman Vanover Road
Parkers Lake, KY 42634

21. Description of Proposal:

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

Max ERP: 250 watts.

Frequencies: PCS Block C

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

No
 Yes, When 9/5/2008

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 9/5/2008
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.

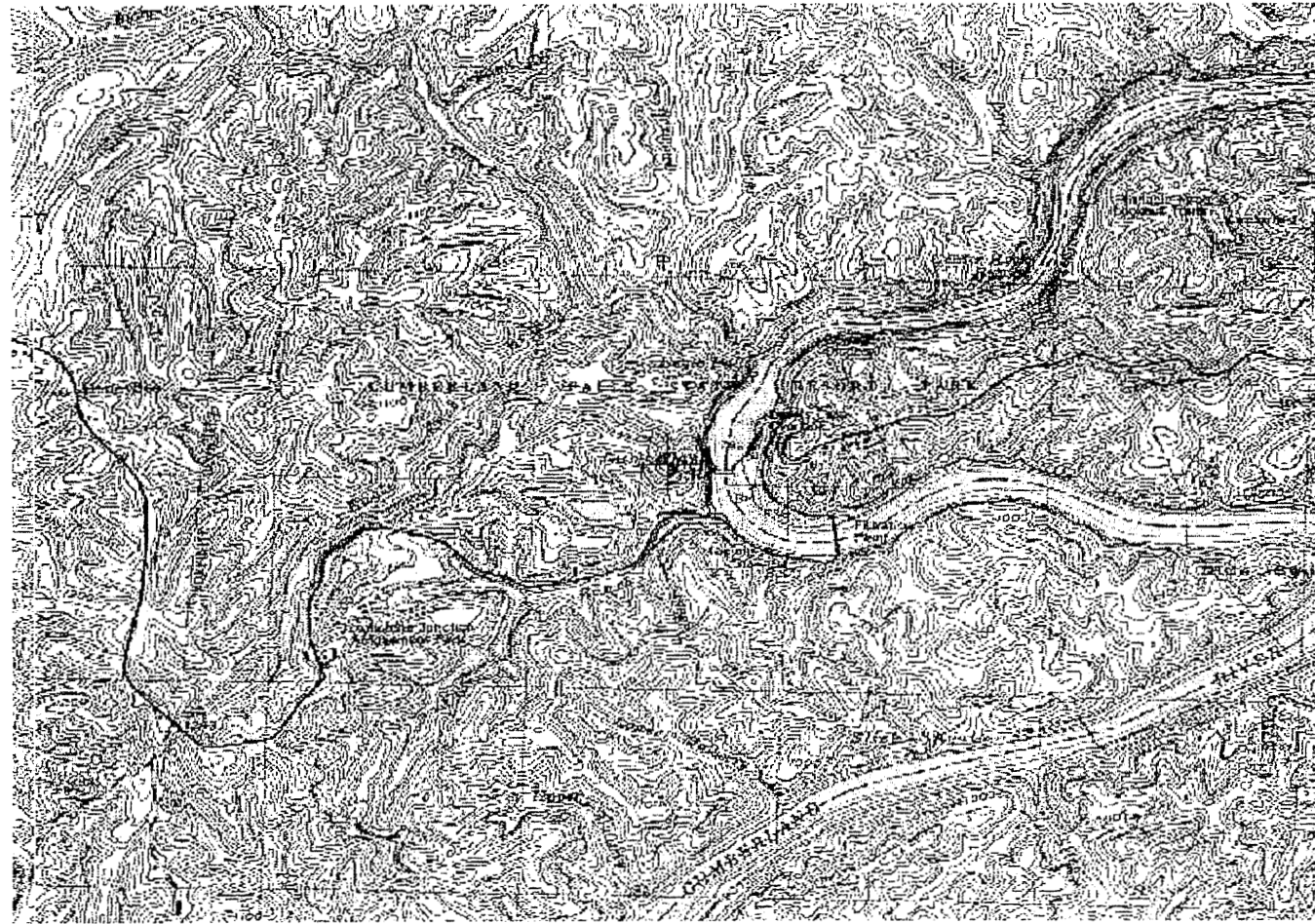
Commission Action:

Chairman, KAZC Administrator, KAZC

Approved
 Disapproved

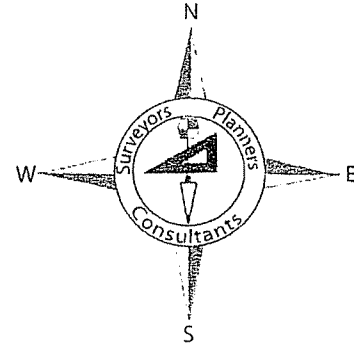
Date _____

Close Print



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

August 26, 2008

Designation: Cumberland Falls
Site ID No.: Not Available
Tower Type: Proposed Self-Support Tower
Location: 774 Herman Vanover Road, Parkers Lake, KY 42634

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

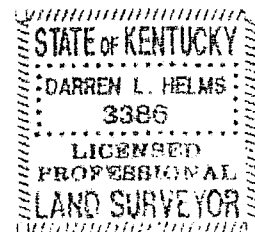
Latitude:	36 degrees 50 minutes 21.04 seconds North	(NAD 1983)
Longitude:	84 degrees 20 minutes 51.31 seconds West	(NAD 1983)
Ground Elevation:	1,109.5 feet or 338.18 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(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 August 14, 2008 using the National Geodetic Survey monument "FBN FRYE" 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-000102723-08 Sponsor: Bluegrass Cellular, Inc.

Details for Case : Cumberland Falls

Show Project Summary

Case Status		Structure Summary	
ASN: 2008-ASO-4911-OE	Date Accepted: 09/05/2008	Structure Type: Antenna Tower	
Status: Accepted	Date Determined:	Structure Name: Cumberland Falls	
	Letters: None	FCC Number:	
Construction / Alteration Information		Prior ASN:	
Notice Of: Construction			
Duration: Permanent			
<i>If Temporary:</i> Months: Days:			
Work Schedule - Start: 11/20/2008			
Work Schedule - End: 11/25/2008			
State Filing: Filed with State			
Structure Details		Common Frequency Bands	
Latitude: 36° 50' 21.04" N	Longitude: 84° 20' 51.31" W	Horizontal Datum: NAD83	Site Elevation (SE): 1110 (nearest foot)
Structure Height (AGL): 255 (nearest foot)	Marking/Lighting: Dual-red and medium intensity	<i>Other:</i>	
Nearest City: Parkers Lake	Nearest State: Kentucky	Low Freq	High Freq
Description of Location: Site is located at: 774 Herman Vanover Road Parkers Lake, KY 42634	Description of Proposal: Proposed self-support tower top-mounted antennas for overall height of 255' AGL.	806	824
		824	849
		851	866
		869	894
		896	901
		901	902
		930	931
		931	932
		932	932.5
		935	940
		940	941
		1850	1910
		1930	1990
		2305	2310
		2345	2360
		Freq Unit	ERP
		MHz	500 W
		MHz	500 W
		MHz	500 W
		MHz	500 W
		MHz	500 W
		MHz	7 W
		MHz	3500 W
		MHz	3500 W
		MHz	17 dBW
		MHz	1000 W
		MHz	3500 W
		MHz	1640 W
		MHz	1640 W
		MHz	2000 W
		MHz	2000 W
		Specific Frequencies	



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2008-ASO-6010-OE
Prior Study No.
2008-ASO-4911-OE

Issued Date: 11/07/2008

Scott McCloud
Bluegrass Cellular, Inc.
2902 Ring Road
Elizabethtown, KY 42701

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

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

Structure: Antenna Tower Cumberland Falls
Location: Parkers Lake, KY
Latitude: 36-50-21.04N NAD 83
Longitude: 84-20-51.31W
Heights: 135 feet above ground level (AGL)
1245 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

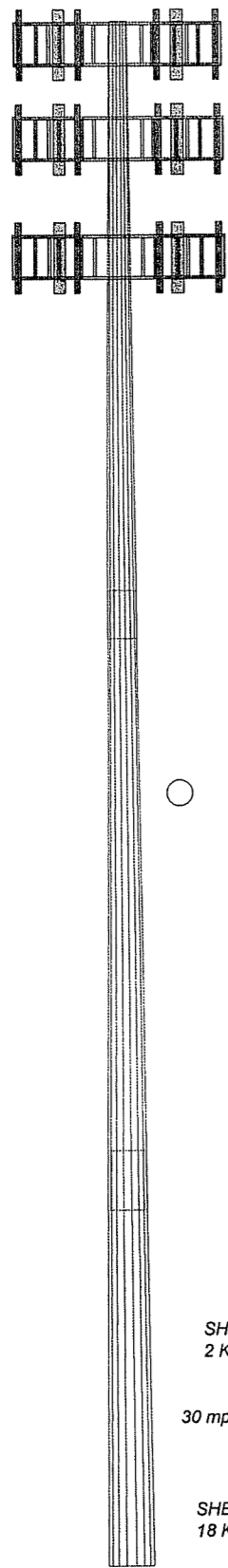
This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase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

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

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

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

Section	Length (ft)	Number of Sides	Thickness (in)	Lap Splice (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	52.00	18	0.1875	4.00	18.0000	29.4400	A572-65	2.5
2	52.00	18	0.2500	5.00	28.1850	39.6250	A572-65	4.7
3	35.00	18	0.2500	38.0250	45.7250			3.9
								11.1



DESIGNED APPURTENANCE LOADING

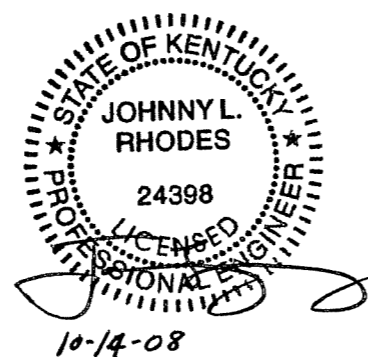
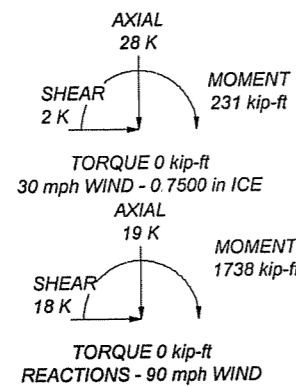
TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod 1"x10" (Initial)	130	T frame sector Mount (Future Carrier 1)	120
(2) D100-0042-0041 (Initial)	128	(2) RWB 80014/120 (Future)	110
(2) D100-0042-0041 (Initial)	128	(2) RWB 80014/120 (Future)	110
T frame sector Mount (Initial)	128	T frame sector Mount (Future Carrier 2)	110
T frame sector Mount (Initial)	128	T frame sector Mount (Future Carrier 2)	110
(2) D100-0042-0041 (Initial)	128	T frame sector Mount (Future Carrier 2)	110
(2) RWB 80014/120 (Future)	120	(2) RWB 80014/120 (Future)	110
(2) RWB 80014/120 (Future)	120		
(2) RWB 80014/120 (Future)	120		
T frame sector Mount (Future Carrier 1)	120		
T frame sector Mount (Future Carrier 1)	120		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

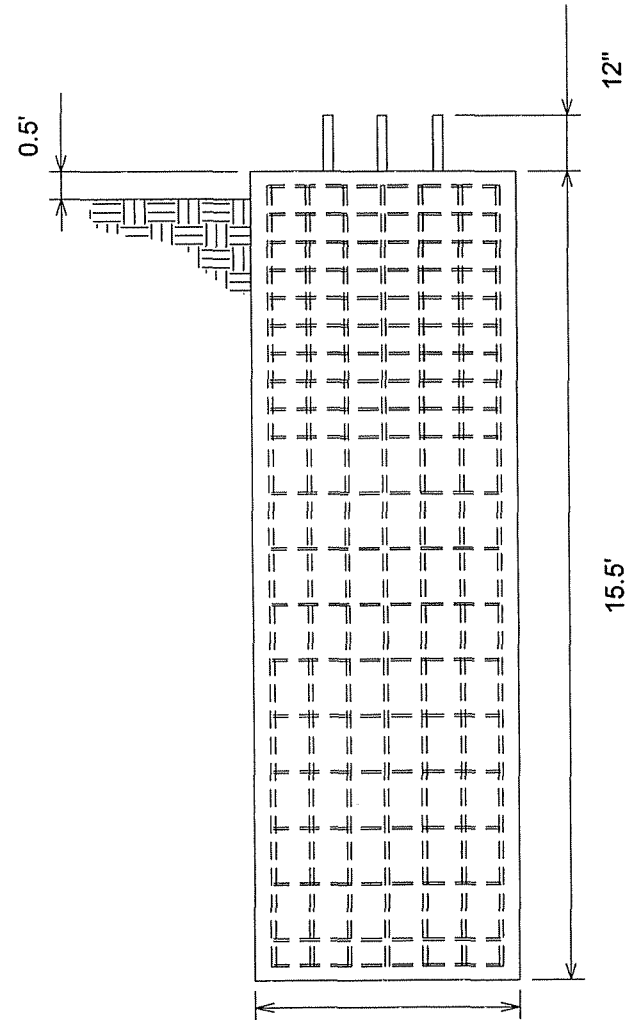
1. Tower is located in McCreary County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Structure Class = II
7. Topographic Category = 1
8. All lines considered to be inside pole.
9. Final Design 10/14/08. JLR



Eastpointe Engineering Group, LLC 4020 Tull Ave Muskogee, OK 74403 Phone: 918.683.2169 FAX: 918.682.7618	Job: EII Job #2993--Cumberland Falls
	Project: 130' MP--McCreary County, KY
	Client: Bluegrass Cellular Drawn by: Johnny L. Rhodes, P.E. App'd:
	Code: TIA-222-G Date: 10/14/08 Scale: NTS
	Path: <small>2:\pwork\Rev\2008\Series\0993_Cumberland\Info\Engineering\2993_EII_MP_Cumberland Falls.dwg</small> Dwg No. E-1

CAISSON DESIGN

Vertical Bars	(18) #9 bars, 15' long
Ties	#5 bars @ 6" c/c for the first 6.5' then 12" c/c thereafter

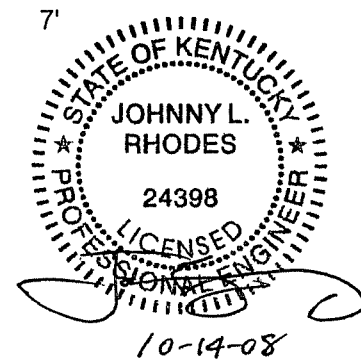


General Notes

1. Concrete shall be placed in accordance with ACI318-02, latest revision.
2. Concrete shall have a minimum 28 day compressive strength of 4000 PSI.
3. Rebar to conform to ASTM A615 grade 60.
4. Rebar used for ties may be A615 grade 40.
5. All rebar to have a minimum of 3" clear cover.
6. All exposed concrete corners to have 3/4" chamfer.
7. Bottom and side surfaces to rest on undisturbed soil.
8. Contractor shall be responsible to review and follow all recommendations of the geotechnical report.

Supplemental Notes

Soil values obtained from Terracon soils report #57087346 Dated 08/28/08.
Use (8) 2 1/4" A615-75 Anchor bolts w/ 72" embedment



EASTPOINTE ENGINEERING GROUP, LLC
4020 Tull Ave. Muskogee, OK 74403--Phone 918.683.2169--Fax:918.682.7618

Client:	Bluegrass Cellular	
Site:	Cumberland Falls	
Job:	2993	Drawn by: JLR
Scale:	NTS	Date: 10/14/08

GEOTECHNICAL ENGINEERING REPORT
PROPOSED 240' COMMUNICATION TOWER
SITE NAME: CUMBERLAND FALLS
PARKERS LAKE, MCCREARY COUNTY, KENTUCKY

Project No.: 57087346
August 28, 2008

Prepared For:

BLUEGRASS CELLULAR
Elizabethtown, Kentucky

Prepared by:

Terracon
Nashville, Tennessee
Louisville, Kentucky

Terracon

August 28, 2008



Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42702

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

Attention: Mr. Doug Updegraff

Re: Geotechnical Engineering Report
Proposed 240' Communication Tower
Site Name: Cumberland Falls
Parkers Lake, McCreary County, Kentucky
Terracon Project No. 57087346

Dear Mr. Updegraff:

The subsurface exploration for the proposed communication tower planned at the Cumberland Falls site in Parkers Lake, Kentucky has been completed. The accompanying report presents the findings of the subsurface exploration and provides recommendations regarding earthwork and the design and construction of foundations for the proposed tower.

Terracon's geotechnical design parameters and recommendations within this report apply to the existing planned tower height and would apply to adjustments in the tower height, up to a 20% increase or decrease in 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), 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. Should you have any questions concerning this report, or if we may be of further assistance, please contact us.

Sincerely,

Ashfaq A. Memon, P.E.
Geotechnical Engineer

Timothy G. LaGrow, P.E.
Kentucky No. 17758

n:\projects\Louisville\57087346.doc

Attachments

Copies to: Addressee (2 hard copies and PDF)

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Unified Soil Classification System	

GEOTECHNICAL ENGINEERING REPORT
PROPOSED COMMUNICATION TOWER
SITE NAME: CUMBERLAND FALLS
PARKERS LAKE, MCCREARY COUNTY, KENTUCKY

Project No.: 57087346
August 28, 2008

INTRODUCTION

Subsurface exploration for the proposed tower planned in Parkers Lake, Kentucky has been completed. As a part of our subsurface exploration, one (1) boring extending to a depth of approximately 30½ feet below existing grade was drilled at the site. 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 earthwork and the design and construction of foundations for the proposed communication tower and equipment building.

PROJECT DESCRIPTION

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

Vertical Load:	550 kips
Horizontal Shear:	70 kips
Uplift:	450 kips

A small, lightly loaded equipment building or metal equipment cabinets supported on thickened concrete slabs will also be constructed at the site. At the time of our visit, the property was a grass and gravel covered vacant tract adjacent to some woods. Existing grades within the 100-foot by 100-foot leased area were not available as of this writing. However, based on our field observation, the proposed site appeared relatively flat and will likely require minimal cut and fill.

SUBSURFACE EXPLORATION AND TESTING PROCEDURES

The boring was drilled near the expected tower center as staked in the field by the owner's representative. The approximate boring location is shown on the enclosed boring location plan. The surface elevation of the site was not available and has been omitted from the boring log.

Drilling was performed using a truck mounted drill rig. Hollow stem augers were used to advance the borehole. Representative soil samples were obtained by the split-barrel sampling procedure. 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 value (N). This value is used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils. The sampling depths and penetration distance, plus the standard penetration resistance values, are shown on the boring log. The samples were sealed and returned to the laboratory for testing and classification.

Auger refusal was encountered at a depth of about 10½ feet. Below this depth, the boring was advanced 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 percent recovery and RQD are 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 the drill crew. 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 field log and includes modifications based on laboratory observation and tests of the samples.

The soil 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 general 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 one 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.

Classification and descriptions of rock core samples are in general 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.

SITE GEOLOGY

A review of the Geologic Quadrangle Map, Cumberland Falls, Kentucky (dated 1963), published by the United States Geological Survey (USGS) indicates that the site is underlain by the Lees Formation, which consists of shale and sandstone. The sandstone is yellowish-brown, fine to medium grained and clayey. The shale is dark-brown to brownish gray and sandy. The shale contains numerous lenses of yellowish gray to brown clayey fine grained sandstone and siltstone. The thickness of Lees Formation ranges from 0 to 130 feet.

SITE AND SUBSURFACE CONDITIONS

The communication tower will be located at the end of Herman Vanover Road off Highway 90 in Parkers Lake, McCreary County, Kentucky. The site is situated within a former tourist area next to a horse corral and adjacent to undeveloped woods. The proposed tower site will be located within a relatively level grass and gravel covered tract as shown on the enclosed Boring Location Diagram (Figure 1).

Specific conditions encountered at the boring location are indicated on the attached boring log. The stratification boundaries on the boring log represent the approximate location of changes in soil and rock types; in-situ, the transition between materials may be gradual. Conditions encountered at the boring location are summarized below.

Beneath about 6 inches of gravel cover, the boring encountered cohesive fill to a depth of about 2 feet below grade. Natural lean to fat clay was encountered beneath the existing fill and extended to highly weathered sandstone at about 6 feet below grade. Weathered sandstone extended to auger refusal at about 10 ½ feet below existing grade. The fill and natural soils exhibited a very stiff consistency based on standard penetration (N) values of

21 and 20 blows per foot (bpf). The N-value within the fill may be inflated by the presence of some limestone fragments.

Below a depth of about 10½ feet, rock coring techniques were employed to sample the refusal materials. The bedrock was found to consist of moderately weathered and fractured, thin bedded and cemented sandstone with shale and siltstone bedding. The bedrock at the site appears to be relatively continuous as evidenced by core recoveries in excess of 80 percent. The quality of the rock is rated as very poor to good based on RQD values of 20 to 80 percent. Considering relatively continuous nature of the bedrock, coring operations were terminated at a depth of approximately 30½ feet below existing grade.

WATER LEVEL OBSERVATIONS

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.

Fluctuations of the groundwater level can occur due to seasonal variations in the amount of rainfall, runoff, and other factors not evident at the time the boring was performed. Perched water could develop at higher levels within more permeable layers following periods of heavy or prolonged precipitation. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

ANALYSIS AND RECOMMENDATIONS

General

Based on the encountered subsurface conditions, the proposed tower can be either founded on drilled piers or on a mat foundation. The equipment building may be supported on shallow spread footings. Design recommendations for the tower drilled pier and mat foundation as well as shallow footings for the equipment building are presented in the following paragraphs.

Tower Foundations - Drilled Pier Alternative: The proposed tower can be supported on drilled pier foundations. Based on the results of our boring, we have developed the following tower foundation design parameters:

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	Fill	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
2 – 6	Lean to Fat Clay	425	Ignore	1,500	0	1,500	125	0.007
6 – 10 ½	Weathered Sandstone	525	5,000	2,500	0	2,500	200	0.005
10½ --15	Sandstone w/shale	1,500 ***	10,000	3,000	0	30,000 ***	3,000	0.00001
15 --25	Sandstone	4,500	20,000	9,000	0	90,000	3,000	0.00001
25 – 30 ½	Sandstone	6,000	40,000	12,000	0	120,000	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 140 pcf can be estimated for the clay and sandstone, respectively.

*** The parameters have been reduced to take into account the shallow overburden. The pier should be embedded a minimum of 3 feet into intact sandstone to mobilize these 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 a factor of safety of about 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on our boring, published values and our past experience with similar soil 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. If the drilled piers are designed using the above parameters and bear within the sandstone bedrock, settlements are not anticipated to exceed 1/4 inch.

The upper 2 feet of fill should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in uplift and lateral resistance caused by variable bedrock depths and bedrock quality, it is recommended that a minimum pier length and minimum intact rock socket length be stated on the design drawings. Relatively intact rock was encountered in our boring below a depth of about 10½ feet, but could vary between tower legs, or if the tower is moved from the location of our boring, or if significant grade changes occur at the site. Considering the site geology, variable rock depths should be anticipated if the tower location is moved from the location of our boring. If the tower center is moved more than 25 feet, our office should be notified to review our 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.

Although our boring was able to penetrate the highly weathered sandstone from 6 to 10 ½ feet, there is a possibility that larger diameter drilled pier equipment will refuse on this material, at higher elevations than shown in our boring. The contractor should recognize the hardness of the material and be prepared to use rock teeth or other means to extend through these layers.

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.

Tower Foundations - Mat Foundation Alternative: If desired, a mat foundation can be used to support the proposed tower. The mat foundation can be designed using the following natural soil/engineered fill parameters. These parameters are based on the findings of our boring, a review of published values and our 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	Fill	Ignore	Ignore	-	
≥ 2	Lean to fat Clay or Crushed Stone Fill	3,500	Ignore	0.35	125

To assure that fill and/or 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.

Equipment Building/Equipment Cabinet Foundations: Considering the questionable nature and limited thickness of the existing fill, it is recommended that the building/cabinet areas be undercut in their entirety, and backfilled with well compacted fill. The undercut should extend at least 5 feet outside the building/cabinet footprint. The proposed equipment

building may then be supported on shallow footings bearing on the newly compacted fill. Alternatively, the building footings can be extended through the fill and placed on natural soils. The building floor slab or cabinet slab can be ground supported on the existing fill, provided the slab area passes a proofroll test. With the second alternative, the owner would have to accept somewhat higher than normal risk of floor slab settlement associated with the uncertain characteristics of the fill.

The proposed equipment building may be supported on shallow footings bearing on firm natural soils. We recommend the equipment building foundations be dimensioned using a net allowable soil bearing pressure of 3,000 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 foundation excavations should be observed by a qualified geotechnical engineer or his representative 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 firm 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, it is our opinion that total settlement will 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 1.5 feet, or greater, below finished exterior grade for protection against frost damage.

Parking and Drive Areas - It is our understanding that 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 (KTC) specifications and applicable local codes.

It should be noted that a paving 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 which may develop should be repaired as soon as possible to minimize the damage to the soil subgrade.

Site Preparation: Site preparation should begin with the removal of any topsoil, loose, soft or otherwise unsuitable materials from the construction area. The actual stripping depth, along with any soft soils that require undercutting, should be evaluated by the geotechnical engineer 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. Fill placed beneath the tower mat foundation should be limited to granular soils and well graded limestone rock. Suitable fill materials beneath the equipment building and roads can consist of either granular material or low-plasticity cohesive soil. 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 only marginally suitable for re-use as fill due to the moderately high plasticity. The undercut fill is expected to be soil and rock mix and is not recommended for reuse. 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. All 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). All cohesive 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.

We recommend the geotechnical engineer 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.

Seismic Considerations - Based on a review of the 2002 edition of the Kentucky Building Code, subsurface conditions encountered in our borings, the results of our laboratory testing, and our experience in this geologic region, the site corresponds to the seismic site class C.

