

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

**RECEIVED**

MAR 13 2008

PUBLIC SERVICE  
COMMISSION

**In the Matter of:**

**APPLICATION OF BLUEGRASS WIRELESS LLC  
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC  
CONVENIENCE AND NECESSITY TO CONSTRUCT  
A CELL SITE (RUTH) IN RURAL SERVICE AREA #6  
(PULASKI) OF THE COMMONWEALTH OF  
KENTUCKY**

**CASE NO. 2008-00013**

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

Bluegrass Wireless LLC (“Bluegrass Wireless”), 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 Ruth cell site in and for rural service area (“RSA”) #6 of the Commonwealth of Kentucky, namely the counties of Boyle, Casey, Garrard, Laurel, Lincoln, Madison, Pulaski, and Rockcastle, Kentucky .

1. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Bluegrass Wireless states that it is a Kentucky limited liability company whose full name and post office address are: Bluegrass Wireless LLC, 2902 Ring Road, Elizabethtown, Kentucky, 42701. A certified copy of the articles of organization of Bluegrass Wireless was previously filed in Kentucky PSC Case No. 2007-00501 (Application of Bluegrass Wireless LLC for issuance of a certificate of public convenience and necessity to construct a cell site (Pricetown) in rural service area #11 (Casey County) of the Commonwealth of Kentucky).

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), 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 proximity of the proposed site to flood hazard areas is attached as Exhibit “B”.

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 attached as Exhibit “C”.

5. Pursuant to 807 KAR 5:063 §1(1)(f), a copy of the lease (or sale agreement) for the property on which the tower is proposed to be located is attached as Exhibit “D”.

6. Pursuant to 807 KAR §1(1)(g), experienced personnel will manage and operate the Ruth cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Bluegrass Wireless, of which system the Ruth cell site will be a part. Bluegrass Cellular Inc. provides management services to Bluegrass Wireless 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 attached as 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 attached as 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 attached as 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 attached as Exhibit “E”.

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

13. Pursuant to KRS 278.665(2), applicant’s legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the property where the proposed cellular antenna tower will be located has been:

(i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

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

15. Pursuant to 807 KAR 5:063 § 1 (1)(n), applicant’s legal counsel hereby affirms that the office of the Pulaski 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 office of the Pulaski County Judge Executive is attached as 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 “**Bluegrass Wireless LLC 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 “**Bluegrass Wireless LLC 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 attached as Exhibit "I".

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

21. Pursuant to 807 KAR 5:063 §1(1)(s), Bluegrass Wireless 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. Bluegrass Wireless 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), attached as Exhibit "J" is 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

23. Pursuant to KAR 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 attached as Exhibit "K".

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

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

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

WHEREFORE, Bluegrass Wireless requests the Commission to enter an order:

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

Respectfully submitted,



---

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



# LUKAS, NACE, GUTIERREZ & SACHS

CHARTERED

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

WWW.FCCLAW.COM

RUSSELL D. LUKAS  
DAVID L. NACÉ  
THOMAS GUTIERREZ\*  
ELIZABETH R. SACHS\*  
GEORGE L. LYON, JR.  
PAMELA L. GIST  
DAVID A. LAFURIA  
TODD SLAMOWITZ\*  
B. LYNN F. RATNAVALE\*  
STEVEN M. CHERNOFF\*  
KATHERINE PATSAS\*

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

\*NOT ADMITTED IN VA

February 6, 2008

Telephone

(703) 584-8668

## Via Federal Express

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

Dear Mr. Houlihan:

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

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

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

Sincerely,  
  
Leila Rezanavaz  
Consulting Engineer

Enclosures

CC: Doug Updegraff

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

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

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

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

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

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

3. Application for:  New Construction  Alteration  Existing

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

5. Work Schedule: Start 3/20/08 End 3/25/08

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

7. Marking/Painting and/or Lighting Preferred:

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

8. FAA Aeronautical Study Number 2008-ASO-693-OE

9. Latitude: 37 ° 4 ' 25 " 91 "

10. Longitude: 84 ° 30 ' 38 " 13 "

11. Datum:  NAD 83  NAD 27  Other \_\_\_\_\_

12. Nearest Kentucky City Somerset County: Pulaski

13. Nearest Kentucky public use or Military airport:

Somerset-Pulaski Co. - J.T. Wilson Field Airport

14. Distance from #13 to Structure: 6.0 miles

15. Direction from #13 to Structure: ENE

16. Site Elevation (AMSL): 1055 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1310 Feet

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

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

Site is located at:  
4832 Highway 192  
Somerset, KY 42501

21. Description of Proposal:

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

ERP: 250 watts

Frequencies: PCS Block C

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1)

been filed with the Federal Aviation Administration?

