

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

**RECEIVED**

JUL 1 1 2006

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 (SYCAMORE FLATS) IN RURAL  
SERVICE AREA #5 (RUSSELL) OF THE COMMONWEALTH  
OF KENTUCKY**

**CASE NO. 2006-00146**

**APPLICATION FOR A CERTIFICATE  
OF PUBLIC CONVENIENCE AND NECESSITY (SYCAMORE FLATS)**

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 Sycamore Flats 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(l) and (3), and 807 KAR 5:063, Cumberland Cellular states that it is a Kentucky limited liability company 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 applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit "A". Written authorizations from these agencies will be supplied to the Commission upon their 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 Sycamore Flats 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 Sycamore Flats 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 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 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 Russell 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 Russell 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, is Exhibit "T".

20. Pursuant to 807 KAR 5:063 § 1(1)(r), the cell site, which has been selected, is in a relatively undeveloped area in Russell Springs, 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  
1400 PNC Plaza  
500 West Jefferson Street  
Louisville, KY 40202  
(502) 540-2300  
*selent@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 Sycamore Flats cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



---

John E. Selent  
**DINSMORE & SHOHL, LLP**  
1400 PNC Plaza  
500 West Jefferson Street  
Louisville, KY 40202  
(502) 540-2300  
(502) 540-2207  
*john.selent@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  
B. LYNN F. RATNAVALE\*  
TODD SLAMOWITZ\*  
STEVEN M. CHERNOFF\*

CONSULTING ENGINEERS  
ALI KUZEHKANANI  
LEROY A. ADAM  
LEILA REZANAVAZ  
SUMEET K. BHALOTIA  
OF COUNSEL  
JOHN J. MCAVOY\*  
J.K. HAGE III\*  
LEONARD S. KOLSKY\*  
HON. GERALD S. MCGOWAN\*  
TAMARA DAVIS-BROWN\*

\*NOT ADMITTED IN VA

June 7, 2006

## Via Federal Express

Mr. John Houlihan  
Kentucky Airport Zoning Commission  
200 Mero Street  
Frankfort, Kentucky 40622

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 (Sycamore Flat) near Russell Springs, Kentucky. The Structure, including top-mounted antennas will have an overall height of 255 feet Above Ground Level.

**The original ASN number for this tower is AS-104-K24-06-049. The tower location has moved slightly and as a result I re-filed with the FAA and your office.**

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 copy of the 1A Certification survey.

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

Sincerely,

  
Leila Rezanavaz  
Consulting Engineer

Enclosures

CC: Scott McCloud

(703)584-8668

FACSIMILE

(703) 584-8692

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

AS-104-K24-06-049

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: [X] New Construction [ ] Alteration [ ] Existing

4. Duration: [X] Permanent [ ] Temporary (Months \_\_\_\_\_ Days \_\_\_\_\_)

5. Work Schedule: Start 7/15/06 End 7/20/06

6. Type: [X] Antenna Tower [ ] Crane [ ] Building [ ] Power Line
[ ] Landfill [ ] Water Tank [ ] Other \_\_\_\_\_

7. Marking/Painting and/or Lighting Preferred:

[ ] Red Lights and Paint [X] Dual - Red & Medium Intensity White
[ ] White - Medium Intensity [ ] Dual - Red & High Intensity White
[ ] White - High Intensity [ ] Other \_\_\_\_\_

8. FAA Aeronautical Study Number 2006-ASO-3446-OE

9. Latitude: 37 ° 7 ' 39 44 "

10. Longitude: 85 ° 2 ' 52 72 "

11. Datum: [X] NAD 83 [ ] NAD 27 [ ] Other \_\_\_\_\_

12. Nearest Kentucky City Russell Springs, Russell

13. Nearest Kentucky public use or Military airport:
Russell County Airport

14. Distance from #13 to Structure: 9 miles

15. Direction from #13 to Structure: NNE

16. Site Elevation (AMSL): 1059 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1314 Feet

19. Previous FAA and/or Kentucky Aeronautical Study Number(s):
2006-ASO-1813-OE

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 5 miles
NNE of Russell Springs, KY

21. Description of Proposal:

Structure: Tower with top-mounted antennas for overall height of
255' AGL.

Frequency: Cellular Band B

ERP: Maximum ERP of 200 watts

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

[ ] No
[X] Yes, When 6/7/06

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

Printed Name

Signature

Date

6/7/06

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:

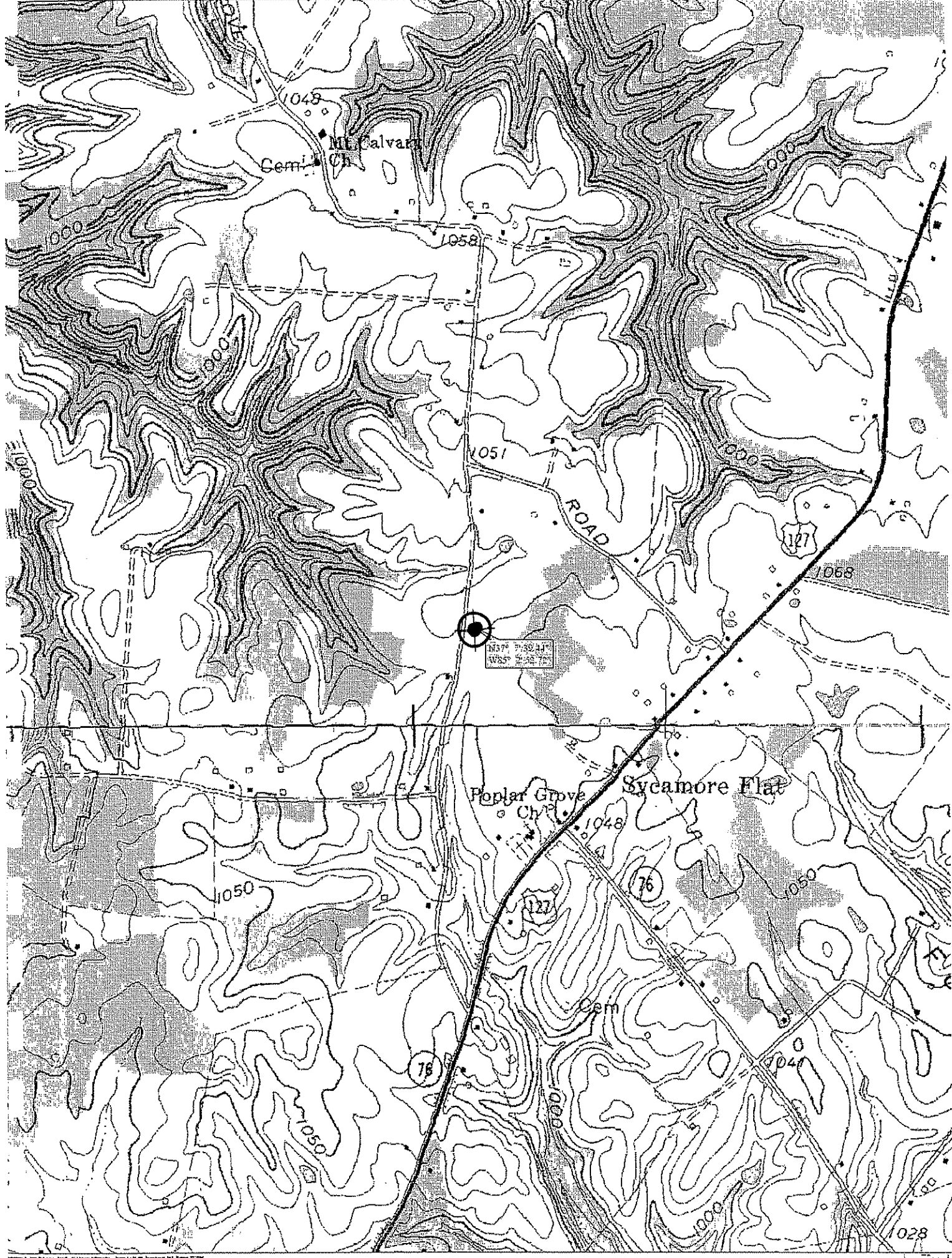
[ ] Chairman, KAZC

[ ] Administrator, KAZC

[ ] Approved

[ ] Disapproved

Date \_\_\_\_\_



Mt. Calvary  
Cem.

ROAD

N37° 53' 41"  
W85° 2' 32" W

Poplar Grove  
Cem.

Sycamore Flat

127

1068

1050

1048

127

76

1050

Cem

76

1040

1028



**BLUEGRASS CELLULAR**  
2902 Ring Road  
Elizabethtown, KY 42702

1A Letter

Date: May 25, 2006  
PSTAN Project No: 06-4019

Site Name: Sycamore Flat

For Aeronautical Study No.

Location: City Russell Springs, KY  
County Russell

U.S.G.S. Quadrangle: Dunnville, KY

(NAD 27) LATITUDE 37° 07' 39.19"  
LONGITUDE 85° 02' 52.88"

(NAD 83) LATITUDE 37° 07' 39.44"  
LONGITUDE 85° 02' 52.72"

SITE ELEVATION (NAVD 88) 1059' ± AMSL  
PROPOSED TOWER HEIGHT 240' ± FAA AGL  
TOWER HEIGHT WITH ANTENNA 255' ± FAA AGL  
OVERALL HEIGHT ELEVATION 1314' ± AMSL

I Certify, to the best of my knowledge and belief, that the horizontal and vertical datum as established from the referenced U.S.G.S. Quadrangle, is accurate to 1A Reporting requirements of ± 20 feet horizontally and ± 3 vertically.

The horizontal datum (coordinates) are in terms of the North American Datum of 1927 (NAD 27) and 1983 (NAD 83) and expressed as degrees, minutes and seconds.

The vertical datum (heights) are in terms of the National Geodetic Vertical Datum of 1988 and are determined to the nearest foot.

Kentucky State Plane Coordinates (Southern Zone) were established with Trimble Global Positioning Systems (GPS) receivers. This site has ties to the National Geodetic Reference System established by the National Geodetic Survey, formerly the U.S. Coast & Geodetic Survey by measurements to FID Station "GZ1442", designated as "TARTER 2 RM 4".

CONSULTANT



*Frank L. Sellinger II*  
Frank L. Sellinger II, P.L.S. No. 3282  
FSTAN Land Surveyors and Consulting Engineers  
2313/2315 Crittenden Drive, Louisville, Ky. 40217  
Phone: 502-635-5866 Fax: 502-636-5263

**Notice of Proposed Construction or Alteration (7460-1)**

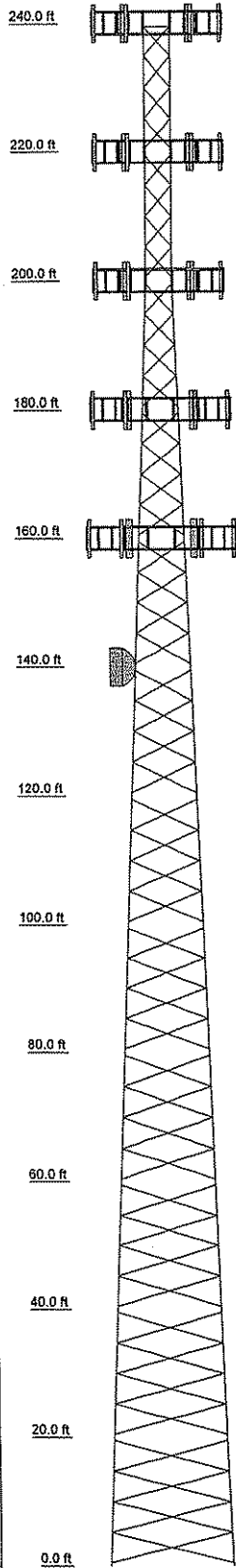
<b>Project Name:</b> BLUGR-000042143-06	<b>Sponsor:</b> Blugrass Cellular, Inc.
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**Details for Case : Sycamore Flat**

Show Project Summary

<b>Case Status</b>																					
<b>ASN:</b> 2006-ASO-3446-OE	<b>Date Accepted:</b> 06/07/2006																				
<b>Status:</b> Accepted	<b>Date Determined:</b>																				
	<b>Letters:</b> None																				
<b>Construction / Alteration Information</b>																					
<b>Notice Of:</b> Construction	<b>Structure Summary</b>																				
<b>Duration:</b> Permanent	<b>Structure Name:</b> Sycamore Flat																				
<i>if Temporary :</i> Months: Days:	<b>Structure Type:</b> Tower																				
	<b>Other :</b>																				
<b>Work Schedule - Start:</b> 07/15/2006	<b>FCC Number:</b>																				
<b>Work Schedule - End:</b> 07/20/2006	<b>Prior ASN:</b> 2006-ASO-1813-OE																				
<b>State Filing:</b> Filed with State																					
<b>Structure Details</b>																					
<b>Latitude:</b> 37° 7' 39.44" N	<b>Common Frequency Bands</b>																				
<b>Longitude:</b> 85° 2' 52.72" W	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Low Freq</th> <th>High Freq</th> <th>Freq Unit</th> <th>ERP</th> <th>ERP Unit</th> </tr> </thead> <tbody> <tr> <td>824</td> <td>849</td> <td>MHz</td> <td>500</td> <td>W</td> </tr> <tr> <td>851</td> <td>866</td> <td>MHz</td> <td>500</td> <td>W</td> </tr> <tr> <td>869</td> <td>894</td> <td>MHz</td> <td>500</td> <td>W</td> </tr> </tbody> </table>	Low Freq	High Freq	Freq Unit	ERP	ERP Unit	824	849	MHz	500	W	851	866	MHz	500	W	869	894	MHz	500	W
Low Freq	High Freq	Freq Unit	ERP	ERP Unit																	
824	849	MHz	500	W																	
851	866	MHz	500	W																	
869	894	MHz	500	W																	
<b>Horizontal Datum:</b> NAD83	<b>Specific Frequencies</b>																				
<b>Site Elevation (SE):</b> 1059 (nearest foot)																					
<b>Structure Height (AGL):</b> 255 (nearest foot)																					
<b>Marking/Lighting:</b> Dual-red and medium intensity																					
<i>Other :</i>																					
<b>Nearest City:</b> Russell Springs																					
<b>Nearest State:</b> Kentucky																					
<b>Traverseway:</b> No Traverseway																					
<b>Description of Location:</b> The tower is located 5.0 miles NNE of Russell Springs, KY																					
<b>Description of Proposal:</b> Proposed tower with overall height of 255'. Please terminate the old study number and proceed with this application																					

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	
Legs	SR 1 3/4	SR 2 1/4	SR 2 1/2	SR 2 3/4	SR 3	SR 3 1/2	SR 3 1/4	SR 3 1/4	SR 3 3/4	SR 3 3/4	SR 3 3/4	SR 4	
Leg Grade	L1 3/4x1 3/4x3/16												
Diagonals	L2 1/2x2 1/2x3/16												
Diagonal Grade	A36												
Top Girts	N.A.												
Face Width (ft)	5.5	7	8.5	10	11.5	14	14.5	16	17.5	17.5	17.5	17.5	15
# Panels @ (ft)	0.9	1.2	1.4	1.6	2.0	2.3	2.6	3.0	3.1	3.7	3.5	4.0	30.4
Weight (K)	48 @ 4.75												



### DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
(6) D100-0042-0041	240	(6) RWB 80014/120 (Future)	180
Lightning Rod 1"x10' (Initial)	240	(3) T frame sector Mount (Future Carrier 3)	180
Flash Beacon Lighting (Initial)	240	(6) RWB 80014/120 (Future)	160
(3) T frame sector Mount (Initial)	240	(3) T frame sector Mount (Future Carrier 4)	160
(6) RWB 80014/120 (Future)	220	HPS-122	140
(3) T frame sector Mount (Future Carrier 1)	220		
(6) RWB 80014/120 (Future)	200		
(3) T frame sector Mount (Future Carrier 2)	200		

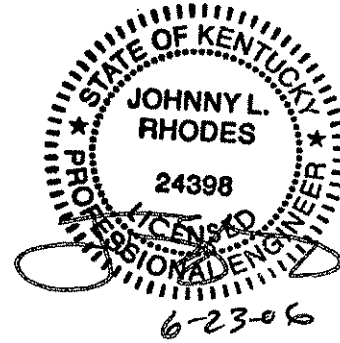
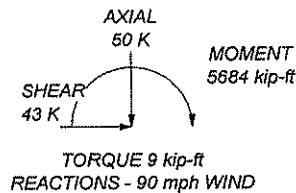
### MATERIAL STRENGTH

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

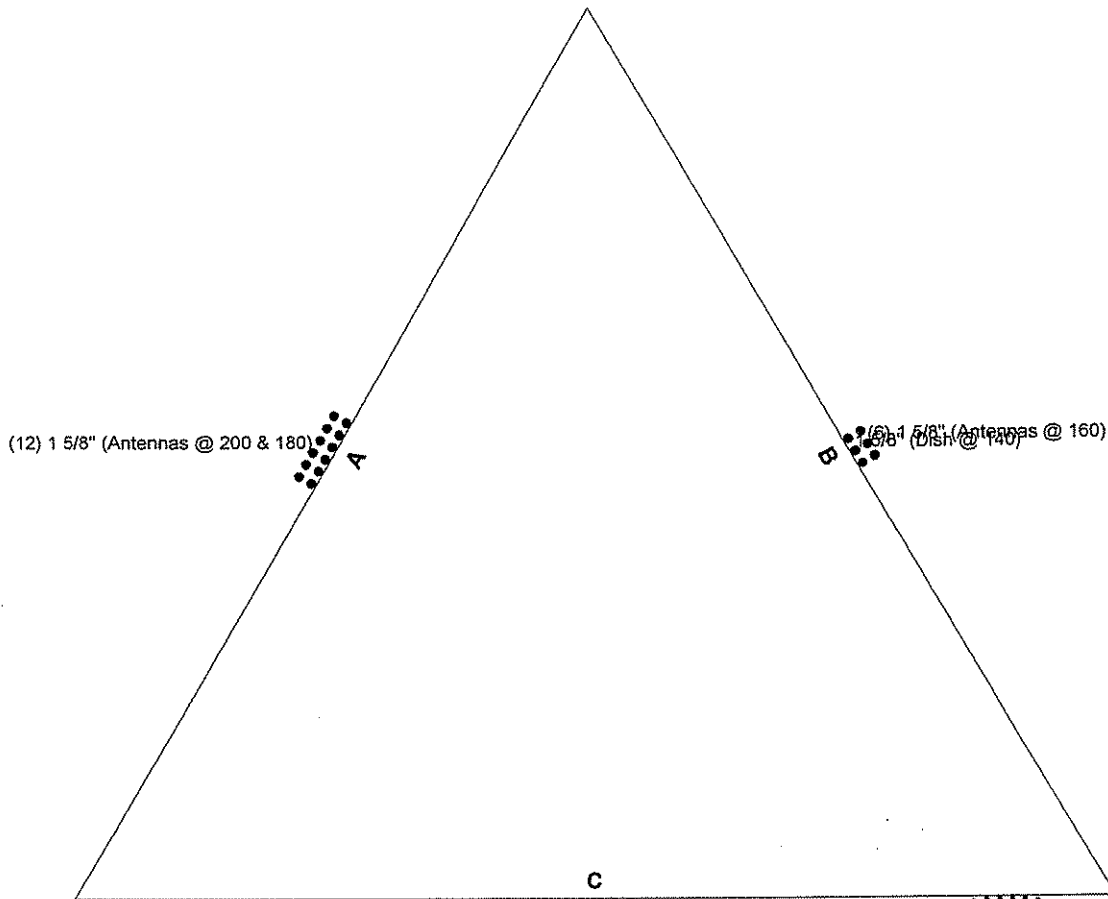
### TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-G Standard.
2. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
3. Deflections are based upon a 60 mph wind.
4. Tower designed as Structure Class I
5. Tower designed as Topo Category 3 w/ Crest Height of 100 ft
6. In no case shall more than (6) lines be exposed to wind. Feedlines may be stacked in up to (2) rows on the inside and outside face of the tower.