GENERAL COMMENTS

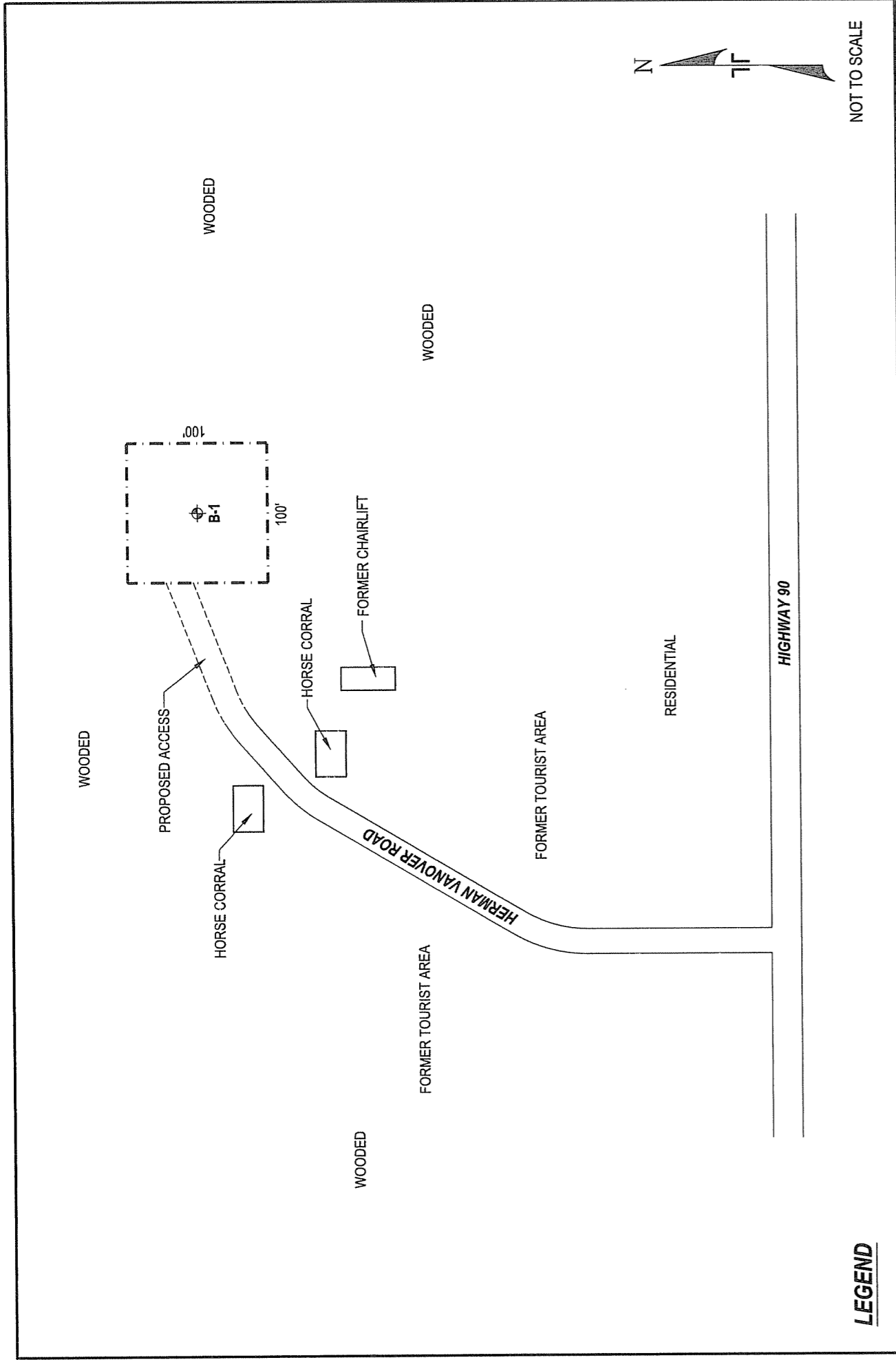
Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide testing and observation during excavation,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



LEGEND

- - - - - SUBJECT SITE
- ⊕ APPROXIMATE BORING LOCATION

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mgr:	AM	Project No.	57087346
Drawn By:	DWD	Scale:	AS SHOWN
Checked By:	AM/MRF	File No.	GE057087346-1
Approved By:	AM	Date:	AUGUST 2008

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BORING LOCATION DIAGRAM GEOTECHNICAL ENGINEERING REPORT PROPOSED 240' SS TOWER CUMBERLAND FALLS SITE PARKERS LAKE, KY	FIG. No. 1
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LOG OF BORING NO. B-1

CLIENT		PROJECT							
Bluegrass Cellular		Proposed 240' Communication Tower							
SITE		PROJECT							
Parkers Lake, KY		Cumberland Falls Site							
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	SAMPLES			TESTS			
			USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf
0.5	FILL: CRUSHED ROCK								
2	FILL: LEAN CLAY, with limestone fragments, brown, very stiff, slightly moist		CL	1	SS	12	20	9	
	LEAN TO FAT CLAY, tan-brown, very stiff, moist		CL	2	SS	18	21	15	
5			CH						LL=48 PL=20 PI=28
6	WEATHERED SANDSTONE, trace clay, brown, hard, moist			3	SS	10	50/3"	7	
				4	SS	3	50/3"	5	
10.5	AUGER REFUSAL SANDSTONE, with shale and siltstone layers, yellowish-brown to tannish-gray, well-cemented, moderately weathered, hard, thin bedded			R-1	DB	82%			RQD=20%
				R-2	DB	80%			RQD=42%
				R-3	DB	100%			RQD=47%
	-Gray below 25'			R-4	DB	100%			RQD=80%
30.5	CORING TERMINATED								

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	Dry



BORING STARTED	8-21-08
BORING COMPLETED	8-21-08
RIG	GAI FOREMAN Wells
LOGGED	AM JOB # 57087346

BOREHOLE 57087346-CUMBERLAND FALLS SITE.GPJ TERRACON.GDT 8/29/08

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
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	4-6	Medium Stiff
2,001 - 4,000	7-12	Stiff
4,001 - 8,000	13-26	Very Stiff
8,000+	26+	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

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

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)

PLASTICITY DESCRIPTION

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

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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.

UNIFIED SOIL CLASSIFICATION SYSTEM

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

^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.

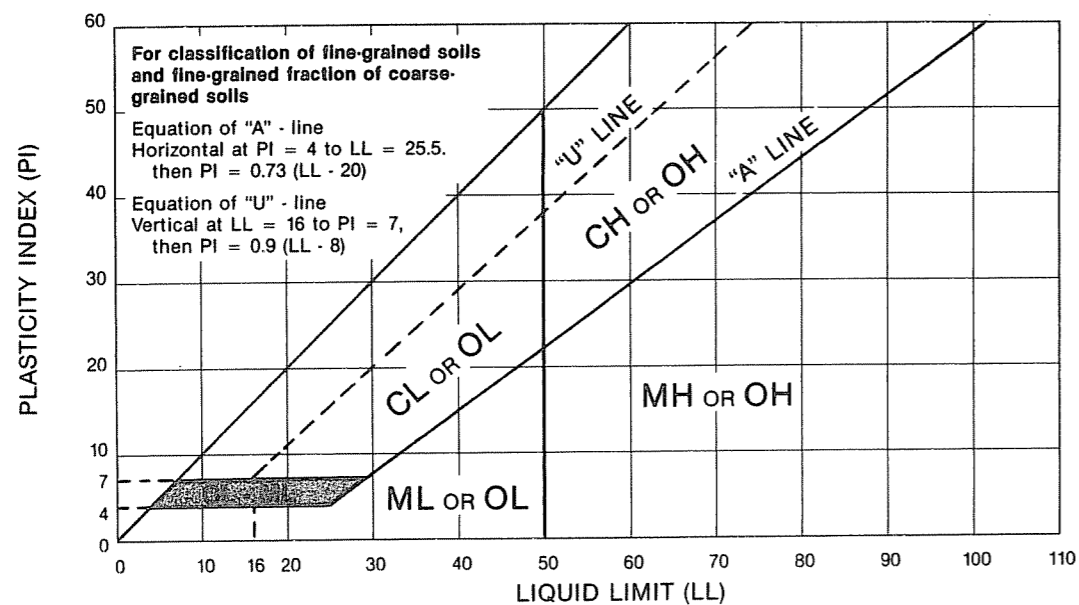
^MIf soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^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.



Terracon

Site: Cumberland Falls Lease Boundary and Topographic Survey McCreary County, Kentucky

True North
Grid North
00°51'02"

Lease Boundary and Easement Description

A tract of land that is located at the east end of Herman Vanover Road, 0.9 miles easterly of the intersection of said road with Kentucky Highway 90, near Cumberland Falls in McCreary County, Kentucky; said tract being described as follows:

COMMENCING AT a 1/2-inch iron pipe found exposed 8 inches with a survey cap inscribed "KEN-2027 TENN-920" which monuments the southeast corner of the 7.86-acre Connie Clippert tract, as described in Deed Book 160, page 460 in the office of the County Clerk of McCreary County, Kentucky; thence, along the eastern boundary of said Clippert tract, North 20 degrees 49 minutes 36 seconds East 94.14 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence North 69 degrees 10 minutes 24 seconds West 30.00 feet to a rebar set flush; thence North 26 degrees 31 minutes 36 seconds West 51.66 feet to a rebar set flush; thence North 20 degrees 49 minutes 36 seconds East 65.00 feet to a rebar set flush; thence South 69 degrees 10 minutes 24 seconds East 68.00 feet to a rebar set flush on the eastern boundary of the aforesaid Clippert tract; thence South 20 degrees 49 minutes 36 seconds West 100.00 feet to the point of beginning and containing 0.141 acres (6,135 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.141-acre lease tract to the east end of the publicly maintained portion of Herman Vanover Road; 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" (referred to as rebar in the remainder of this description) at the south most corner of the above-described 0.141-acre lease tract; thence South 20 degrees 49 minutes 36 seconds West 20.00 feet; thence North 69 degrees 10 minutes 24 seconds West 6.50 feet; thence Southwesterly 103.75 feet along an arc to the right and having a radius of 58.90 feet and subtended by a long chord having a bearing of South 71 degrees 17 minutes 25 seconds East and a length of 90.88 feet; thence North 58 degrees 13 minutes 37 seconds West 48.28 feet; thence Northwesterly 45.36 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 36 degrees 34 minutes 01 second West and a length of 44.29 feet; thence North 14 degrees 54 minutes 25 seconds West 4.68 feet; thence Northwesterly 41.99 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 44 degrees 07 minutes 13 seconds West and a length of 40.09 feet; thence North 75 degrees 03 minutes 13 seconds West 43.44 feet; thence North 70 degrees 03 minutes 15 seconds West 116.31 feet; thence North 54 degrees 40 minutes 46 seconds West 107.45 feet; thence Northwesterly 18.69 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 68 degrees 03 minutes 47 seconds West and a length of 18.52 feet; thence North 81 degrees 26 minutes 46 seconds West 44.16 feet; thence Northwesterly 49.31 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 57 degrees 54 minutes 10 seconds West and a length of 47.93 feet; thence North 34 degrees 21 minutes 33 seconds West 66.46 feet; thence North 20 degrees 26 minutes 44 seconds West 56.08 feet; thence Northwesterly 24.79 feet along an arc to the left and having a radius of 30.00 feet and subtended by a long chord having a bearing of North 44 degrees 07 minutes 13 seconds West and a length of 24.09 feet; thence North 67 degrees 47 minutes 42 seconds West 167.33 feet; thence North 65 degrees 10 minutes 25 seconds West 141.43 feet; thence West 134.28 feet along an arc to the left and having a radius of 180.00 feet and subtended by a long chord having a bearing of North 86 degrees 32 minutes 40 seconds West and a length of 131.19 feet; thence South 72 degrees 05 minutes 05 seconds West 93.94 feet; thence South 74 degrees 38 minutes 16 seconds West 152.35 feet; thence South 63 degrees 26 minutes 38 seconds West 367.61 feet; thence South 67 degrees 02 minutes 53 seconds West 190.01 feet; thence West 192.75 feet along an arc to the right and having a radius of 255.00 feet and subtended by a long chord having a bearing of South 88 degrees 42 minutes 09 seconds West and a length of 188.19 feet; thence North 69 degrees 38 minutes 35 seconds West 80.30 feet to east end (end of maintenance) of Herman Vanover Road (apparent 30-foot total right of way width); thence, along the east end of said road, North 20 degrees 21 minutes 25 seconds East 20.00 feet; thence South 69 degrees 38 minutes 35 seconds East 80.30 feet; thence Easterly 177.63 feet along an arc to the left and having a radius of 235.00 feet and subtended by a long chord having a bearing of North 88 degrees 42 minutes 09 seconds East and a length of 123.43 feet; thence North 67 degrees 02 minutes 53 seconds East 189.38 feet; thence North 63 degrees 26 minutes 38 seconds East 368.95 feet; thence North 74 degrees 38 minutes 16 seconds East 153.86 feet; thence North 72 degrees 05 minutes 05 seconds East 93.50 feet; thence Easterly 149.20 feet along an arc to the right and having a radius of 200.00 feet and subtended by a long chord having a bearing of South 86 degrees 32 minutes 40 seconds East and a length of 145.76 feet; thence South 65 degrees 10 minutes 25 seconds East 140.98 feet; thence South 67 degrees 47 minutes 42 seconds East 166.87 feet; thence Southwesterly 41.32 feet along an arc to the right and having a radius of 50.00 feet and subtended by a long chord having a bearing of South 44 degrees 07 minutes 13 seconds East and a length of 40.15 feet; thence South 20 degrees 26 minutes 44 seconds East 53.64 feet; thence South 34 degrees 21 minutes 33 seconds East 64.02 feet; thence Southwesterly 32.87 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 57 degrees 54 minutes 10 seconds East and a length of 31.96 feet; thence South 81 degrees 26 minutes 46 seconds East 44.16 feet; thence Southeast 28.03 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 68 degrees 03 minutes 47 seconds East and a length of 27.78 feet; thence South 54 degrees 40 minutes 46 seconds East 104.75 feet; thence North 70 degrees 03 minutes 15 seconds East 112.74 feet; thence South 75 degrees 03 minutes 13 seconds East 42.56 feet; thence Southeast 62.99 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 44 degrees 38 minutes 49 seconds East and a length of 53.64 feet; thence South 26 degrees 31 minutes 36 seconds East 51.66 feet to a rebar set flush at a corner in the southwestern boundary of the above-described 0.141-acre lease tract; thence South 69 degrees 10 minutes 24 seconds East 30.00 feet to the point of beginning.

The bearing system of this description is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on August 14, 2008 using the National Geodetic Survey monument "FBN FRYE". This description is based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on August 26, 2008. This survey is hereby referenced and made a part of this description.

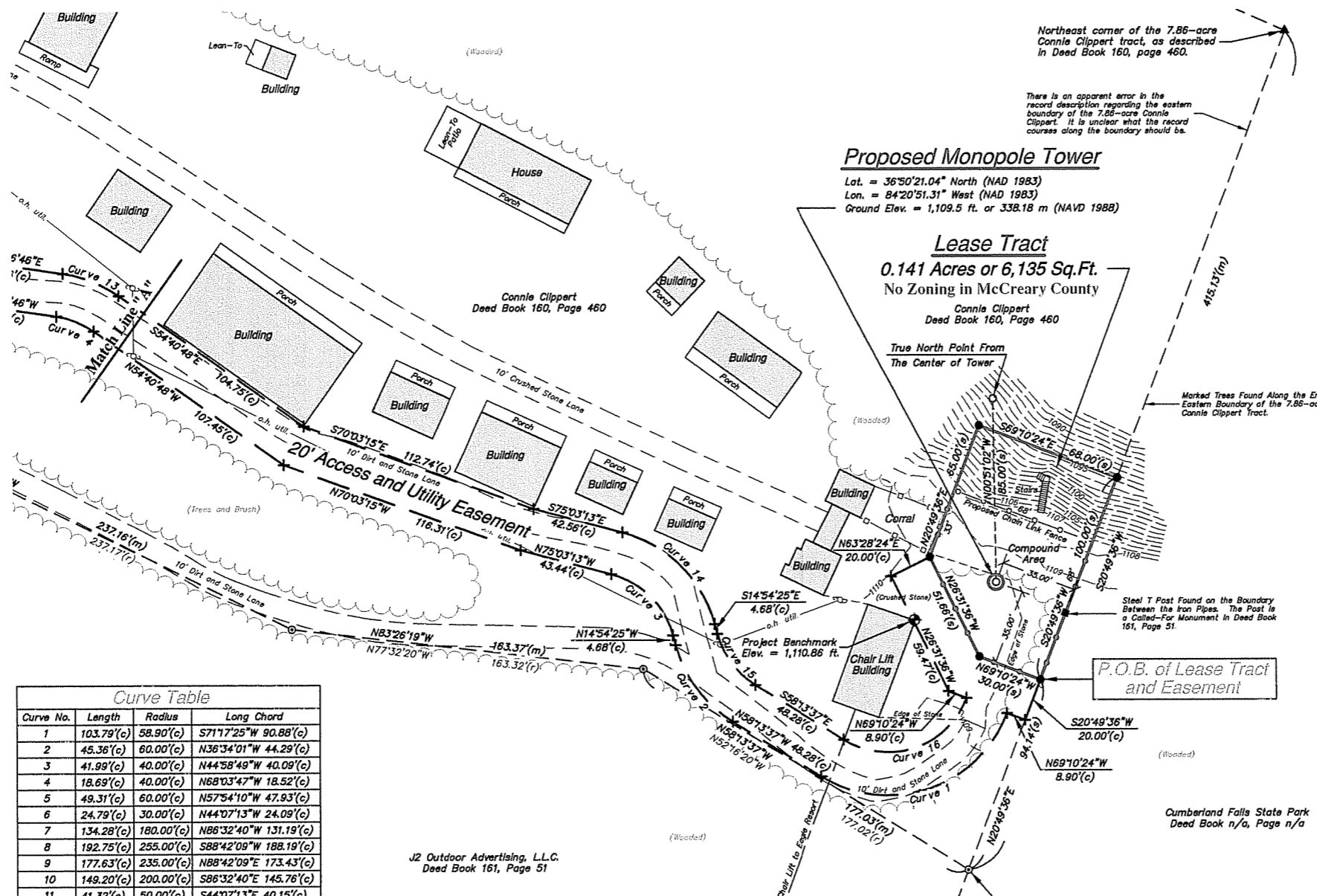
SOURCE OF TITLE: The 0.141-acre lease tract being a portion of the land described in deed to Connie L. Clippert on April 24, 2002 in Deed Book 160, page 460 in the office of the County Clerk of McCreary County, Kentucky. The access and utility easement being a portion of said Clippert tract and a portion of the land described in deed to Jimmy L. Vance and Donna B. Vance on February 8, 2007 in Deed Book 179, page 503 in said County Clerk's office.

Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on August 14, 2008 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was better than 1:23,900 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
Darren L. Helms, P.L.S. 3386

Oct. 22, 2008
Date



Proposed Monopole Tower

Lat. = 36°50'21.04" North (NAD 1983)
Lon. = 84°20'51.31" West (NAD 1983)
Ground Elev. = 1,109.5 ft. or 338.18 m (NAVD 1988)

Lease Tract
0.141 Acres or 6,135 Sq.Ft.
No Zoning in McCreary County

Curve No.	Length	Radius	Long Chord
1	103.79(c)	58.90(c)	S71°17'25"W 90.88(c)
2	45.36(c)	60.00(c)	N36°34'01"W 44.29(c)
3	41.99(c)	40.00(c)	N44°58'49"W 40.09(c)
4	18.69(c)	40.00(c)	N68°03'47"W 18.52(c)
5	49.31(c)	60.00(c)	N57°54'10"W 47.93(c)
6	24.79(c)	30.00(c)	N44°07'13"W 24.09(c)
7	134.28(c)	180.00(c)	N86°32'40"W 131.19(c)
8	192.75(c)	255.00(c)	S88°42'09"W 188.19(c)
9	177.63(c)	235.00(c)	N88°42'09"E 173.43(c)
10	149.20(c)	200.00(c)	S86°32'40"E 145.76(c)
11	41.32(c)	50.00(c)	S44°07'13"E 40.15(c)
12	32.87(c)	40.00(c)	S57°54'10"E 31.96(c)
13	28.03(c)	60.00(c)	S68°03'47"E 27.78(c)
14	62.99(c)	60.00(c)	S44°58'49"E 60.13(c)
15	30.24(c)	40.00(c)	S36°34'01"E 28.53(c)
16	68.56(c)	38.90(c)	N71°17'07"E 60.02(c)

Reduced Copy

Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on August 14, 2008 using the National Geodetic Survey monument "FBN FRYE" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information

Designation: Cumberland Falls
Site ID#: None
Horizontal Datum: NAD 1983 (2007)
Latitude: 36°50'21.04" North
Longitude: 84°20'51.31" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,109.5 feet (338.18 meters)
State Plane Coordinates:
Northing: 1,827,633.11 feet (557,063.686 meters)
Easting: 2,050,805.58 feet (625,086.791 meters)

Owner Information

Landowner: Connie Clippert
Address: 124 East Perry Street
Versailles, Indiana 47042
Contact Person: Connie Clippert
Phone: 812-621-1819
PVA Map No. 183-00-00-003.01

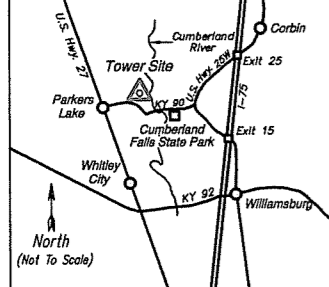
Project Bench Mark

Northing: 1,827,616 feet (557,058 meters)
Easting: 2,050,768 feet (625,075 meters)
Elevation: 1,110.86 feet (338.591 meters)
Description: A railroad spike set in the north side of a 6" x 5" wood column at the northeast corner of the chair lift building. The benchmark is approximately 42 feet southwest of the center of the tower.

Flood Plain Statement

According to the Flood Hazard Boundary Map for the Unincorporated Areas of McCreary County, Kentucky; Community Panel No. 210343 0004 A, dated November 25, 1997; the subject site does not lie within a flood hazard area.

Vicinity Map



Directions to Site

From Elizabethtown, Kentucky; travel south on I-65 for about 50 miles to Exit 43 and the Cumberland Parkway; travel east on the Cumberland Parkway to Somerset and U.S. Highway 27; turn right and travel south on U.S. Highway 27 for approximately 24 miles to Parkers Lake and Kentucky Highway 90; turn left onto Kentucky Highway 90 and travel east for 10.7 miles to Herman Vanover Road, which is about 1.3 miles before reaching the Cumberland River; turn left onto Herman Vanover Road and travel easterly 0.9 miles to the tower site at the end of the road and the former amusement attraction known as Six Gun City.

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 plat 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 plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Mr. Tony Jones, Deputy County Judge Executive of McCreary 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 806-376-2413 for confirmation.
- The proposed location of the Cumberland Falls 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
- Steel "T" Post Found Exposed 48"
- ⊙ 3/4" Iron Pipe Found Exposed 8" With A Survey Cap Inscribed "KEN-2027 TENN-920"
- ▲ 3/4" Iron Pipe Found Exposed 4" With A 14" White Oak Witness
- × Calculated Position - No Monument Found or Set

- Subject Boundaries
- - - Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- Utility Pole
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

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

GRAPHIC SCALE

(IN FEET)
1 inch = 90 ft.
Contour Interval = 1-foot

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47201
(812) 257-0950
Email: landmark@landmarkinc.com
Project No. 08-06-0142

Lease Boundary Survey
774 Herman Vanover Road
Parkers Lake, Kentucky 42634

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

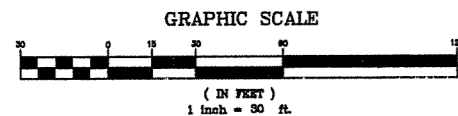
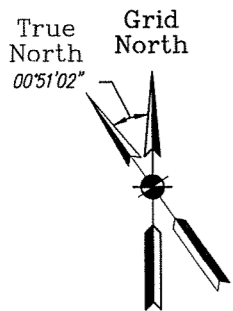
REVISIONS	DATE
Monopole	10/22/08

DATE	DRAWN BY	CHECKED BY
8-26-08	A. Winkler	D.L. Helms

SHEET NO.
1
OF 3 SHEETS

FILE NO.
cumberland-rev.dwg

Site: Cumberland Falls
Lease Boundary and Topographic Survey
McCreary County, Kentucky



Legend

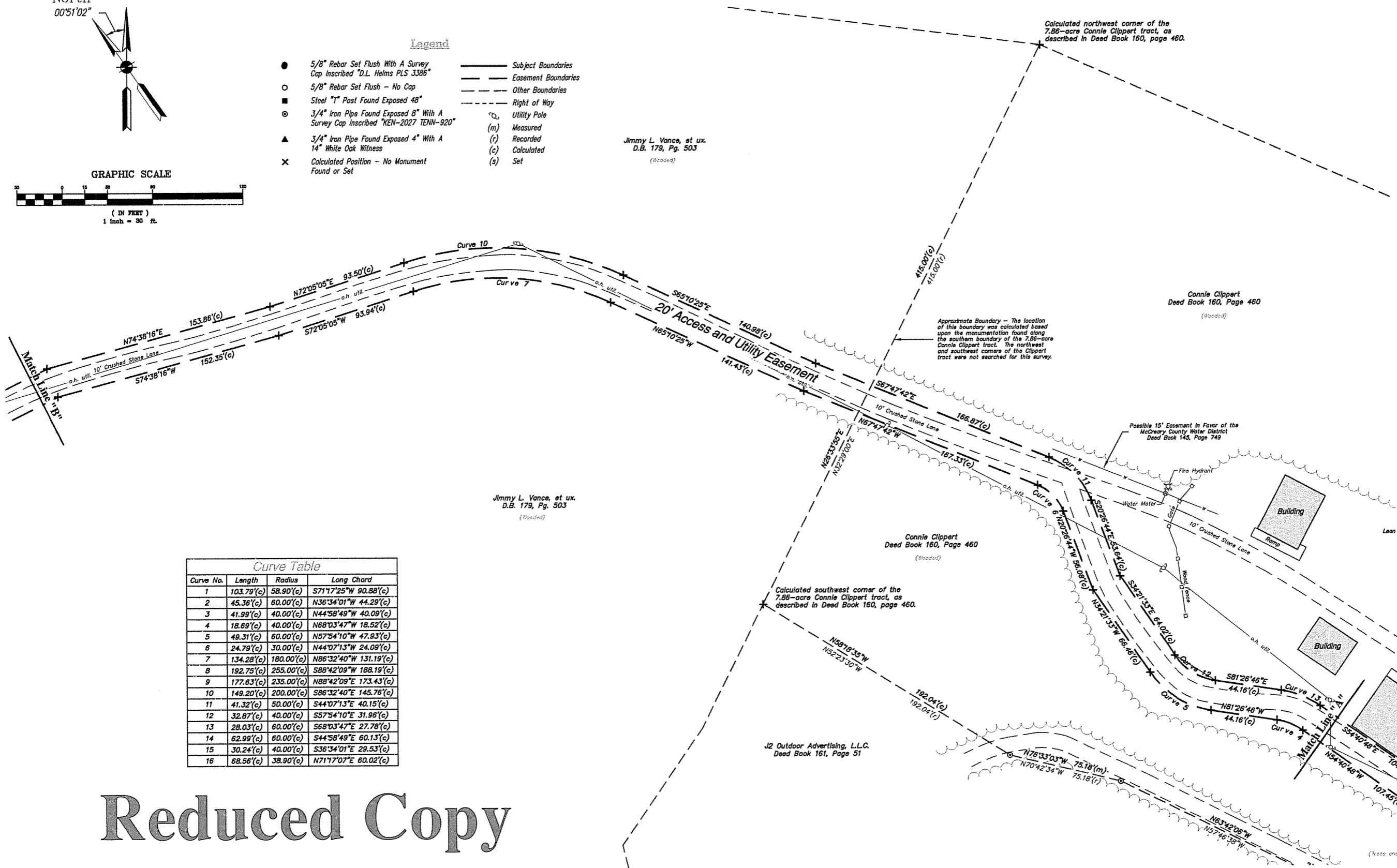
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Jimmy L. Vance, et ux.
 D.B. 179, Pg. 503
 (Wooded)

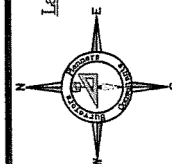
Jimmy L. Vance, et ux.
 D.B. 179, Pg. 503
 (Wooded)

J2 Outdoor Advertising, L.L.C.
 Deed Book 161, Page 51

Curve No.	Length	Radius	Long Chord
1	103.79'(c)	58.90'(c)	S71°17'25"W 90.88'(c)
2	45.36'(c)	60.00'(c)	N36°34'01"W 44.29'(c)
3	41.99'(c)	40.00'(c)	N44°58'49"W 40.09'(c)
4	18.89'(c)	40.00'(c)	N68°03'47"W 18.52'(c)
5	49.31'(c)	60.00'(c)	N57°54'10"W 47.93'(c)
6	24.79'(c)	30.00'(c)	N44°07'13"W 24.09'(c)
7	134.28'(c)	180.00'(c)	N86°32'40"W 131.19'(c)
8	192.75'(c)	255.00'(c)	S88°42'09"W 188.19'(c)
9	177.63'(c)	235.00'(c)	N88°42'09"E 173.43'(c)
10	149.20'(c)	200.00'(c)	S86°32'40"E 145.76'(c)
11	41.32'(c)	50.00'(c)	S44°07'13"E 40.15'(c)
12	32.87'(c)	40.00'(c)	S57°54'10"E 31.96'(c)
13	28.03'(c)	60.00'(c)	S68°03'47"E 27.78'(c)
14	62.99'(c)	60.00'(c)	S44°58'49"E 60.13'(c)
15	30.24'(c)	40.00'(c)	S36°34'01"E 29.53'(c)
16	68.56'(c)	38.90'(c)	N71°17'07"E 60.02'(c)



Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0950
 Email: landmark@landmarksurvey.com
 Project No. 08-06-0142



Lease Boundary Survey
 774 Herman Vanover Road
 Parkers Lake, Kentucky 42634

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

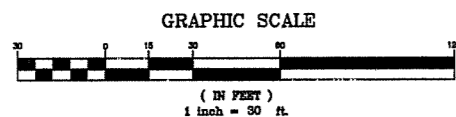
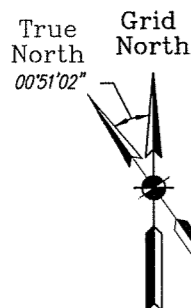
REVISIONS	DATE