No

Yes, When 2/5/08

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

Leila Rezanavaz / Consulting Engineer

*Leila Rezanavaz*

2/6/08

Printed Name

Signature

Date

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

Commission Action:

Chairman, KAZC

Administrator, KAZC

Approved

Disapproved

Date \_\_\_\_\_

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

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

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

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

9. Latitude: 37 4 25 91
10. Longitude: 84 30 38 13

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

12. Nearest Kentucky City Somerset County Pulaski

13. Nearest Kentucky public use or Military airport: Somerset-Pulaski Co. J.T. Wilson Field Airport

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

14. Distance from #13 to Structure: 6.0 miles

15. Direction from #13 to Structure: ENE

16. Site Elevation (AMSL): 1055 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1310 Feet

3. Application for: [X] New Construction [ ] Alteration [ ] Existing

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

5. Work Schedule: Start 3/20/08 End 3/25/08

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

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

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)

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

Site is located at:
4832 Highway 192
Somerset, KY 42501

8. FAA Aeronautical Study Number 2008-ASO-693-0E

21. Description of Proposal:

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

ERP: 250 watts

Frequencies: PCS Block C

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

[ ] No
[X] Yes, When 2/5/08

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

Signature: Leila Rezanavaz

Date: 2/6/08

Printed Name

Signature

Date

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

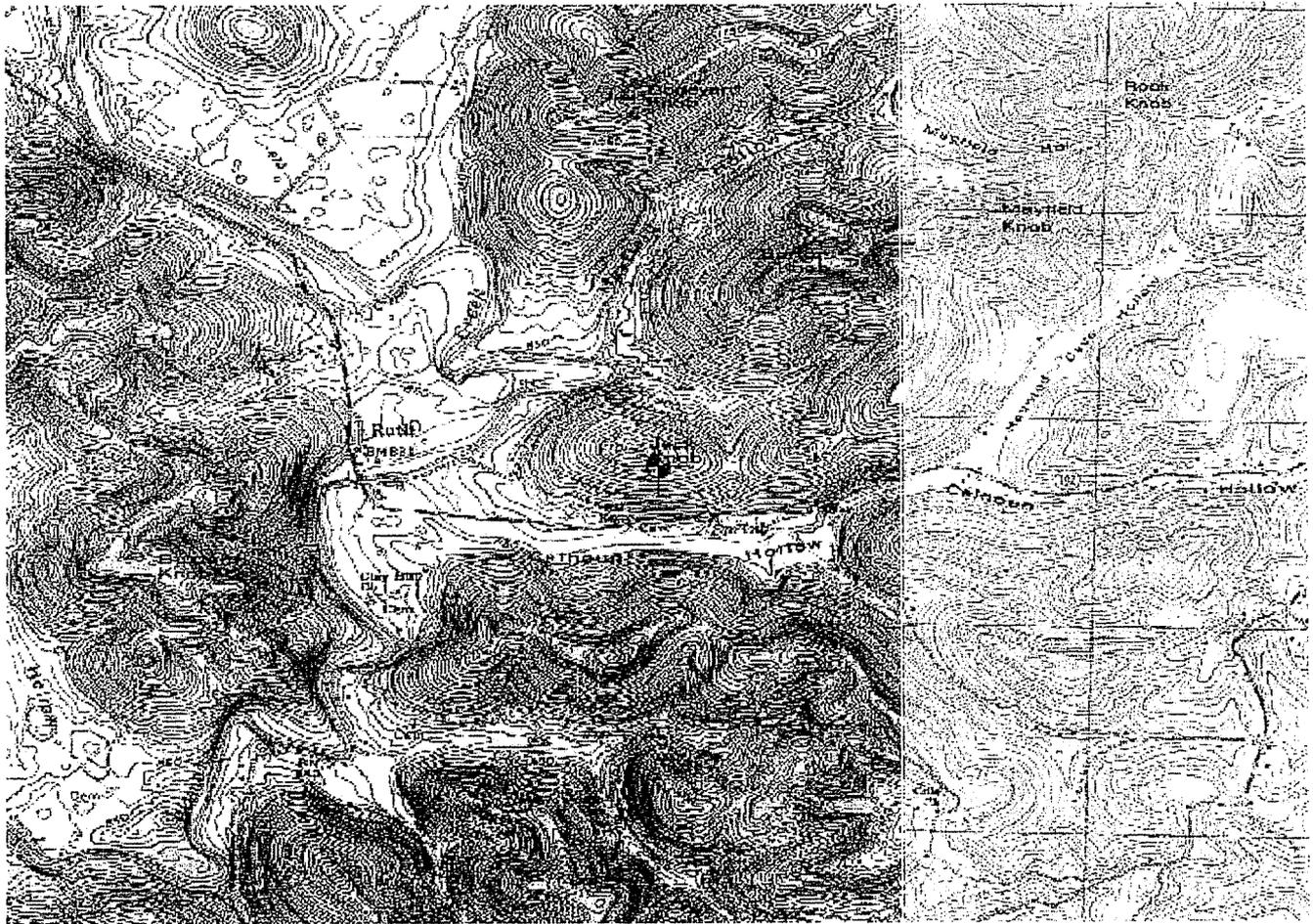
Commission Action:

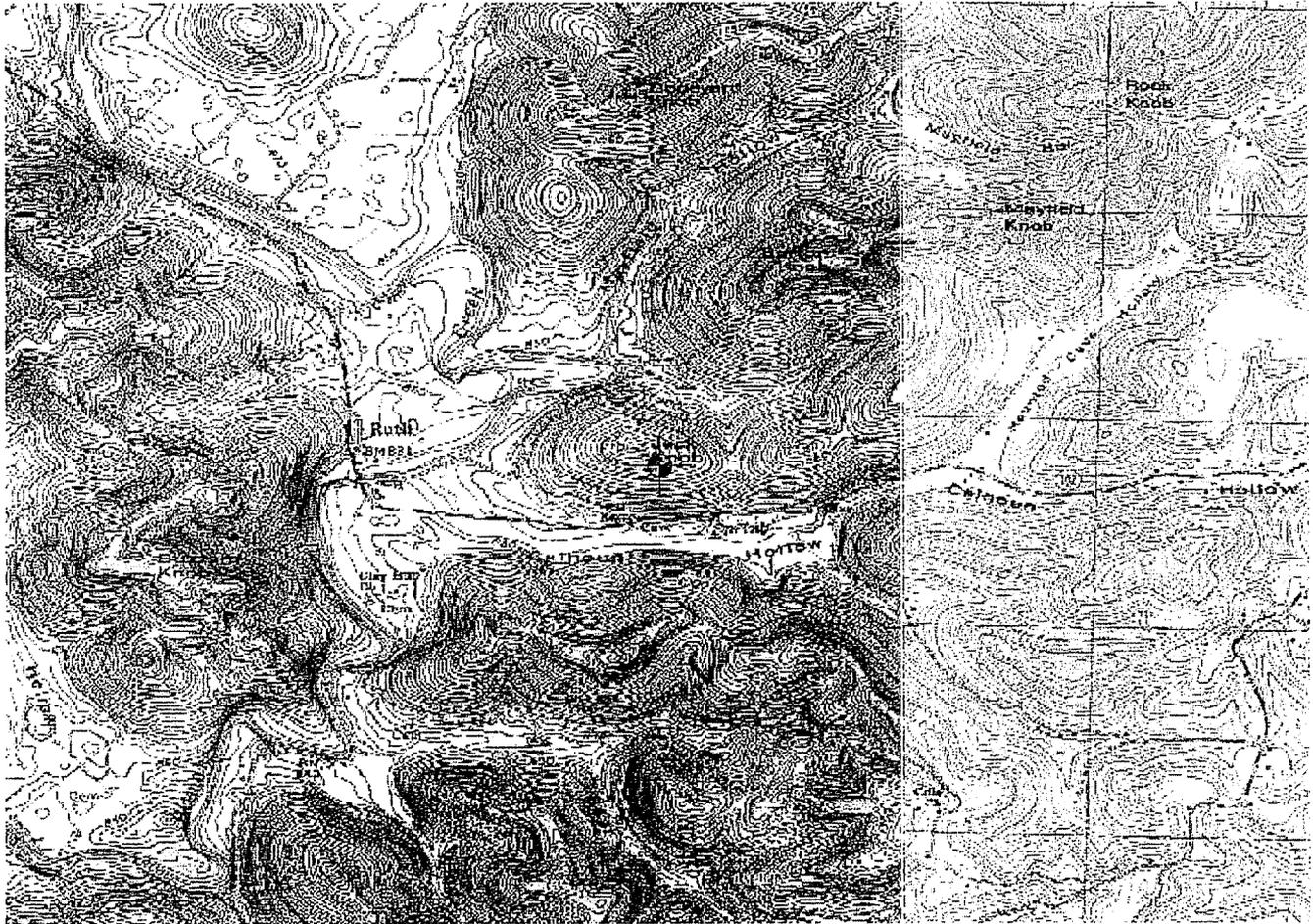
[ ] Chairman, KAZC

[ ] Administrator, KAZC

[ ] Approved
[ ] Disapproved

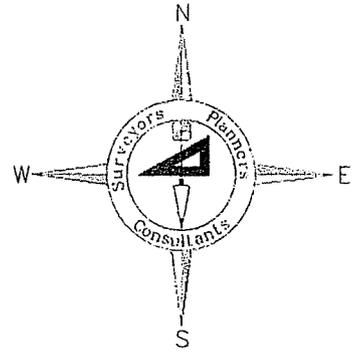
Date





# Landmark Surveying Co., Inc.

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



15 N.E. 3rd Street  
Washington, Indiana 47501  
Phone: 812-257-0950  
Fax: 812-257-0953  
E-mail: landmark@dmrtc.net

## 2C Certification

December 18, 2007

Designation: Ruth  
Site ID No.: Not Available  
Tower Type: Proposed Self-Support Tower  
Location: 4832 Highway 192, Somerset, KY 42501