MAX PIER FORCES:  
 DOWN: 362 K  
 UPLIFT: -321 K  
 SHEAR: 26 K



<b>Eastpointe Engineering Group, LLC</b> 4020 Tull Ave. Muskogee, OK 74403 Phone: 918.683.2169 FAX: 918.682.7618	<b>Job: Ell Job #2171-Sycamore Flat II</b>
	<b>Project: 240' SST/Casey County, KY</b>
	Client: Bluegrass Cellular   Drawn by: Johnny L. Rhodes, P.E.   App'd:
	Code: TIA-222-G   Date: 06/23/06   Scale: N
	Path: Z:\04\file\Drawings\Jobs\2100-2198\1110\Towers\Design\Sycamore Flat\240\ell.dwg   Dwg No. 1



(12) 1 5/8" (Antennas @ 200 & 180)



A



B

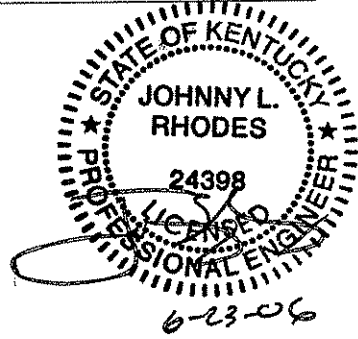
(6) 1 5/8" (Antennas @ 160)

(1) 9" Dish @ 140



C

(12) 1 5/8" (Antennas @ 240 & 220)

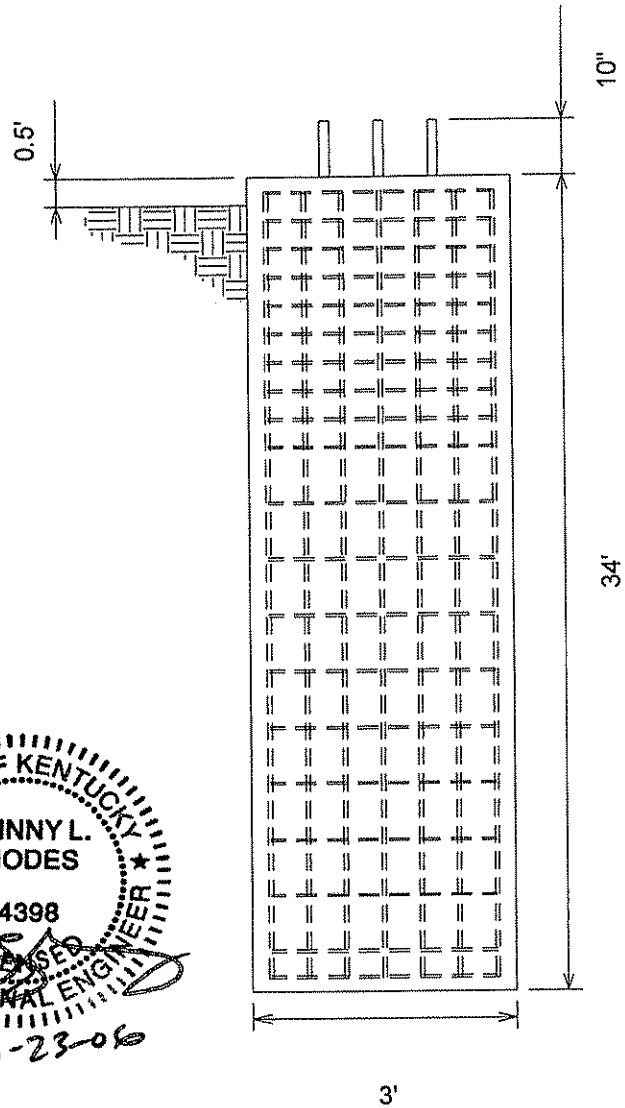


**Eastpointe Engineering Group, LLC**  
 4020 Tull Ave.  
 Muskogee, OK 74403  
 Phone: 918.683.2169  
 FAX: 918.682.7618

Job: <b>EII Job #2171-Sycamore Flat II</b>	
Project: <b>240' SST/Casey County, KY</b>	
Client: <b>Bluegrass Cellular</b>	Drawn by: <b>Johnny L. Rhodes, P.E.</b>
Code: <b>TIA-222-G</b>	Date: <b>06/23/06</b>
Path:	Dwg No. [ ]
<small>Z:\Cm\Box\Drawings\Library\2100-2199\2171\Final Tower Declan Sycamore Flat240.dwg</small>	

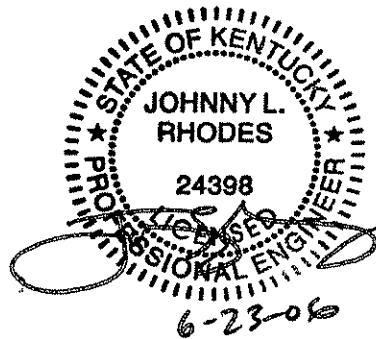
# CAISSON DESIGN

Vertical Bars	(12) #9 bars, 33.5' 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 #57067459G Dated 06/12/06  
 Use (6) 1 1/2" x 72" 50ksi anchor bolts

<b>EASTPOINTE ENGINEERING GROUP, LLC</b> 4020 Tull Ave. Muskogee, OK 74403--Phone 918.683.2169--Fax:918.682.7618	Client: <b>Bluegrass Cellular</b>	
	Site: <b>Sycamore Flat II</b>	
	Job: 2171	Drawn by: JLR
	Scale: NTS	Date: 06/23/06



**GEOTECHNICAL ENGINEERING REPORT**

**PROPOSED SYCAMORE FLAT 2 TELECOMMUNICATION TOWER  
DAMRON CREEK ROAD  
RUSSELL SPRINGS, KENTUCKY**

**TERRACON PROJECT NO. 57067459G  
June 12, 2006**

*Prepared For:*

**BLUEGRASS CELLULAR PARTNERSHIP  
Louisville, Kentucky**

*Prepared by:*

**Terracon**  
Louisville, Kentucky

**Terracon**

June 12, 2006

**Terracon**  
Consulting Engineers & Scientists

Mr. Doug Updegraff  
Bluegrass Cellular Partnership  
2902 Ring Road  
Elizabethtown, Kentucky 42702

4545 Bishop Lane, Suite 101  
Louisville, Kentucky 40218  
Phone 502.456.1256  
Fax 502.456.1278  
www.terracon.com

Attn: Mr. Doug Updegraff

**Re: Geotechnical Engineering Report  
Proposed Sycamore Flat 2 Telecommunication Tower  
Damron Creek Road  
Russell Springs, Kentucky  
Terracon Project No. 57067459G**

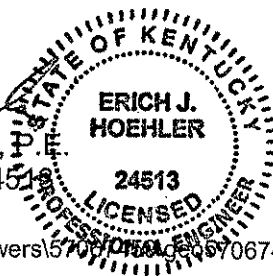
Dear Mr. Updegraff:

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

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

Sincerely,  
**Terracon**

*EJ Hoehler*  
Erich J. Hoehler, P.E.  
Kentucky No. 24513



*Timothy G. LaGrow*  
Timothy G. LaGrow, P.E.  
Regional Manager

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Attachments: Geotechnical Engineering Report

Copies: (4) Addressee



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# GEOTECHNICAL ENGINEERING REPORT

## PROPOSED SYCAMORE FLAT 2 TELECOMMUNICATION TOWER DAMRON CREEK ROAD RUSSELL SPRINGS, KENTUCKY TERRACON PROJECT NO. 57067459G June 12, 2006

### 1.0 INTRODUCTION

The purpose of this report is to describe the subsurface conditions encountered in the boring, analyze and evaluate the test data, and provide recommendations regarding the design and construction of the foundations and earthwork for the proposed tower. One boring extending to a depth of about 41 feet below the existing ground surface was drilled at the site. An individual boring log and a boring location plan are included with this report.

### 2.0 PROJECT DESCRIPTION

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

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

A small, lightly loaded equipment building will also be constructed. Wall and floor loads for this building are not anticipated to exceed 1 kip per linear foot and 100 pounds per square foot, respectively. The tower compound is located on the east side of Damron Creek Road. The compound is located in a grass covered pasture with approximately 2 feet of elevational relief within the tower compound. Based on the existing site grades and the type of construction, we anticipate that less than two feet of cut and/or fill will be required to reach the planned site grades.

### 3.0 EXPLORATION PROCEDURES

#### 3.1 Field Exploration

The subsurface exploration consisted of drilling and sampling one boring at the site to a depth of about 41 feet below existing grade. The boring was advanced at the center of the tower, staked by the project surveyor. Ground surface elevations were not available at the time of this report and have been omitted from the boring log. The location of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

The boring was drilled with an ATV-mounted rotary drill rig using hollow stem augers to advance the borehole. Representative soil samples were obtained by both the split-barrel and thin-walled tube sampling procedures in general accordance with the appropriate ASTM standard. In the split-barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split-barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a 140-pound hammer with a free fall of 30 inches, is the standard penetration resistance (SPT) value (N-Value). This value is used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils. In the thin-walled tube sampling procedure, a thin-walled, seamless steel tube with a sharp cutting edge is pushed hydraulically into the soil to obtain a relatively undisturbed sample of cohesive or moderately cohesive soil. The sampling depths, penetration distance, and standard penetration resistance values are shown on the boring log. The samples were sealed and delivered to the laboratory for testing and classification.

Auger refusal was encountered at a depth of about 31 feet below the existing ground surface. The boring was extended into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) were determined.

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

**Table 1 – Rock Quality Designation (RQD)**

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

A field log of the boring was prepared by a subcontract driller. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included

with this report represents an interpretation of the driller's field log and a visual classification of the soil samples made by the Geotechnical Engineer.

### **3.2 Laboratory Testing**

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

The laboratory testing program consisted of performing water content tests and an Atterberg Limits test on representative soil samples. A representative sample of cohesive soil, which was obtained by the thin-walled tube sampling procedure, was tested for unconfined compressive strength, water content and density. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification. Results of these tests are provided on the boring log.

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

## **4.0 EXPLORATORY FINDINGS**

### **4.1 Site Geology**

A review of the Geologic Quadrangle Map, Dunnville Quadrangle, Kentucky, published by the United States Geological Survey, indicates that the site is underlain by the Salem and Warsaw Formations. The Salem and Warsaw Formations consist of limestone and shale. The limestone is light olive gray to medium and dark gray, medium to coarse grained, thick bedded and interbedded with lenses of light olive gray to light gray silty limestone and calcareous shale. The shale is light grayish green to gray, calcareous, silty, and massive to thinly laminated. The unit is approximately 60 to 80 feet thick and is underlain by the Upper Member of the Borden Formation.

### **4.2 Subsurface Conditions**

Conditions encountered at the boring location are indicated on the boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types and the transition between materials may be gradual. Water levels shown on the boring log

represent the conditions only at the time of our exploration. Based on the results of the boring, subsurface conditions on the project site can be generalized as follows.

Underlying about 6 inches of topsoil, the boring encountered lean clay (CL) to a depth of about 10 feet below existing grade. The clay exhibited a stiff to very stiff consistency based on SPT N-Values of 11 to 16 blows per foot (bpf) and an unconfined compressive strength of 1,400 psf.

Below about 10 feet, lean clay and weathered limestone fragments or boulders were encountered to a depth of about 15 feet, decreasing in rock content from 15 feet to auger refusal at about 31 feet below grade. The SPT N-Values below 10 feet ranged from 8 bpf to 50 blows over 2 to 3 inches. The higher N-values were likely elevated due to the presence of rock fragments suspended within the soil matrix. Based on our visual classification, those soils encountered below a depth of about 18 ½ feet were saturated and appear to exhibit a soft to medium stiff consistency.

Below a depth of about 31 feet, rock coring techniques were used to advance the borehole. The core samples recovered consisted of closely jointed, slightly weathered, gray and hard limestone. The bedrock at this depth and location appears to be relatively continuous based on core recovery of 84 percent. The quality of the rock is rated at fair based on an RQD value of 73 percent. Considering the height of the tower and the quality of the bedrock, coring operations were terminated at a depth of 41 feet below grade.

#### **4.3 Groundwater Conditions**

The boring was monitored while drilling for the presence and level of groundwater. Water levels observed in the boring are noted on the boring log. While drilling, groundwater was observed in the boring at a depth of about 18 feet below existing grade. This water level observation provides an approximate indication of the groundwater conditions existing on the site at the time the boring was drilled. However, due to the low permeability of the cohesive soils encountered in the boring, longer term monitoring in cased holes or piezometers would be required for a more accurate evaluation of the groundwater conditions. The depth to groundwater could not be evaluated at completion of drilling due to the water introduced into the borehole during coring operations.

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

**5.0 ENGINEERING RECOMMENDATIONS**

Based on the encountered subsurface conditions, the tower can be constructed on drilled piers terminating in the underlying bedrock. Due to the apparent soft saturated soils encountered near the water table, we recommend that the tower not be founded on a mat foundation. The lightly loaded equipment building can be supported on shallow spread footings. Shallow foundation and drilled pier recommendations are presented in the following paragraphs.

Karst topography was not apparent on the available topographic or geologic maps. However, limestone formations are often associated with sinkhole activity and the boring advanced at the site did indicate some soil softening with depth. Because of this soil softening, we do not recommend that the tower be supported on a mat foundation.

**5.1 Tower Foundation**

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

**Table 2 - Drilled Pier Foundation Design Parameters**

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, &sub50 (in/in)
0 - 3	Topsoil and Lean Clay	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 - 31	Lean Clay	375	Ignore	1,000	0	1,000	80	0.009
31 - 41	Limestone ***	5,000	50,000	10,000	0	100,000	3,000	0.00001

\* Pier inspection is recommended to adjust pier length if variable soil/rock conditions are encountered. Based on the reported geology and results of our boring, variable bedrock depths should be expected..

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

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

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have factors of safety of 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on the boring, published correlation values and Terracon's past experience with similar soil/rock types. These values should, therefore, be considered approximate. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. Total settlement of drilled piers designed using the above parameters and founded on bedrock is not anticipated to exceed ½ inch.

The upper 3 feet of topsoil and lean clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in lateral and uplift resistance caused by variable subsurface conditions and or bedrock depths, the drawings should instruct the contractor to notify the engineer if subsurface conditions significantly different than encountered in the boring are disclosed during drilled pier installation. Considering the presence of limestone boulders in our boring and the reported geology, we expect rock depths and the degree of bedrock weathering to vary significantly between tower legs and possibly within individual drilled pier excavations. Under these circumstances, it may be necessary to adjust the overall length of the pier. To facilitate these adjustments and assure that the pier is embedded in suitable materials, it is recommended that a Terracon representative observe the drilled pier excavation.

If a bedrock socket is required, it is recommended that a minimum pier length and minimum rock socket length be stated on the design drawings. Relatively competent bedrock was encountered in the boring below a depth of about 31 feet, but could vary between tower legs or if the tower is moved from the location of the boring. If the tower center is moved from the planned location, Terracon should be notified to review the recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

A drilled pier foundation should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and possible dewatering of the pier excavation. Temporary casing will likely 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.

## **5.2 Equipment Building Foundations**

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

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

The recommended soil bearing value should be considered an upper limit, and any value less than that listed above would be acceptable for the foundation system. Using the value given, total settlement would be about 1 inch or less with differential settlements being less than 75 percent of total settlement. Footings should be placed at a depth of 2 feet, or greater, below finished exterior grade for protection against frost damage.

### **5.3 Parking and Drive Areas**

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

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

### **5.4 Site Preparation**

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

Any fill and backfill placed on the site should consist of approved materials that are free of organic matter and debris. Suitable fill material should consist of well graded crushed stone 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 considered suitable for re-use as fill. It is recommended that during construction these soils and any off-site borrow be further tested and evaluated prior to use as fill. Fill should not contain frozen material and it should not be placed on a frozen subgrade.