DATE: 8-26-08
 DRAWN BY: A. Winkler
 CHECKED BY: D.L. Helms

SHEET NO.
2
 OF 3 SHEETS
 FILE NO.
 cumberland.dwg

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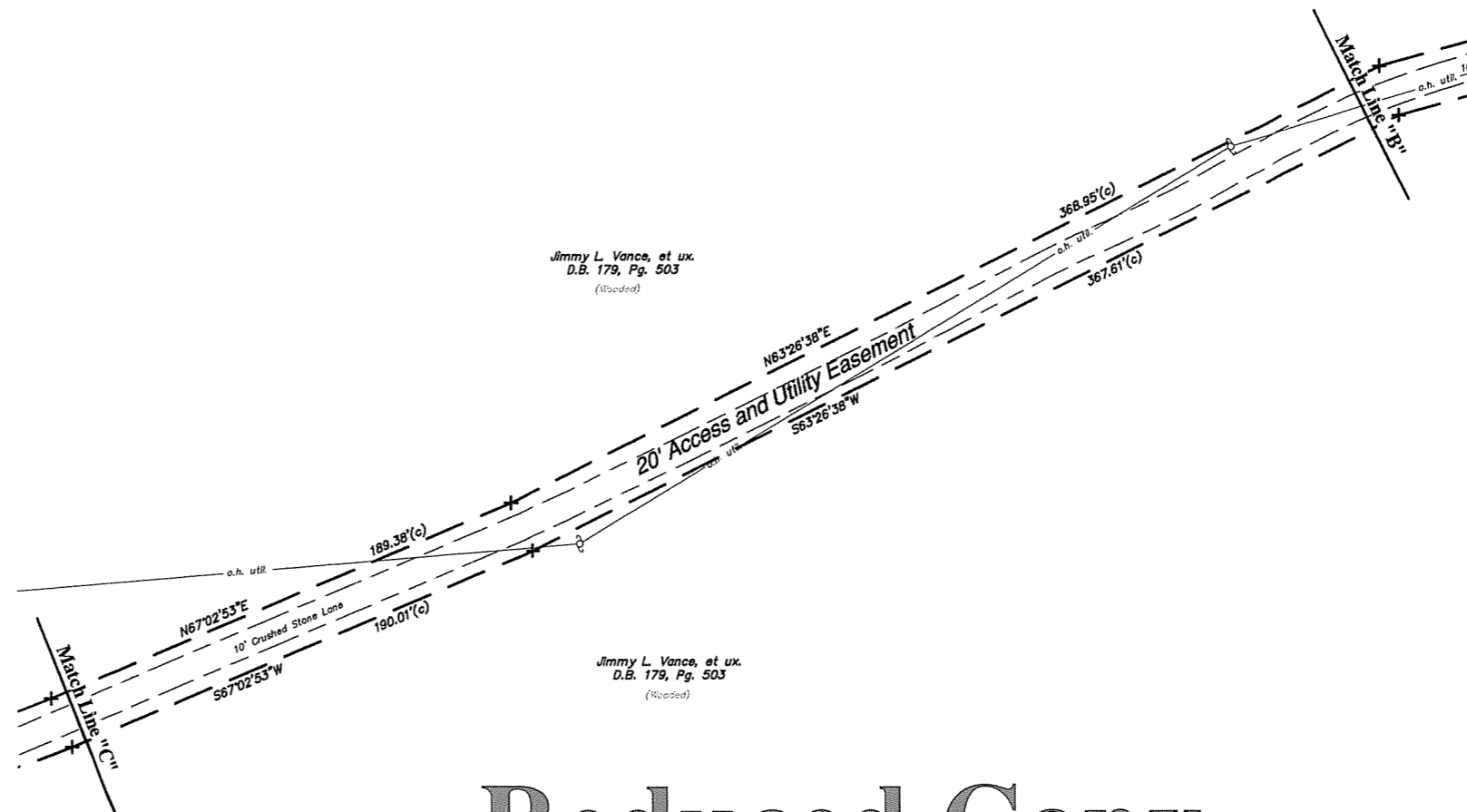
Site: Cumberland Falls
Lease Boundary and Topographic Survey
McCreary County, Kentucky



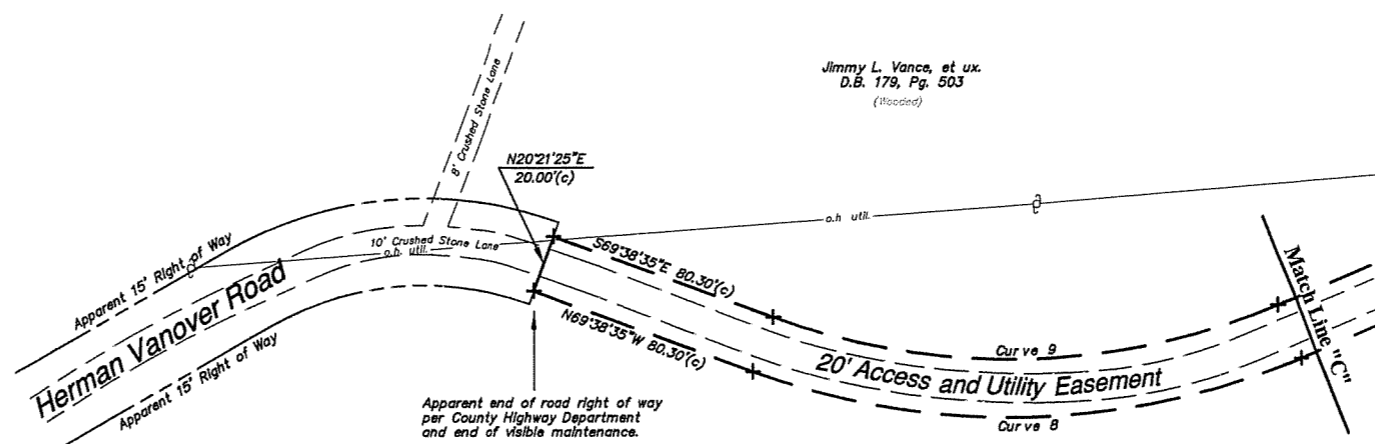
Legend

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 - 5/8" Rebar Set Flush - No Cap
 - Steel "T" Post Found Exposed 48"
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 - ✕ Calculated Position - No Monument Found or Set
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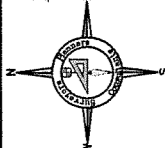
Curve Table			
Curve No.	Length	Radius	Long Chord
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Reduced Copy



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 15 N.E. 3rd Street
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 Email: landmark@landmark.net
 Project No. 08-06-0142



Lease Boundary Survey
 774 Herman Vanover Road
 Parkers Lake, Kentucky 42634

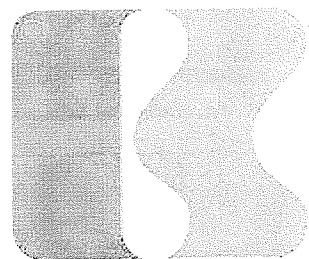
Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 8-26-08
 DRAWN BY: A. Winkler
 CHECKED BY: D.L. Helms

SHEET NO.
3
 OF 3 SHEETS

FILE NO.
 cumberland.dwg



BLUEGRASS CELLULAR

APPROVAL SIGNATURES	
BLUEGRASS CELLULAR PROJECT SUPERVISOR:	_____
DATE:	_____
CITY REPRESENTATIVE:	_____
TITLE:	_____
DATE:	_____
PROPERTY OWNER/OWNERS:	_____
DATE:	_____
TOWER OWNER/OWNERS:	_____
DATE:	_____

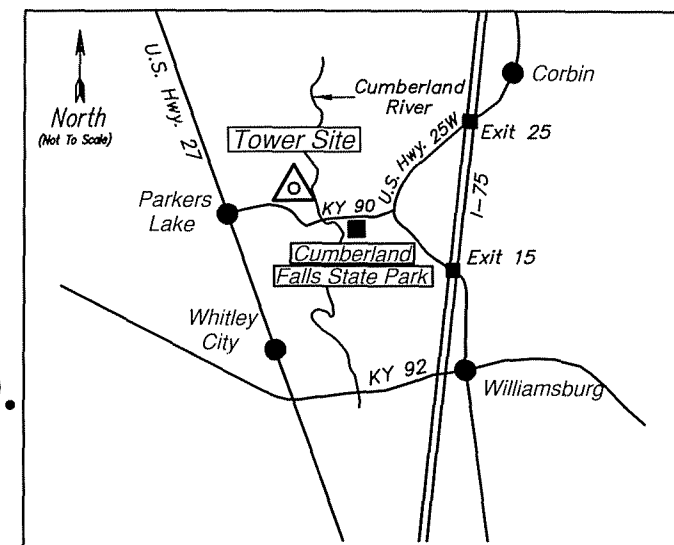
SITE NAME: CUMBERLAND FALLS

**911 ADDRESS: 774 HERMAN VANOVER RD.
PARKERS LAKE, KY. 42634**

COUNTY: McCREARY

TOWER LATITUDE & LONGITUDE

N 36* 50' 21.04" W 84* 20' 51.31"



**VICINITY MAP
NOT TO SCALE**

DIRECTIONS TO SITE

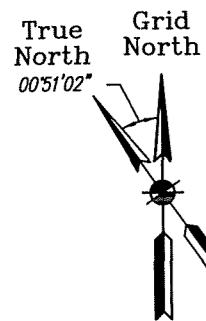
From Elizabethtown, Kentucky: travel south on I-65 for about 50 miles to Exit 43 and the Cumberland Parkway; travel east on the Cumberland Parkway to Somerset and U.S. Highway 27; turn right and travel south on U.S. Highway 27 for approximately 24 miles to Parkers Lake and Kentucky Highway 90; turn left onto Kentucky Highway 90 and travel east for 10.7 miles to Herman Vanover Road, which is about 1.3 miles before reaching the Cumberland River; turn left onto Herman Vanover Road and travel easterly 0.9 miles to the tower site at the end of the road and the former amusement attraction known as Six Gun City.

SHEET INDEX		
SHEET NO.	DESCRIPTION	REVISION
TITLE SHEET	TITLE SHEET	
SURVEY	SURVEY	
A-1	SITE PLAN	
A-2	FENCE DETAILS	
ANTENNA DETAILS 1	ANT. SPECS/TOWER ELEV.	
ANTENNA DETAILS 2	ANTENNA DETAILS 2	
E-1	SITE PLAN - ELECTRICAL	
E-2	ELECTRICAL DETAILS	
LYNCOLE	LYNCOLE GROUNDING	
E-3	ELEC. PLAN - GROUNDING	
E-4	GROUNDING DETAILS	
S-1	FOUNDATION DETAILS	
GENERATOR DETAIL	GENERATOR DETAIL	
GENERAL NOTES	GENERAL NOTES	

SITE DATA

PROPERTY OWNER:	CONNIE CLIPPERT 124 EAST PERRY ST. (812) 621-1819
TOWER OWNER:	BLUEGRASS CELLULAR (270) 769-0339
POWER COMPANY:	SOUTH KY. RECC (606) 678-4121
TELEPHONE COMPANY:	HIGHLAND TELEPHONE COOP (606) 376-5311
BLUEGRASS PROJECT SUPERVISOR:	JEFF BREWER (270) 734-3436
	ROBIN BECKER (502) 231-3656 OFFICE/FAX

Site: Cumberland Falls Lease Boundary and Topographic Survey McCreary County, Kentucky



Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on August 14, 2008 using the National Geodetic Survey monument "FBN FRYE" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information

Designation: Cumberland Falls
Site ID#: None
Horizontal Datum: NAD 1983 (2007)
Latitude: 36°50'21.04" North
Longitude: 84°20'51.31" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,109.5 feet (338.18 meters)
State Plane Coordinates:
Northing: 1,827,633.11 feet (557,063.686 meters)
Easting: 2,050,805.58 feet (625,086.791 meters)

Owner Information

Landowner: Connie Clippert
Address: 124 East Perry Street
Versailles, Indiana 47042
Contact Person: Connie Clippert
Phone: 812-621-1819
PVA Map No.: 183-00-00-003.01

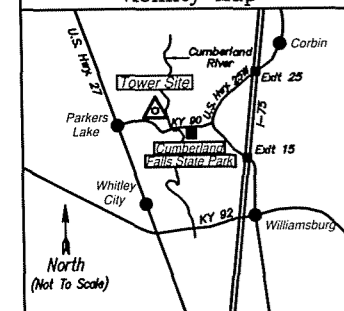
Project Bench Mark

Northing: 1,827,616 feet (557,058 meters)
Easting: 2,050,768 feet (625,075 meters)
Elevation: 1,110.86 feet (338.591 meters)
Description: A railroad spike set in the north side of a 6" x 6" wood column at the northeast corner of the chair lift building. The benchmark is approximately 42 feet southwest of the center of the tower.

Flood Plain Statement

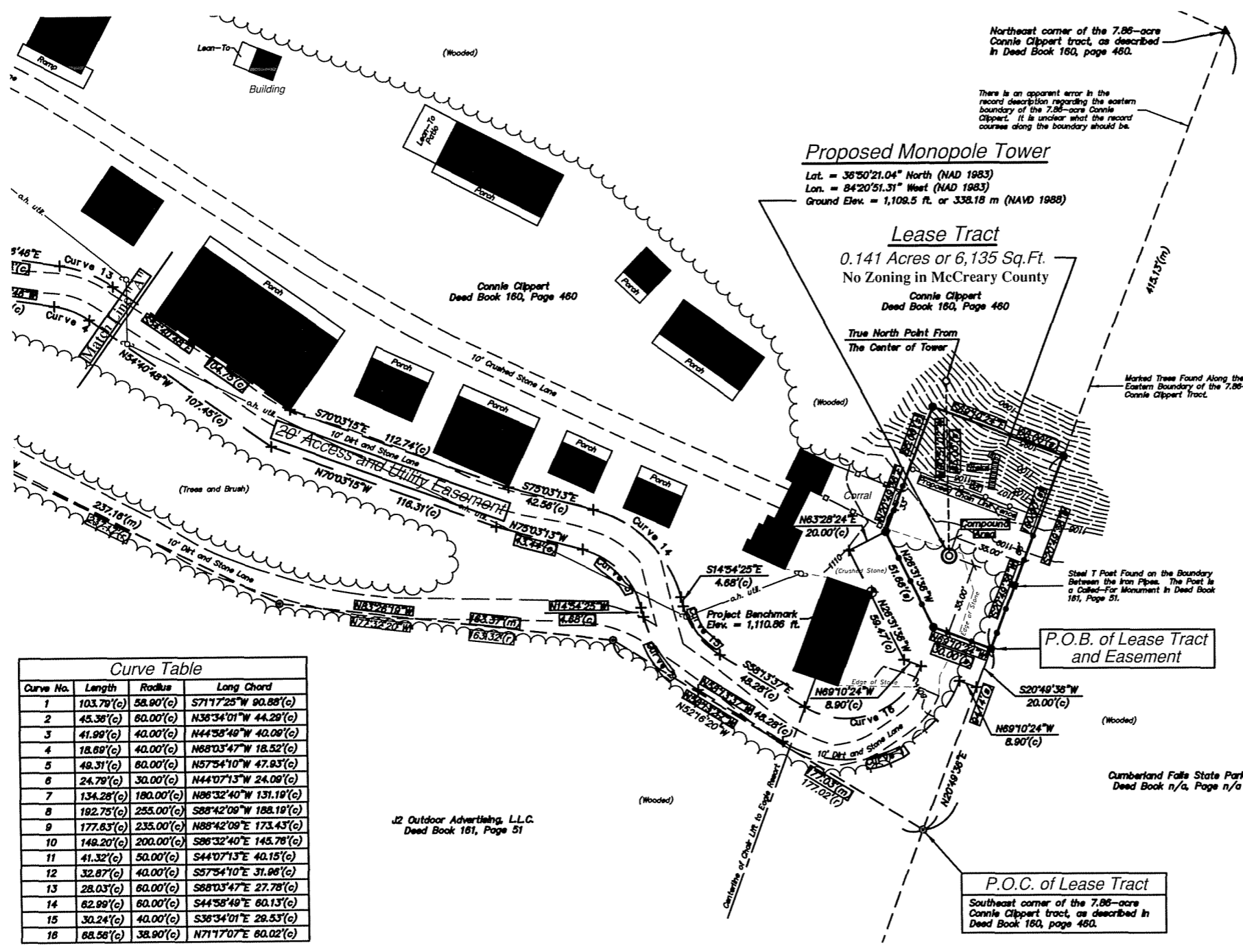
According to the Flood Hazard Boundary Map for the Unincorporated Areas of McCreary County, Kentucky, Community Panel No. 210343 0004 A, dated November 25, 1997, the subject site does not lie within a flood hazard area.

Vicinity Map



Directions to Site

From Elizabethtown, Kentucky: travel south on I-65 for about 50 miles to Exit 43 and the Cumberland Parkway; travel east on the Cumberland Parkway to Somerset and U.S. Highway 27; turn right and travel south on U.S. Highway 27 for approximately 24 miles to Parkers Lake and Kentucky Highway 90; turn left onto Kentucky Highway 90 and travel east for 10.7 miles to Herman Vanover Road, which is about 1.3 miles before reaching the Cumberland River; turn left onto Herman Vanover Road and travel easterly 0.9 miles to the tower site at the end of the road and the former amusement attraction known as Six Gun City.



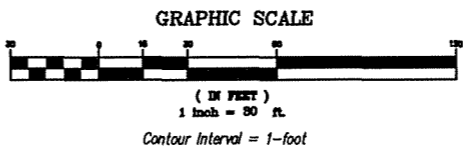
Curve No.	Length	Radius	Long Chord
1	103.79'(c)	58.90'(c)	S71°17'25"W 90.85'(c)
2	45.36'(c)	80.00'(c)	N36°34'01"W 44.29'(c)
3	41.99'(c)	40.00'(c)	N44°58'49"W 40.00'(c)
4	18.69'(c)	40.00'(c)	N68°03'47"W 18.52'(c)
5	48.31'(c)	80.00'(c)	N57°54'10"W 47.93'(c)
6	24.79'(c)	30.00'(c)	N44°07'13"W 24.00'(c)
7	134.28'(c)	180.00'(c)	N86°32'40"W 131.19'(c)
8	182.75'(c)	255.00'(c)	S88°42'09"W 188.19'(c)
9	177.63'(c)	235.00'(c)	N88°42'09"E 173.43'(c)
10	149.20'(c)	200.00'(c)	S86°32'40"E 145.78'(c)
11	41.32'(c)	50.00'(c)	S44°07'13"E 40.15'(c)
12	32.87'(c)	40.00'(c)	S57°54'10"E 31.98'(c)
13	28.03'(c)	80.00'(c)	S68°03'47"E 27.78'(c)
14	62.99'(c)	60.00'(c)	S44°58'49"E 60.13'(c)
15	30.24'(c)	40.00'(c)	S36°34'01"E 29.53'(c)
16	68.58'(c)	38.90'(c)	N71°17'07"E 60.02'(c)

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 plat 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 plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Mr. Tony Jones, Deputy County Judge Executive of McCreary 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 606-376-2413 for confirmation.
- The proposed location of the Cumberland Falls 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
- Steel "T" Post Found Exposed 48"
- ⊙ 3/4" Iron Pipe Found Exposed 8" With A Survey Cap Inscribed "KEN-2027 TENN-920"
- ▲ 3/4" Iron Pipe Found Exposed 4" With A 14" White Oak Witness
- × Calculated Position - No Monument Found or Set
- Subject Boundaries
- - - Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- ⊕ Utility Pole
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set



Lease Boundary and Easement Description

A tract of land that is located at the east end of Herman Vanover Road, 0.9 miles easterly of the intersection of said road with Kentucky Highway 90, near Cumberland Falls in McCreary County, Kentucky; said tract being described as follows:

COMMENCING AT a 1/2-inch iron pipe found exposed 8 inches with a survey cap inscribed "KEN-2027 TENN-920" which monuments the southeast corner of the 7.86-acre Connie Clippert tract, as described in Deed Book 160, page 460 in the office of the County Clerk of McCreary County, Kentucky; thence, along the eastern boundary of said Clippert tract, North 20 degrees 49 minutes 36 seconds East 94.14 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence North 69 degrees 10 minutes 24 seconds West 30.00 feet to a rebar set flush; thence North 26 degrees 31 minutes 36 seconds West 51.66 feet to a rebar set flush; thence North 20 degrees 49 minutes 36 seconds East 65.00 feet to a rebar set flush; thence South 69 degrees 10 minutes 24 seconds East 68.00 feet to a rebar set flush on the eastern boundary of the aforesaid Clippert tract; thence South 20 degrees 49 minutes 36 seconds West 100.00 feet to the point of beginning and containing 0.141 acres (6,135 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.141-acre lease tract to the east and the publicly maintained portion of Herman Vanover Road; 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" (referred to as rebar in the remainder of this description) at the south most corner of the above-described 0.141-acre lease tract; thence South 20 degrees 49 minutes 36 seconds West 20.00 feet; thence North 69 degrees 10 minutes 24 seconds West 8.90 feet; thence Southwesterly 103.79 feet along an arc to the right and having a radius of 58.90 feet and subtended by a long chord having a bearing of South 71 degrees 17 minutes 25 seconds West and a length of 90.85 feet; thence North 58 degrees 13 minutes 37 seconds West 48.28 feet; thence Northwesterly 43.36 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 36 degrees 34 minutes 01 second West and a length of 44.29 feet; thence North 14 degrees 54 minutes 25 seconds West 4.68 feet; thence Northwesterly 41.99 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 44 degrees 58 minutes 49 seconds West and a length of 40.09 feet; thence North 75 degrees 03 minutes 13 seconds West 43.44 feet; thence North 70 degrees 03 minutes 15 seconds West and 116.31 feet; thence North 54 degrees 40 minutes 49 seconds West 107.45 feet; thence Northwesterly 18.69 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 68 degrees 03 minutes 47 seconds West and a length of 18.52 feet; thence North 81 degrees 26 minutes 46 seconds West 44.16 feet; thence Northwesterly 48.31 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 57 degrees 54 minutes 10 seconds West and a length of 47.93 feet; thence North 34 degrees 21 minutes 33 seconds West 66.46 feet; thence North 20 degrees 26 minutes 44 seconds West 56.08 feet; thence Northwesterly 24.79 feet along an arc to the left and having a radius of 30.00 feet and subtended by a long chord having a bearing of North 44 degrees 07 minutes 13 seconds West and a length of 24.09 feet; thence North 67 degrees 47 minutes 42 seconds West 167.33 feet; thence North 65 degrees 10 minutes 25 seconds West 141.43 feet; thence Westery 134.28 feet along an arc to the left and having a radius of 180.00 feet and subtended by a long chord having a bearing of North 86 degrees 03 minutes 40 seconds West and a length of 131.19 feet; thence South 72 degrees 05 minutes 05 seconds West 93.94 feet; thence South 74 degrees 38 minutes 16 seconds West 152.35 feet; thence South 63 degrees 26 minutes 38 seconds West 367.61 feet; thence South 67 degrees 02 minutes 53 seconds West 190.01 feet; thence Westery 182.75 feet along an arc to the right and having a radius of 255.00 feet and subtended by a long chord having a bearing of South 88 degrees 42 minutes 09 seconds West and a length of 188.19 feet; thence North 69 degrees 38 minutes 35 seconds West 80.30 feet to east and (end of maintenance) of Herman Vanover Road (apparent 30-foot total right of way width); thence, along the east and of said road, North 20 degrees 21 minutes 25 seconds East 20.00 feet; thence South 69 degrees 42 minutes 09 seconds East 80.30 feet; thence Easterly 177.63 feet along an arc to the left and having a radius of 235.00 feet and subtended by a long chord having a bearing of North 88 degrees 09 seconds East and a length of 173.43 feet; thence North 67 degrees 02 minutes 53 seconds East 188.38 feet; thence North 63 degrees 26 minutes 38 seconds East 368.95 feet; thence North 74 degrees 38 minutes 16 seconds East 153.86 feet; thence North 72 degrees 05 minutes 05 seconds East 83.50 feet; thence Easterly 148.20 feet along an arc to the right and having a radius of 200.00 feet and subtended by a long chord having a bearing of South 86 degrees 32 minutes 40 seconds East and a length of 145.78 feet; thence South 65 degrees 10 minutes 25 seconds East 140.98 feet; thence South 67 degrees 47 minutes 42 seconds East 166.87 feet; thence Southwesterly 41.32 feet along an arc to the right and having a radius of 50.00 feet and subtended by a long chord having a bearing of South 44 degrees 07 minutes 13 seconds East and a length of 40.15 feet; thence South 20 degrees 26 minutes 44 seconds East 53.64 feet; thence South 34 degrees 21 minutes 33 seconds East 64.02 feet; thence Southwesterly 32.87 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 57 degrees 54 minutes 10 seconds East and a length of 31.98 feet; thence South 81 degrees 26 minutes 46 seconds East 44.16 feet; thence Southwesterly 28.03 feet along an arc to the right and having a radius of 80.00 feet and subtended by a long chord having a bearing of South 68 degrees 03 minutes 47 seconds East and a length of 27.78 feet; thence South 54 degrees 40 minutes 49 seconds East 104.75 feet; thence South 70 degrees 03 minutes 15 seconds East 112.74 feet; thence South 75 degrees 03 minutes 13 seconds East 42.56 feet; thence Southwesterly 62.99 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 44 degrees 58 minutes 49 seconds East and a length of 60.13 feet; thence South 14 degrees 54 minutes 25 seconds East 4.68 feet; thence Southwesterly 30.24 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 36 degrees 34 minutes 01 second East and a length of 29.53 feet; thence South 58 degrees 13 minutes 37 seconds East 48.28 feet; thence Northwesterly 68.58 feet along an arc to the left and having a radius of 38.90 feet and subtended by a long chord having a bearing of North 71 degrees 17 minutes 07 seconds East and a length of 60.02 feet; thence North 69 degrees 10 minutes 24 seconds West 8.90 feet; thence North 26 degrees 31 minutes 36 seconds West 51.66 feet; thence North 63 degrees 26 minutes 24 seconds East 20.00 feet to a rebar set flush at the west most corner of the above-described 0.141-acre lease tract; thence South 26 degrees 31 minutes 36 seconds East 51.66 feet to a rebar set flush at a corner in the southwestern boundary of the above-described 0.141-acre lease tract; thence South 69 degrees 10 minutes 24 seconds East 30.00 feet to the point of beginning.

The bearing system of this description is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on August 14, 2008 using the National Geodetic Survey monument "FBN FRYE". This description is based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on August 26, 2008. This survey is hereby referenced and made a part of this description.

SOURCE OF TITLE: The 0.141-acre lease tract being a portion of the land described in deed to Connie L. Clippert on April 24, 2002 in Deed Book 160, page 460 in the office of the County Clerk of McCreary County, Kentucky. The access and utility easement being a portion of said Clippert tract and a portion of the land described in deed to Jimmy L. Vance and Donna B. Vance on February 8, 2007 in Deed Book 179, page 503 in said County Clerk's office.

Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on August 14, 2008 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was better than 1:23,900 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) 257-0950
Email: landmsr@msurvey.com
Project No. 08-05-0142

Lease Boundary Survey
774 Herman Vanover Road
Parkers Lake, Kentucky 42634

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE
Monopole	10/22/08

DATE	8-26-08
DRAWN BY	A. Whicker
CHECKED BY	D.L. Helms

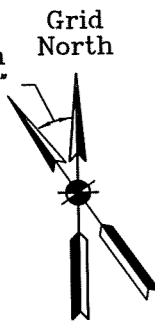
SHEET NO.
1
OF 3 SHEETS
FILE NO.
cumberland-rev.dwg

Site: Cumberland Falls

Lease Boundary and Topographic Survey

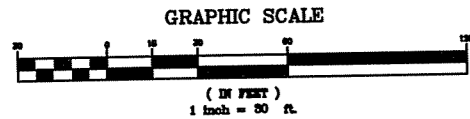
McCreary County, Kentucky

True North
00°51'02"



Legend

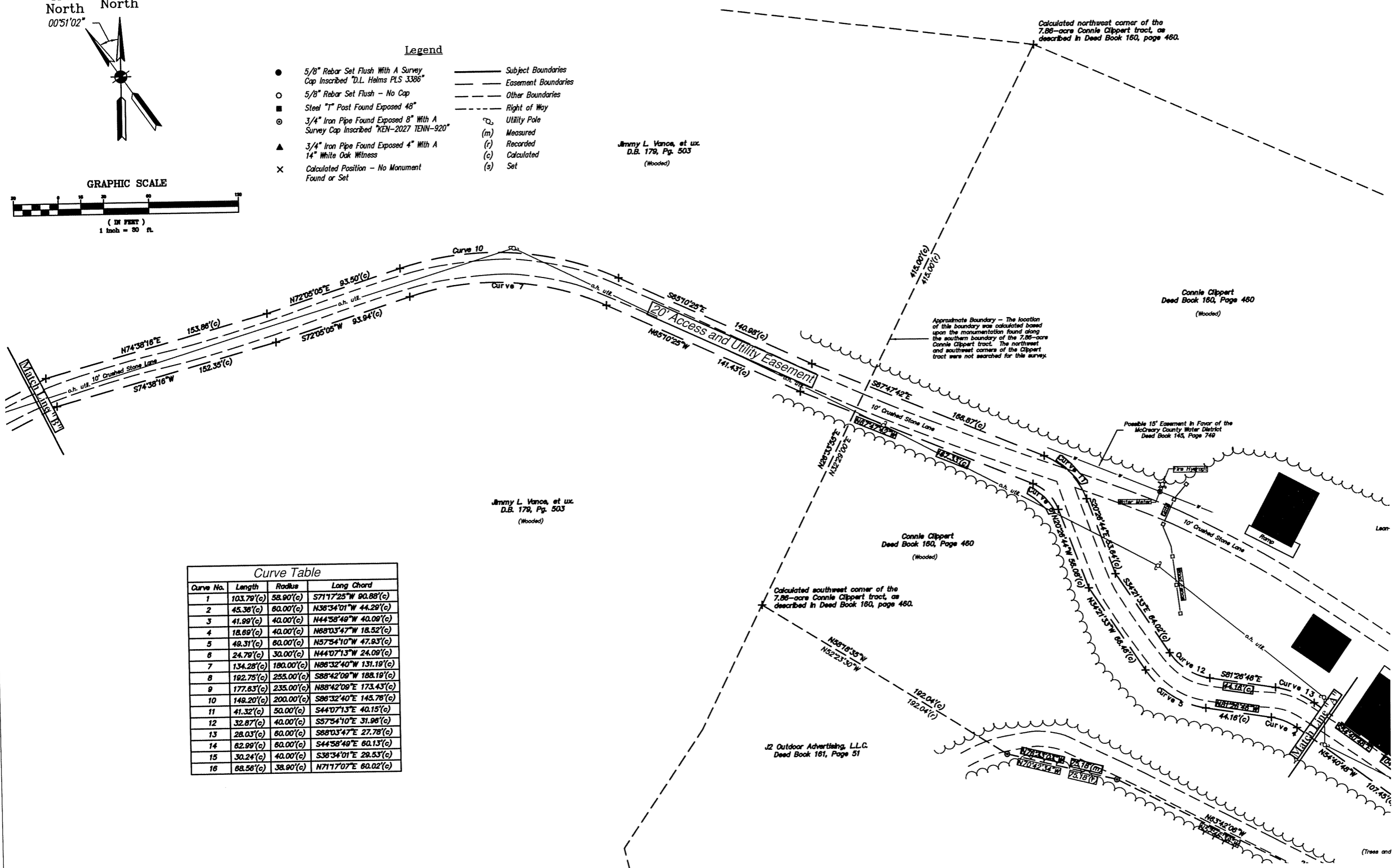
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 - - - Other Boundaries
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 - (m) Measured
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 - (c) Calculated
 - (s) Set



Jimmy L. Vance, et ux.
D.B. 179, Pg. 503
(Wooded)

Jimmy L. Vance, et ux.
D.B. 179, Pg. 503
(Wooded)

Curve No.	Length	Radius	Long Chord
1	103.79(c)	58.90(c)	S71°17'25"W 90.88(c)
2	45.38(c)	60.00(c)	N38°34'01"W 44.29(c)
3	41.99(c)	40.00(c)	N44°38'49"W 40.09(c)
4	18.69(c)	40.00(c)	N68°03'47"W 18.52(c)
5	49.31(c)	60.00(c)	N57°54'10"W 47.93(c)
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8	192.75(c)	255.00(c)	S88°42'09"W 188.19(c)
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12	32.87(c)	40.00(c)	S57°34'10"E 31.98(c)
13	28.03(c)	60.00(c)	S68°03'47"E 27.78(c)
14	62.99(c)	60.00(c)	S44°38'49"E 60.13(c)
15	30.24(c)	40.00(c)	S38°34'01"E 28.53(c)
16	68.56(c)	38.90(c)	N71°17'07"E 60.02(c)



Calculated northwest corner of the 7.86-acre Connie Clippert tract, as described in Deed Book 160, page 480.

Connie Clippert
Deed Book 160, Page 480
(Wooded)

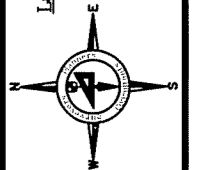
Approximate Boundary - The location of this boundary was calculated based upon the monumentation found along the southern boundary of the 7.86-acre Connie Clippert tract. The northwest and southwest corners of the Clippert tract were not searched for this survey.

Connie Clippert
Deed Book 160, Page 480
(Wooded)

Calculated southwest corner of the 7.86-acre Connie Clippert tract, as described in Deed Book 160, page 480.

J2 Outdoor Advertising, L.L.C.
Deed Book 161, Page 51

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-8850
Email: landmark@landmark.net
Project No. 08-05-0162



Lease Boundary Survey
774 Herman Vanover Road
Parkers Lake, Kentucky 42634

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 8-29-08
DRAWN BY: A. Walker
CHECKED BY: D.L. Helms

SHEET NO.
2
OF 3 SHEETS

FILE NO.
cumberland.dwg

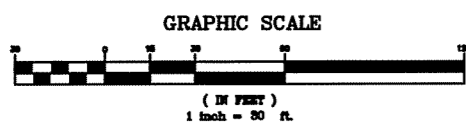
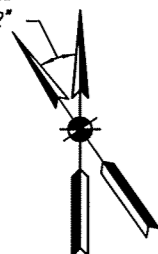
Site: Cumberland Falls

Lease Boundary and Topographic Survey

McCreary County, Kentucky

True North
00°51'02"

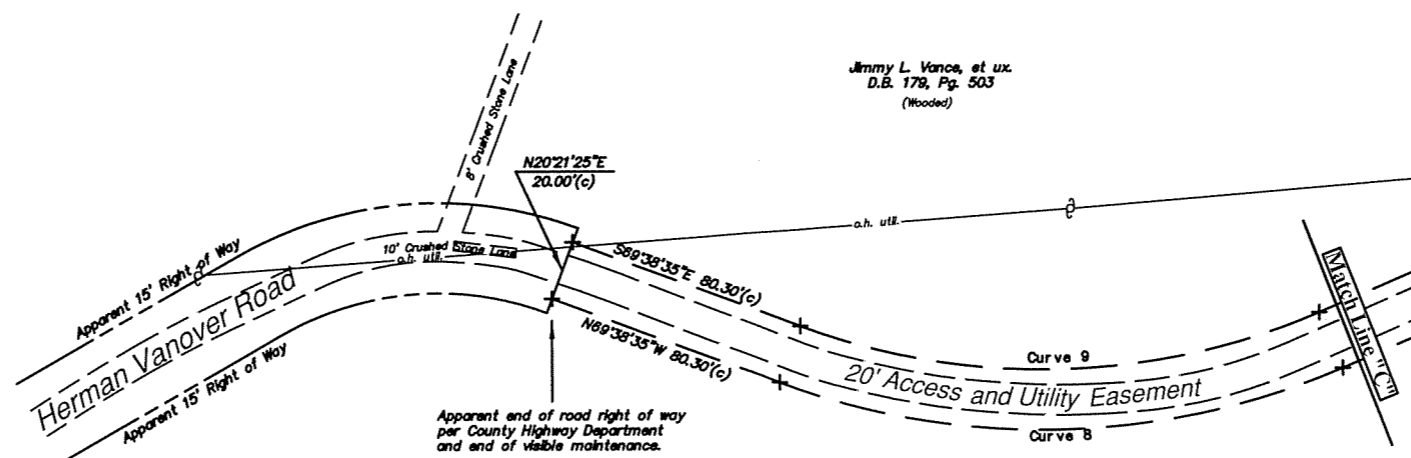
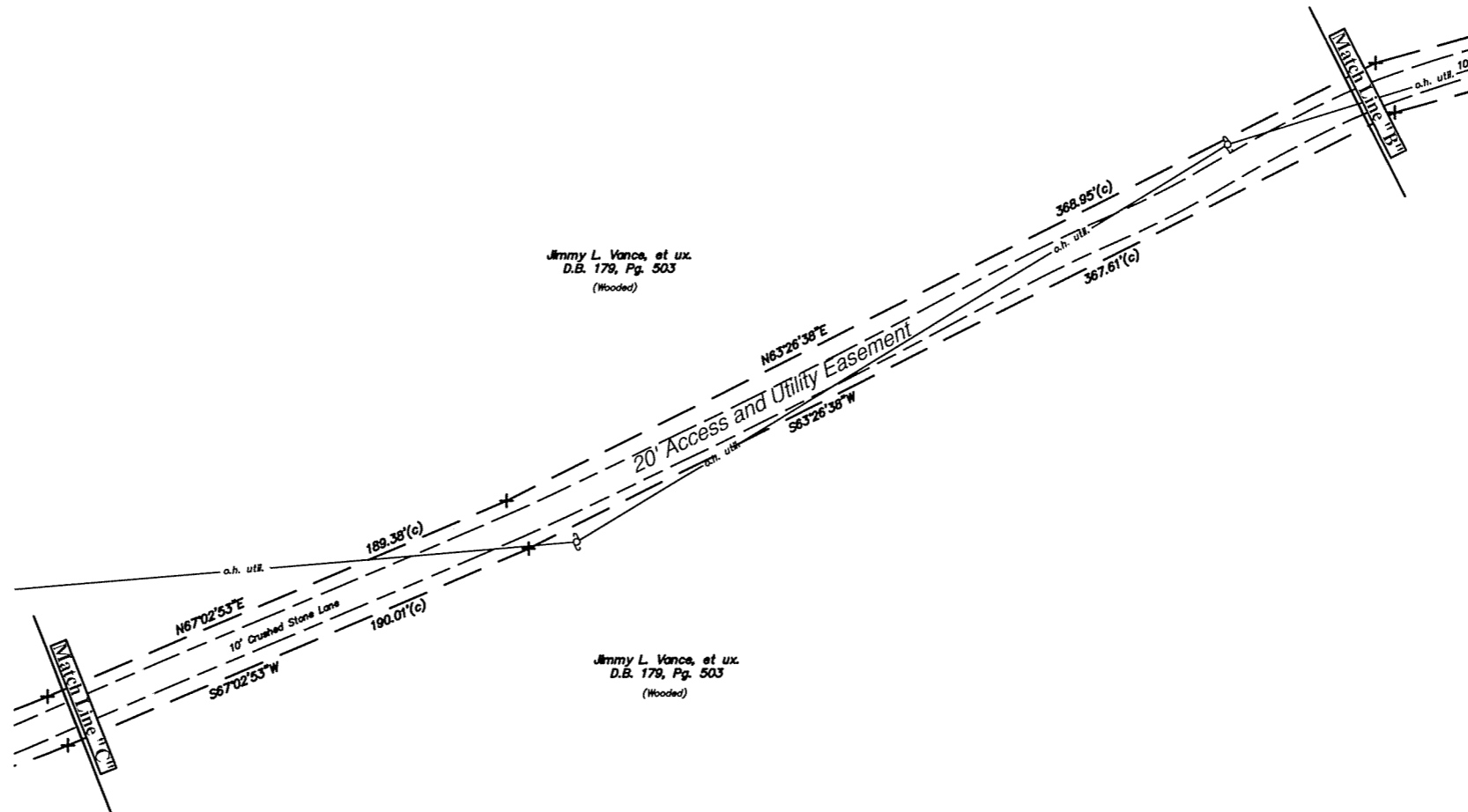
Grid North



Legend

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 - 5/8" Rebar Set Flush - No Cap
 - Steel "T" Post Found Exposed 48"
 - ⊙ 3/4" Iron Pipe Found Exposed 8" With A Survey Cap Inscribed "KEN-2027 TENN-920"
 - ▲ 3/4" Iron Pipe Found Exposed 4" With A 14" White Oak Witness
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Curve Table			
Curve No.	Length	Radius	Long Chord
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8	192.75(c)	255.00(c)	S88°42'09"W 188.19(c)
9	177.63(c)	235.00(c)	N88°42'09"E 173.43(c)
10	149.20(c)	200.00(c)	S88°32'40"E 145.76(c)
11	41.32(c)	50.00(c)	S44°07'13"E 40.15(c)
12	32.87(c)	40.00(c)	S57°54'10"E 31.86(c)
13	28.03(c)	60.00(c)	S68°03'47"E 27.78(c)
14	62.89(c)	60.00(c)	S44°58'49"E 60.13(c)
15	30.24(c)	40.00(c)	S36°34'01"E 28.53(c)
16	68.56(c)	38.90(c)	N71°17'07"E 60.02(c)



Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0850
Email: landmark@landmarksurvey.com
Project No. 08-08-0112

Lease Boundary Survey
774 Herman Vanover Road
Parkers Lake, Kentucky 42634

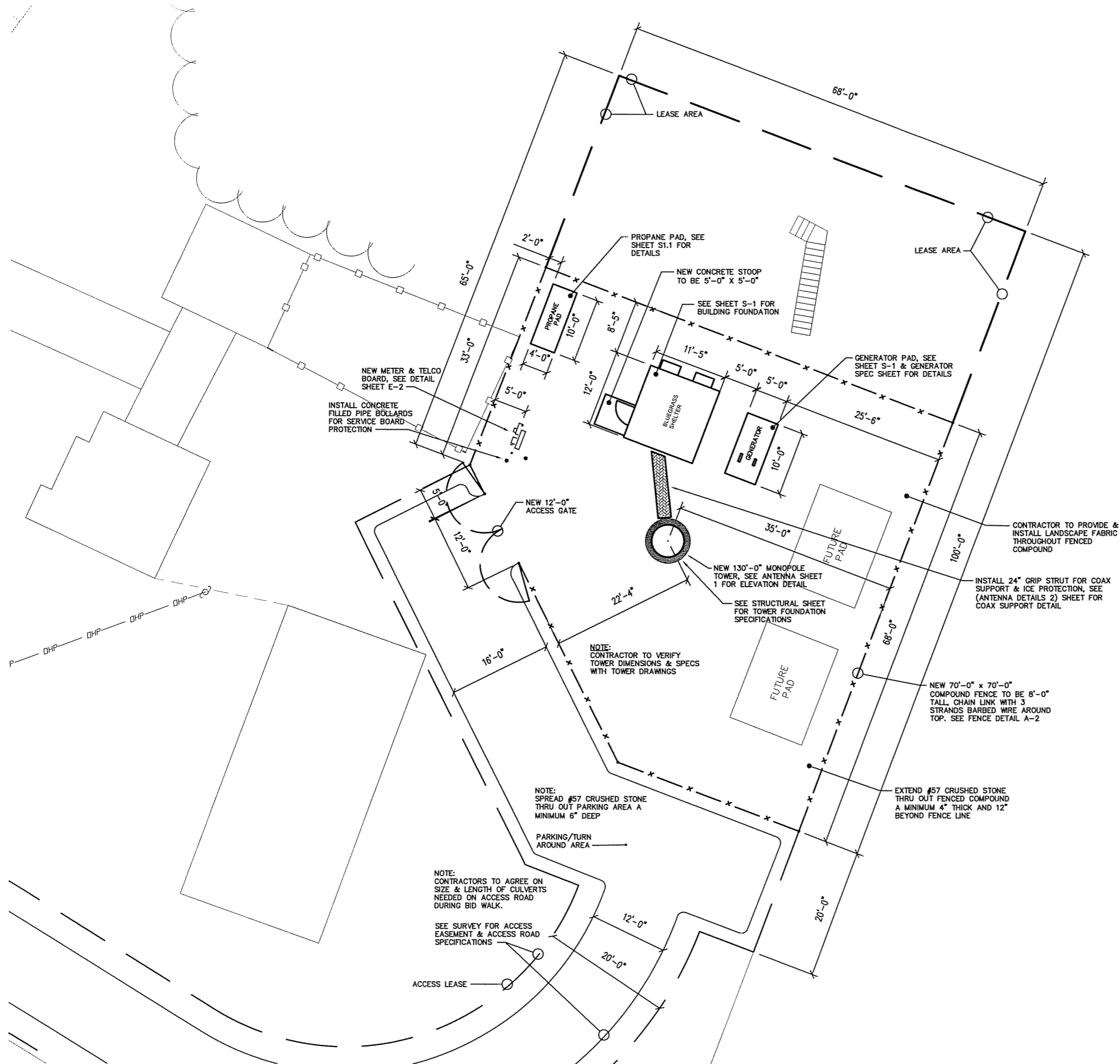
Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 8-26-08
DRAWN BY: A. Whittier
CHECKED BY: D.L. Helms

SHEET NO.
3
OF 3 SHEETS

FILE NO.
cumberland.dwg

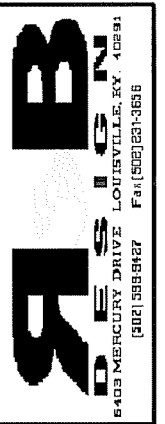


GENERAL NOTES:

- 1) EQUIPMENT PICK-UP AND DELIVERY TO SITE FROM BLUEGRASS CELLULAR STAGING FACILITY TO BE THE CONTRACTORS RESPONSIBILITY, INCLUDING CRANE SET, AND ALL COST INCURRED.
- 2) FOR, BUILDING AND ALL CONCRETE PAD DETAILS REFER TO STRUCTURALS AND SHEET S1.1
- 3) ALL CONCRETE TO HAVE SPECIFIED COATED SEALANT PER STRUCTURAL RECOMMENDATIONS.
- 4) ANY DAMAGE DUE TO CONSTRUCTION, TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION. (SUBJECT TO BLUEGRASS CELLULAR'S APPROVAL).
- 5) ANY DAMAGE OF NATURAL SURROUNDINGS, INCLUDING BUT NOT LIMITED TO, GRASS, TREES, LANDSCAPING, ETC.. TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT BLUEGRASS CELLULAR'S APPROVAL.
- 6) ROADWAYS TO BE GRADED SMOOTH AND EVEN, REMOVING ALL POTHOLES. ROADS TO HAVE PROPER DRAINAGE AND RUNOFF PER BLUEGRASS CELLULAR'S APPROVAL.
- 7) ANY RELOCATION OF EXISTING UTILITIES TO BE DONE IN ACCORDANCE WITH LOCAL CODES AND RECOMMENDATIONS, CONSULTING ALL UTILITY COMPANIES INVOLVED FOR APPROVAL AND SPECIFICATIONS REQUIRED.
- 8) FOR GRADING DETAILS, SEE GENERAL NOTESHEET
- 9) CONTRACTOR TO FIELD VERIFY ALL TOWER DIMENSIONS WITH TOWER MANUFACTURER PRIOR TO JOB BIDDING OR START OF ANY CONSTRUCTION
- 10) CONTRACTOR RESPONSIBLE FOR APPLYING FOR SERVICE TO SITE AND PAYING ANY FEES REQUIRED FOR PERMITS, HOOKUP, ETC..

SITE PLAN

SCALE: 1/8" = 1'-0"

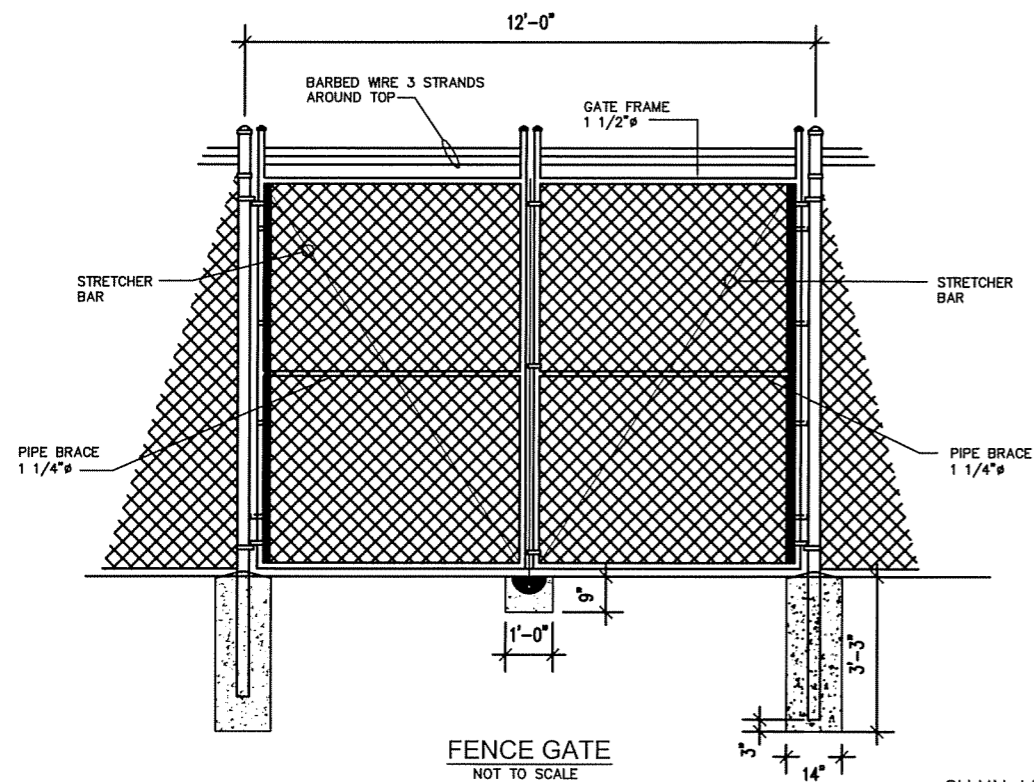


NO.	DATE	REVISION

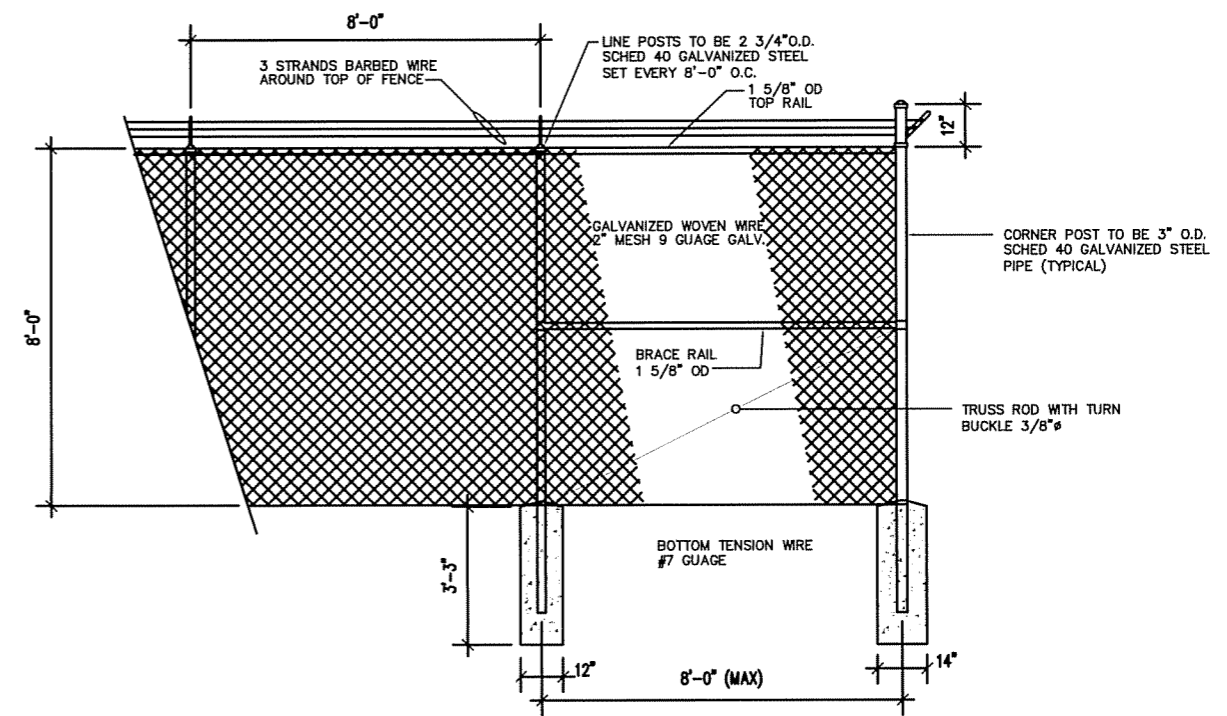
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
 774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

DRAWN BY: R. BECKER
 ISSUE DATE: 9-10-08
 SCALE: LISTED

SHEET NUMBER
 A-1



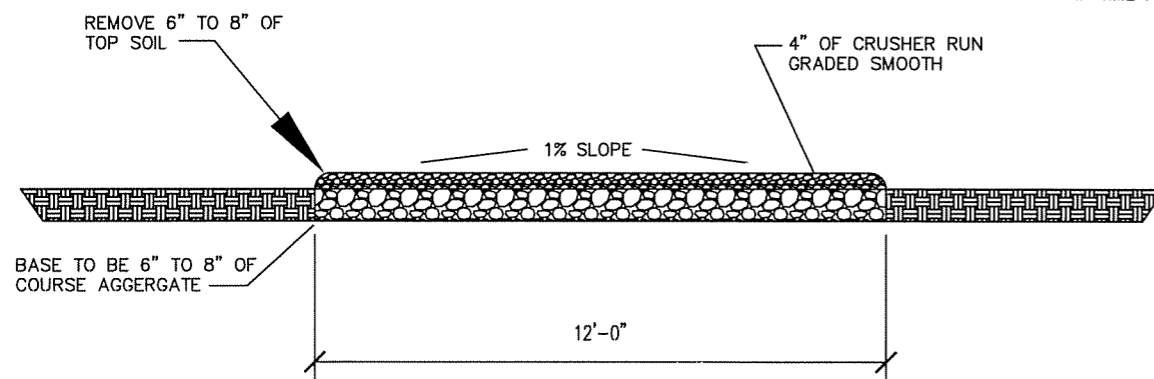
FENCE GATE
NOT TO SCALE



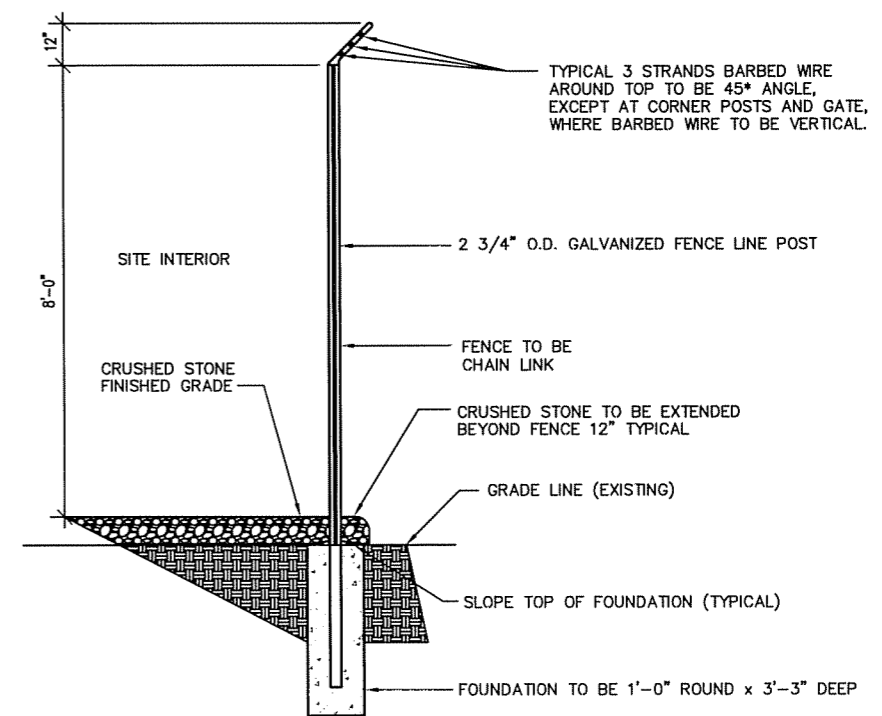
FENCE DETAIL END POLES
NOT TO SCALE

CHAIN LINK FENCING NOTES:

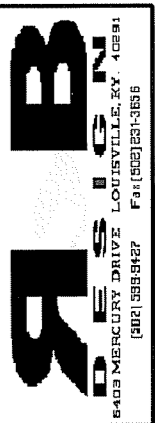
- FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- POSTS:** SHALL BE 2 3/4" O.D. SS 40 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
CUMBERLAND FALLS
774 HERMAN VANOVER RD., PARKERS LAKE, KY. 42634

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ISSUE DATE: 9-10-08
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.

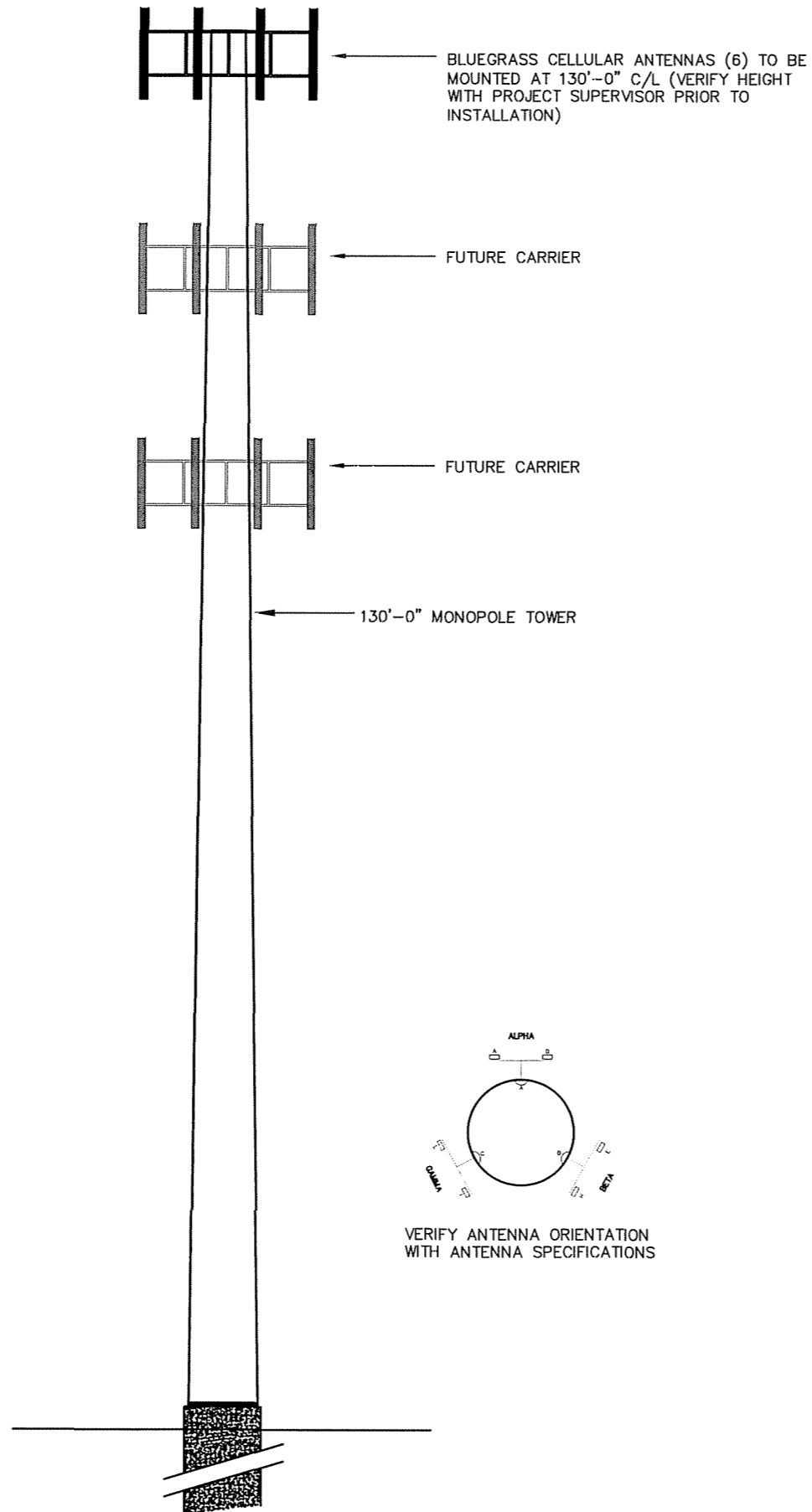
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

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



MONOPOLE TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

130'-0" MONOPOLE TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	59200	L=78.6 W=10.3 D=4.6	6	80*, 240*, 345*	130'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
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

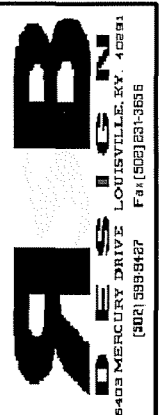
	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1					
DISH #2					

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

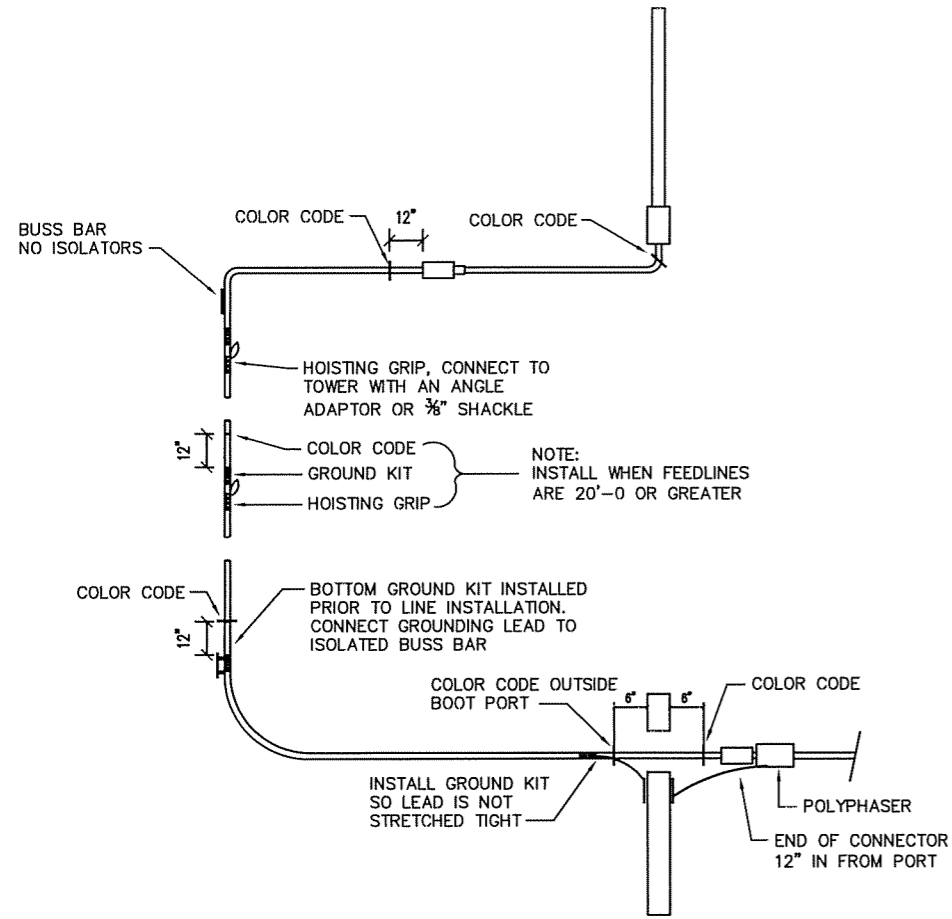
- * ANTENNAS TO HAVE A 1*E X,Y & Z
- * ANTENNA FREQUENCY 1975.00 - 1982.50



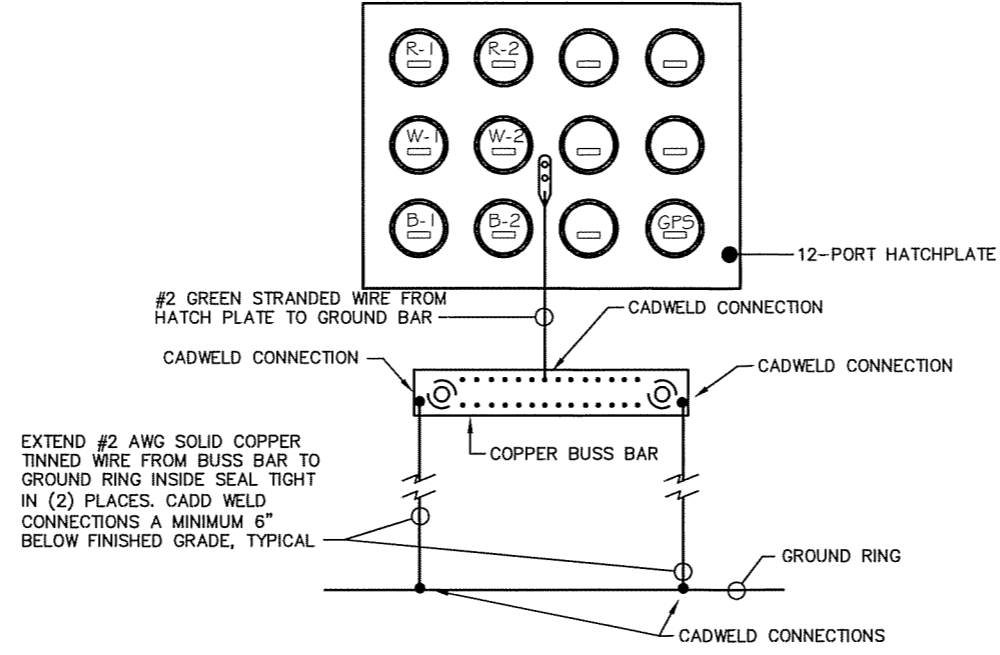
NO.	DATE	REVISION

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STANDARD CELLULAR SITE
CUMBERLAND FALLS
774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

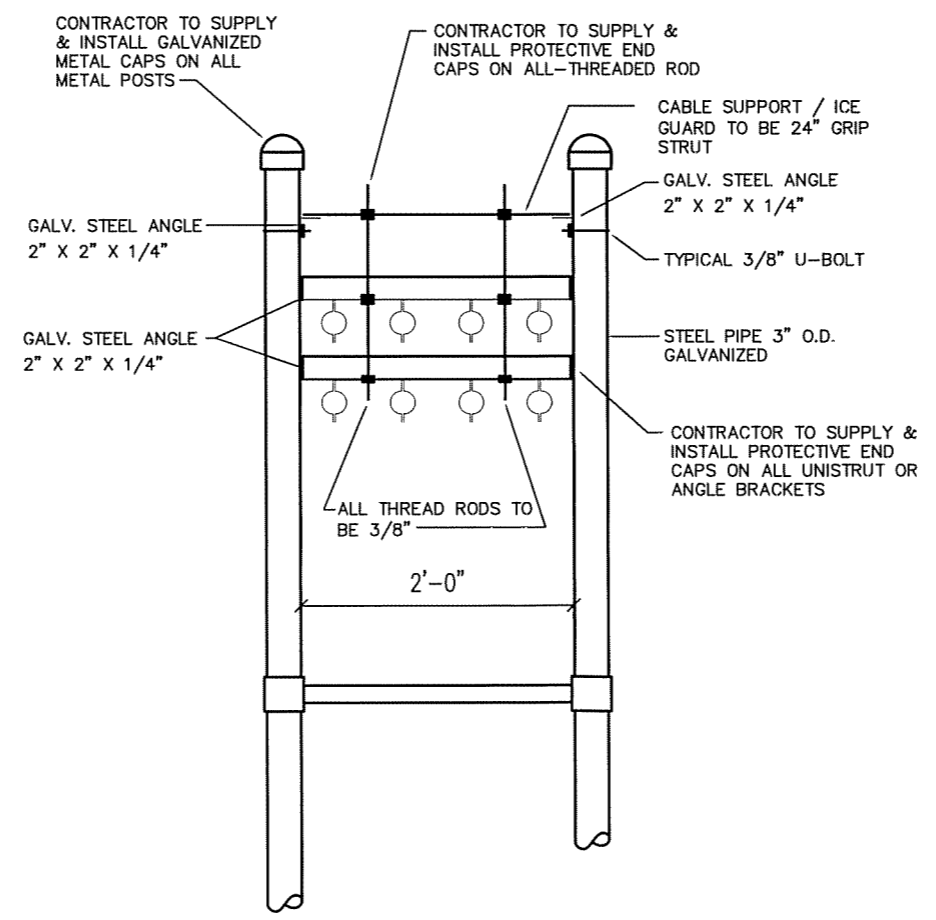
DRAWN BY: R. BECKER
ISSUE DATE: 9-10-08
SCALE: LISTED
SHEET NUMBER
ANTENNA DETAILS
1



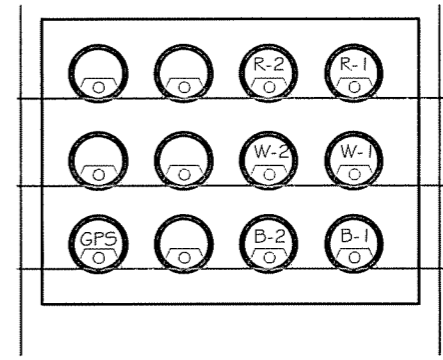
COLOR CODING DETAIL
NO SCALE



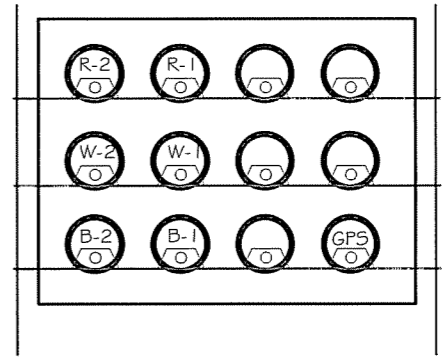
BOOT PORT GROUNDING DETAIL
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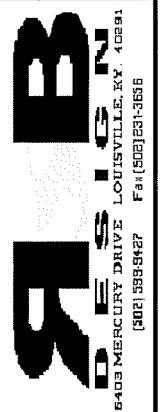
ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



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



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

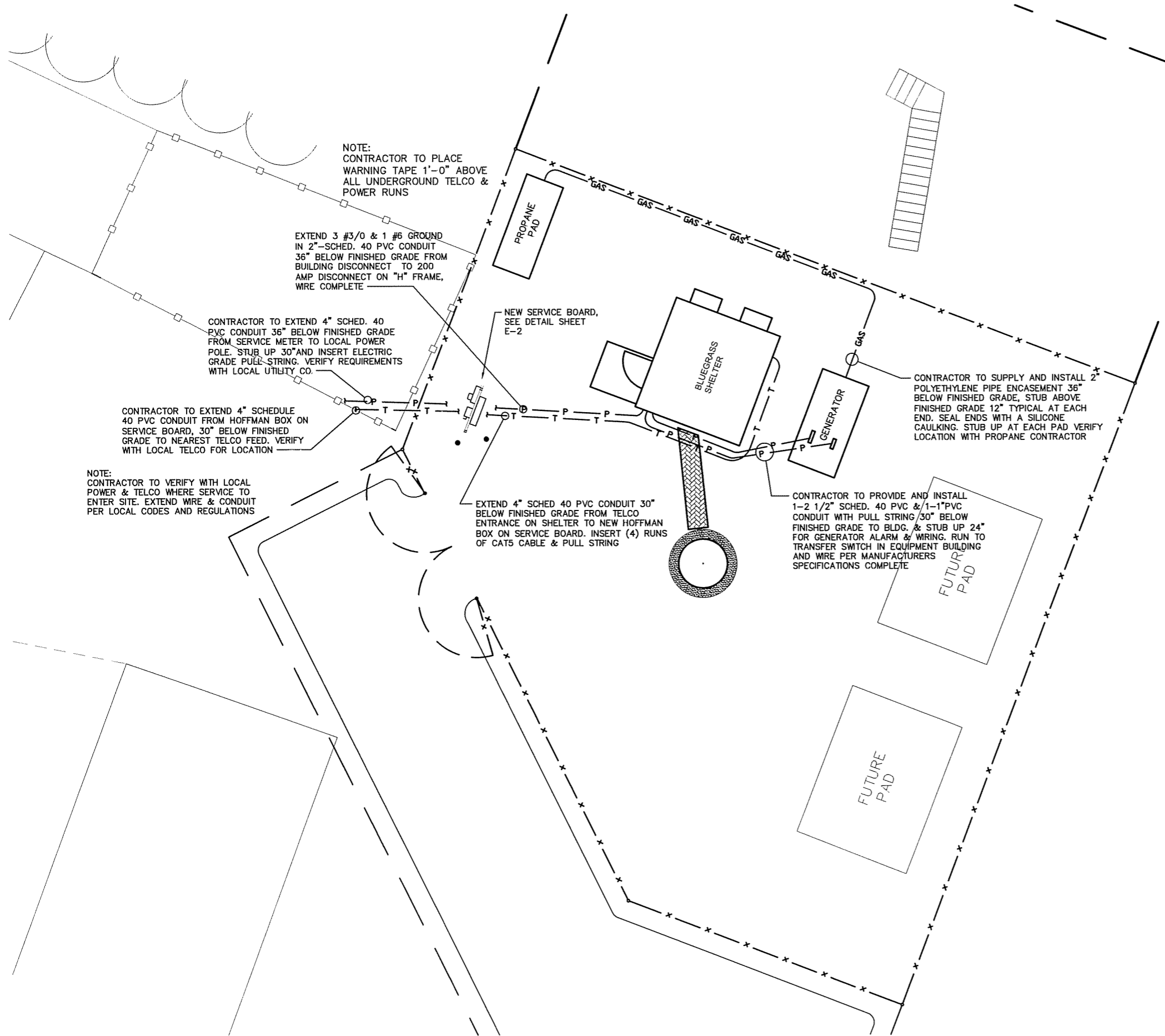


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BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

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SCALE: LISTED

SHEET NUMBER
ANTENNA DETAILS
2



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

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

CONTRACTOR TO EXTEND 4" SCHED. 40
PVC CONDUIT 36" BELOW FINISHED GRADE
FROM SERVICE METER TO LOCAL POWER
POLE. STUB UP 30" AND INSERT ELECTRIC
GRADE PULL STRING. VERIFY REQUIREMENTS
WITH LOCAL UTILITY CO.

CONTRACTOR TO EXTEND 4" SCHEDULE
40 PVC CONDUIT FROM HOFFMAN BOX ON
SERVICE BOARD, 30" BELOW FINISHED
GRADE TO NEAREST TELCO FEED. VERIFY
WITH LOCAL TELCO FOR LOCATION

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

NEW SERVICE BOARD,
SEE DETAIL SHEET
E-2

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

CONTRACTOR TO PROVIDE AND INSTALL
1-2 1/2" SCHED. 40 PVC & 1-1" 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 ENCASEMENT 36"
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

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 GROUNDING 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. GROUNDING CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDING 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.

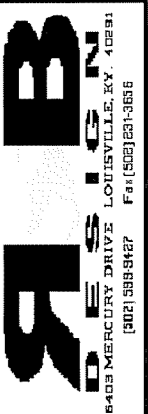
NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES
FOR ALL POWER AND TELCO RUNS UNDER GROUND.
TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS.

SYMBOLS LEGEND

	POWER
	GAS
	TELEPHONE
	FENCE
	SWITCH (DISCONNECT)
	METER PACK

SITE PLAN- ELECTRICAL

SCALE: 3/32" = 1'-0"

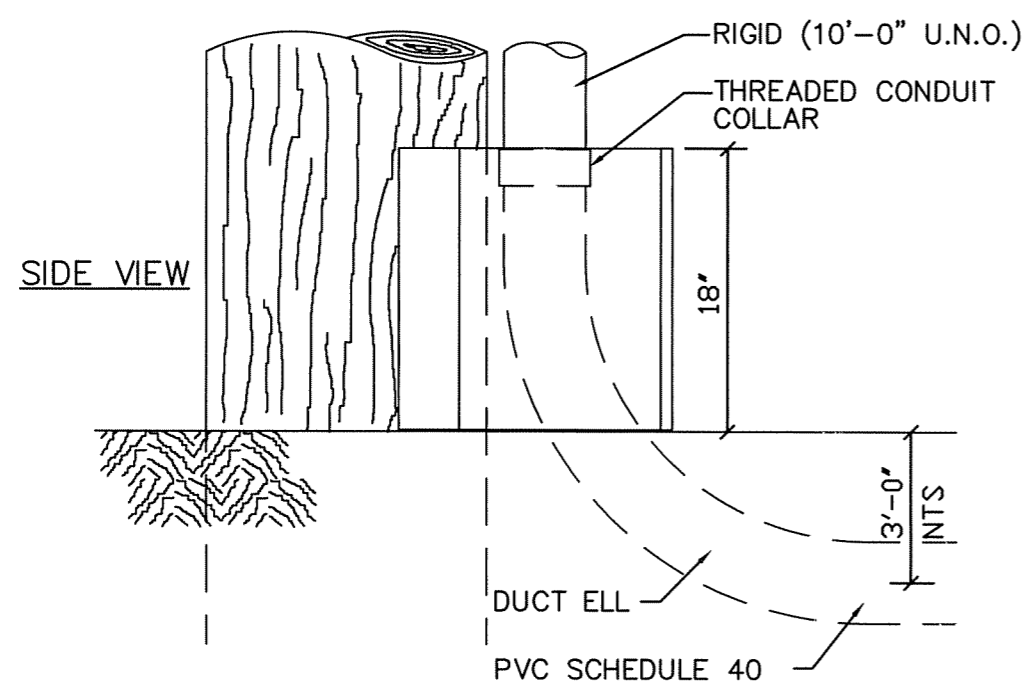
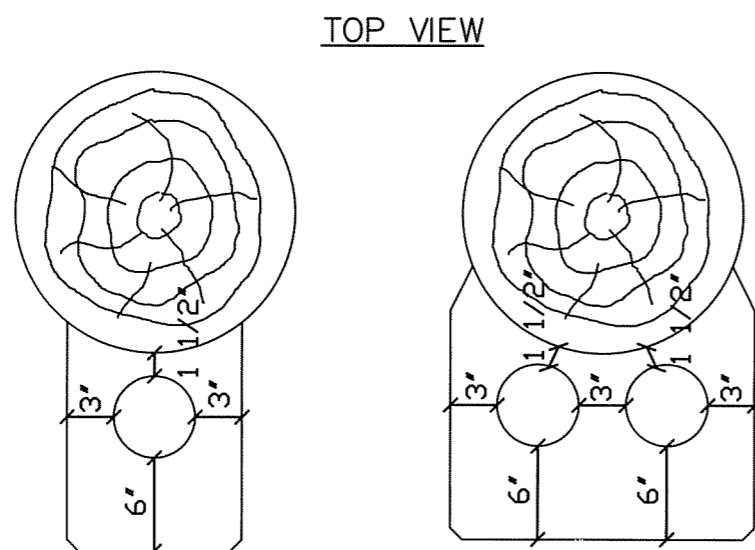


NO.	DATE	REVISION

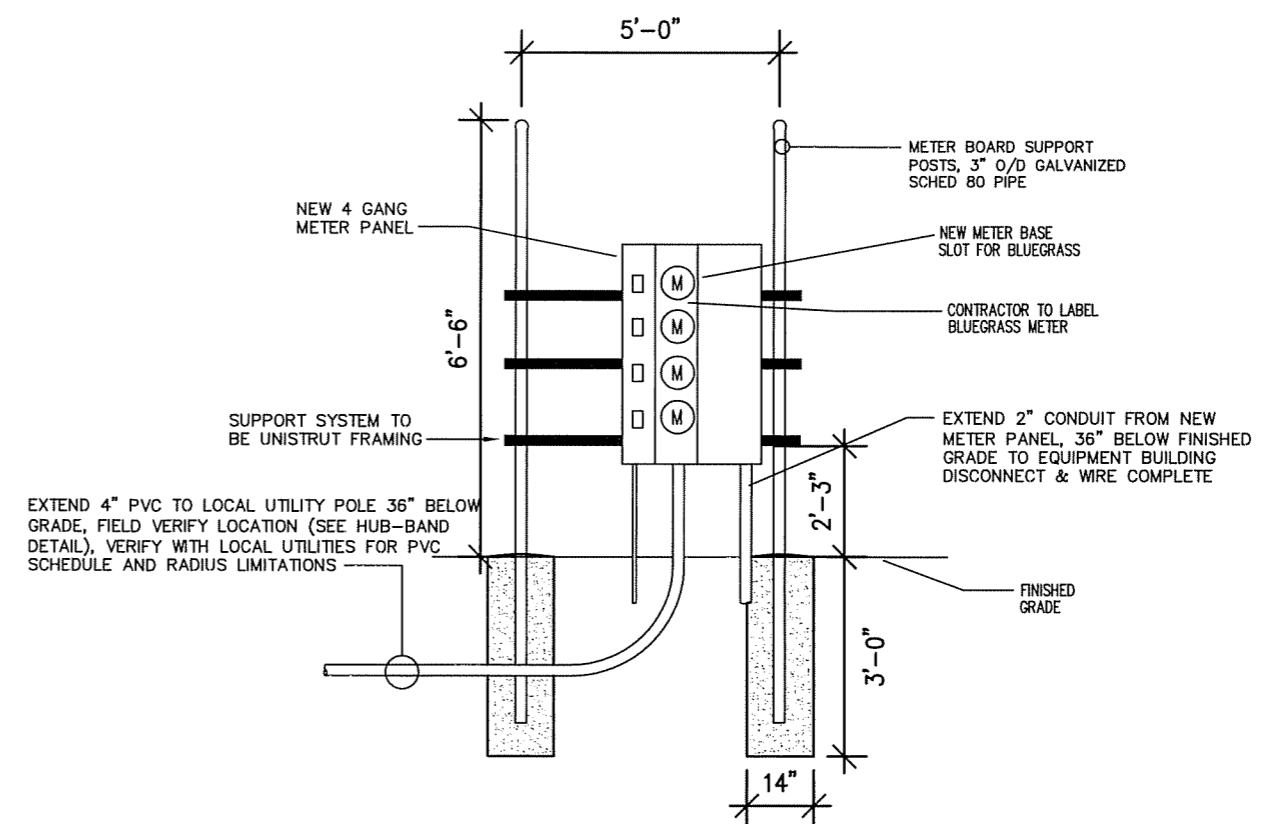
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

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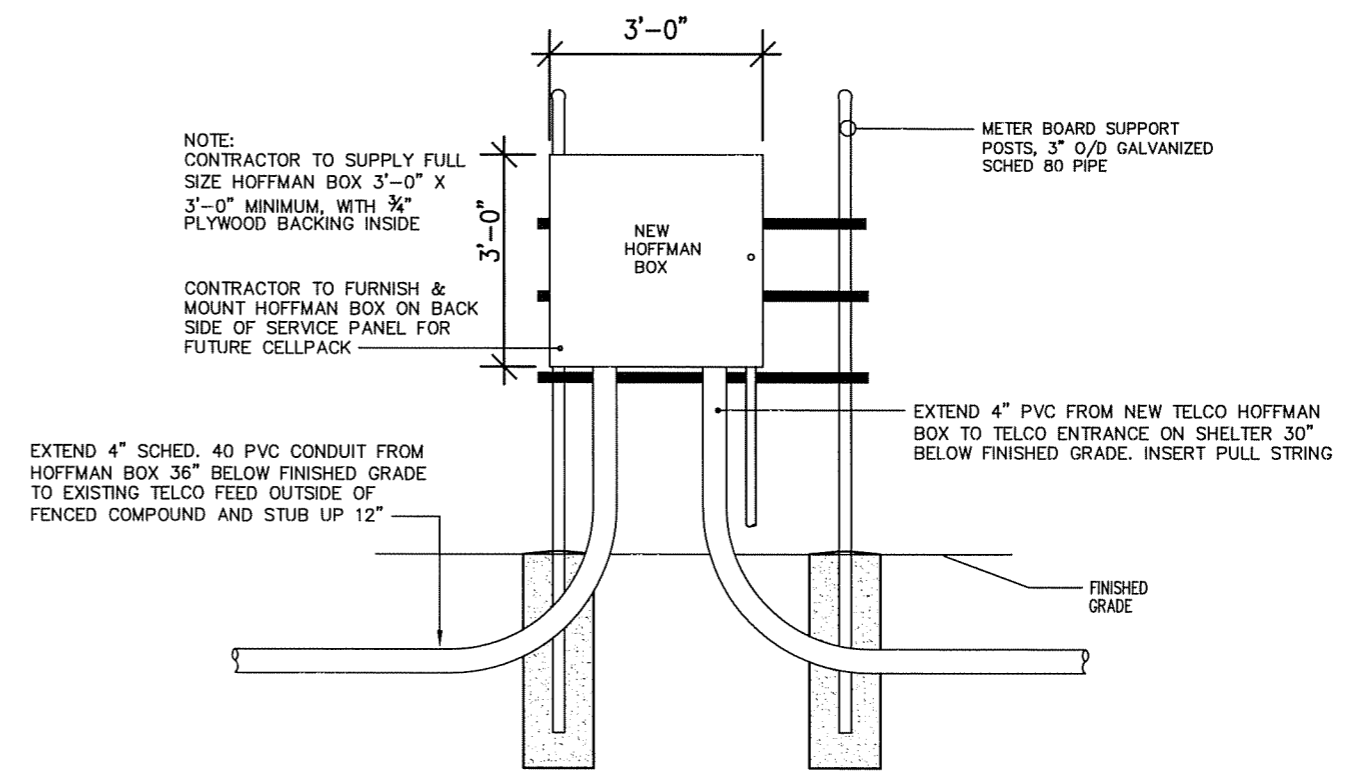
SHEET NUMBER
E-1