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

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

## 6.0 GENERAL COMMENTS

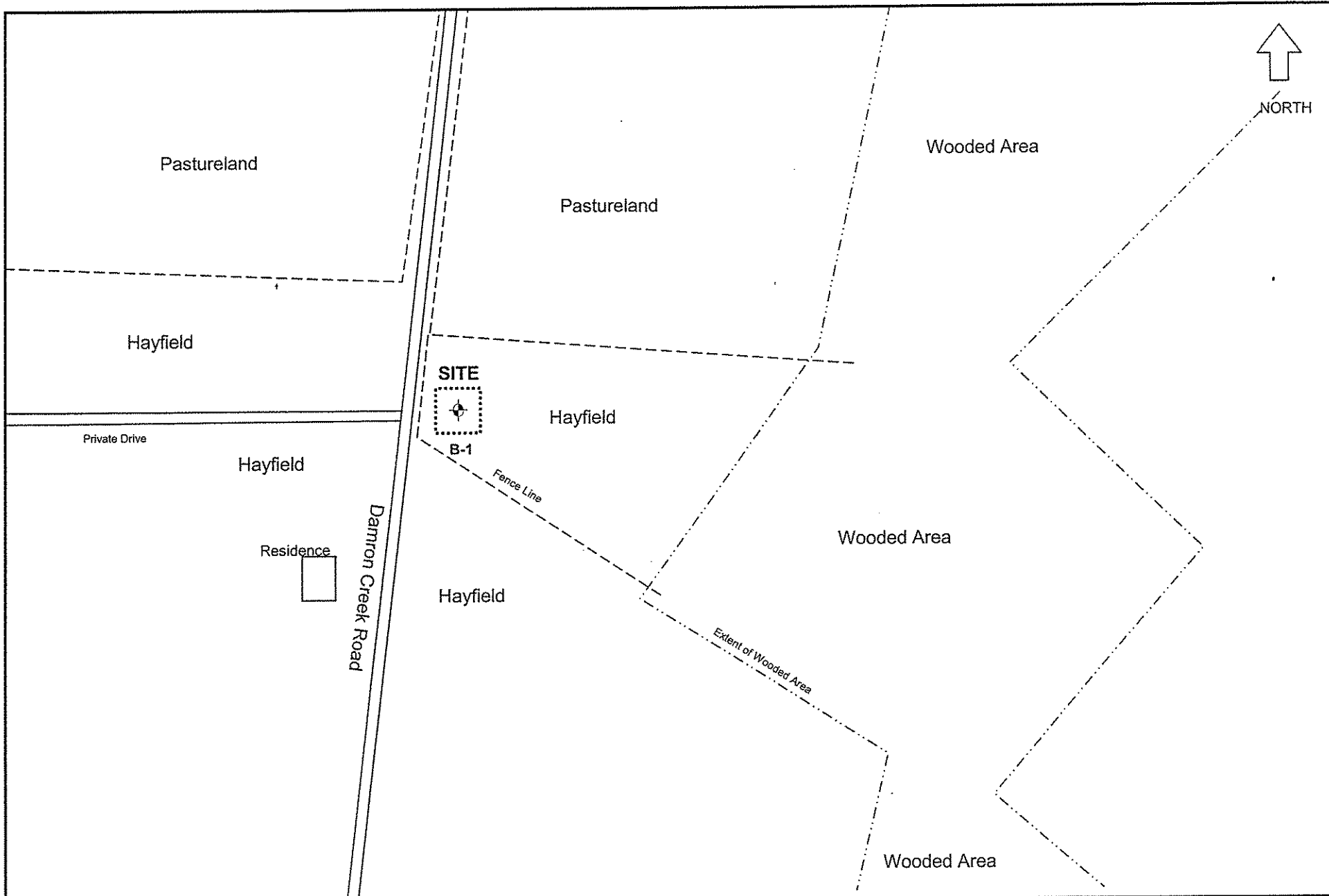
Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide testing and observation during excavation,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

The analysis and recommendations presented in this report are based upon the data obtained from the boring performed at the indicated location and from other information discussed in this report. This report does not reflect variations that may occur across the site, between tower legs 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**



**BORING LOCATION DIAGRAM**  
SCALE: NTS

**Terracon**

**Bluegrass Cellular Partnership**  
Sycamore Flat 2 Site  
Russell Springs, Kentucky  
PROJECT NO. 57067459G

# LOG OF BORING NO. B-1

CLIENT <b>Bluegrass Cellular Partnership</b>											
SITE <b>Damron Creek Road Russell Springs, Kentucky</b>		PROJECT <b>Sycamore Flat 2 Telecommunication Tower</b>									
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS			
				NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	Atterburg Limits
0.5	<b>TOPSOIL</b> <b>LEAN CLAY</b> , yellowish brown & gray, stiff to very stiff	5	CL	1	SS	18	11			5000*	LL = 31 PL = 21 PI = 10
			CL	2	SS	16	16	16		5000*	
			CL	3	SS	18	16			6000*	
			CL	4	ST	10		21	103	1400	
10	<b>LEAN CLAY</b> , with weathered rock fragments, tan to gray, stiff	10	CL	5	SS	6	50/2			1500*	
			CL	6	SS	4	50/3				
	-Saturated Below 18.5 feet										
			CL	7	SS	14	8				
			CL	8	SS	15	13				
			CL	9	SS	4	50/3				
31	<b>Auger Refusal at 31 feet, Coring Began</b> <b>LIMESTONE</b> closely jointed, slightly to completely weathered, light gray, hard			10	DB	84%	RQD 73%				
41	<b>Boring Terminated at 41 feet</b>										

BOREHOLE 99 57067459G LOGS.GPJ TERRACON.GDT 6/14/06

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

WATER LEVEL OBSERVATIONS, ft			
WL	18	WD	
WL			
WL			



BORING STARTED		6-1-06	
BORING COMPLETED		6-1-06	
RIG	CME-550	FOREMAN	MW
APPROVED	EJH	JOB #	57067459G

## GENERAL NOTES

### DRILLING & SAMPLING SYMBOLS:

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

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

### WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

#### CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 - 1,000	2-4	Soft
1,001 - 2,000	5-7	Medium Stiff
2,001 - 4,000	8-15	Stiff
4,001 - 8,000	16-30	Very Stiff
8,000+	30+	Hard

#### RELATIVE DENSITY OF COARSE-GRAINED SOILS

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

#### RELATIVE PROPORTIONS OF SAND AND GRAVEL

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

#### GRAIN SIZE TERMINOLOGY

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

#### RELATIVE PROPORTIONS OF FINES

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

#### PLASTICITY DESCRIPTION

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



## GENERAL NOTES

### Description of Rock Properties

#### WEATHERING

Fresh	Rock fresh, crystals bright, few joints may show slight staining. Rock rings under hammer if crystalline.
Very slight	Rock generally fresh, joints stained, some joints may show thin clay coatings, crystals in broken face show bright. Rock rings under hammer if crystalline.
Slight	Rock generally fresh, joints stained, and discoloration extends into rock up to 1 in. Joints may contain clay. In granitoid rocks some occasional feldspar crystals are dull and discolored. Crystalline rocks ring under hammer.
Moderate	Significant portions of rock show discoloration and weathering effects. In granitoid rocks, most feldspars are dull and discolored; some show clayey. Rock has dull sound under hammer and shows significant loss of strength as compared with fresh rock.
Moderately severe	All rock except quartz discolored or stained. In granitoid rocks, all feldspars dull and discolored and majority show kaolinization. Rock shows severe loss of strength and can be excavated with geologist's pick.
Severe	All rock except quartz discolored or stained. Rock "fabric" clear and evident, but reduced in strength to strong soil. In granitoid rocks, all feldspars kaolinized to some extent. Some fragments of strong rock usually left.
Very severe	All rock except quartz discolored or stained. Rock "fabric" discernible, but mass effectively reduced to "soil" with only fragments of strong rock remaining.
Complete	Rock reduced to "soil". Rock "fabric" not discernible or discernible only in small, scattered locations. Quartz may be present as dikes or stringers.

#### HARDNESS (for engineering description of rock – not to be confused with Moh's scale for minerals)

Very hard	Cannot be scratched with knife or sharp pick. Breaking of hand specimens requires several hard blows of geologist's pick.
Hard	Can be scratched with knife or pick only with difficulty. Hard blow of hammer required to detach hand specimen.
Moderately hard	Can be scratched with knife or pick. Gouges or grooves to ¼ in. deep can be excavated by hard blow of point of a geologist's pick. Hand specimens can be detached by moderate blow.
Medium	Can be grooved or gouged 1/16 in. deep by firm pressure on knife or pick point. Can be excavated in small chips to pieces about 1-in. maximum size by hard blows of the point of a geologist's pick.
Soft	Can be gouged or grooved readily with knife or pick point. Can be excavated in chips to pieces several inches in size by moderate blows of a pick point. Small thin pieces can be broken by finger pressure.
Very soft	Can be carved with knife. Can be excavated readily with point of pick. Pieces 1-in. or more in thickness can be broken with finger pressure. Can be scratched readily by fingernail.

#### Joint, Bedding and Foliation Spacing in Rock<sup>a</sup>

Spacing	Joints	Bedding/Foliation
Less than 2 in.	Very close	Very thin
2 in. – 1 ft.	Close	Thin
1 ft. – 3 ft.	Moderately close	Medium
3 ft. – 10 ft.	Wide	Thick
More than 10 ft.	Very wide	Very thick

Rock Quality Designator (RQD) <sup>b</sup>		Joint Openness Descriptors	
RQD, as a percentage	Diagnostic description	Openness	Descriptor
Exceeding 90	Excellent	No Visible Separation	Tight
90 – 75	Good	Less than 1/32 in.	Slightly Open
75 – 50	Fair	1/32 to 1/8 in.	Moderately Open
50 – 25	Poor	1/8 to 3/8 in.	Open
Less than 25	Very poor	3/8 in. to 0.1 ft.	Moderately Wide
		Greater than 0.1 ft.	Wide

- a. Spacing refers to the distance normal to the planes, of the described feature, which are parallel to each other or nearly so.  
b. RQD (given as a percentage) = length of core in pieces 4 in. and longer/length of run.

References: American Society of Civil Engineers, Manuals and Reports on Engineering Practice - No. 56. Subsurface Investigation for Design and Construction of Foundations of Buildings. New York: American Society of Civil Engineers, 1976.  
U.S. Department of the Interior, Bureau of Reclamation, Engineering Geology Field Manual.

# UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests<sup>A</sup>

				Soil Classification	
				Group Symbol	Group Name <sup>g</sup>
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 <sup>c</sup>	$Cu \geq 4$ and $1 \leq Cc \leq 3^e$	GW	Well-graded gravel <sup>f</sup>
			$Cu < 4$ and/or $1 > Cc > 3^e$	GP	Poorly graded gravel <sup>f</sup>
	Gravels with Fines More than 12% fines <sup>c</sup>	More	Fines classify as ML or MH	GM	Silty gravel <sup>f,g,h</sup>
			Fines classify as CL or CH	GC	Clayey gravel <sup>f,g,h</sup>
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5% fines <sup>d</sup>	$Cu \geq 6$ and $1 \leq Cc \leq 3^e$	SW	Well-graded sand <sup>i</sup>
			$Cu < 6$ and/or $1 > Cc > 3^e$	SP	Poorly graded sand <sup>i</sup>
Sands with Fines More than 12% fines <sup>d</sup>		Fines classify as ML or MH	SM	Silty sand <sup>g,h,i</sup>	
		Fines Classify as CL or CH	SC	Clayey sand <sup>g,h,i</sup>	
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 <sup>d</sup>	CL	Lean clay <sup>k,l,m</sup>
			$PI < 4$ or plots below "A" line <sup>d</sup>	ML	Silt <sup>k,l,m</sup>
		organic	$\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$	OL	Organic clay <sup>k,l,m,n</sup>
				OH	Organic silt <sup>k,l,m,o</sup>
	Silt and Clays Liquid limit 50 or more	inorganic	PI plots on or above "A" line	CH	Fat clay <sup>k,l,m</sup>
			PI plots below "A" line	MH	Elastic Silt <sup>k,l,m</sup>
		organic	$\frac{\text{Liquid limit - oven dried}}{\text{Liquid limit - not dried}} < 0.75$	OH	Organic clay <sup>k,l,m,p</sup>
				OH	Organic silt <sup>k,l,m,o</sup>
Highly organic soils	Primarily organic matter, dark in color, and organic odor			PT	Peat

<sup>A</sup>Based on the material passing the 3-in. (75-mm) sieve

<sup>B</sup>If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

<sup>C</sup>Gravels 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.

<sup>D</sup>Sands 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

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

<sup>F</sup>If soil contains  $\geq 15\%$  sand, add "with sand" to group name.

<sup>G</sup>If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

<sup>H</sup>If fines are organic, add "with organic fines" to group name.

<sup>I</sup>If soil contains  $\geq 15\%$  gravel, add "with gravel" to group name.

<sup>J</sup>If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

<sup>K</sup>If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

<sup>L</sup>If soil contains  $\geq 30\%$  plus No. 200 predominantly sand, add "sandy" to group name.

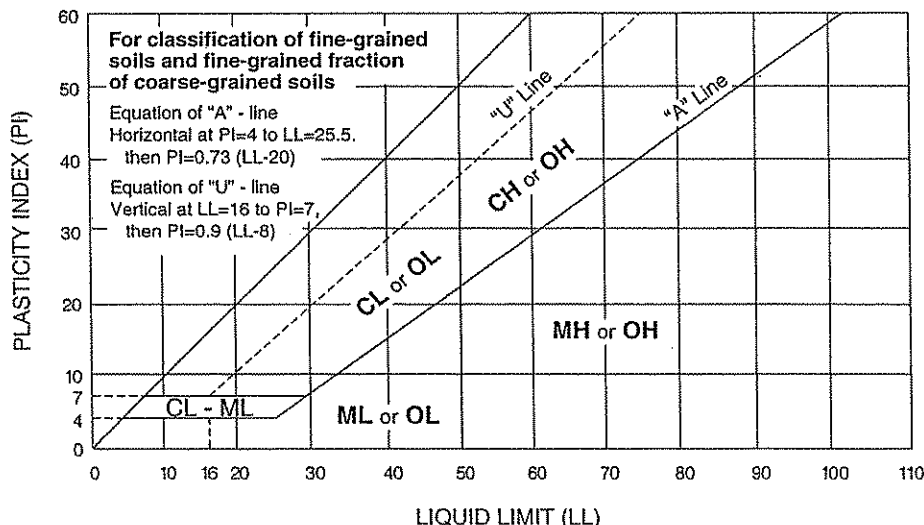
<sup>M</sup>If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

<sup>N</sup> $PI \geq 4$  and plots on or above "A" line.

<sup>O</sup> $PI < 4$  or plots below "A" line.

<sup>P</sup>PI plots on or above "A" line.

<sup>Q</sup>PI plots below "A" line.









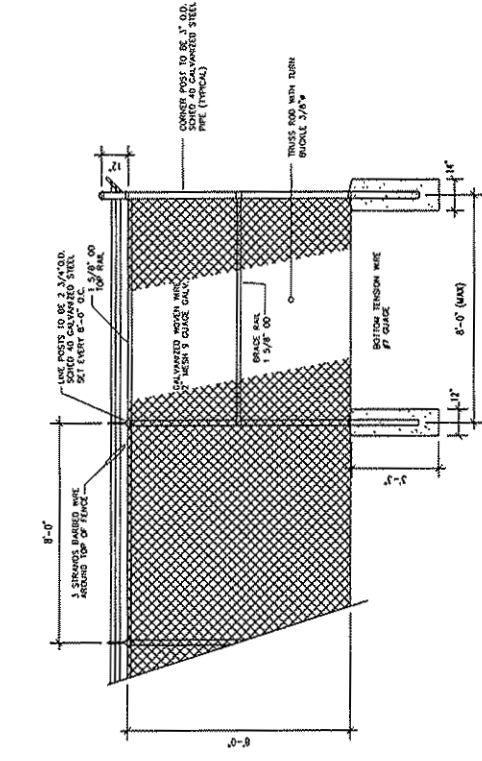




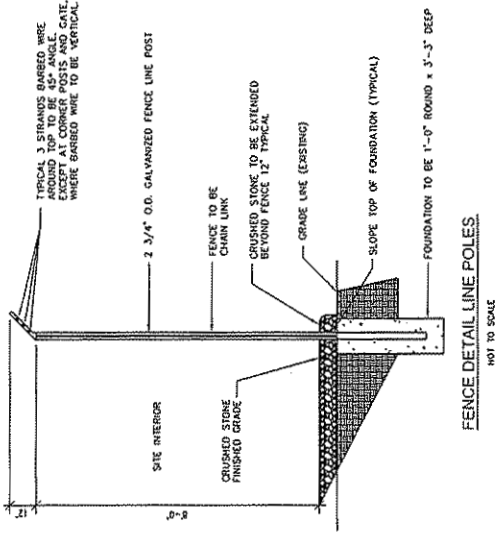
NO.	DATE	REVISION

729 DAMON CREEK RD., RUSSELL SPRINGS, KY 42642  
**STANDARD CELLULAR, INC.**  
**SYCAMORE FLAT II**

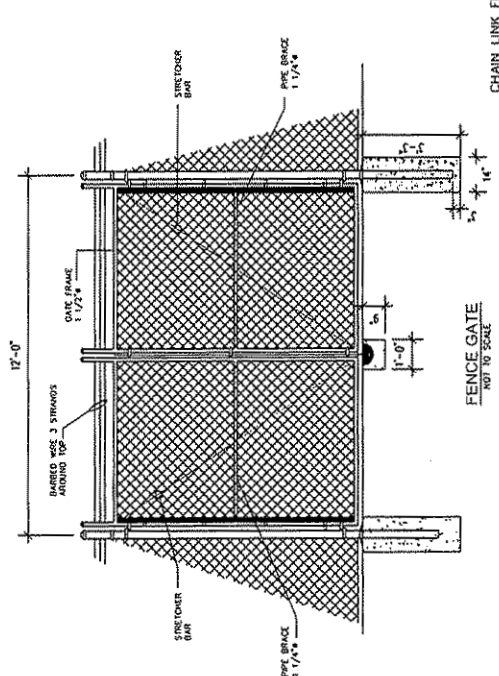
DRAWN BY: R. BECKER  
 ISSUE DATE: 6-5-06  
 LISTED SCALE: A-2  
 SHEET NUMBER: A-2



**FENCE DETAIL END POLES**  
 NOT TO SCALE

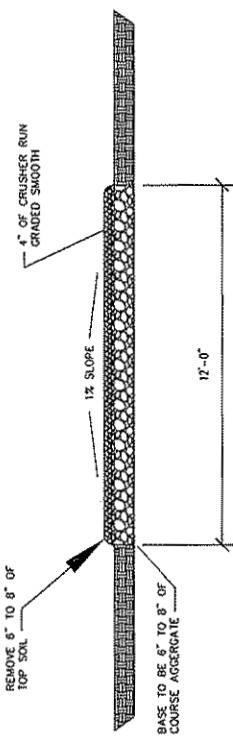


**FENCE DETAIL LINE POLES**  
 NOT TO SCALE



**FENCE GATE**  
 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 & X 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. 35 40 PIPE NOT GALVANIZED. THESE POSTS BE SET IN 2" DEEP CONCRETE FOUNDATION. CHAIN LINK SHALL BE 2" IN BELL - SHAPED CONCRETE FOOTING, CHOWNED AT TOP TO SHED WATER
  - TOP RAIL: SHALL BE 1 5/8" O.C. STANDARD PIPE NOT GALVANIZED AND SHALL BE FURNISHED IN RANDOM LENGTHS AROUNDING NOT LESS THAN 20'.
  - FABRIC: FOR ATTACHING FABRIC TO LINE POST, TOP RAIL OR TOP WIRE, SHALL BE HELICALLY WOUND AND INTERWOVEN WITH CHAIN LINK FABRIC. USED ON TOP OF RAIL EVERY 24" AND ONE POST EVERY 12'.
  - EXTENSION: CAST STEEL GALVANIZED TO ACCOMMODATE 3 STRANDS OF BARB WIRE. SINGLE END SCOPED TO 45°, AND VERTICAL ON TOP OF SING GATES.
  - BARBED WIRE: SHELL, ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS, 4 POINTS AT 3" O.C.
  - SEMI-GATE POSTS: SHALL BE 3" O.C. STANDARD HOT GALVANIZED, WEIGHING 5.79 LBS. PER FOOT.
  - GATES: 10' 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 WATER TIGHT CONSTRUCTION. FABRIC SAME AS FENCE.
  - FENCE TO BE 100% ERECTED WITHIN TEN(10) DAYS OF COMPLETION OF CONSTRUCTION. IF THE FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT MANAGER.



**ROAD DETAIL**  
 NOT TO SCALE

# BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS

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 MANAGER.

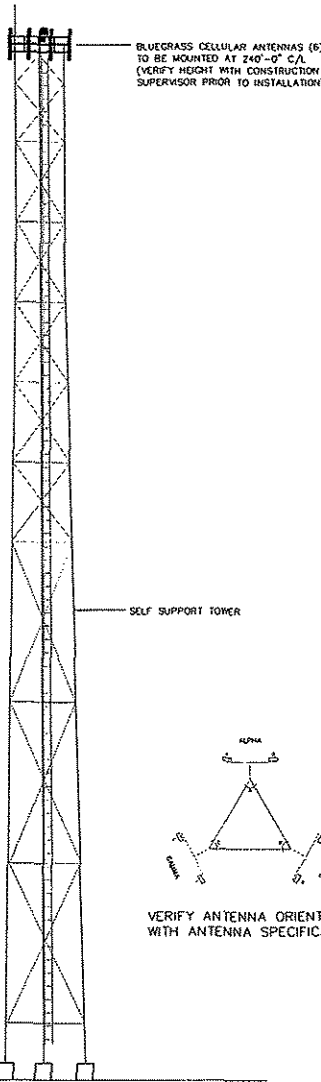
CONTRACTORS TO SUPPLY POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE & LUGS.

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



SELF SUPPORT TOWER ELEVATION (TYPICAL)

## TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

## ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	API3-890-850D ADT-XP	L=78.6 W=10.3 D=4.6	6	55°, 185°, 300°	240'-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	AZMUTH	MOUNTING HEIGHT
DISH #1					
DISH #2					

## DISH MOUNT SPECS

	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

## DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

## ANTENNA SYNOPSIS

- ANTENNAS TO HAVE A 6°E X, 3°E Y, 4°E Z
- ANTENNA FREQUENCY 880.00 - 890.00



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**SYCAMORE FLAT II**  
728 DAMRON CREEK RD. RUSSELL SPRINGS, KY 42624

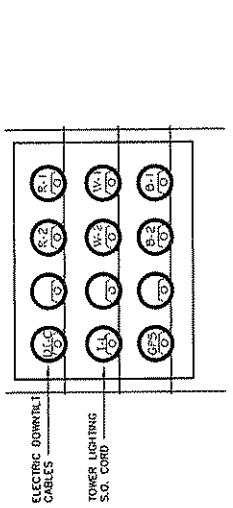
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ISSUE DATE: 6-5-06  
SCALE: LISTED  
SHEET NUMBER: ANTENNA DETAILS  
1



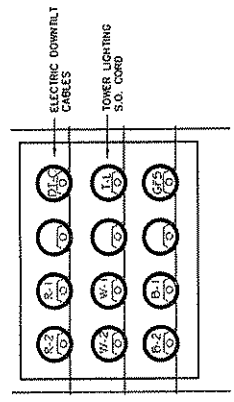
NO.	DATE	REVISION

728 DAMRON CREEK RD, RUSSELL SPRINGS, KY, 42642  
**SYCAMORE FLAT II**  
 STANDARD CELLULAR SITE  
 BLUEGRASS CELLULAR, INC.

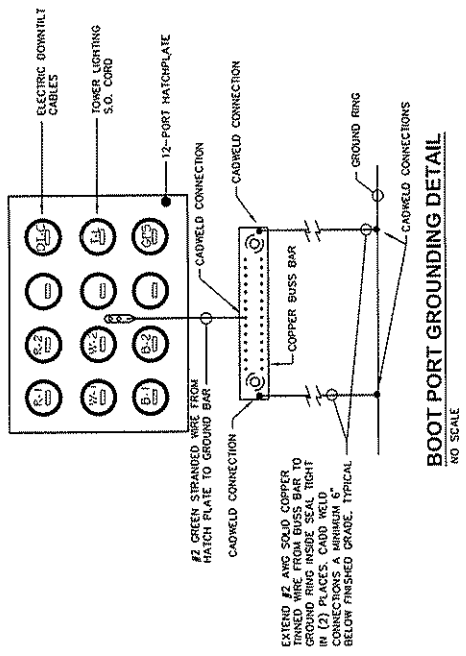
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SHEET NUMBER ANTENNA DETAILS		2



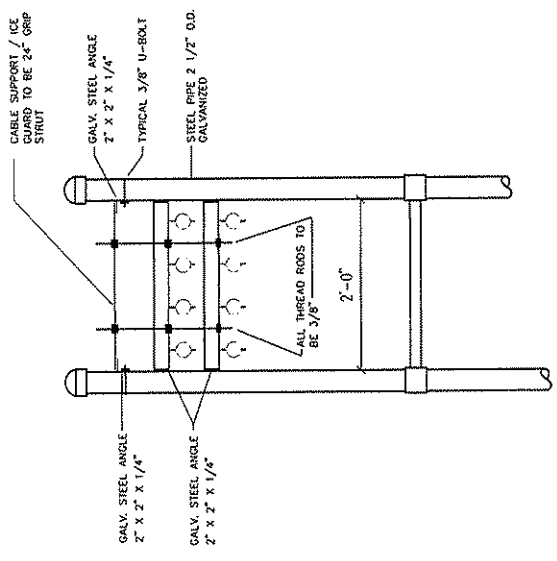
**COAX ENTRY DETAIL POWER SIDE**  
 (VIEW FROM INSIDE SHELTER)  
 NO SCALE



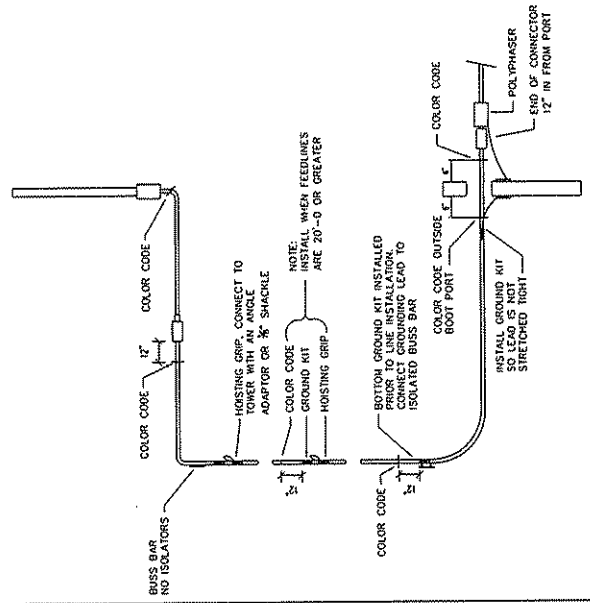
**COAX ENTRY DETAIL A/C SIDE**  
 (VIEW FROM INSIDE SHELTER)  
 NO SCALE



**BOOT PORT GROUNDING DETAIL**  
 NO SCALE



**ICE BRIDGE / COAX SUPPORT DETAIL**  
 NO SCALE



**COLOR CODING DETAIL**  
 NO SCALE



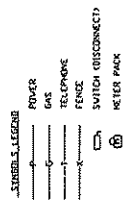
NO.	DATE	REVISION

DRAWN BY: R. BECKER  
 ISSUE DATE: 6-5-06  
 SCALE: LISTED  
 SHEET NUMBER: E-1

BLUEGRASS CELLULAR, INC.  
 STANDARD CELLULAR SITE  
 STYAMORE FLAT II  
 728 DAMRON CREEK RD., RUSSELL SPRINGS, KY, 42442

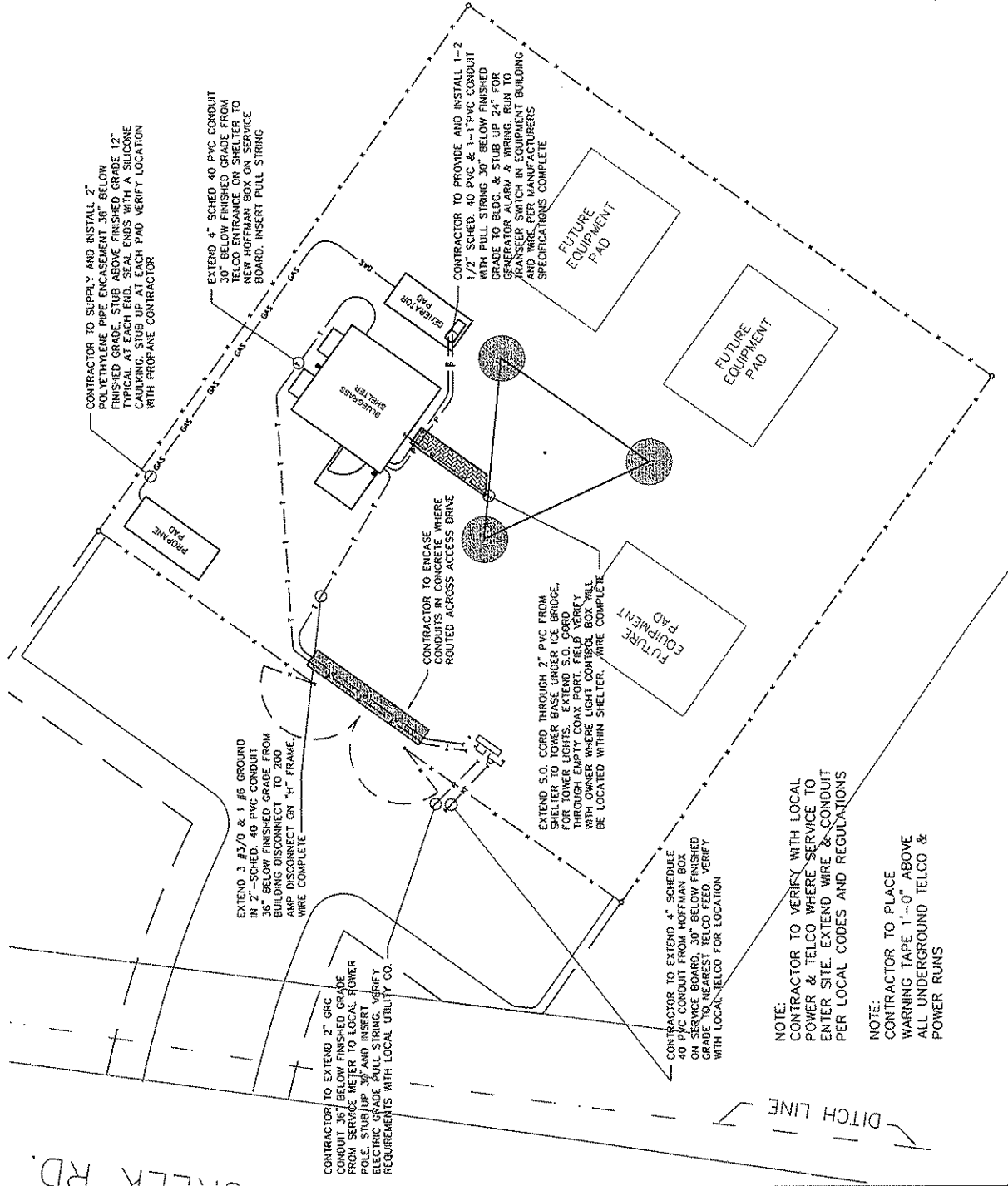
- GENERAL ELECTRICAL NOTES:**
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
  - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN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

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

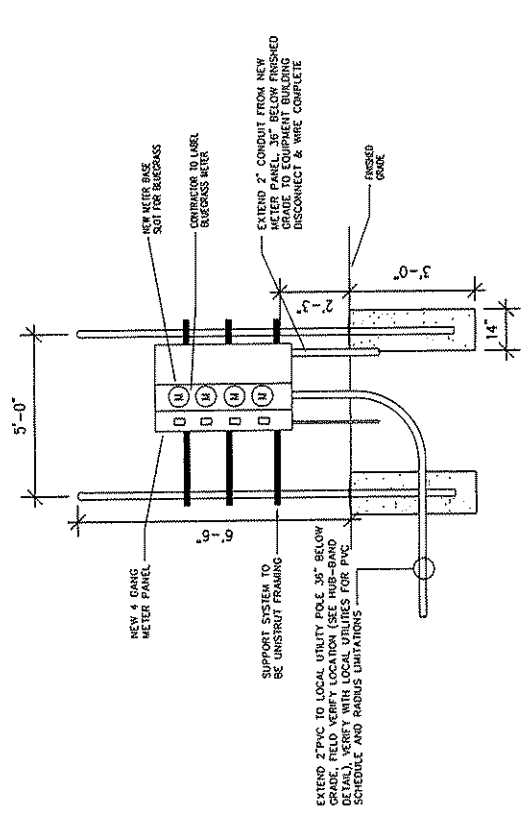


## SITE PLAN - ELECTRICAL

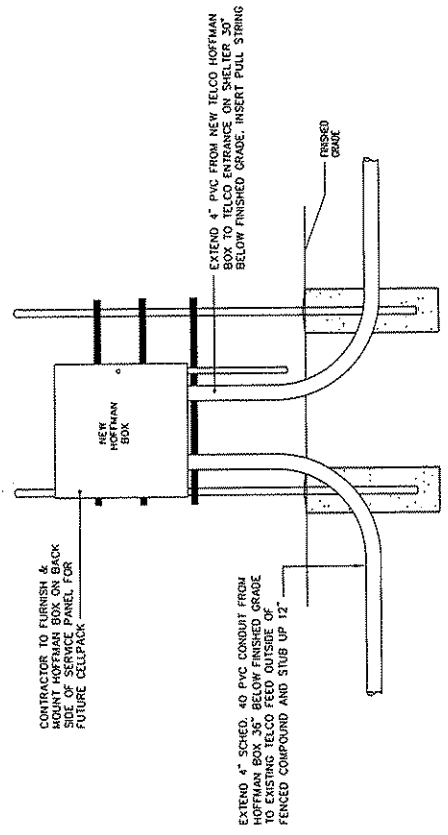
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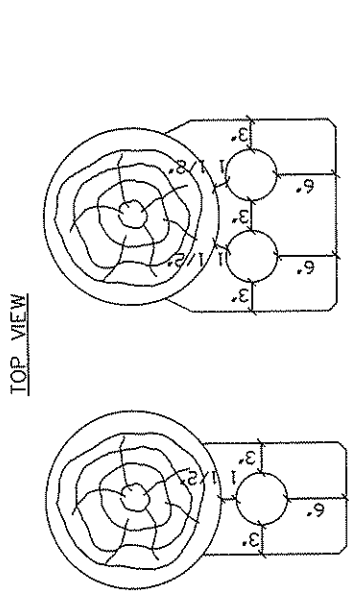
NO.	DATE	REVISION



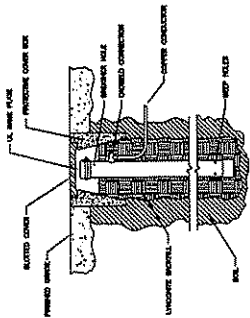
**SERVICE BOARD DETAIL**  
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**BACKBOARD DETAIL**  
 NO SCALE