HUB-BAND DETAIL
 NO SCALE



SERVICE BOARD DETAIL
 NO SCALE



BACKBOARD DETAIL
 NO SCALE

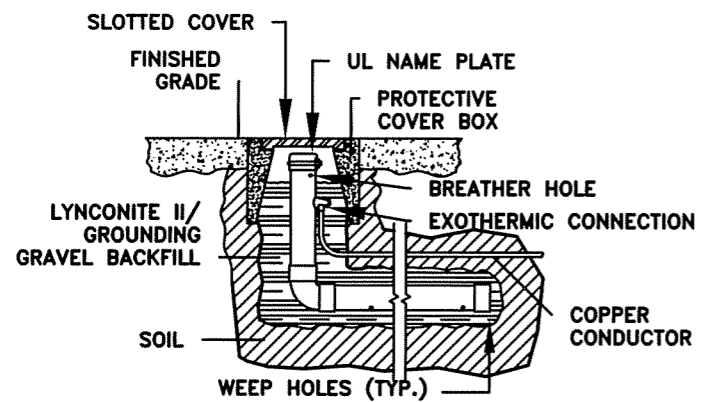
BLUEGRASS CELLULAR, INC.
 STANDARD CELLULAR SITE
CUMBERLAND FALLS
 774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

6403 MERCURY DRIVE LOUISVILLE, KY. 40291
 (502) 593-5427 Fax: (502) 593-3886

NO.	DATE	REVISION

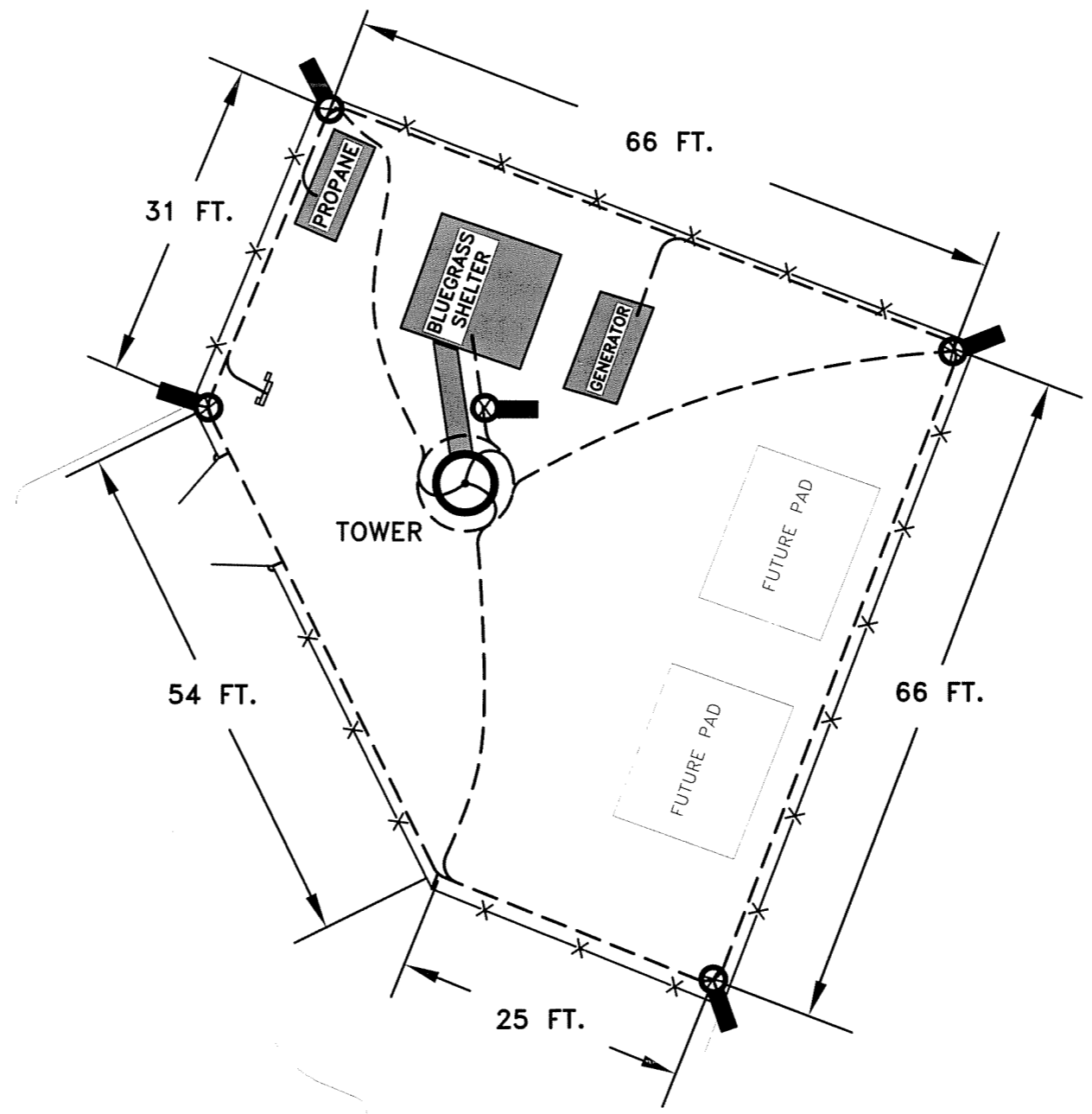
DRAWN BY: R. BECKER
 ISSUE DATE: 9-10-08
 SCALE: LISTED

SHEET NUMBER
E-2



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

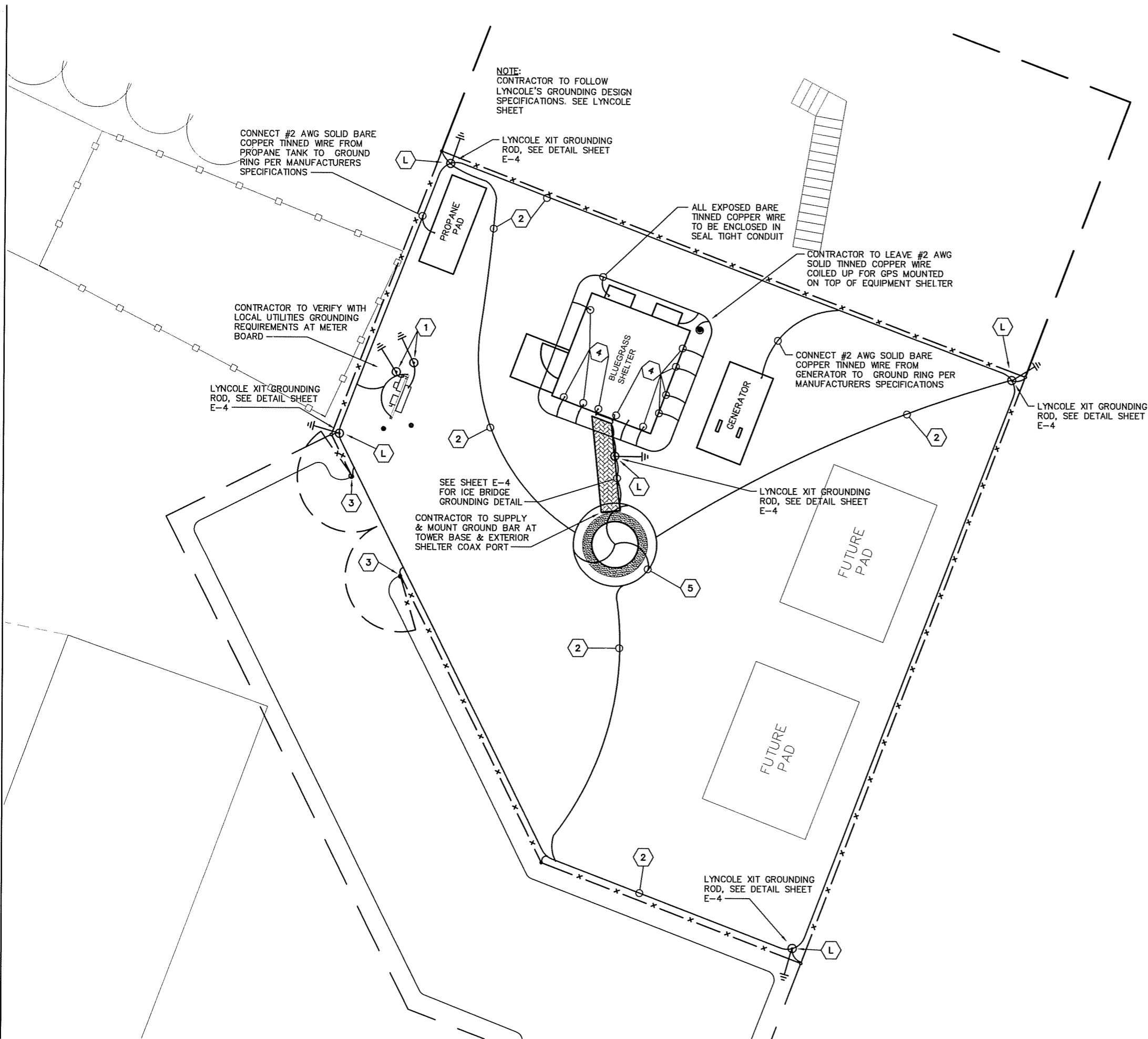
DETAIL



NOTES:

- x — FENCE LINE
- - - - BARE #2 AWG TINNED SOLID 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)

LYNCOLE		CLIENT / END USER RSB DESIGN / BLUEGRASS CELLULAR	
DRAWING PROJECT NAME 1a BLUEGRASS CUMBERLAND FALLS		TITLE GROUNDING OPTION	
TECHNICAL SERVICES 3547 VOYAGER STREET, SUITE 204 TORRANCE, CA. 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		LOCATION: CITY, STATE PARKERS LAKE, KY	CALCULATED RESISTANCE < 25 OHMS
DRAWN BY PD	APPROVED BY	DATE 10/16/2008	
SOIL DATA PROVIDED BY TERRACON	REFERENCE NUMBER NA	SCALE NONE	LTS NUMBER 080249



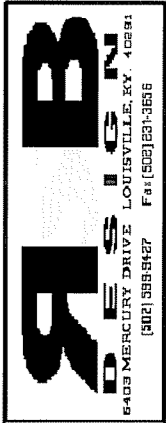
- GENERAL ELECTRICAL NOTES:**
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN 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 GROUNDING 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. GROUNDING CONFIGURATION TO BE IN PARALLEL.
 - 6) CONTACT POINTS FOR GROUNDING 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 GROUNDING SPECIFICATIONS WHEN USING THEIR XIT GROUNDING RODS. SEE DETAIL SHEET E-4.

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

SITE PLAN-GROUNDING
SCALE: 3/32" = 1'-0"

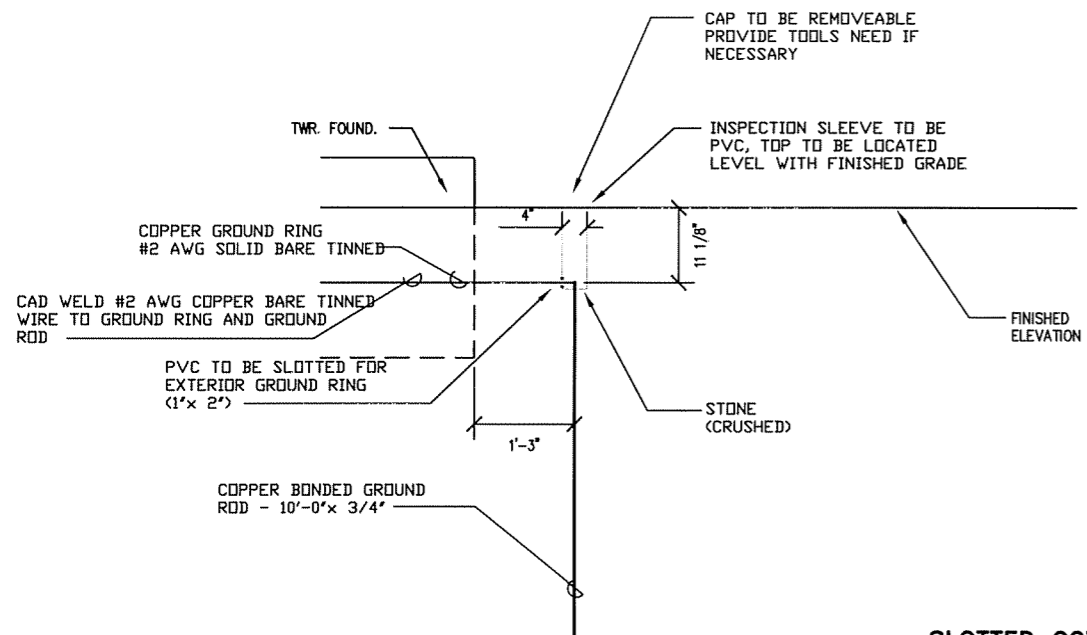


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BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

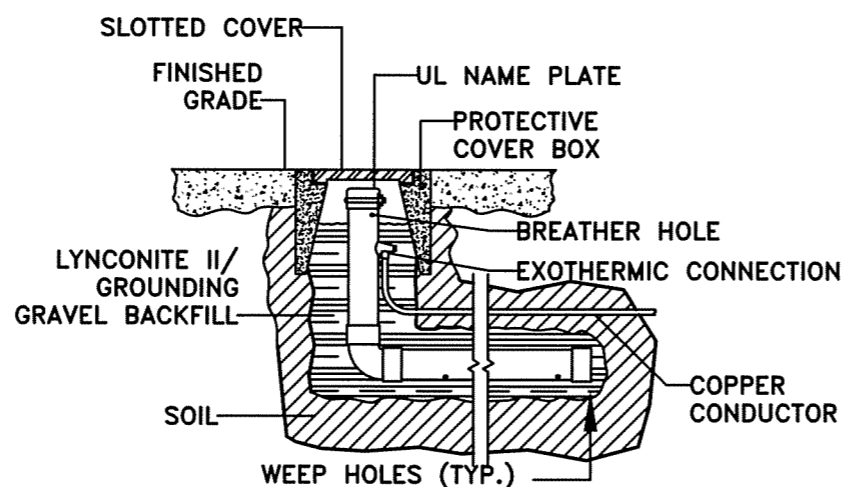
DRAWN BY: R. BECKER
ISSUE DATE: 9-10-08
SCALE: LISTED

SHEET NUMBER
E-3



GROUND ROD DETAIL

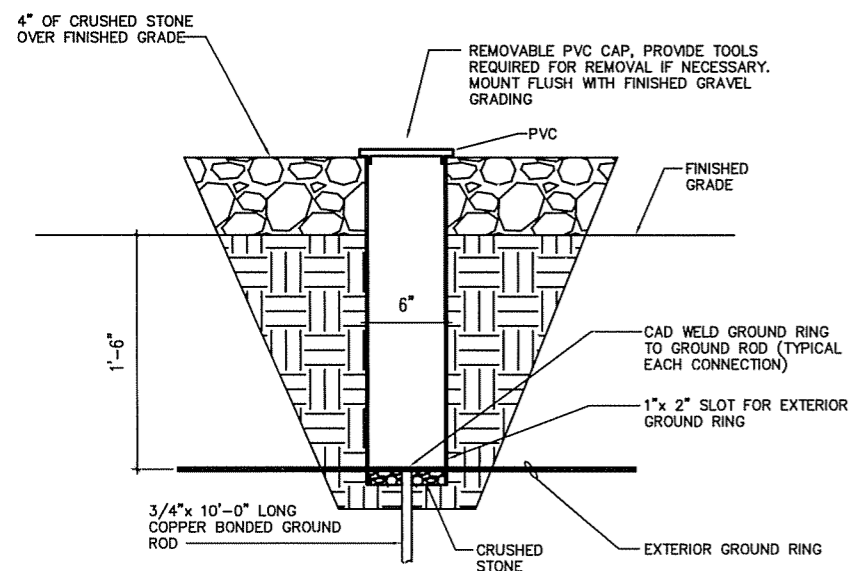
NO SCALE



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

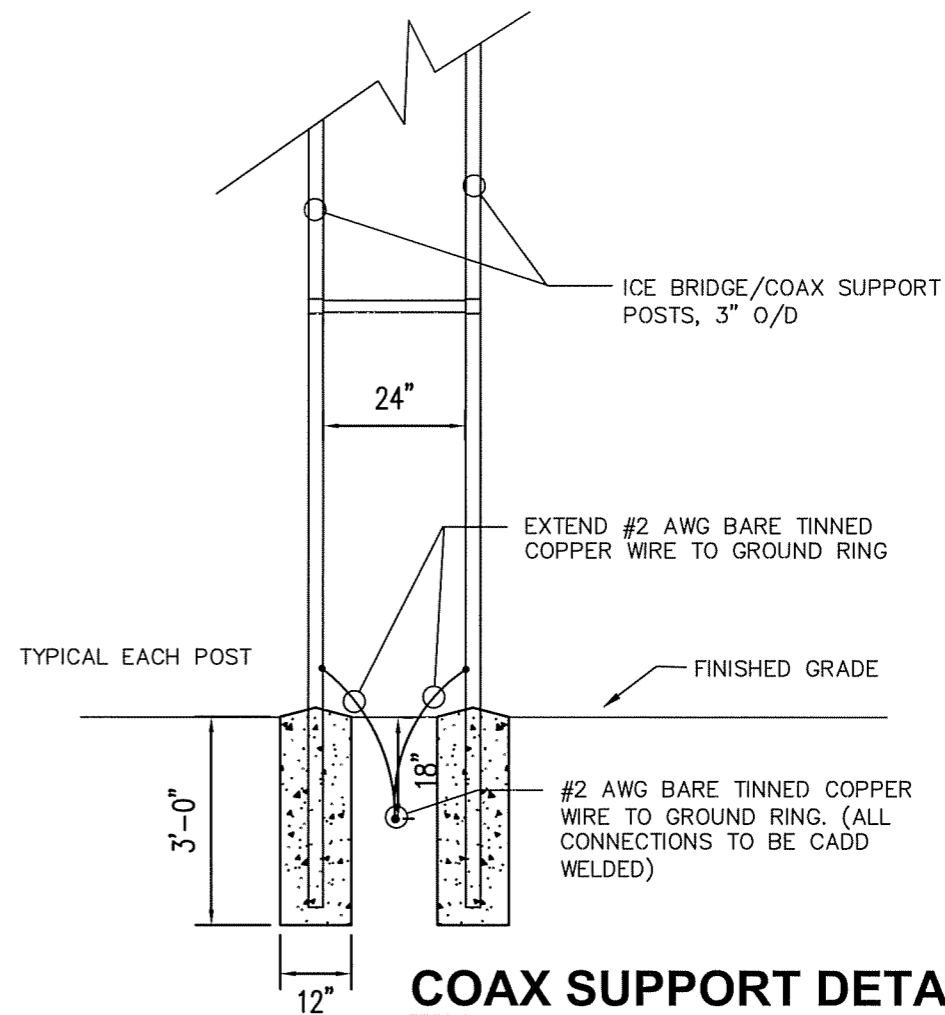
LYNCOLE XIT ROD DETAIL

NO SCALE



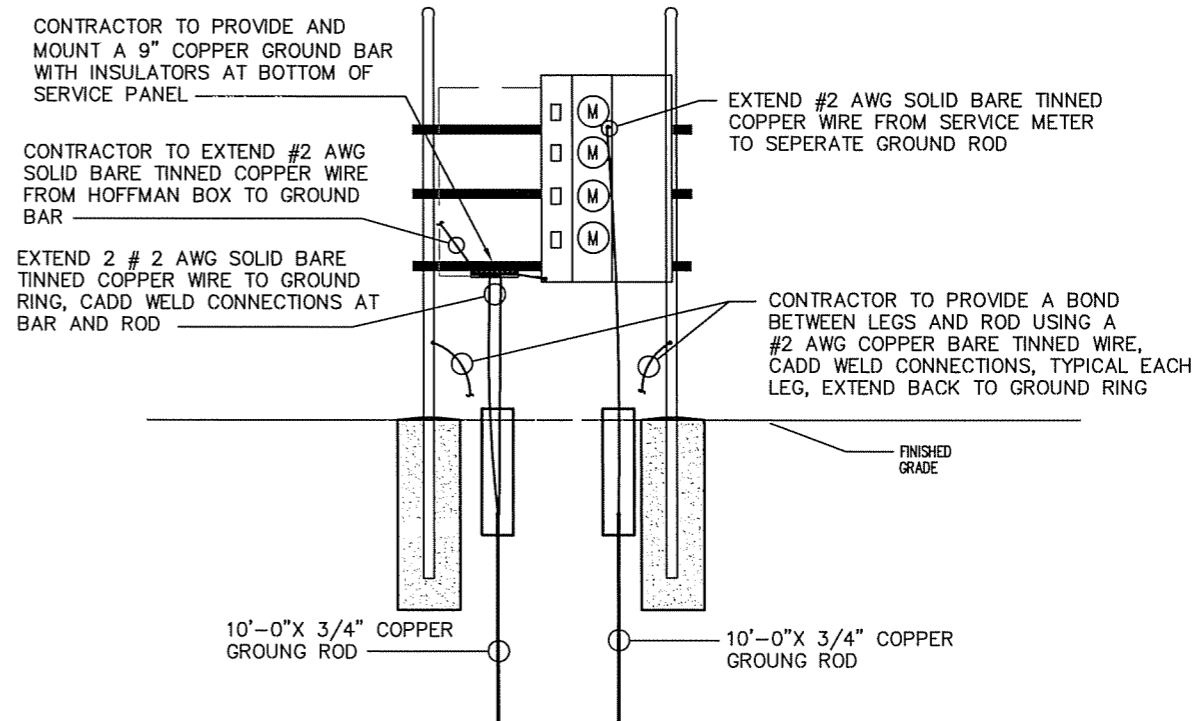
GROUND SLEEVE DETAIL

NO SCALE



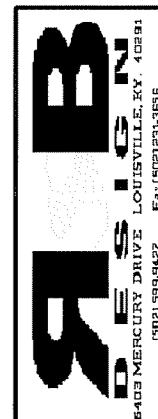
COAX SUPPORT DETAIL

NO SCALE



SERVICE BOARD DETAIL

NO SCALE

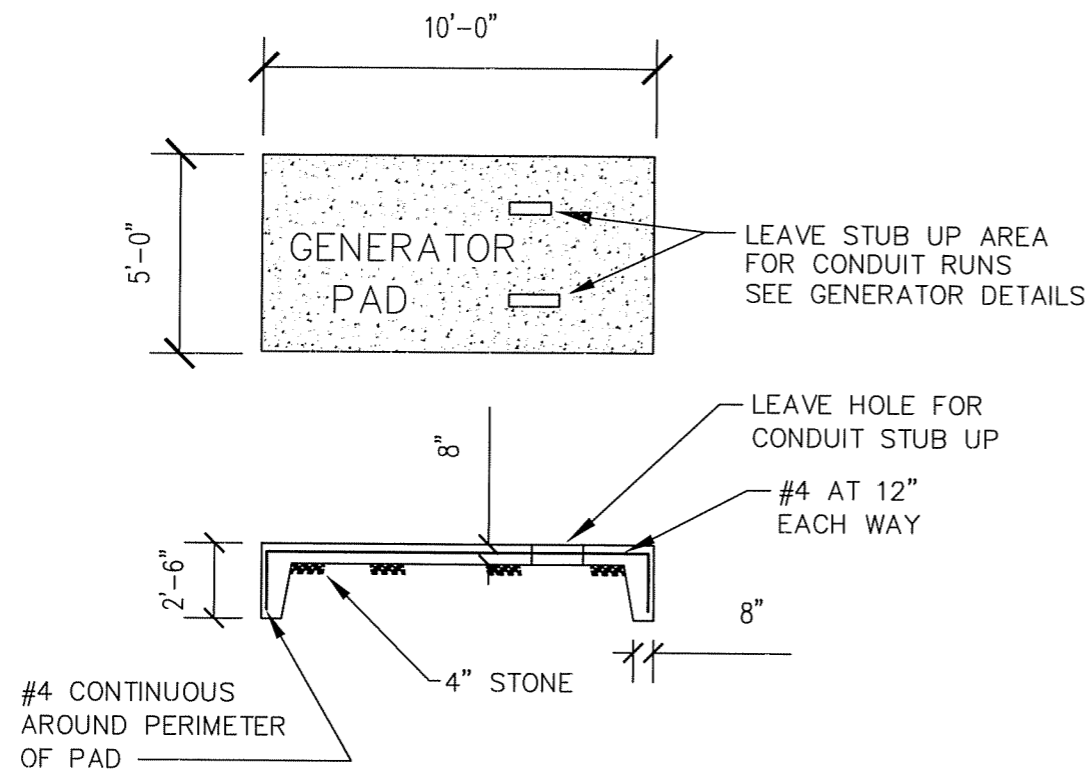


NO.	DATE	REVISION

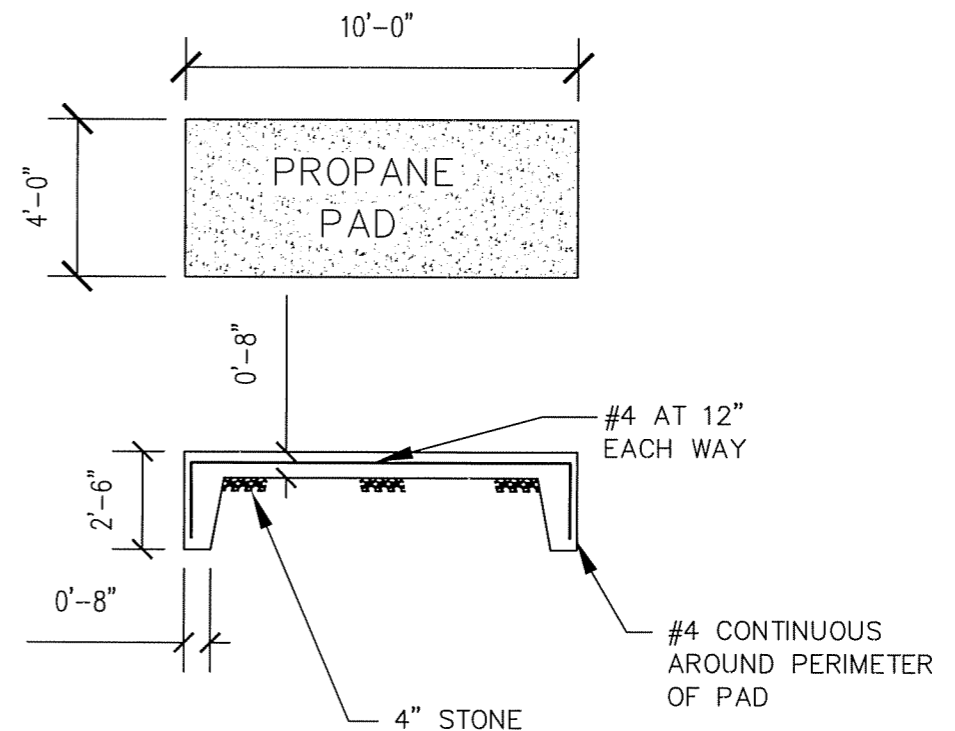
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

DRAWN BY: R. BECKER
ISSUE DATE: 9-10-08
SCALE: LISTED

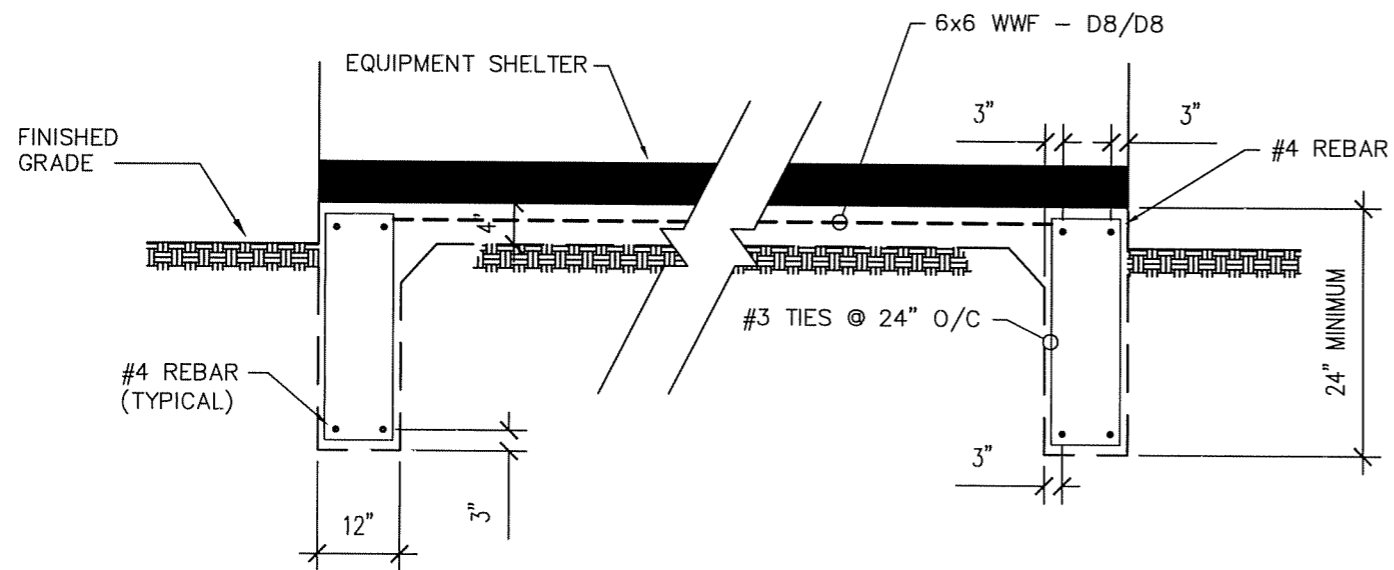
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E-4



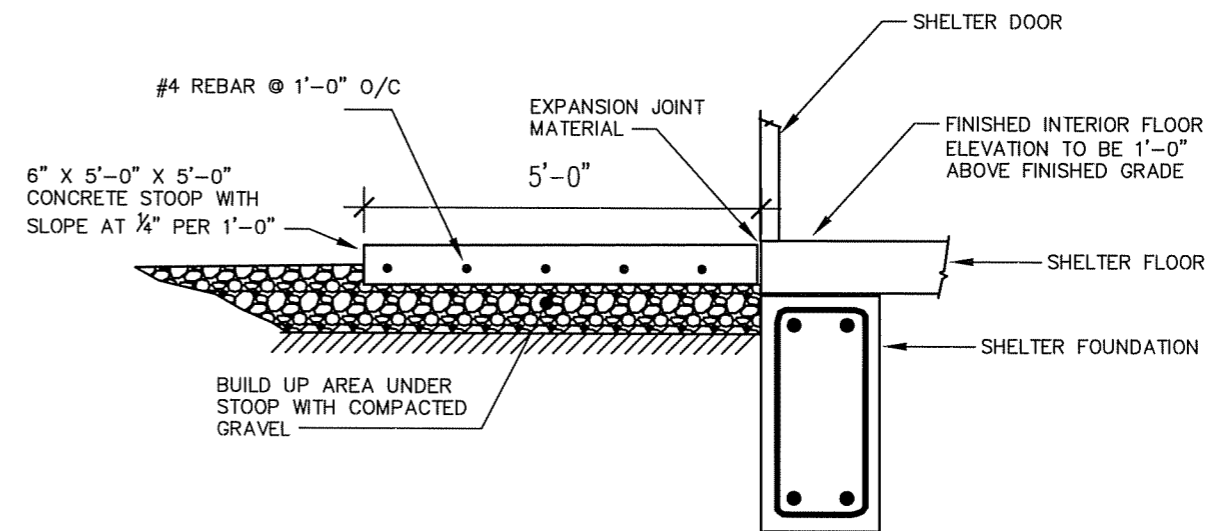
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NO SCALE



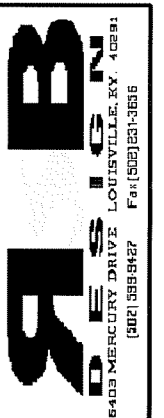
FOUNDATION DETAIL
NO SCALE



SHELTER FOUNDATION PLAN
NO SCALE



CONCRETE STOOP DETAIL
NO SCALE



BLUEGRASS CELLULAR, INC.
8403 MERCURY DRIVE, LOUISVILLE, KY. 40291
(602) 555-5427 Fax: (502) 251-3656

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

DRAWN BY: R. BECKER
ISSUE DATE: 9-10-08
SCALE: LISTED

SHEET NUMBER
S-1

0G7627

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:

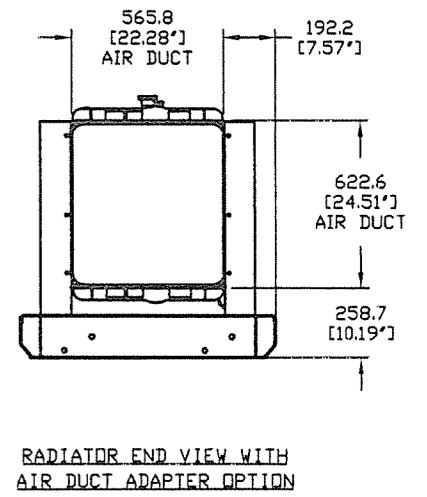
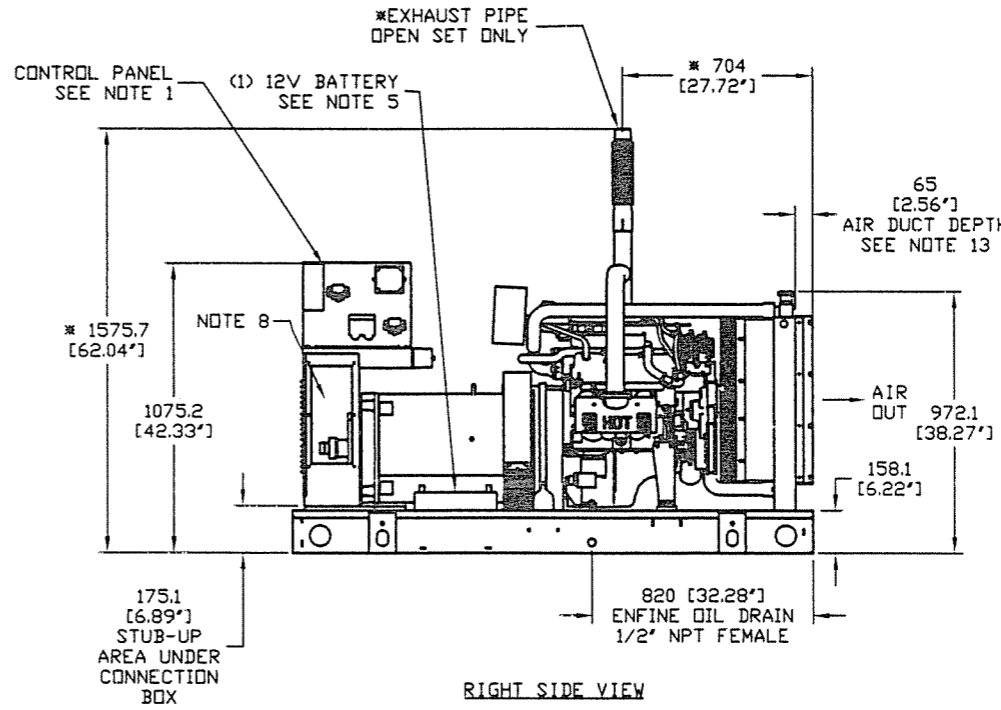
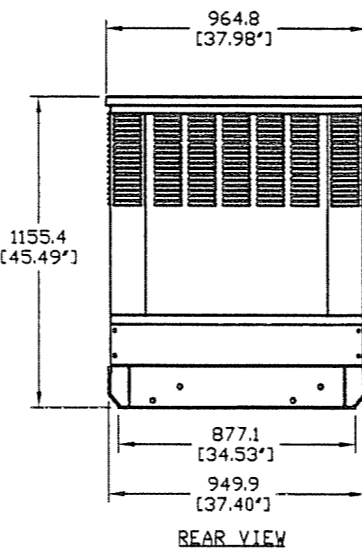
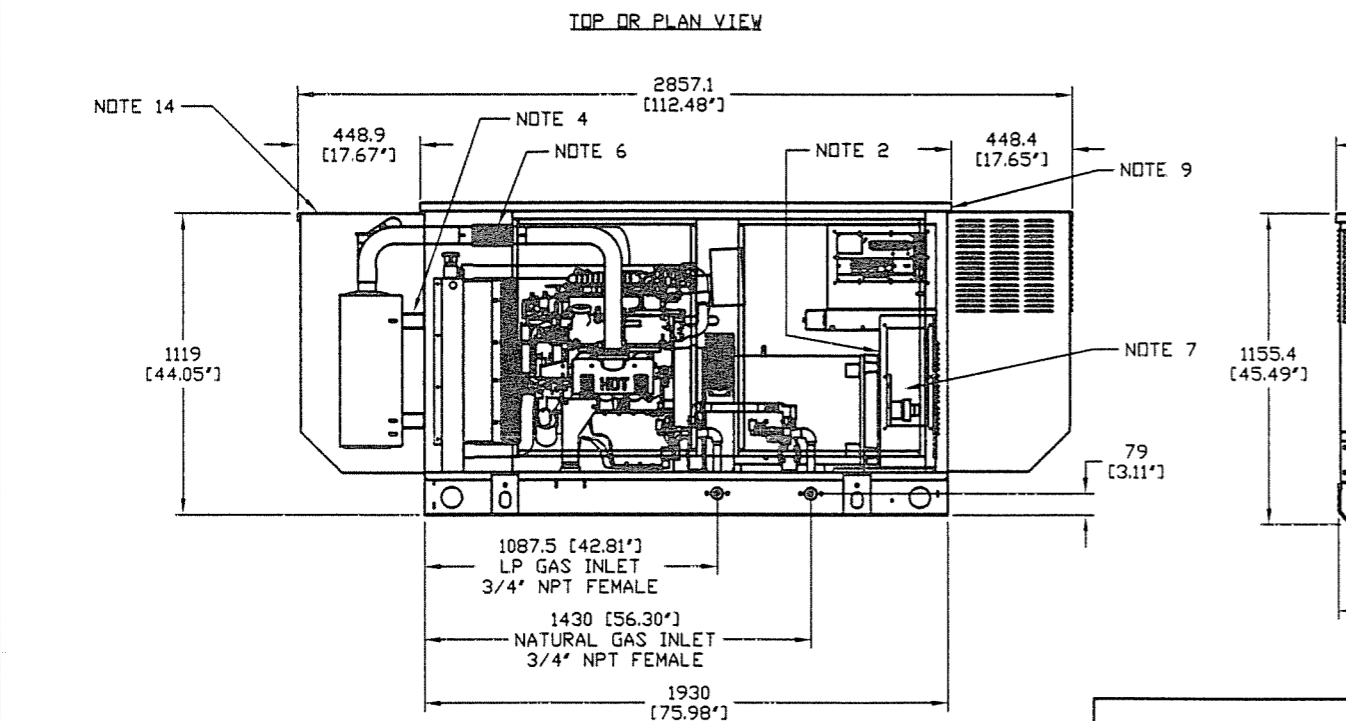
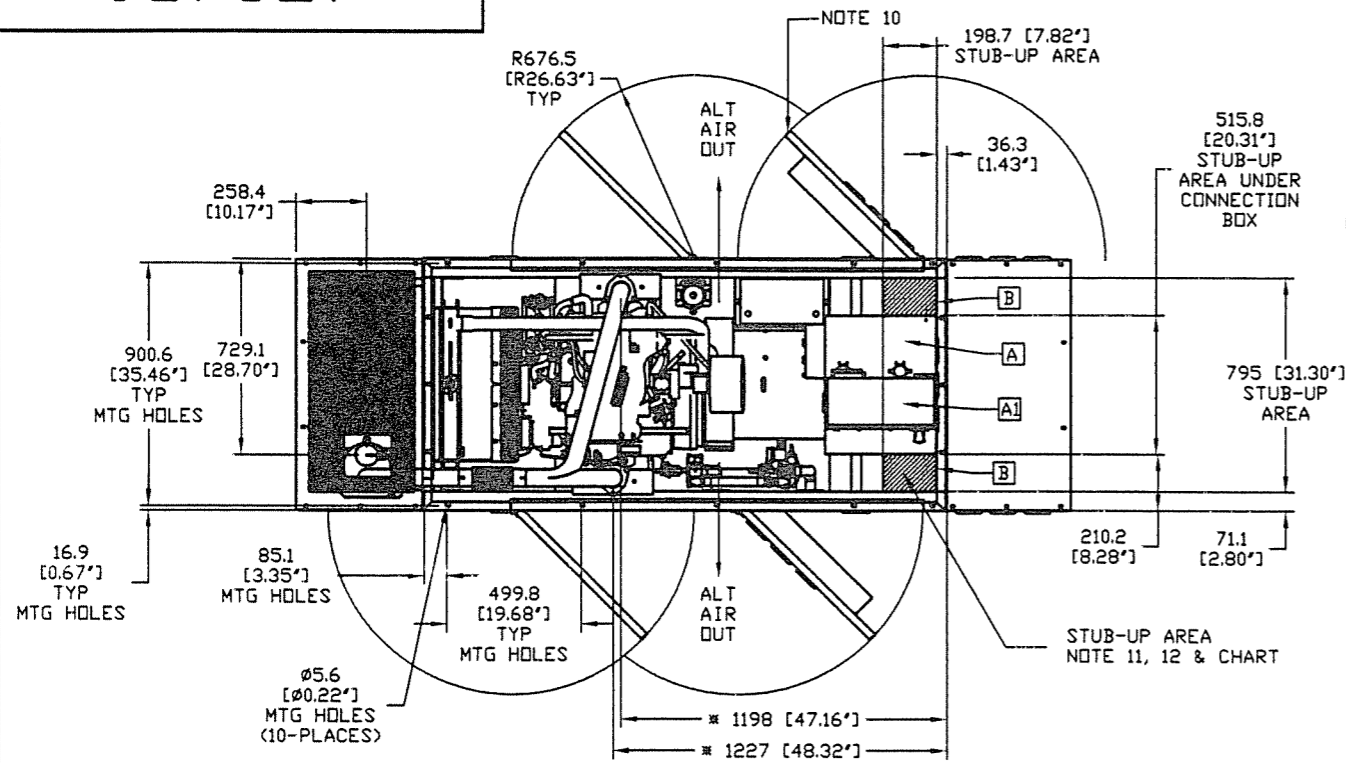
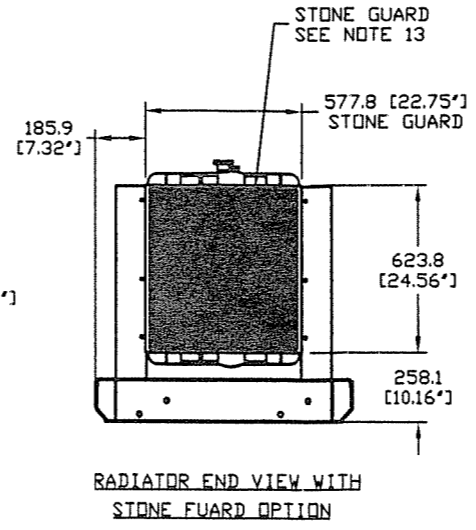
- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
- STANDARD 20A GFCI DUPLEX OUTLET - 120VAC REQUIRED.
- CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
- EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL ENCLOSURE.
- 12 VOLT NEGATIVE GROUND SYSTEM.
- 2.5" I.D. FLEX 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.

RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)	
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT)	A
AC LOAD LEAD CONDUIT (LEFT)	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]



GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS.
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APPLICABLE TO 4.5L G3 35, 40 & 45KW

INSTALLATION DRAWING

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	0G7627-A.DWG
SCALE	NTS
DWG NO.	0G7627
SIZE	B
FIRST USE	4.2L G3
REV	A

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 PHOTOCELL 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.

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).

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.


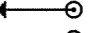






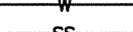
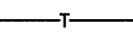
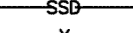




8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE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

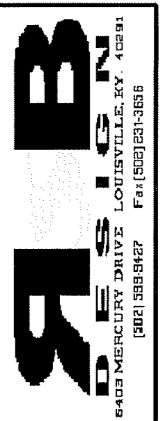
9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.

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



6405 MERCURY DRIVE, LOUISVILLE, KY. 40291
 (502) 588-8467 Fax: (502) 581-3656

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND FALLS
 774 HERMAN VANOVER RD. PARKERS LAKE, KY. 42634

DRAWN BY: R. BECKER
 ISSUE DATE: 9-10-08
 SCALE: LISTED

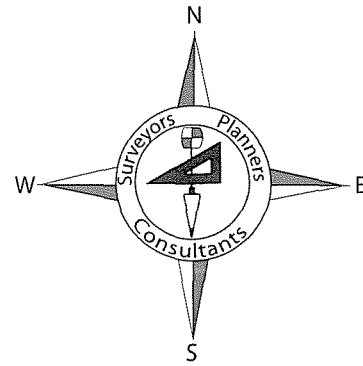
SHEET NUMBER
General Notes

"BEFORE YOU DIG"
 THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 1-800-752-6007, 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.

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

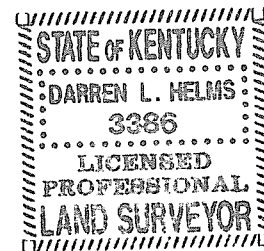
Directions to the Site From the County Seat of McCreary County, Kentucky

Cumberland Falls Site
McCreary County, Kentucky

From the McCreary County Courthouse in Whitley City, Kentucky: travel south on Kentucky Highway 1651 for 0.2 miles to Kentucky Highway 478; turn left onto Kentucky Highway 478 and travel east for 0.2 miles to U.S. Highway 27; turn left onto U.S. Highway 27 and travel north for 8.3 miles to Parkers Lake and Kentucky Highway 90; turn right on Kentucky Highway 90 and travel east for 10.7 miles to Herman Vanover Road, which is about 1.3 miles before reaching the Cumberland River; turn left onto Herman Vanover Road and travel easterly 0.9 miles to the tower site at the end of the road and the former amusement attraction known as Six Gun City. The address of the site is 774 Herman Vanover Road, Parkers Lake, Kentucky 42634.

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

Aug. 26, 2008
Date



Site Name: Cumberland Falls

LEASE AGREEMENT

THIS AGREEMENT TO LEASE REAL PROPERTY (the "Lease Agreement") is made and entered into this 1 day of August, 2008 (the "Effective Date"), by and between Connie Clippert (the "Landlord (s)") and Cumberland Cellular Partnership, d/b/a /Bluegrass Cellular, a Kentucky general partnership with a principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Tenant").

WITNESSETH:

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

WHEREAS, the Landlord(s) wishes to grant to the Tenant, and the Tenant wishes to obtain from the Landlord(s), an agreement 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: Cumberland Falls

1. 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 Landlord(s) for the purposes of ingress and egress throughout the term of the lease. The Tenant 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 Tenant. A copy of the survey shall be provided to the Landlord(s). The description of the Property shall include the number of acres determined by the surveyor. The Tenant shall obtain said survey within a reasonable time following the date of the Lease Agreement.
2. The Tenant may assign this Lease Agreement, and upon any assignment such assignee shall have all the rights, remedies and obligations as if it were the original Tenant hereunder. From and after any such assignment, the term "Tenant" shall refer to such assignee.
3. 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.
4. The Landlord(s) represents, warrants and covenants to the Tenant that the Landlord(s) has not caused or permitted, and shall not cause or permit, and to the best of Landlord(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 Tenant becomes legally liable, the

Site Name: Cumberland Falls

Landlord(s) shall indemnify the Tenant against all claims, damages, judgments, penalties and costs and expenses, including reasonable attorneys' fees, which Tenant may incur. Landlord shall not be responsible for indemnifying the Tenant, however, to the extent such contamination occurs as a result of the intentional or negligent acts or omissions of the Tenant.

5. This Lease Agreement and the rights and obligations of the parties hereto shall be construed in accordance with the laws of the Commonwealth of Kentucky.
6. For the purposes of giving notice as permitted or required herein, the address of the Landlord(s) shall be: **124 East Perry St., Versailles, IN 47042**; the Tenant's address shall be: **2902 Ring Road, Elizabethtown, KY 42701**. Any inquiry by the Landlord to the Tenant regarding the terms and conditions of the Lease Agreement, or otherwise related to the Lease Agreement, shall be made in writing and submitted to the attention of the Tenant's Lease Administrator at the above address.
7. The Tenant shall have the right, in its sole discretion, to record this Lease Agreement or a Memorandum of this Lease Agreement in the Office of the Clerk of the County Court of McCreary County, Kentucky.
8. The term of the Lease shall commence on the Effective Date. The initial term shall expire **five (5) year(s)** ("Original Term") from the Effective Date of the Lease Agreement and shall be renewable for up to **six (6) additional five (5)-year terms** (each a "Renewal Term"). Tenant may, by providing written notice at least sixty (60) days prior to the expiration of the Original Term or any Renewal Term, elect to unilaterally terminate this Lease at the end of any such term. Such notice must be personally delivered or sent via registered or certified mail, return receipt requested,

Site Name: Cumberland Falls

to the notice address of the Landlord(s) identified in Paragraph 6 hereof. The rent amount shall be adjusted at the end of the Original Term and each Renewal Term, if any, by an increase of fifteen percent (15%).

The parties hereby further acknowledge that Tenant has not yet received all required governmental, regulatory, and/or other approvals (the "Required Approvals") for the erection of a permanent cellular antenna tower (as distinguished from a "cell on wheels" or "COW") on the Property and that, accordingly, Tenant is executing this Lease Agreement prior to securing those Required Approvals as an accommodation to Landlord. Therefore, Landlord and Tenant agree that Tenant may terminate this Lease Agreement without penalty or other cost in the event that Tenant, in the exercise of its sole judgment and discretion, determines that the Required Approvals are unlikely to be received. In the event Tenant seeks to terminate this Lease Agreement pursuant to this provision, Tenant shall provide Landlord with no less than ten (10) days prior written notice of its intent to do so.

9. The Tenant shall pay to the Landlord(s) rent for the Property in the sum of Five Thousand Four Hundred Dollars and Zero Cents (\$5,400.00) yearly, to be paid in advance. All rent payments shall be personally delivered or mailed to the Landlord(s) at the address set forth in Paragraph 6, hereof. Any check payment of the rent due pursuant to this Lease Agreement shall be payable to the order of Landlord(s).

10. The Tenant 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 Tenant may, in its sole discretion, deem necessary in connection therewith.

Site Name: Cumberland Falls

11. The Landlord(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 Tenant shall pay all charges for heat, water, gas, electricity, sewer use charges and any other utility used or consumed on the Property. The Tenant 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 Tenant located on the Property.
12. The Tenant may sublet all or part of the space on the tower or ground space.
13. The Landlord may sell or otherwise convey the Property subject to the terms of this Lease Agreement. Upon such conveyance, the conveyee of the Property shall have all the rights, remedies and obligations as if it were the original Landlord hereunder. From and after any such conveyance, the term "Landlord" shall refer to such conveyee.
14. The Landlord(s) covenants that upon the Tenant's payment of the rent agreed upon herein, as well as Tenant's observing and performing all of the covenants and conditions contained in this Lease Agreement, the Tenant may peacefully and quietly enjoy the Property subject to the terms and conditions set forth in this Lease Agreement.
15. The Tenant agrees to maintain an access road in a passable manner for the term of the lease. The access road shall be the Existing Access Road or the Optional Access Road identified in the survey of the Property.

Site Name: Cumberland Falls

EXECUTION OF AGREEMENT(S)

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

Connie Clippert
("Landlord")

Cumberland Cellular Partnership, d/b/a
Bluegrass Cellular ("Tenant")

By: Connie Clippert By: Ron Smith Ron Smith

Its: _____
(If Landlord is signing in individual capacity, leave this line blank.)

Its: Authorized Representative

Date: 8-1-08

Date: 8/1/08

Site Name: Cumberland Falls

STATE OF Indiana
COUNTY OF Ripley

The foregoing instrument was acknowledged before me this 1 day of Aug,
2008, by Loane Clippert to be his/her free act and deed.

[Signature]
NOTARY PUBLIC STATE AT LARGE
My commission expires: 5-14-16

STATE OF KENTUCKY
COUNTY OF HARDIN

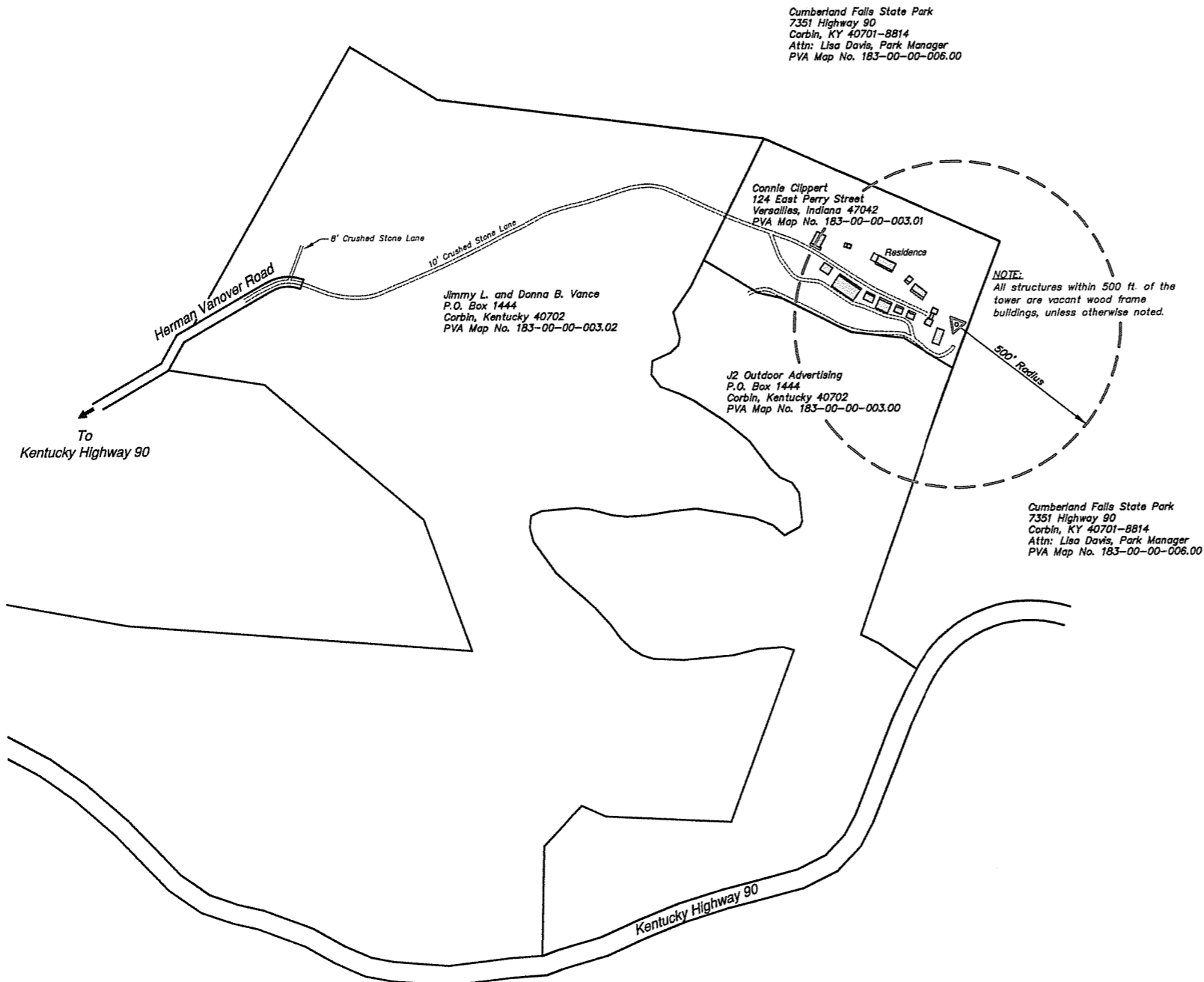
This instrument was acknowledged before me this 13 day of August,
2008 by Ron Smith, authorized representative of Cumberland Cellular Partnership, d/b/a Bluegrass Cellular

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

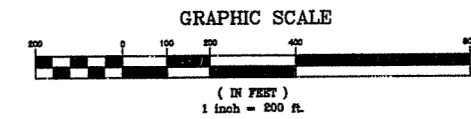
This instrument prepared by:

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

Site: Cumberland Falls
500-Foot Radius Map for Structures and Landowners
McCreary County, Kentucky



North



Note

The location of the boundaries shown are approximate, and they are based upon the aerial photographs on file in the office of the Property Valuation Administrator of McCreary County, Kentucky and deeds lodged in the office of the County Clerk of McCreary County, 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 offices of the Property Valuation Administrator and County Clerk of McCreary County, Kentucky on August 14, 2008.