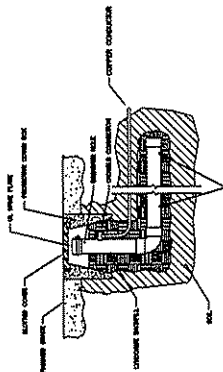


**HUB-BAND DETAIL**  
 NO SCALE



**STRAIGHT-SWIFT MODEL**  
Lyncoite XIT Grounding  
(800) 962-2610

**DETAIL "A"**

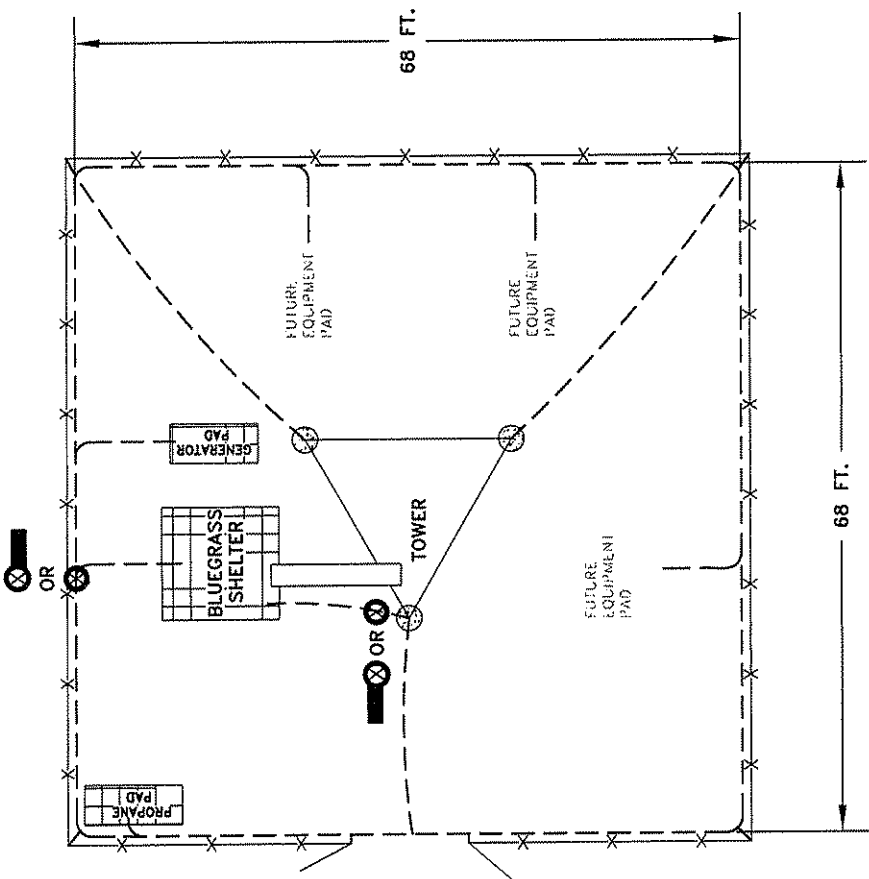


**STRAIGHT-SWIFT MODEL**  
Lyncoite XIT Grounding  
(800) 962-2610

**DETAIL "B"**

**NOTES:**

- X — FENCE LINE
- BARE #2 SOLID TINNED COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
- ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
- ⊗ K2-10CS (SEE DETAIL 'A')
- ⊗ K2L-10CS (SEE DETAIL 'B')



<b>LYNCOLE</b>		CLIENT / END USER RSB DESIGN / BLUEGRASS CELLULAR
TECHNICAL SERVICES		DRAWING PROJECT NAME SYCAMORE FLAT II
3547 VOYAGER STREET, SUITE 204 TIDBRANCE, CA. 94502 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		TITLE GROUNDING OPTION
SOIL DATA PROVIDED BY TERRACON	LOCATION: CITY, STATE RUSSEL SPRINGS, KY	CALCULATED RESISTANCE < 8 OHMS
	DRAWN BY PD	APPROVED BY DATE 06/19/2006
	REFERENCE NUMBER NA	SCALE NONE
		LTS NUMBER 060056





NO.	DATE	REVISION

729 DAMRON CREEK RD., RUSSELL SPRINGS, KY, 42662  
**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE II**

DRAWN BY:	R. BECKER
ISSUE DATE:	6-5-06
SCALE:	LISTED
SHEET NUMBER:	E-3

**GENERAL ELECTRICAL NOTES:**

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
- 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDED APPROXIMATELY 20'-0" O/C. (CADD 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 6" MINIMUM. GROUNDED CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDED TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
- 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED. AT EACH CONNECTING POINT USING LOCK WASHERS.
- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR NEG. TESTING THE SITE AND SUPPLYING CHARGER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

**NOTE:**  
 CONTRACTOR TO PROVIDE WARNING TAPE IN REARVIEW FOR ALL PERIMETER FENCING USING 3" OR 4" WIDE TAPE TO BE INSTALLED AT 9" BELOW GRADE.

**NOTE:**  
 CONTRACTOR TO FOLLOW LYNCOLE'S GROUNDED SPECIFICATIONS WHEN USING THEIR AT GROUNDED RODS. SEE DETAIL SHEET E-4.

**LEGEND:**

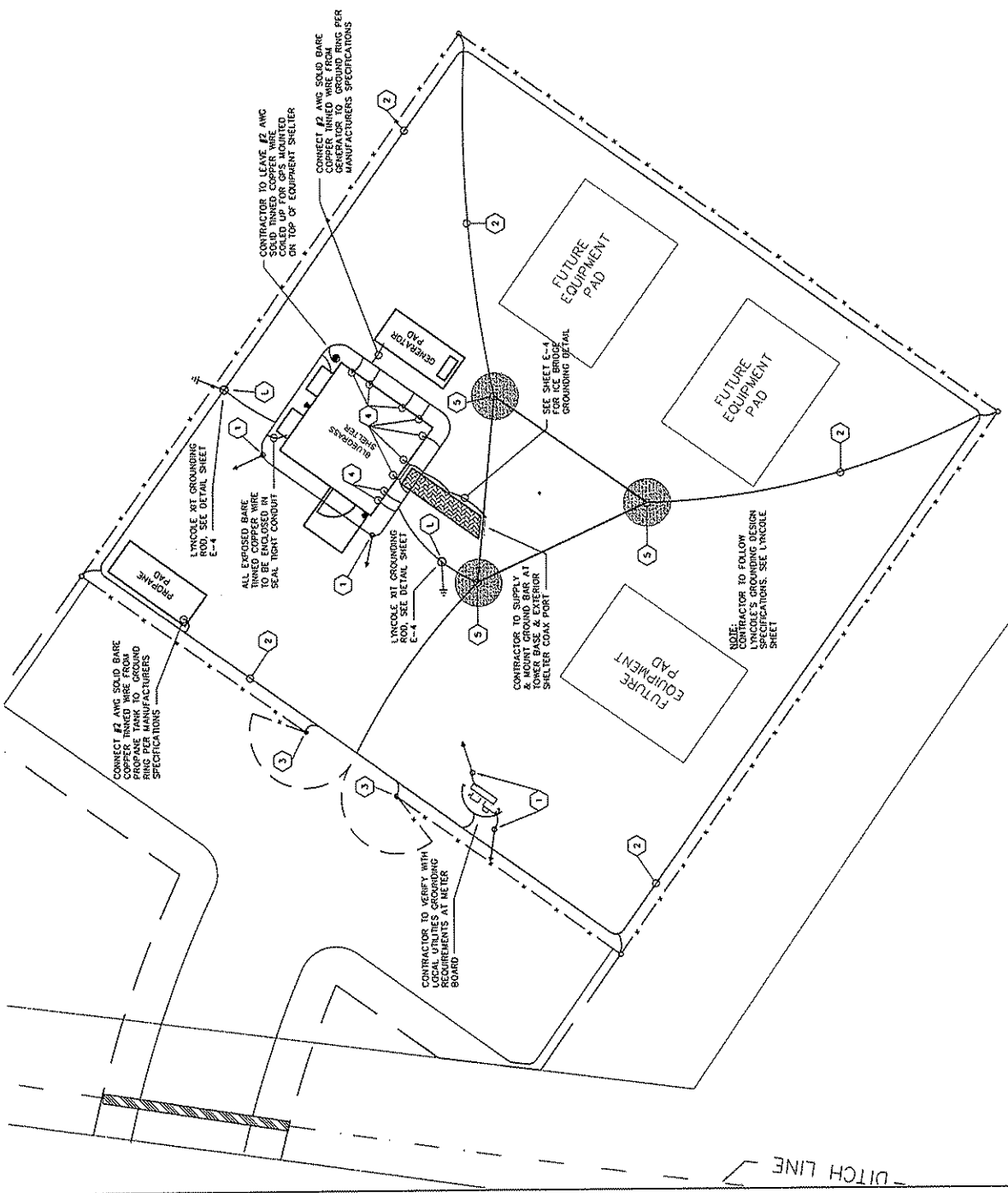
- 1) LYNCOLE AT GROUNDED ROD TO BE INSTALLED WHERE SHOWN AND TO MANUFACTURERS SPECIFICATIONS. (SEE LYNCOLE SPECIFICATIONS)
- 2) GROUNDED RODS 10'-0" LONG x 3/4" COPPER
- 3) METAL AND PROVIDE SOLID BASE INSIDE CARRIER WIRE #2 AWG. GROUND CONDUCTORS TO BE PARALLEL AND "COLD WELD" CONNECTIONS
- 4) FLEXIBLE GROUNDED STRAP TO BE USED TO PROVIDE A CONDUCTOR BOND BETWEEN CONDUCTORS FROM GROUND ROD TO FENCE USING COLD WELD CONNECTIONS. GROUND TAP TO BE PROVIDED ON EACH 4 SIDES TO GROUND RING AS DESCRIBED ABOVE.
- 5) BONDING GROUNDING STRAP TO BE USED TO PROVIDE A CONDUCTOR BOND BETWEEN CONDUCTORS FROM GROUND ROD TO FENCE USING COLD WELD CONNECTIONS. GROUND TAP TO BE PROVIDED ON EACH 4 SIDES TO GROUND RING AS DESCRIBED ABOVE.
- 6) FOR TOWER FRAME GROUNDED, REMOVE GALVANIZED COATING COMPLETELY AT SPOT TO BE WELDED TO AND CLEAN #2 AWG SOLID BARE WELDED TO FOUNDATION OR AT FLANGE IF PROVIDED BY TOWER MANUFACTURER. FENCE TO BE GROUNDED FROM GROUND RING. RIGHT ANGLES NOT ACCEPTED ALL FENCES TO BE STREEPING.

**NOTE:**  
 CONTRACTOR TO LEAVE #2 AWG SOLID BARE COPPER FINISHED WIRE FROM MANUFACTURERS SPECIFICATIONS ON TOP OF EQUIPMENT SHELTER

**NOTE:**  
 CONTRACTOR TO VERIFY WITH LOCAL UTILITIES TESTING REQUIREMENTS AT METER BOARD

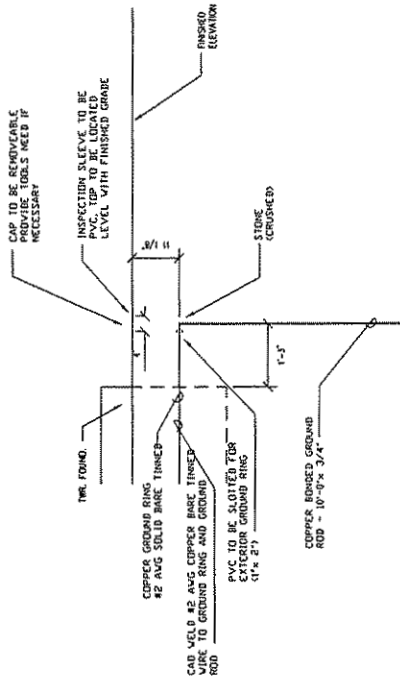
**NOTE:**  
 CONTRACTOR TO SUPPLY & MOUNT GROUND BAR AT SHELTER COAX PORT

**NOTE:**  
 CONTRACTOR TO FOLLOW LYNCOLE'S GROUNDED SPECIFICATIONS. SEE LYNCOLE SHEET

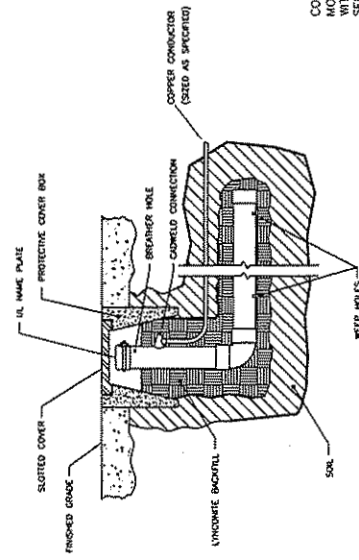


**SITE PLAN-GROUNDED**

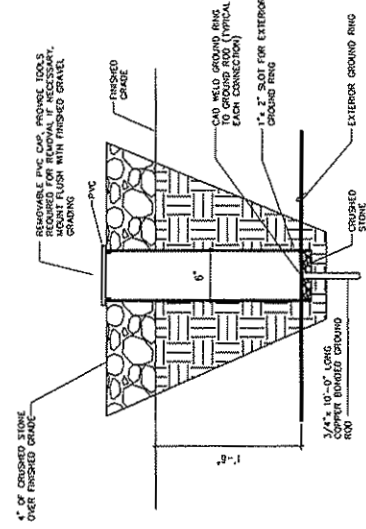
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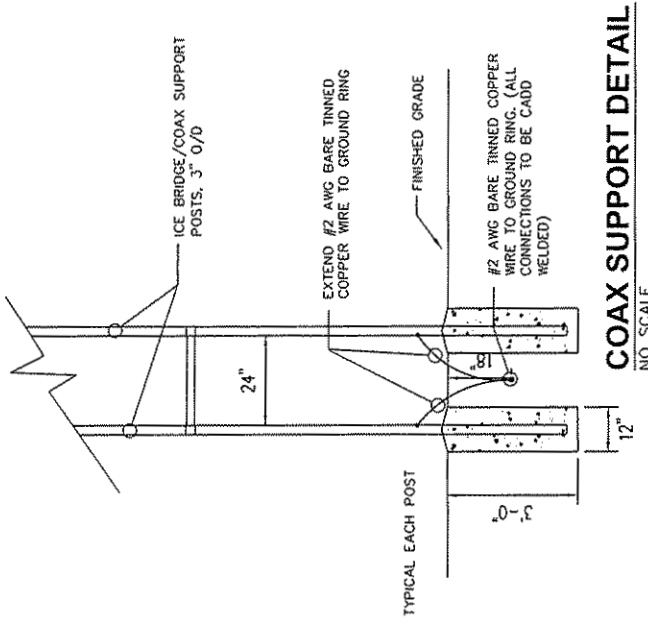
**GROUND ROD DETAIL**  
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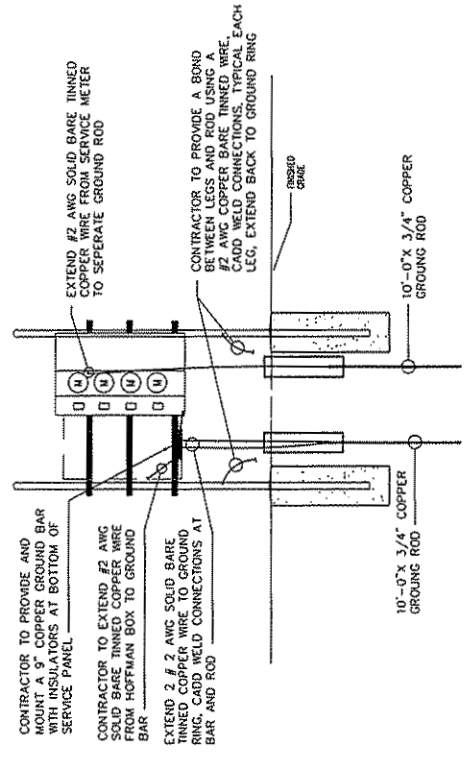
**LYNCOXITE XIT ROD DETAIL**  
NO SCALE



**GROUND SLEEVE DETAIL**  
NO SCALE



**COAX SUPPORT DETAIL**  
NO SCALE



**SERVICE BOARD DETAIL**  
NO SCALE



NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**SYCAMORE FLAT II**  
728 DAMRON CREEK RD., RUSSELL SPRINGS, KY, 42462

DRAWN BY: R. BECKER	ISSUE DATE: 6-5-06	SCALE: LISTED
SHEET NUMBER: E-4		



ENGINE SERVICE CONNECTIONS

- INLET UP GAS = 3/4" NPT COUPLING
- INLET NATURAL GAS = 3/4" NPT COUPLING
- OIL DRAIN = 1/2" NPT COUPLING
- EXHAUST OUTLET - SEE NOTE 12. OPTIONAL MUFFLER OUTLET WITH ENCLOSURE

NOTES

- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
- STANDARD BLOCK HEATER REQUIRES 120V AC CONNECTION. ALSO PROVIDES BATTERY CHARGER & BATTERY HEATER.
- CONNECTION POINTS FOR AC LOAD LEADS AND ENGINE AUTOMATIC STARTER CONTROL WIRING PROVIDED IN AC CONNECTION PANEL.
- EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL COMPARTMENT.
- 12 VOLT NEGATIVE GROUND SYSTEM.
- BATTERY TRAY INSIDE DIMENSIONS: 178 X 342.5 (7" X 13.5")
- 2.5" I.D. FLEX EXHAUST STANDARD WITH COMPARTMENT UNITS, OPTIONAL WITHOUT.
- REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
- OPTIONAL COMPARTMENT.
- OPTIONAL COMPARTMENT.
- DOORS MUST BE OPENED 90 DEG TO BE REMOVED.
- A CIR AT MAY BE USED DEPENDING ON CIRCUIT BREAKER LOCATION.
- STONE GUARDS AND AIR DUCT ADAPTER ARE OPTIONS AND CAN BE ORDERED FOR UNITS WITHOUT ENCLOSURES ONLY.
- SEE DRAWING C3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.