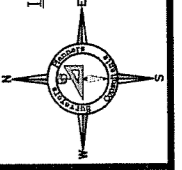
Darren L. Helms
 Darren L. Helms, P.L.S. 3386

Aug. 26, 2008
 Date

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) 257-0950
 Email: landmark@landmark.net
 Project No. 08-06-0162



500-Foot Radius Map
 774 Herman Vanover Road
 Parkers Lake, Kentucky 42634

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

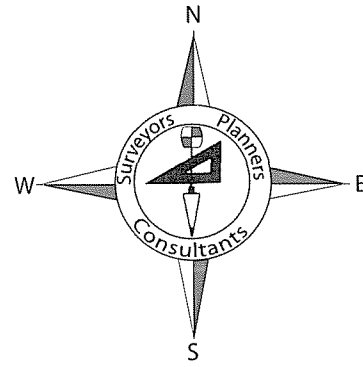
DATE 8-26-08	DRAWN BY A. Winkler	CHECKED BY D.L.Helms
-----------------	------------------------	-------------------------

SHEET NO.
 1
 OF 1 SHEETS

FILE NO.
 cumberland-radius.dwg

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
Cumberland Falls Site
McCreary County, Kentucky

Jimmy L. and Donna B. Vance
P.O. Box 1444
Corbin, KY 40702

Cumberland Falls State Park
7351 Highway 90
Corbin, KY 40701-8814
Attn: Lisa Davis, Park Manager

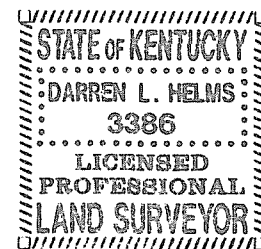
J2 Outdoor Advertising
P.O. Box 1444
Corbin, KY 40702

Connie Clippert
124 East Perry Street
Versailles, IN 47042

Darren L. Helms

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

AUG. 26, 2008
Date



October 31, 2008

Jimmy L. and Donna B. Vance
P.O. Box 1444
Corbin, Kentucky 40702

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 operate a new cell facility to provide cellular radio service. This facility will include a 130-foot tower to be located at 774 Herman Vanover Road, Parkers Lake, Kentucky, 42634. 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 2008-00363 in your 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. 	A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by (Printed Name) C. Date of Delivery <i>J. Wilson</i> 11-5-08 D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
1. Article Addressed to: Jimmy L. & Donna Vance P.O. Box 1444 Corbin, KY 40702	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
7008 1300 0000 4494 0459	

October 31, 2008

J2 Outdoor Advertising
P.O. Box 1444
Corbin, Kentucky 40702

Public Notice

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P.O. Box 615
Frankfort, Kentucky, 40602.**

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<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.	A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee
1. Article Addressed to: <i>J2 outdoor Advertising P.O. Box 1444 Corbin, KY 40702</i>	B. Received by (Printed Name) <i>[Signature]</i> C. Date of Delivery <i>11-5-08</i>
2. Article Number <i>7008 13005 0000 4494 0466</i> <small>(Transfer from service label)</small>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
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

October 31, 2008

Cumberland Falls State Park
Attn: Lisa Davis, Park Manager
7351 Highway 90
Corbin, Kentucky 40701-8814

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.

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

Please refer to case number 2008-00363 in your correspondence.

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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.	A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery C. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
1. Article Addressed to: Cumberland Falls State Park Attn: Lisa Davis, Park Manager 7351 Highway 90 Corbin, KY 40701-8814	D. 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) 7008 1300 0000 4494 0473	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

October 31, 2008

Connie Clippert
124 East Perry Street
Versailles, Indiana 47042

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.


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

Please refer to case number 2008-00363 in your 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 type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Connie L. Clippert</p> <p>C. Date of Delivery 10/31/08</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: Connie Clippert 124 E. Perry Street Versailles, Indiana 47042</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>

2. Article Number
(Transfer from service label) 7008 1300 0000 4494 0480

Dinsmore & Shohl
ATTORNEYS

Kerry W. Ingle
502-540-2354
kerry.ingle@dinslaw.com



October 31, 2008

Via Certified Mail

McCreary County Judge Executive
One North Main St.
Whitley City, KY 42653

RE: *Application of Cumberland Cellular Partnership for issuance of a Certificate of Public Convenience and Necessity to Construct a Cell Site (Cumberland Falls) in Rural Service Area #5 (McCreary County), Public Service Commission of the Commonwealth of Kentucky, Case No. 2008-00363*

Your Honor:

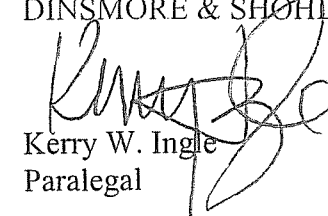
Cumberland Cellular Partnership ("Cumberland Cellular") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Cumberland Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #5 in McCreary County. The facility will include a 130 ft. tower and an equipment shelter to be located at 774 Herman Vanover Road, Parkers Lake, Kentucky, 42634. 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, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2008-00363 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP


Kerry W. Ingle
Paralegal

Enclosure

SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:
 McCreary County Judge
 Executive
 One North Main St.
 Whitley City, KY
 42653

2. Article Number
 (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Blaine Phelps* Agent Address

B. Received by (Printed Name) *Blaine Phelps* C. Date of Delivery *11/9/04*

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7008 1300 0000 4494 0497

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

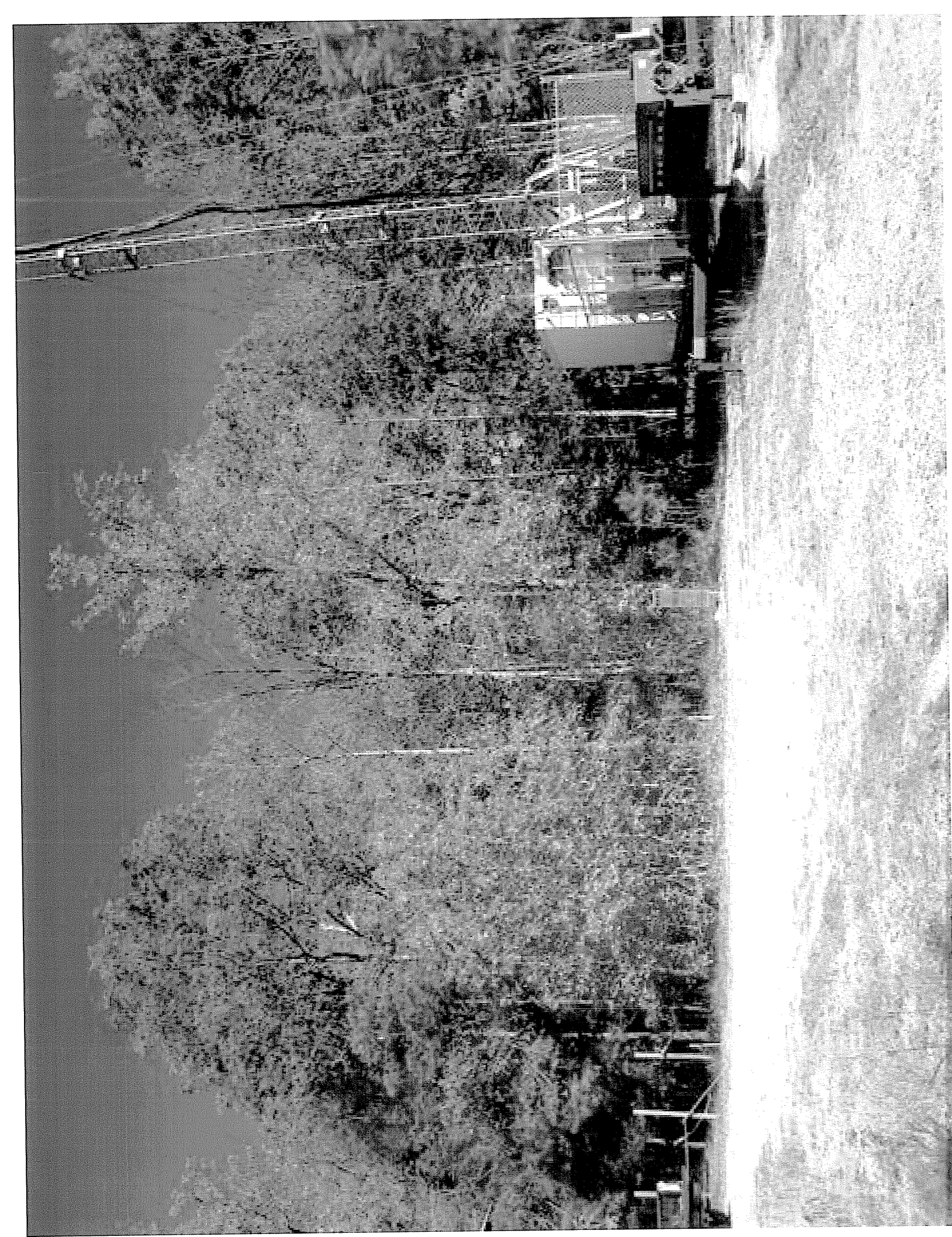
near this site. If you have any
questions please contact

Project Director
Cumberland Cellular Partnership
10000 Old Highway
P.O. Box 100
Cumberland, MD 21502

Please refer to P.S.C.

Case #2008-00363

in your correspondence.







PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

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

Executive Director
P.O. Box 4047
2001 East Road
Spartanburg, SC 29301

Executive Director
The Public Service Commission
215 North Mainway
Columbia, SC 29201
Telephone: 803-734-2000

Please refer to P.S.C.

Case #2008-00363

in your correspondence.





AFFIDAVIT OF PUBLICATION

I, Beth Gibson

of The McCreary County Record, a legal newspaper holding a second class mailing permit, published weekly in Whitley City, county of McCreary, Commonwealth of Kentucky, do swear and subscribe that the attached proof of publication of a legal notice, as required and prescribed by KRS Chapter..., was published in said newspaper in the issue of

Nov. 4 & 11, 2008

10" for which the sum of \$ 47.30
is due and payable.

Signed: Beth Gibson

Title: Circulation

Subscribed and sworn to before me, a notary public for the County of McCreary, Commonwealth of

Kentucky, this 12th

day of November, A.D. 20 08

Carolyn Sue Anderson

My Commission expires Dec. 17 2008

(SEAL)

1-800-558-0011
vposeal.com 1-800-434-4628!!!

Mystery Shopper
Earn up to \$100 per day. Undercover shoppers needed to judge retail and dining establishments. Experience not required. Call 1-800-558-0649/

Epperson Air Conditioning, Heating, Plumbing Electric Wish to acquire similar operating business and Assets. Call (606) 679-7476. Located at 112 W University Drive, Somerset, KY 42503 EOE & Drug Free Workplace.

215 Help Wanted / Drivers

Transport Drivers
Must have CDL w/ Hazmat & Tanker endorsements. At home everyday, have insurance, paid vacations & 401K. Call 606-679-6316.

320 Unfurnished Apts.

Apartment For Lease.
2 Bdr, 1 Ba, Open Floor Space. No Pets & No W/D. \$349 mo. Call 606-875-0216

Apartments for rent:
1&2 bdrms available
Excellent locations in town. Utilities included at some locations. Low income family &/or Elderly Housing 62 yrs. of age or older. Handicapped/disabled regardless of age. Equal Housing Opportunity.
606-678-5110
TDD: 800-247-2510

365 Storage Units

Godby & Godby Storage Rentals
Now Leasing 10x12 and 8x10 units Starting at \$40 to \$50 a month. Contact 305-8411

Great for Commercial or Private Use!
69.97 surveyed acres 164,900 Contact 606-343-0186 (Teresa) 1+ acres spring fed pond. Wooded and cleared areas. Property has water. 20 homesites surveyed/lot for potential subdivision in Strunk on Hwy 27 Aerial Shots available

460 Real Estate Wanted

We Pay Cash for Land
Wanted- Good Hunting grounds- rough wooded land and other ground- 50 ac to 1,000 ac and up. call Marion 270-422-2444

570 Wanted to Buy

Buying Gold and Silver Coins and scrap.
561-0100 or 219-2000

600 Services

840 Painting

J & D Painting
Free Est/Exp. Int. \$45/room. Woodwork extra. Also Ext paint. and Stain 875-1189.

900 Notices

910 Land Posted

ABBOTT, Ernest & Charlene- Approx. 15 acres, house & 2 garages on 1419 Vanover Ridge Rd., Parkers, Lake 07/09

BALL, Leamon- Approx. 51 acres off Kidd School Rd. 2/09

BALL, Geneva-105 acres & 115 acre farm at Holly Hill. 01/15/09

BRUMETT, Brummett Property on Foster Rd., 01/09

BOWMAN, Ora & Loretta- Approx 2 acres on Woods Rd no trespassing at any time. 03/09

Bryant, Dorman Approx 27 Acres & pond. 7 miles down Sandhill rd. 1 mile down Hen's Nest Rd. 3/09

acre son both sides Rt. 92, directly east of 3C Rd. 01/2009

CAMPBELL, CLINTON & VICKIE Approx. 5.1 acres on 145 Hobert Perkins Rd 1/09

CANADA, John & Lisa- 16 acres, Catron Rd., Whitley City. No trespassing, not responsible for accidents 12/08

COFFEY, Clarence Nealer Approx 1 1/2 acres off Beech Grove Rd. 3/09

COFFEY, Flora Approx 5 & 9/10 acres on Doc West Rd., Stearns 07/09

CONSTANT, Jay- Approx 6 acres located on Mary Shadoan Rd & Constant Lane. No Hunting, No Fishing, No trespassing 10/09

CORDELL, Lenville- Land & 3 ponds, Day Ridge Rd. 01/09

COX, Dorothy- 25 acres & pond, Hwy. KY 478 .05/09

Cox, Lanny & Mary- Approx 2 acres on N. Hwy 27 on Dixie Lane. 12/08

CRABREE, Chris & LaRhonda- Approx 9.10 acres of WCC Rd., just Roundtop Rd. 08/09

CRABTREE, Brian & Lisa Approx. 2 acres on Bob Musgrove Rd. Pool & Property. 07/09

CRABTREE, Randy & Lannette- Approx 4 1/2 acres at the end of Fed Stephens Rd. Pine Knot 07/09

CRABTREE, Randy & Lannette- Approx 9.10 acres on WCC Rd just off Raoundtop Rd. Strunk 08/09

DAUGHERTY, Stanley & Rosemary- Approx 28 acres on Wilson Ridge Rd. 08/09

DICK, Bobby-6 acres, Stearns, on Johnny Dick Rd. 12/09

DIXON, William & Theresa- Property on Gary Stephens Rd and 3 acres lying on Marsh Creek in Strunk. KY07/09

DOBBS, Jimmy & Linda - Property, pond & pool. Rattlesnake ridge., Stearns. 09/09

DOBBS, Phillip & Debbie- Property pond & pool on the Fordie Coffey Rd. 06/09

DOBSON, Doug- 5 1/2 acres & ponds (540 Hwy 741) Webb Warman Hill, Stearns. 08/09

DOPLE, Faye Approx. 6 acres, HWY 1044, off Bethel Rd. Pine Knot. 04/09

Foster, Randy & Linda 3 tracts on Hwy 742, and Foster Rd. No trespassing. 10/09

GARLAND, Edward & Judy & CLARK Kathy- Approx 50 acres on Sweet Gum Rd. 05/09

GIBSON, Willie Approx. 40 Acres at the end of Selvidge Lane 05/09

GILREATH, Leslie Jr., - Approx 15 acrs & pond Pig Skin Rd. 08/09

LOWE tower rd. 05/09
HAMLIN, Dale, Ronn & Misty- Property ponds on Meadow Grove Rd. & Bethel R. 07/09

HAMLIN, Dale- Property & pond Meadow Grove Rd & Airport R. 07/09

HAMLIN, Eddie- 11 acres. Marsh Creek 08/09

HAMLIN, Ronald & Shirley- Property & pond, Meadows Grove rd. 07/09

HAMLIN, Ronnie & Misty- All property on Meadows Grove Rd 07/09

HATFIELD, Herman & Larue-50 Acres, Perkins Creek off Murphy Ridge, Strunk. 10/09

HENRY, Dorothea 3 acres & Pond, Pine Ridge Rd., Stearns. 8/09

HILL, Roy & Dorothy- 28 acres & pond, 130 Claude Hill Rd, Strunk. 1/15/09

HORNING, David & Nancy 267 acre Farm & 4 ponds, Greenwood Area. No Recreational Vehicles, not responsible for injuries or accidents 01/09

INMAN, Eddie & Sharon- Land on Clean on Strunk Rd., postively no trespassing. 09/09

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 (Cumberland Falls Cell Site). The facility is a 130 foot tower and an equipment shelter to be located at 774 Herman Vanover Road, Parkers Lake, Kentucky, 42634. 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. 2008-00363 in your correspondence.

Mystery Shopper
Earn up to \$100 per day. Undercover shoppers needed to judge retail and dining establishments. Experience not required. Call 1-800-558-0649/

Epperson Air Conditioning, Heating, Plumbing Electric Wish to acquire similar operating business and Assets. Call (606) 679-7476. Located at 112 W University Drive, Somerset, KY 42503 EOE & Drug Free Workplace.

320 Unfurnished Apts.
Apartment For Lease. 2 Bdr, 1 Ba, Open Floor Space. No Pets & No W/D. \$369 mo. Call 606-875-0216

Luxury New 1 Bedroom Apart. All appliances. Private deck, Storage rooms. \$530/month. No pets. 679-2701

Apartments for rent: 1&2 bdrms available Excellent locations in town. Utilities included at some locations. Low income family &/or Elderly Housing 62 yrs. of age or older. Handicapped/disabled regardless of age. Equal Housing Opportunity. 606-678-5110 TDD: 800-247-2510

325 Duplexes:Furn / Unf.

2br, 2 ba, w/garage, nice yard, no hud, no pets. \$525 per mo. 606-451-8811

340 Mobile Homes

For Rent- 3 bedroom mobile home \$350. month &\$150. deposit, big yard, sand Hill 376-3798 or 606-310-3302

Estate for Sale

420 Mobile Homes

GOVERNMENT FUNDS AVAILABLE! Zero Down if you have a deed to property or relatives property. Easy financing!!! 606-678-8134

FIRST TIME HOME BUYERS... SOCIAL SECURITY... SSI INCOME! WE CAN FINANCE WITH OUR SPECIAL LOW PAYMENT PROGRAMS! Zero down with a deed to property or Cash Down As Little As \$3000!!! 606-678-8135

460 Real Estate Wanted

We Pay Cash for Land

Wanted- Good Hunting grounds- rough wooded land and other ground- 50 ac to 1,000 ac and up. call Marion 270-422-2444

900 Notices

910 Land Posted

A THE FOLLOWING PROPERTIES HAVE BEEN POSTED NO TRESPASSING NO HUNTING, NO FISHING, NOT LIABLE FOR ANY ACCIDENTS OR INJURIES THAT MAY OCCUR.

ABBOTT, Ernest & Charlene- Approx. 15 acres, house & 2 garages on 1419 Vanover Ridge Rd., Parkers, Lake 07/09

BALL, Leamon- Approx. 51 acres off Kidd School Rd. 2/09

BALL, Geneva-105 acres & 115 acre farm at Holly Hill. 01/15/09

BOWMAN, Ora & Loretta- Approx 2 acres on Woods Rd no trespassing at any time. 03/09

BRUMETT,-Brummett Property on Foster Rd. 01/09

Bryant, Dorman Approx 27 Acres & pond. 7 miles down Sandhill rd. 1 mile down Hen's Nest Rd. 3/09

CADDELL, George & Daisy-150+ acres, Holly Hill, Bethel Rd. & Bethel Ridge. Also 375+ acre son both sides Rt. 92, directly east of 3C Rd. 01/2009

CAMPBELL, CLINTON & VICKIE Approx. 5.1 acres on 145 Hobert Perkins Rd 1/09

COFFEY, Flora
Approx 5 & 9/10 acres on Doc West Rd., Stearns 07/09

CONSTANT, Jay- Approx 6 acres located on Mary Shadoan Rd & Constant Lane. No Hunting, No Fishing, No trespassing 10/09

CORDELL, Lenville- Land & 3 ponds, Day Ridge Rd. 01/09

COX, Dorothy- 25 acres & pond, Hwy KY 478 .05/09

Cox, Lanny & Mary- Approx 2 acres on N. Hwy 27 on Dixie Lane. 12/08

CRABREE, Chris & LaRhonda- Approx 9.10 acres of WCC Rd., just Roundtop Rd. 08/09

CRABTREE, Brian & Lisa Approx. 2 acres on Bob Musgrove Rd. Pool & Property. 07/09

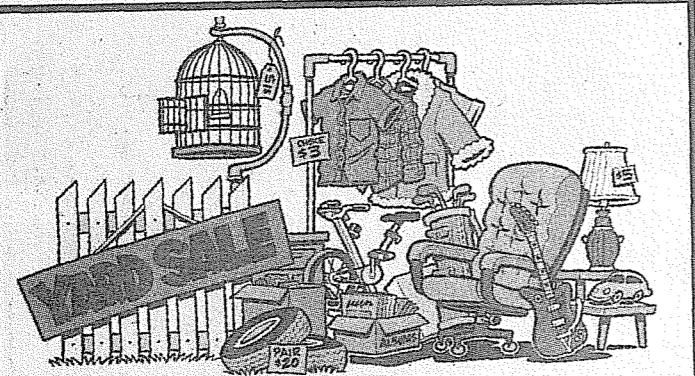
CRABTREE, Randy & Lannette- Approx 4 1/2 acres at the end of Fed Stephens Rd. Pine Knot 07/09

CRABTREE, Randy & Lannette- Approx 9.10 acres on WCC Rd just off Raoundtop Rd. Strunk 08/09

DAUGHERTY, Stanley & Rosemary- Approx 28 acres on Wilson Ridge Rd. 08/09

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 (Cumbriand Falls Cell Site). The facility is a 130 foot tower and an equipment shelter to be located at 774 Herman Vanover Road, Parkers Lake, Kentucky, 42634. 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. 2008-00363 in your correspondence.

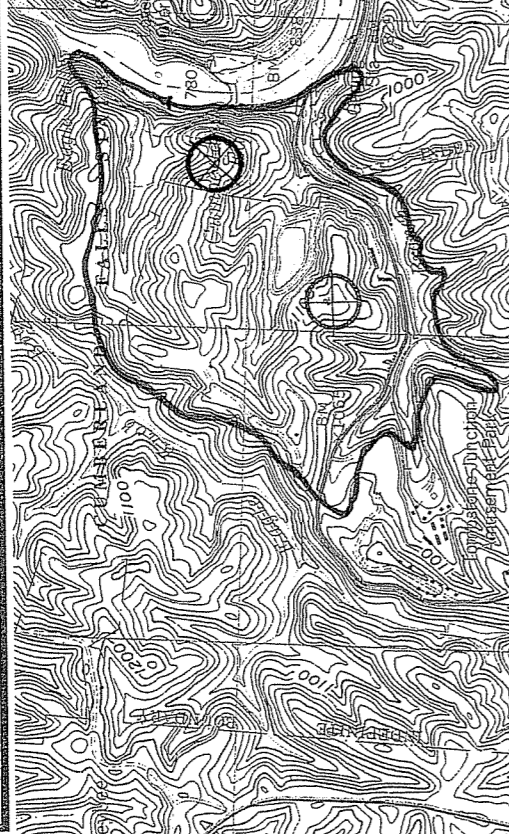


To have your ad placed in the "Yard Sale Directory" Call 606-376-5357 All ads must be prepaid. If you have to cancel, due to weather, we'll rerun your ad FREE

Fri., & Sat, Nov. 7 & 8
Stephens Farm Rd, Whitley City
MOVING SALE - Friday, 9 am-5 pm & Saturday, 8 am-noon at end of Stephens Farm Rd. Furniture, riding mower, kitchen table & chairs, clothes, toys & much more.

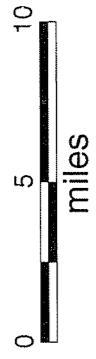
Search Area Map

7.5 Minute Map:	Cumberland Falls, KY Quadrangle
Site Name:	Cumberland Falls
Latitude:	36-50-9.4 N
Longitude:	84-21-8.8 W
Ground Elevation:	1120' (AMSL)
Tower Height:	255' AGL
Note:	Minimum GE is 1100 ft AMSL

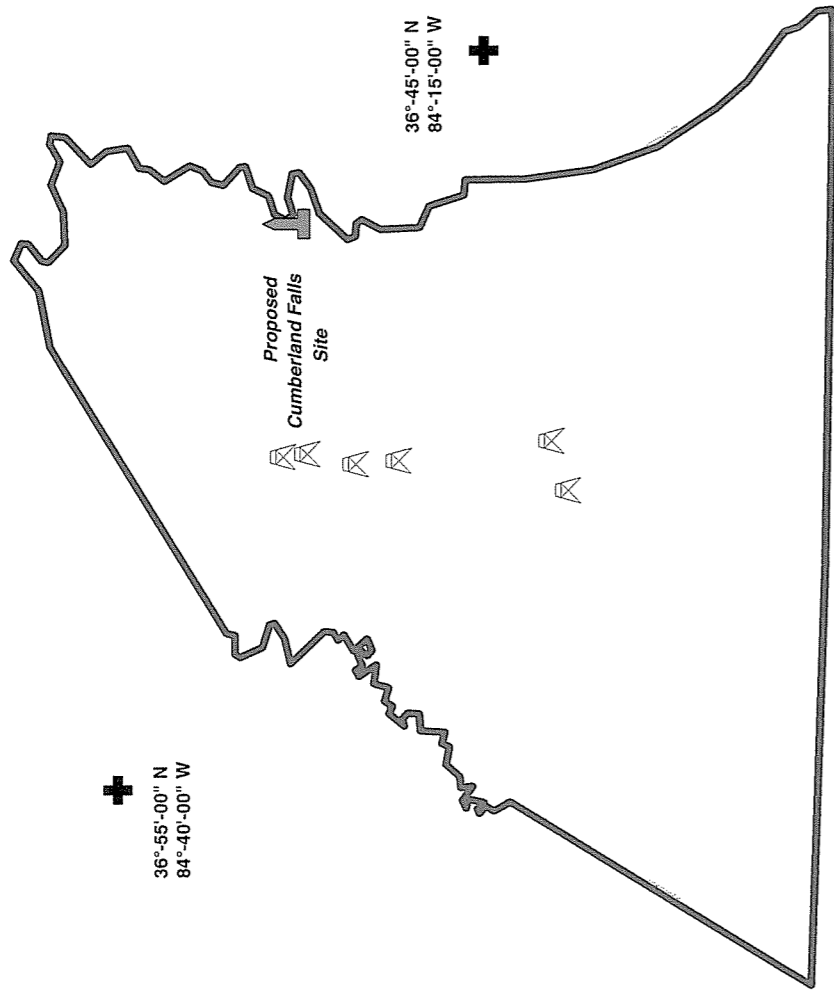


Site Candidate Information

7.5 Minute Map:	Cumberland Falls, KY Quadrangle
Site Name:	Cumberland Falls ⊗
Latitude:	36-50-21.04 N
Longitude:	84-20-51.31 W
Ground Elevation:	1110' (AMSL)
Tower Height:	255' AGL



36°-55'-00" N
84°-40'-00" W



	McCreary County Boundary
	Wireless Tower locations Registered with the FCC
	Proposed Tower Location
	Tick Marks

Prepared By LNGS Engineering 9/10/2008

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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1032038	36-49-48	84-28-38	Greenwood, KY	NORFOLK SOUTHERN CORPORATION
1042231	36-43-12	84-28-13	Whitley City, KY	Global Tower, LLC
1043060	36-42-45	84-29-53	Whitley City, KY	CUMBERLAND CELLULAR PARTNERSHIP DBA = BLUEGRASS CELLULAR
1043464	36-48-29	84-28-59	Whitley City, KY	DukeNet Communication Services, LLC
1233359	36-50-27.1	84-28-44.2	Parkers Lake, KY	Optasite Towers LLC
1258597	36-47-19.7	84-28-52	Whitley City, KY	CUMBERLAND CELLULAR PARTNERSHIP DBA = BLUEGRASS CELLULAR