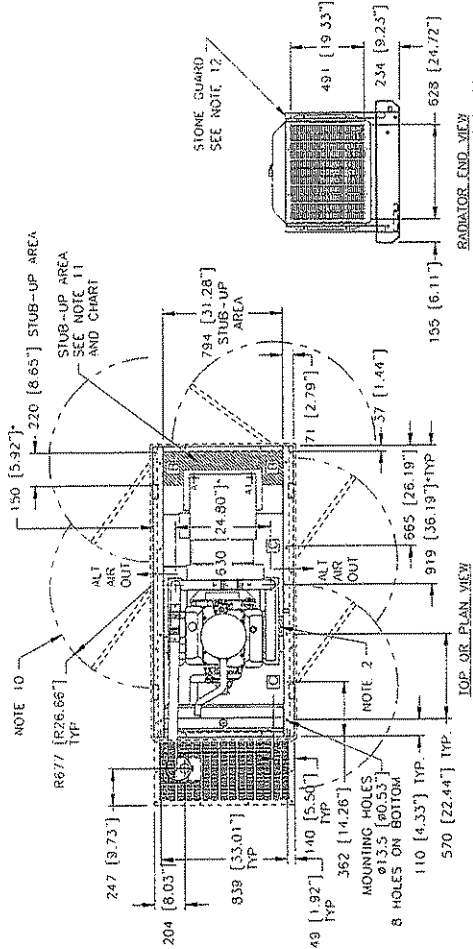
\*DIMENSIONS ARE TO THE CENTER OF OUTLETS ON EXHAUST MANIFOLDS. DIMENSIONS SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLIES TO OPEN SET ONLY.

RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)	
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT) (LEFT)	A
120/240V AC FOR OPT. BATTERY CHARGER, OPT. BATTERY HEATER, AND BLOCK HEATER	B
INSIDE STUB-UP FOR FUEL CONNECTIONS	C

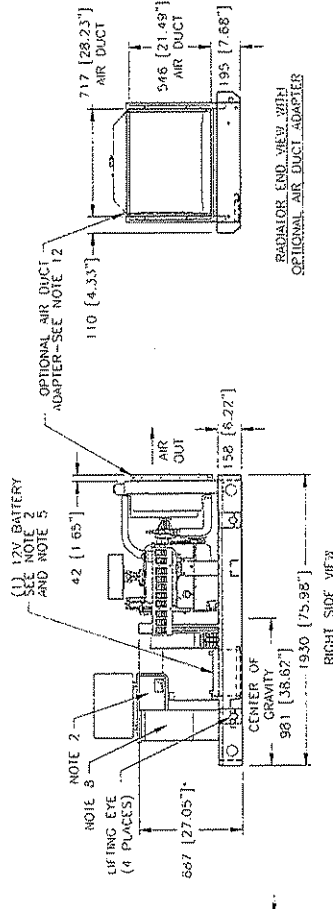
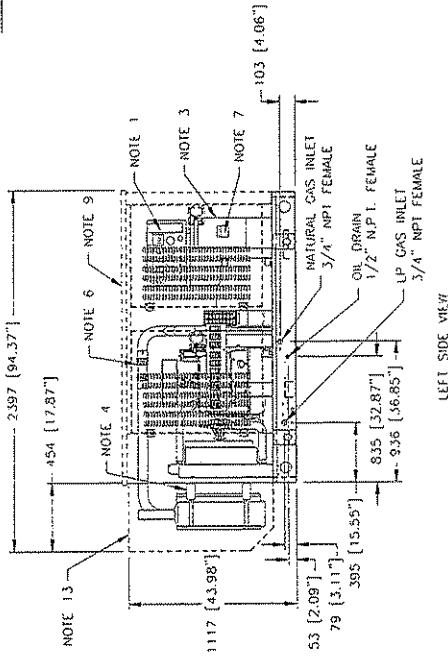
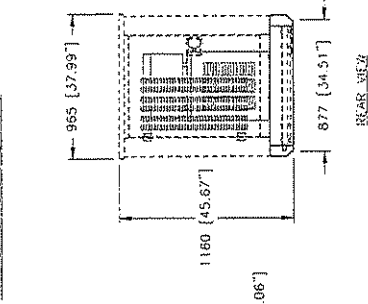
NOTE: FUEL SYSTEM SET UP WITH OUTSIDE STUB UPS. FUEL SYSTEM (SEE VIEW) SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL REGULATIONS REQUIRED FOR INSIDE STUB-UPS.

WEIGHT DATA  
UNIT: 723.7 kg (1609 lbs)  
STEEL COMPARTMENT: 208.6 kg (460 lbs)

UNITS: mm [INCHES]



RADIATOR END VIEW WITH OPTIONAL STONE GUARD



# GENERAC® INSTALLATION DRAWING

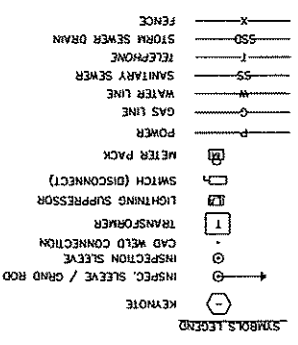
INSTALLATION DRAWING # C4505 REV -  
SG035 & SC045  
4.3 LITER SPARK-IGNITED ENGINE  
NATURALLY ASPIRATED  
ISSUE DATE 10/11/99

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

- GENERAL NOTES:
- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP AND DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS ENCLOSED.
  - 2) THE CONTRACTOR IS RESPONSIBLE FOR VISING THE SITE PRIOR TO BRIDING AND REMOVING 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 AFRFE NOTICE.
  - 4) THE CONTRACTOR IS RESPONSIBLE FOR MATERIALS TESTING, PLEASE PROVIDE AMPLE 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 ON OWNER IMMEDIATELY.
  - 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNER'S 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 AUTHORITY IF ANY LIGHTS OR LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MAINTAINED THROUGHOUT CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.
  - 9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS, WORK TO BE DONE IN COMPLIANCE WITH OSHA RULES AND REGULATIONS.
  - 10) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
  - 11) THE CONTRACTOR RESPONSIBLE FOR ANY SEED AND STRAW NECESSARY TO DAMAGED AREAS.
  - 12) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POLE HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED.

- GRADING & EXCAVATING NOTES:
- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, STRUTTERS, 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, TORSION, REGISTRATION, AND HAZARDOUS MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPING, GRADING, AND FINISHING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
  - 3) 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 ON OWNER IMMEDIATELY.
  - 4) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNER'S APPROVAL.
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  - 12) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POLE HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED.

- GENERAL CONTRACTOR MUST HAVE A PHASE OF CONSTRUCTION FOR EMPLOYEE SAFETY PRECAUTIONS.
- NOTE: GENERAL CONTRACTOR MUST HAVE A PHASE OF CONSTRUCTION FOR EMPLOYEE SAFETY PRECAUTIONS.
- NOTE: THIS SCOPE OF WORK IS A BASIC OUTLINE FOR THE GENERAL CONTRACTOR TO FOLLOW AND DOES NOT EXCLUDE OTHER DUTIES ASSOCIATED WITH THE GENERAL CONTRACTOR'S RESPONSIBILITIES TO COMPLETE THE CELLULAR SITE. IT IS RECOMMENDED THAT THE SPECIFICATIONS MANUAL BE READ PRIOR TO CONSTRUCTION, SEE RSB DESIGN IF SPECIFICATIONS MANUAL IS NEEDED. 502-599-9427
- NOTE: CONTRACTOR TO SUPPLY AND INSTALL 1-20 GALLON TRASH BOTTOM, (COLOR OPTIONAL)
- NOTE: CONTRACTOR TO SUPPLY AND INSTALL 1-20 GALLON TRASH BOTTOM, (COLOR OPTIONAL)
- ROAD
  - FENCE
  - COMPOUND DEVELOPMENT
  - BUILDING, PROPANE, AND GENERATOR FOUNDATIONS
  - GROUNDING
  - TELCO
  - ELECTRIC
  - BUILDING SET
  - ICE BRIDGE
  - TOWER ERECTION
  - LINE INSTALL
  - ANTENNA INSTALL
  - PERMITS
- INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
  - INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.
  - EXCAVATION TO COMPOUND TO INCLUDE WELD CONTROL MAT.
  - SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL.
  - (GROWN FORMATION)
  - TRANSFORMER
  - CAN WELD CONNECTION
  - INSPECTION SLEEVE
  - INSP. SLEEVE / GRAND ROAD
  - REMOTE
  - SYMBOLS, LEGEND
- INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
  - EXCAVATION TO COMPOUND TO INCLUDE WELD CONTROL MAT.
  - SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL.
  - (GROWN FORMATION)
  - TRANSFORMER
  - CAN WELD CONNECTION
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- TRANSFORMER
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  - INSP. SLEEVE / GRAND ROAD
  - REMOTE
  - SYMBOLS, LEGEND
- TRANSFORMER
  - CAN WELD CONNECTION
  - INSPECTION SLEEVE
  - INSP. SLEEVE / GRAND ROAD
  - REMOTE
  - SYMBOLS, LEGEND



**General Notes**

SHEET NUMBER: LISTED

ISSUE DATE: 6-5-06

SCALE: LISTED

DESIGNED BY: R. BECKER

PROJECT: BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE Sycamore Flat II

720 DAMON CREEK RD, RUSSELL, SPRINGS, KY 42454

NO. DATE

REVISION

42454 Sycamore Flat II Cell Site R. Becker



Land Surveyors and Consulting Engineers

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**Site Name: SYCAMORE FLAT**

**DRIVE TO DIRECTIONS**

FROM JAMESTOWN, KY, TAKE US-127 NORTH 5.1 MILES TO CUMBERLAND PKWY. TURN LEFT ONTO CUMBERLAND PKWY AND CONTINUE WEST 0.1 MILE TO THE RAMP TO US-127 S. BEAR RIGHT ONTO THE RAMP AND CONTINUE NORTH 0.3 MILES TO US-127. TURN LEFT ONTO US-127 AND CONTINUE NORTH 5 MILES TO OLD POPLAR GROVE ROAD. TURN LEFT ONTO OLD POPLAR GROVE ROAD AND CONTINUE NORTH TO SITE.

**OPTION TO LEASE AND LEASE AGREEMENT**

**I.**

**OPTION TO LEASE REAL PROPERTY**

THIS OPTION TO LEASE REAL PROPERTY (the "Option Agreement") is made and entered into this 26 day of January, 2006, by and between Anna Lou Antle and her Husband Andrew Antle whose address is 247 Damron Creek Spur Road, Russell Springs, KY 42642 (the "Optionor (s)" and Cumberland Cellular Partnership, d/b/a Bluegrass Cellular, a Kentucky general partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

**WITNESSETH:**

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

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

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

1. In consideration of **One Thousand Two Hundred Dollars and Zero Cents (\$1,200.00)** paid by the Optionee to the Optionor(s) (the "Option Consideration"), the receipt of which is hereby acknowledged by the Optionor(s), the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time before 4:00 p.m. prevailing time on 27 Jan 07 (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.



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

Site Name: Sycamore Flat

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

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

Site Name: Sycamore Flat

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: 247 Damron Creek Spur Rd., Russell Springs, KY 42642; the Optionee's address shall be: 2902 Ring Road, Elizabethtown, KY 42701.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Russell County, Kentucky.

## II.

### LEASE AGREEMENT

16. In the event the Optionee elects to exercise the Option to lease the Property, the terms of the Lease Agreement ("Lease Agreement" or "Lease") shall become immediately effective upon such exercise and shall be as follows.
  1. The term of the Lease shall commence on the date that the Optionor(s) receives proper notice that the Optionee has exercised the Option, pursuant to Paragraph 5 therein. The initial term shall expire five (5) year(s) from the commencement date of the Lease Agreement and shall include three (3) additional five (5)-year terms per the Lease Agreement. Optionee may, by providing written notice at least sixty (60) days prior to the expiration of the original or any renewal Lease term, elect to unilaterally terminate this Lease at the end of any original or renewal Lease term. Such notice must be personally delivered or sent via registered or certified mail, return receipt requested, to the address of the Optioner(s) set forth in Paragraph 14 hereof. The Lease amount shall be adjusted at the end of each term by an increase of 12%.

Site Name: Sycamore Flat

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

Site Name: Sycamore Flat

covenants and conditions contained in the Lease, the Optionee may peacefully and quietly enjoy the Property subject to the terms and conditions set forth in the Lease.

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

[Remainder of Page Intentionally Left Blank]

Site Name: Sycamore Flat

**EXECUTION OF AGREEMENT(S)**

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

Andrew Antle

Andrew Antle

("Optionor(s)")

By: Anna Lou Antle  
Andrew Antle  
Property Owners

Date: 1-26-06

[Signature]

("Optionee")

By: Ron Smith  
Authorized Representative  
Cumberland Cellular Partnership

Date: 1-30-06

STATE OF Kentucky  
COUNTY OF Russell

The foregoing instrument was acknowledged before me this 26 day of January, 2006,  
by Anna Lou Antle to be her free act and deed.

[Signature]  
NOTARY PUBLIC STATE AT LARGE  
My Commission Expires: 1-21-09

Site Name: Sycamore Flat

STATE OF Kentucky  
COUNTY OF Russell

The foregoing instrument was acknowledged before me this 26 day of January, 2006,  
by Andrew Antle to be his/her free act and deed.

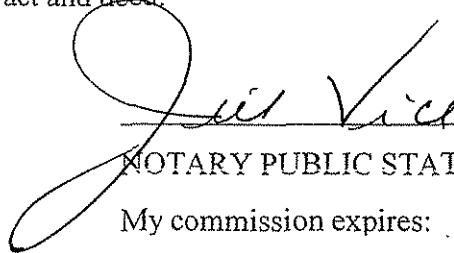


NOTARY PUBLIC STATE AT LARGE

My commission expires: 1-21-09

STATE OF Kentucky  
COUNTY OF Hardin

The foregoing instrument was acknowledged before me this 30 day of January,  
2006, by Ron Smith, to be his free act and deed.



NOTARY PUBLIC STATE OF LARGE

My commission expires: 1-21-09

This instrument prepared by:



John E. Selent

**DINSMORE & SHOHL LLP**

1400 PNC Plaza

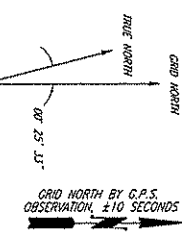
500 West Jefferson Street

Louisville, KY 40202

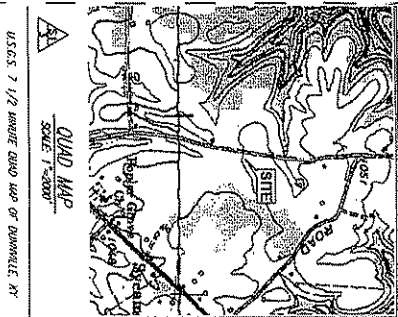
(502) 540-2300

- MORTGAGE AND 500' SUBORDINATE MAP
- ADJOINING PROPERTY OWNERS
- U.S.G.S. QUAD MAP

- PROPOSED LEASE AREA
- LEGAL DESCRIPTIONS
- FLOOD ZONE DATA

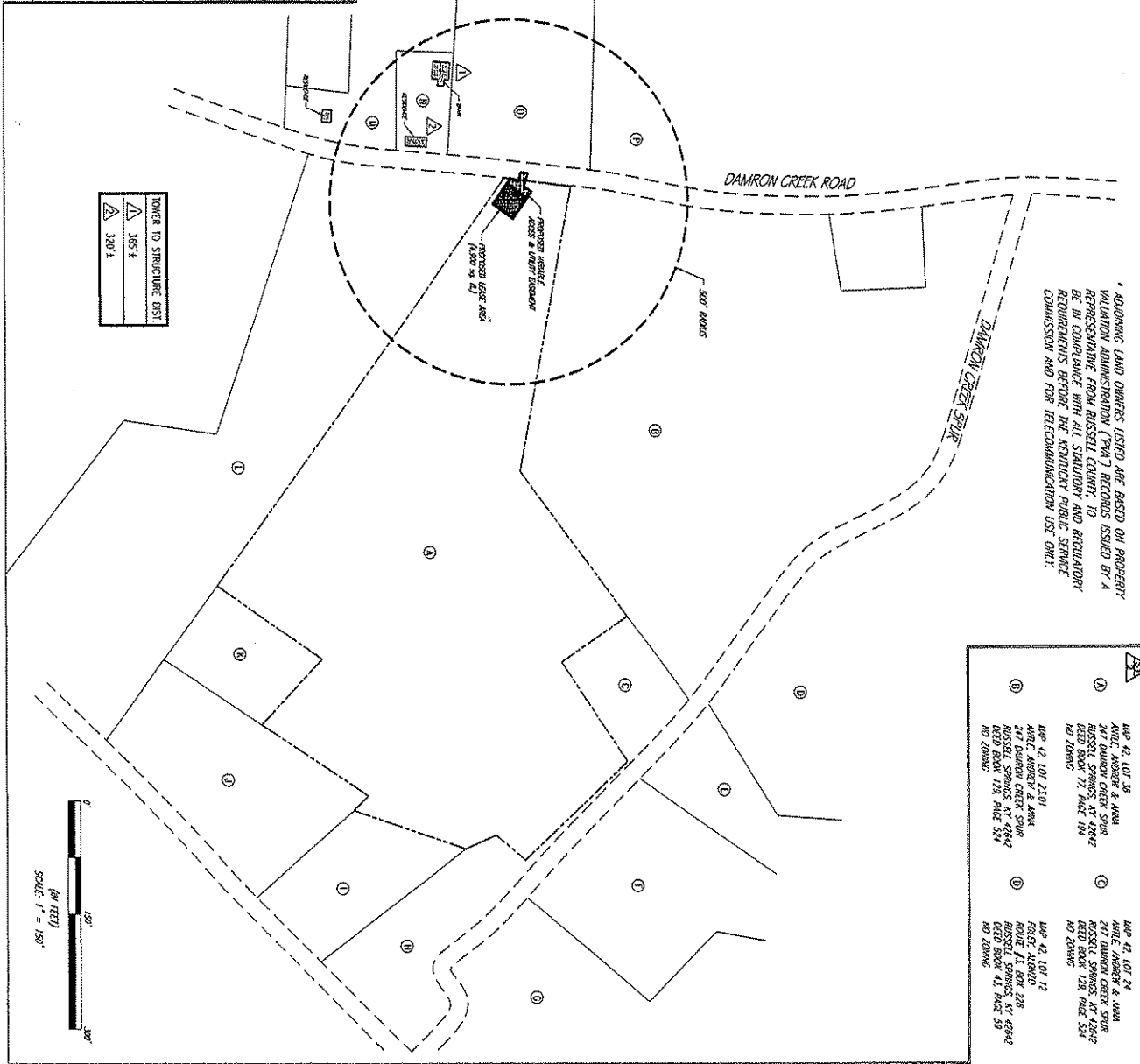


HEIGHT IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM. SOUTH ZONE AND WAS DETERMINED BY COMPARISON FROM C.P.S. OBSERVATION ON MAY 22, 2008.



U.S.G.S. 7 1/2 INCH QUAD MAP OF DANVILLE, KY

\* ADJOINING LAND OWNERS LISTED ARE BASED ON PROPERTY VALUATION ADMINISTRATION (PVA) RECORDS ISSUED BY A REPRESENTATIVE FROM RUSSELL COUNTY, TO BE IN COMPLIANCE WITH ALL STATUTORY AND REGULATORY REQUIREMENTS BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION AND FOR TELECOMMUNICATION USE ONLY.



TOUER TO STRUCTURE DIST:  
 357' ±  
 330' ±



- MAP 42, LOT 25  
PERRY, JUDITH  
238 DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 41, PAGE 25  
NO ZONING
- MAP 42, LOT 26  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 11, PAGE 258  
NO ZONING
- MAP 42, LOT 27  
CARTY, GRENEL & SONS  
113 DARTON ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 226, PAGE 620  
NO ZONING
- MAP 42, LOT 28  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 29  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 30  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 31  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
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DAMRON CREEK SPUR  
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DAMRON CREEK SPUR  
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- MAP 42, LOT 43  
DAMRON CREEK SPUR  
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DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 44  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 45  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 46  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 47  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 48  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 49  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING
- MAP 42, LOT 50  
DAMRON CREEK SPUR  
RUSSELL SPINGS, KY 42642  
DEED BOOK 128, PAGE 347  
NO ZONING

- MAP 42, LOT 16  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 17  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 18  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 19  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 20  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 21  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 22  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 23  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 24  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 25  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 26  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 27  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 28  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 29  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 30  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 31  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 32  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 33  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 34  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 35  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 36  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 37  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 38  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 39  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING
- MAP 42, LOT 40  
MCCORMICK, LIA ANN  
374 MCDONNAN ROAD  
RUSSELL SPINGS, KY 42642  
DEED BOOK 111, PAGE 258  
NO ZONING

<b>FS</b>		<b>BLUEGRASS CELLULAR</b>	
F.S. Land Company T. Alan Neal Company Land Surveyors and Consulting Engineers PO Box 17548, 2315/2317 S. Greenwood Drive 40217 Phone: (502) 635-5586 (402) 636-5111 Fax: (502) 636-3263		2902 RING ROAD ELIZABETHTOWN, KY 42702	
SITE NUMBER:	STCA0006 1741	PROPOSED LEASE AREA:	AREA = 4,900 SQ. FT.
SITE ADDRESS:	728 DAMRON CREEK ROAD RUSSELL SPINGS, KY 42642	PROPERTY OWNER:	ANDREW & ANNA LOU ANGLE 242 DAMRON CREEK SPUR RUSSELL SPINGS, KY 42642
PARCEL NUMBER:	42	TAX MAP NUMBER:	42
SOURCE OF TITLE:	DEED BOOK 77, PAGE 194	DATE:	06/09/06
DATE:	06/09/06	BY:	FSI
PROJECT NO.:	06-1019		
SHEET 1 OF 2			
REVISIONS:			
C1			



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

**In the Matter of:**

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

**CASE NO. 2006-00146**

**AFFIDAVIT OF JOHN E. SELENT**

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

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

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

2. In order to demonstrate compliance with 807 KAR 5:063 §1(1)(l), Exhibit 1 identifies, with the exception of those individuals identified in paragraphs 4, 5, 6, and 7, the names of the residents/tenants and property owners within 500 feet of the proposed tower who have been: (i) notified by written notice of the proposed construction, sufficient postage prepaid, by United States Certified Mail, return receipt requested; (ii) given the Commission docket number under which the application will be processed; and (iii) informed of the right to request intervention.

3. Pursuant to Exhibit 1, attached as Exhibit 2 is a copy of the United States Certified Mail return receipts that demonstrate proof of service of the written notice of the proposed construction upon Andrew and Anna Antle, Larry and Pamela Emerson, Madeline Prater, Darnell and Susan Coffey, Michael Barger, Ernest Crew, Anthony and Mary Thomas, and Lila McGowan.

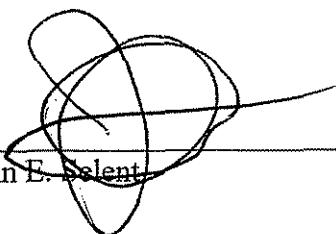
4. Pursuant to Exhibit 1, attached as Exhibit 3 is a copy of the United States Express Mail return receipt that demonstrates proof of service of the written notice of the proposed construction upon Winnie Barger. The address for Winnie Barger is a P.O. Box and therefore cannot be served by United States Certified Mail in compliance with 807 KAR 5:063 § 1(l) and (m).

5. Pursuant to Exhibit 1, attached as Exhibit 4 is a copy of the returned United States Express Mail package (marked "Not Deliverable as Addressed - Unable to Forward") that demonstrates the attempted service of the written notice of the proposed construction upon Alonzo Foley. The address for Alonzo Foley is a P.O. Box and therefore cannot be served by United States Certified Mail in compliance with 807 KAR 5:063 § 1(l) and (m). Another copy of the written notice of the proposed construction was therefore sent to Alonzo Foley via United States First Class Mail.

6. Pursuant to Exhibit 1, attached as Exhibit 5 is a copy of the returned United States Certified Mail package (marked "Return to Sender - Deceased - Unable to Forward") that demonstrates the attempted service of the written notice of the proposed construction upon Annie Long.

7. Pursuant to Exhibit 1, attached as Exhibit 6 is a copy of the returned United States Certified Mail package (marked "Return to Sender - Unclaimed - Unable to Forward") that demonstrates the attempted service of the written notice of the proposed construction upon Joanne Castleton and Gary Grider. Another copy of the written notice of the proposed construction was therefore sent to Joanne Castleton and Gary Grider via United States First Class Mail.

Further Affiant saith not.

  
John E. Selent





Land Surveyors and Consulting Engineers

1000 S. Third Street, Louisville, KY 40203

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**Site Name: SYCAMORE FLAT**

**500' RADIUS & ADJOINING LANDOWNER LIST**

Map 42, Lot 38  
Antle, Andrew & Anna  
247 Damron Creek Spur  
Russell Springs, KY 42642  
Deed Book 77, Page 194  
No Zoning

Map 42, Lot 23.01  
Antle, Andrew & Anna  
247 Damron Creek Spur  
Russell Springs, KY 42642  
Deed Book 129, Page 524  
No Zoning

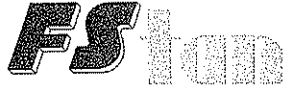
Map 42, Lot 24  
Antle, Andrew & Anna  
247 Damron Creek Spur  
Russell Springs, KY 42642  
Deed Book 129, Page 524  
No Zoning

Map 42, Lot 12  
Foley, Alonzo  
Route #3, Box 228  
Russell Springs, KY 42642  
Deed Book 43, Page 59  
No Zoning

Map 42, Lot 25  
Prater, Madeline  
238 Damron Creek Spur  
Russell Springs, KY 42642  
Deed Book 43, Page 25  
No Zoning

Map 42, Lot 26  
Emerson, Larry & Pamela  
128 Damron Creek Spur  
Russell Springs, KY 42642  
Deed Book 63, Page 364  
No Zoning

Map 42, Lot 27  
Coffey, Darnell & Susan  
113 Gateway Drive  
Russell Springs, KY 42642  
Deed Book 226, Page 650  
No Zoning



## Land Surveyors and Consulting Engineers

2315 Crittenden Drive PO Box 17546 Louisville, KY 40217  
Phone: (502) 636-5111 (502) 635-5866 Fax: (502) 636-5263

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Map 42, Lot 34  
Castleton, Joanne  
1649 N. Winchester  
Chicago, IL 60622  
Deed Book 119, Page 319  
No Zoning

Map 42, Lot 35  
Barger, Winnie  
Route #6, Box 662  
Russell Springs, KY 42642  
No Deed of Record Found  
No Zoning

Map 42, Lot 36  
Barger, Michael  
4446 N. Highway 127  
Russell Springs, KY 42642  
Deed Book 126, Page 547  
No Zoning

Map 42, Lot 37  
Barger, Michael  
4446 N. Highway 127  
Russell Springs, KY 42642  
Deed Book 226, Page 28  
No Zoning

Map 42, Lot 39  
Grider, Gary  
4253 N. Highway 127  
Russell Springs, KY 42642  
Deed Book 223, Page 427  
No Zoning

Map 42, Lot 21  
Long, Annie  
595 Damron Creek Road  
Russell Springs, KY 42642  
Deed Book 18, Page 308  
No Zoning

Map 42, Lot 43  
Crew, Ernest  
667 Damron Creek Road  
Russell Springs, KY 42642  
Deed Book 78, Page 56  
No Zoning

Map 42, Lot 22  
Thomas, Anthony & Mary  
1520 Concrete Way  
Louisville, KY 40216  
Deed Book 228, Page 20  
No Zoning



**Land Surveyors and Consulting Engineers**

1000 West Main Street, Suite 200, Louisville, KY 40202

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Map 42, Lot 16  
McGowan, Lila  
374 McGowan Road  
Russell Springs, KY 42642  
Deed Book 111, Page 358  
No Zoning

June 14, 2006

Andrew and Anna Antle  
247 Damron Creek Spur  
Russell Springs, Kentucky 42642

## Amended 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.


Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. 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 2006-00146 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](http://www.myblueworks.com))

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"><li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li><li>■ Print your name and address on the reverse so that we can return the card to you.</li><li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	A. Signature  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to:  Andrew & Anna Antle 247 Damron Creek Spur Russell Springs, KY 42642	B. Received by (Printed Name) _____ C. Date of Delivery 6-16-06
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
	7006 0100 0000 9010 5878

June 14, 2006

Larry and Pamela Emerson  
168 Damron Creek Spur  
Russell Springs, Kentucky 42642

## Amended 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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Frankfort, Kentucky, 40602.

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1. Article Addressed to:  Larry & Pamela Emerson 168 Damron Creek Spur Russell Springs, KY 42642	B. Received by (Printed Name) _____ C. Date of Delivery _____
2. Article Number <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. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes  7006 0100 0000 9010 5885 Domestic Return Receipt



June 14, 2006

Madeline Prater  
238 Damron Creek Spur  
Russell Springs, Kentucky 42642

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

Please refer to case number 2006-00146 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](http://www.myblueworks.com))

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<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> Addressee <i>Madeline Prater</i>
1. Article Addressed to: <i>Madeline Prater 238 Damron Creek Spur Russell Springs, KY 42642</i>	B. Received by (Printed Name) C. Date of Delivery <i>6/15/06</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number. (Transfer from service label)	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
PS Form 3811, February 2004	7006 0100 0000 9010 5892 Domestic Return Receipt 102595-02-M-1540

June 14, 2006

Darnell and Susan Coffey  
113 Gateway Drive  
Russell Springs, KY 42642

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

**Please refer to case number 2006-00146 in your correspondence.**

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<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> <i>Tammy Campbell</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Darnell &amp; Susan Coffey 113 Gateway Drive Russell Springs, KY 42642</i>	B. Received by (Printed Name) <i>Tammy Campbell</i> Date of Delivery <i>6-14-06</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: <i>113 Lakeway Dr. 42642</i>
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. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

7006 0100 0000 9010 5908

June 14, 2006

Michael Barger  
4446 North Highway 127  
Russell Springs, KY 42642

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

Please refer to case number 2006-00146 in your correspondence.

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<ul style="list-style-type: none"><li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li><li>Print your name and address on the reverse so that we can return the card to you.</li><li>Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Michael Barger</i>
1. Article Addressed to:  <i>Michael Barger 4446 N. Highway 127 Russell Springs, KY 42642</i>	B. Received by (Printed Name) C. Date of Delivery <i>Michael Barger 6/19/06</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No  3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
PS Form 3811, February 2004	7006 0100 0000 9010 5922 Domestic Return Receipt 102595-02-M-1540

June 14, 2006

Ernest Crew  
667 Damron Creek Road  
Russell Springs, KY 42642

## Amended Public Notice

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

Please refer to case number 2006-00146 in your correspondence.

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<p>1. Article Addressed to:</p> <p><i>Ernest Crew 667 Damron Creek Rd. Russell Springs, KY 42642</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes  If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail      <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered      <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail      <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number  <small>(Transfer from service label)</small></p>	<p><i>7006 0100 0000 9010 5953</i></p>

June 14, 2006

Anthony and Mary Thomas  
1520 Concrete Way  
Louisville, KY 40216

## Amended 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.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. 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 2006-00146 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](http://www.myblueworks.com))

SENDER COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> <i>Anthony Thomas</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to:  <i>Anthony &amp; Mary Thomas 1520 Concrete Way Louisville, KY 40216</i>	B. Received by (Printed Name) _____ C. Date of Delivery <i>6-19-06</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
PS Form 3841, 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. <input type="checkbox"/> Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes 2006 0100 0000 9010 5960 Domestic Return Receipt 102595-02-M-1540

June 14, 2006

Lila McGowan  
374 McGowan Road  
Russell Springs, KY 42642

## Amended 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.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. A map showing the location is attached.

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

Please refer to case number 2006-00146 in your correspondence.

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"><li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li><li>Print your name and address on the reverse so that we can return the card to you.</li><li>Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	A. Signature <input checked="" type="checkbox"/> <i>Lila McGowan</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Lila McGowan 374 McGowan Rd. Russell Springs, KY 42642</i>	B. Received by (Printed Name) C. Date of Delivery <i>6-16-06</i>
2. Article Number (Transfer from service label)	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. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
Domestic Return Receipt	7006 0100 0000 9010 5977

June 14, 2006

Winnie Barger  
Route #6  
P.O. Box 662  
Russell Springs, KY 42642

## **Amended 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.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. A map showing the location is attached.

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

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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](http://www.myblueworks.com))



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**Track & Confirm**

## Track & Confirm

### Search Results

Label/Receipt Number: **ER28 3588 517U S**  
Status: **Delivered**

Your item was delivered at 2:27 pm on June 15, 2006 in RUSSELL SPRINGS, KY 42642. The item was signed for by P BARGER.

**Track & Confirm**

Enter Label/Receipt Number.

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## Track & Confirm

### Search Results

Label/Receipt Number: ER28 3588 517U S  
Detailed Results:

- Delivered, June 15, 2006, 2:27 pm, RUSSELL SPRINGS, KY 42642
- Arrival at Unit, June 15, 2006, 6:21 am, RUSSELL SPRINGS, KY 42642
- Enroute, June 15, 2006, 4:21 am, SOMERSET, KY 42501
- Enroute, June 14, 2006, 7:13 pm, LOUISVILLE, KY 40231
- Acceptance, June 14, 2006, 2:35 pm, LOUISVILLE, KY 40270

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June 14, 2006

Alonzo Foley  
Route #3  
P.O. Box 228  
Russell Springs, KY 42642

## **Amended 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.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. A map showing the location is attached.

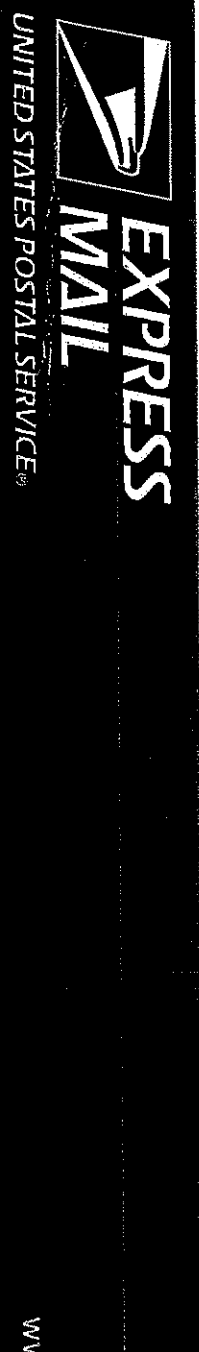
**The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:**

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

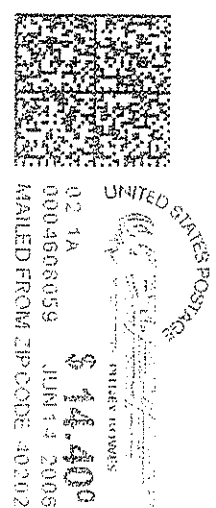
**Please refer to case number 2006-00146 in your correspondence.**

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](http://www.myblueworks.com))

CALL 1-800-222-1811 FOR PICKUP OR TRACKING OF ALL YOUR PACKAGES



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Mailing Label  
Label 11-B September 2002

**ORIGIN (POSTAL USE ONLY)**

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Date in: 6/14/06

Time: 8:36 PM

Day of Delivery: Next 6-15

Rate: \$14.40

Postage: \$14.40

Return Receipt Fee: \$0.00

COOD Fee: \$0.00

Insurance Fee: \$0.00

Total Postage & Fees: \$14.40

**DELIVERY (POSTAL USE ONLY)**

Delivery Attempt: 1st

Time: AM

Employee Signature: DSS ROF

**FROM: (PLEASE PRINT)**

PHONE: 502 546-2300

Address: ~~1400 PNC Plaza~~ Dinsmore & Shoh 1  
508 W. Jefferson St.  
Louisville, KY 40202

A INSUFFICIENT ADDRESS  
 C ATTEMPTED NOT KNOWN  
 S NO SUCH NUMBER/ STREET  
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 UNABLE TO FORWARD



FOR PICKUP OR TRACKING CALL 1-800-222-1811  
www.usps.com

Alonzo Foley  
Route #3  
P.O. Box 228  
Russell Springs, KY

ZIP: 40270

4 2 6 4 2 +

8663381

June 14, 2006

Annie Long  
595 Damron Creek Road  
Russell Springs, KY 42642

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

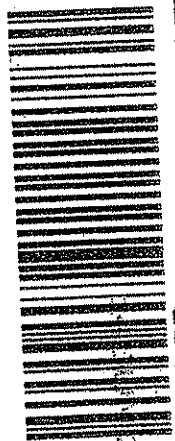
**Please refer to case number 2006-00146 in your correspondence.**

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1400 PNC Plaza, 500 West Jefferson Street  
Louisville, KY 40202

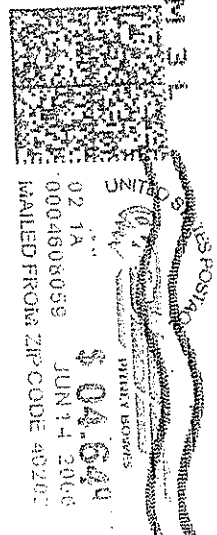
**Dinsmore & Shohl**  
ATTORNEYS

**CERTIFIED MAIL**  
LOUISVILLE KY 400



7006 0100 0000 9010 5446

3:00 PM '11



*Handwritten initials: R, R-3*

Arnie Long  
595 Danmon Creek Road  
Russell Springs, KY 42642

NIXIE 2017 1 11 06/19/08  
RETURN TO SENDER  
DECLASSIFIED  
UNABLE TO FORWARD  
RETURN TO SENDER

Handwritten address line



- NO SUCH ADDRESS
- ADDRESSSEE UNKNOWN
- NO SUCH COMPANY
- DECEASED
- VACANT

July 5, 2006

Joanne Castleton  
1649 North Winchester  
Chicago, Illinois 60622

## **Amended Public Notice**

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**Please refer to case number 2006-00146 in your correspondence.**

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### Your Shipment Details:

<b>Ship to:</b>	Joanne Castleton 1649 N. Winchester Chicago, IL 60622 US 502-540-2300	<b>Package Type:</b>	FedEx Envelope
		<b>Pickup/Drop Off:</b>	give to scheduled courier at my locati
		<b>Weight:</b>	1 LBS
		<b>Dimensions:</b>	0 x 0 x 0 in
		<b>Declared Value:</b>	0 USD
<b>From:</b>	KERRY W. INGLE DINSMORE & SHOHL LLP 1400 PNC Plaza 500 West Jefferson Street LOUISVILLE, KY 40202 US 5025402300	<b>Shipper Account Number:</b>	111404232
		<b>Bill transportation to:</b>	111404232
		<b>Courtesy Rate Quote</b>	*13.17
		<b>Discounted variable %</b>	0.00
		<b>Special Services:</b>	Residential Delivery
		<b>Purpose:</b>	
		<b>Shipment Type:</b>	Express
<b>Tracking no:</b>	791987288438		
<b>Your reference:</b>	21965.16		
<b>Ship date:</b>	Jul 05 2006		
<b>Service Type:</b>	Priority Overnight		

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### Please Note

\*The courtesy rate shown here may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdirected shipment, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the contents, sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits. Consult the applicable FedEx Service Guide for details.



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Track Shipments  
Detailed Results

Print

<b>Tracking number</b>	791987288438	<b>Reference</b>	21965.16
<b>Signed for by</b>	Signature release on file	<b>Destination</b>	Chicago, IL
<b>Ship date</b>	Jul 5, 2006	<b>Delivered to</b>	Residence
<b>Delivery date</b>	Jul 6, 2006 9:38 AM	<b>Service type</b>	Priority Envelope
		<b>Weight</b>	0.5 lbs.

**Status** Delivered

Date/Time	Activity	Location	Details
Jul 6, 2006	9:38 AM <b>Delivered</b>	Chicago, IL	Left at front door. Package delivered to recipient address - release authorized
	7:49 AM On FedEx vehicle for delivery	CHICAGO, IL	
	7:13 AM At dest sort facility	CHICAGO, IL	
	7:09 AM At local FedEx facility	CHICAGO, IL	
	4:49 AM Arrived at FedEx location	CHICAGO, IL	
	4:17 AM Departed FedEx location	INDIANAPOLIS, IN	
	1:18 AM Arrived at FedEx location	INDIANAPOLIS, IN	
Jul 5, 2006	10:06 PM Left origin	LOUISVILLE, KY	
	8:07 PM Picked up	LOUISVILLE, KY	
	10:33 AM Package data transmitted to FedEx		

Subscribe to tracking updates (optional)

Your Name:

Your Email Address:

Email address	Language	Exception updates	Delivery updates
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>

Select format:  HTML  Text  Wireless

Add personal message:

Not available for Wireless or non-English characters.



July 5, 2006

Gary Grider  
4253 North Highway 127  
Russell Springs, KY 42642

## **Amended 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.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. 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 2006-00146 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](http://www.myblueworks.com))

Track Shipments  
Detailed Results

 [Quick Help](#)

<b>Tracking number</b>	792786356473	<b>Reference</b>	21965.16
<b>Signed for by</b>	Signature release on file	<b>Destination</b>	Russell Springs, KY
<b>Ship date</b>	Jul 5, 2006	<b>Delivered to</b>	Residence
<b>Delivery date</b>	Jul 6, 2006 10:50 AM	<b>Service type</b>	Priority Envelope
		<b>Weight</b>	0.5 lbs.

**Status** Delivered

Date/Time	Activity	Location	Details
Jul 6, 2006 10:50 AM	<b>Delivered</b>	Russell Springs, KY	Left at back door. Package delivered to recipient address - release authorized
9:15 AM	On FedEx vehicle for delivery	LONDON, KY	
8:53 AM	At local FedEx facility	LONDON, KY	
5:27 AM	At dest sort facility	LOUISVILLE, TN	
5:00 AM	Departed FedEx location	INDIANAPOLIS, IN	
1:18 AM	Arrived at FedEx location	INDIANAPOLIS, IN	
Jul 5, 2006 10:06 PM	Left origin	LOUISVILLE, KY	
8:07 PM	Picked up	LOUISVILLE, KY	
10:32 AM	Package data transmitted to FedEx		

Subscribe to tracking updates (optional)

Your Name:  Your Email Address:

Email address	Language	Exception updates	Delivery updates
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	English	<input type="checkbox"/>	<input type="checkbox"/>

Select format:  HTML  Text  Wireless

Add personal message:

Not available for Wireless or non-English characters.

By selecting this check box and the Submit button, I agree to these [Terms and Conditions](#)

Submit

**Dinsmore & Shohl** LLP  
ATTORNEYS

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

June 14, 2006

*Via Certified Mail*  
Russell County Judge Executive  
Courthouse  
410 Monument Square  
Jamestown, KY 42629

RE: Amended Public Notice - Public Service Commission of Kentucky  
Case No. 2006-00146

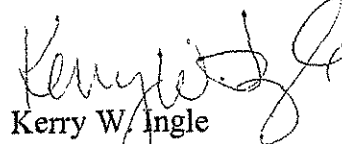
Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #5 in Russell County. The facility will include a 240 ft. tower and an equipment shelter to be located at 728 Damron Creek, Russellville, Kentucky, 42642. 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 2006-00146 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP

  
Kerry W. Ingle  
Paralegal

enclosure

KWI



## **PUBLIC NOTICE**

Cumberland Cellular Partnership  
proposes to  
construct a cellular  
communications

# **TOWER**

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

Cumberland Cellular  
Partnership  
P.O. Box 5812  
2902 Ring Road  
Elizabeth City, KY 42701

Executive Director  
The Public Service Commission  
211 Beaver Boulevard  
P.O. Box 825  
Frankfort, KY 40602

Please refer to P.S.C.  
**Case #2006-00146**  
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:

Cumberland Cellular  
Partnership  
P.O. Box 5812  
2902 Ring Road  
Elizabeth City, KY 42701

Executive Director  
The Public Service Commission  
211 Beaver Boulevard  
P.O. Box 825  
Frankfort, KY 40602

Please refer to P.S.C.  
**Case #2006-00146**  
in your correspondence.

The Times Journal  
P. O. Box 190  
Russell Springs, KY 42642

Dinsmore & Shol  
1400 PNC Plaza  
Louisville KY 40202

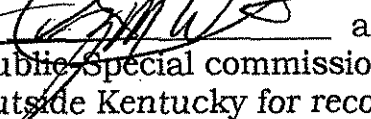
State of Kentucky

County of Russell            ss

Stephanie Smith, of the city of Russell Springs, in said county and state, being duly sworn, on her oath says that she is the Advertising Representative of The Times Journal, a weekly newspaper of general circulation published in said city, and that the notice, a printed copy of which is hereto annexed, was published in said newspaper for ONE (1 consecutive weeks which publication was made on:

**June 22, 2006**

Subscribed and sworn to before me this \_\_\_\_\_ day  
of

\_\_\_\_\_  
I Greg Wells  a Kentucky  
Notary Public - Special commission, for acts  
performed in or outside Kentucky for recordation in  
Kentucky; my commission expires: 5 January,  
2010.

**Total= 42.00**

s may apply at our office at Road, Russell Springs, or call -4103. E.O.E.

Mental Health-Mental Retardation  
 up is now accepting applications  
 Russell County. This is a community  
 into Group provides mental health,  
 se, and prevention services in the  
 gion. The 33 member Board is  
 y and 3 At-Large members.  
 ly Meetings  
 p Skills  
 Health, Mental Retardation,  
 ise and Prevention Services

ested parties should contact the Chief  
 utive Officer at (606) 679-4782, 259  
 ers Mill Road, Somerset, KY 42501.

GH JUNE 30, 2007 BY ESTIMATING

Council has reviewed such budget  
 ION i: That the annual budget for the

	GRANTS	AGENCY
0.00		
	\$1,000,000.00	RD GRANT
	\$ 3,932,000.00	RD LOAN
	\$1,000,000.00	CDBG
	\$500,000.00	MARC
	\$1,500,000.00	EDA
	\$950,000.00	KIA
0.00	\$150,000.00	EPA
0.00	\$9,032,000.00	
0.00	\$9,032,000.00	
0.00	\$9,032,000.00	
0.00	\$9,032,000.00	
0.00	\$0.00	

*a*

during FY 2006/2007. All interested persons and organizations are invited to the public hearing. Any persons, especially senior citizens who con not submit written comments or who can not attend the hearing, but who wish to submit comments should call the office of the Mayor before 3:00 P.M. on July 6, 2006, so that arrangements can be made to secure those comments. The phone number to use is 270-343-4594.

June McGaha, Mayor  
 City of Jamestown  
 6-29

PUBLIC NOTICE: A public hearing will be held by Russell County at the courthouse on Thursday, June 29, 2006 at 9:00 AM for the purpose of obtaining citizens comments regarding the possible uses of the County Road Aid (CRA) & Local Government Economic Assistance (LGEA) Funds. All interested persons in Russell County are invited to the hearing to submit oral or written comments on possible uses of the CRA & LGEA Funds. Any person(s) who cannot submit written comments or attend the public hearing but wish to submit com-

**HELP WANTED**

DUE TO AN OVERWHELMING growth in business, Bob Allen Motors in Liberty has an immediate opening for a SERVICE TECHNICIAN (prefer GM Certified). We offer top pay, paid vacation, dental and health insurance, plus 401k program. To apply, call Tim Bocook in service at 606-787-8387 or 1-800-249-3149. 6-22

DRIVERS: CALL about our New Dedicated Freight! You get great pay, benefits, miles, & home every weekend! Call Tammy: 800-828-8338. tf

**FOR RENT**

MAPLE STREET: 2 bedroom, 2 bath, \$350/deposit and application. Call 606-679-7266. 71/1f

DUPLEX FOR RENT: 2 BDR, 1 BATH. Washer/dryer hookup. Located in Russell Springs. \$340/month, \$200 deposit. Call 566-3200. 6-22

**SUBSCRIBE TODAY!**

**AMENDED 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 (Sycamore Flats Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 728 Damron Creek Spur, Russell Springs, Kentucky, 42642. 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. 2006-00146 in your correspondence.

The Times Journal  
P. O. Box 190  
Russell Springs, KY 42642

Dinsmore & Shol  
1400 PNC Plaza  
Louisville KY 40202


State of Kentucky

County of Russell            ss

Stephanie Smith, of the city of Russell Springs, in said county and state, being duly sworn, on her oath says that she is the Advertising Representative of The Times Journal, a weekly newspaper of general circulation published in said city, and that the notice, a printed copy of which is hereto annexed, was published in said newspaper for ONE (1 consecutive weeks which publication was made on:

**June 24, 2006**

Subscribed and sworn to before me this \_\_\_\_\_ day  
of

I Greg Wells  a Kentucky  
Notary Public-Special commission, for acts  
performed in or outside Kentucky for recordation in  
Kentucky; my commission expires: 5 January,  
2010.

**Total= 42.00**



*Russell Shel*  
*6/24/06*

**50**

**GENTLY ROLLING ACRES.**  
Half woods, half pasture.

Small creek with water year round and perimeter fence. 9½ miles east of Columbia on Hwy 206.  
**\$105,000 OBO.** Will not divide.

Call **812-663-5000**



**Gooseneck  
Flatbed Hauling**

**Round Roll Hay Moved**

**Buying and Selling Hay**

**Bushhogging**

**BILLY COE**

**866-3398 • 566-4724**

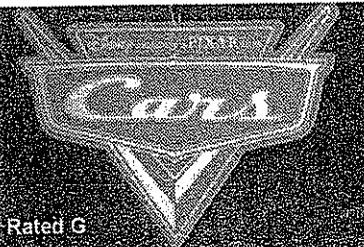


**Key Twin  
Cinema**

Key Village  
Shopping Center

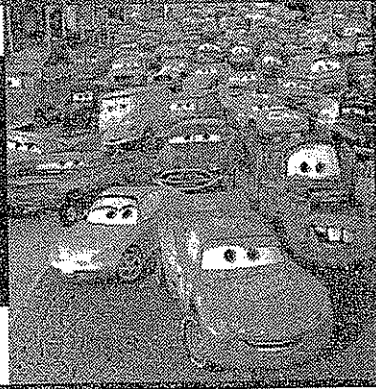
866-3080

**HELD OVER**



Rated G

**7:00 & 9:15 p.m. Nightly;  
2:00 & 4:15 Mat.**



**CLICK**

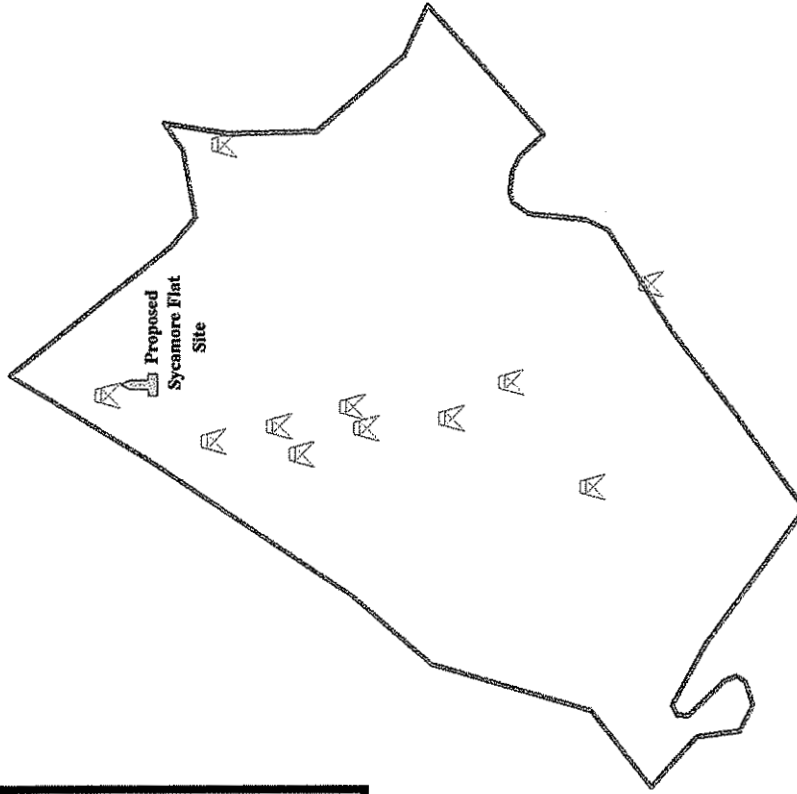
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*Want more*



**+**  
37°-15'-00" N  
85°-00'-00" W



	Russell County Boundary
	Wireless Tower Locations Registered with the FCC
	Proposed Tower location
	Tick Marks

Prepared By: LINGS Engineering 6/9/2006



36°-45'-00" N  
85°-15'-00" W  
**+**

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

<b>FCC Tower Reg. No.</b>	<b>North Latitude</b>	<b>West Longitude</b>	<b>City, State</b>	<b>Tower Owner</b>
1013822	37-03-21 N	84-50-46 W	Russell Springs, KY	Global Tower, LLC
1042205	36-53-48 N	84-59-32 W	Parnell, KY	Global Tower, LLC
1043078	37-08-31 N	85-03-16 W	Poplar Grove, KY	GTE South Incorporated
1043881	37-01-31 N	85-04-23 W	Russell Springs, KY	Lake Cumberland Broadcasters
1043973	37-01-53 N	85-03-40 W	Russell Springs, KY	Cumberland Cellular, Inc.
1044511	36-55-25 N	85-06-22 W	Freedom, KY	East Kentucky Power Cooperative
1060800	37-03-16 N	85-05-15 W	Russell Springs, KY	Duo County Telephone Cooperative
1065125	37-05-39 N	85-04-49 W	Russell Springs, KY	Hammond Broadcasting
1232264	37-05-19.7 N	84-54-47.3 W	Russell Springs, KY	Hemphill Corporation
1232919	37-03-51.9	85-04-19.5 W	Russell Springs, KY	Hemphill Corporation
1249806	36-59-14.9 N	85-04-03 W	Jamestown, KY	Shared Towers KY