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

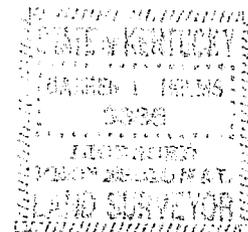
Latitude:	37 degrees 04 minutes 25.91 seconds North	(NAD 1983)
Longitude:	84 degrees 30 minutes 38.13 seconds West	(NAD 1983)
Ground Elevation:	1,054.8 feet or 321.50 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

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

The information shown above is based upon field observations made on December 5, 2007 using the National Geodetic Survey monument "SOMERPORT" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop Companion 2008 software.

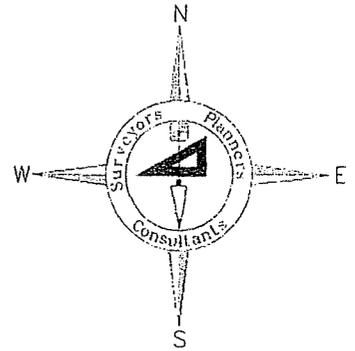
Landmark Surveying Co., Inc.

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



# Landmark Surveying Co., Inc.

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



15 N.E. 3rd Street  
Washington, Indiana 47501  
Phone: 812-257-0950  
Fax: 812-257-0953  
E-mail: landmark@dmrtc.net

## 2C Certification

December 18, 2007

Designation: Ruth  
Site ID No.: Not Available  
Tower Type: Proposed Self-Support Tower  
Location: 4832 Highway 192, Somerset, KY 42501

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

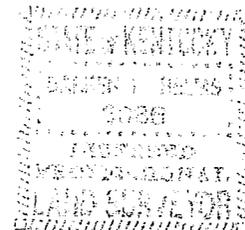
Latitude:	37 degrees 04 minutes 25.91 seconds North	(NAD 1983)
Longitude:	84 degrees 30 minutes 38.13 seconds West	(NAD 1983)
Ground Elevation:	1,054.8 feet or 321.50 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

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

The information shown above is based upon field observations made on December 5, 2007 using the National Geodetic Survey monument "SOMERPORT" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop Companion 2008 software.

Landmark Surveying Co., Inc.

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



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

**Project Name:** BLUEG-000087476-08 **Sponsor:** Bluegrass Wireless, LLC.

**Details for Case : Ruth**

Show Project Summary

<b>Case Status</b>		<b>ASN:</b> 2008-ASO-693-OE		<b>Date Accepted:</b> 02/05/2008	
<b>Status:</b> Accepted				<b>Date Determined:</b>	
				<b>Letters:</b> None	
<b>Construction / Alteration Information</b>			<b>Structure Summary</b>		
<b>Notice Of:</b> Construction		<b>Structure Type:</b> Antenna Tower			
<b>Duration:</b> Permanent		<b>Structure Name:</b> Ruth			
<i>if Temporary :</i> Months: Days:		<b>FCC Number:</b>			
<b>Work Schedule - Start:</b> 03/20/2008		<b>Prior ASN:</b>			
<b>Work Schedule - End:</b> 03/25/2008					
<b>State Filing:</b> Filed with State					
<b>Structure Details</b>			<b>Common Frequency Bands</b>		
<b>Latitude:</b> 37° 4' 25.91" N		<b>Low Freq</b>	<b>High Freq</b>	<b>Freq Unit</b>	<b>ERP</b>
<b>Longitude:</b> 84° 30' 38.13" W		1850	1910	MHz	1640
<b>Horizontal Datum:</b> NAD83		1930	1990	MHz	1640
<b>Site Elevation (SE):</b> 1055 (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> Somerset					
<b>Nearest State:</b> Kentucky					
<b>Description of Location:</b> Site is located at: 4832 Highway 192 Somerset, KY 42501					
<b>Description of Proposal:</b> Proposed sel-support tower with top-mounted antennas for overall height of 255' AGL.					
			<b>Specific Frequencies</b>		

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

**Project Name:** BLUEG-000087476-08 **Sponsor:** Bluegrass Wireless, LLC.

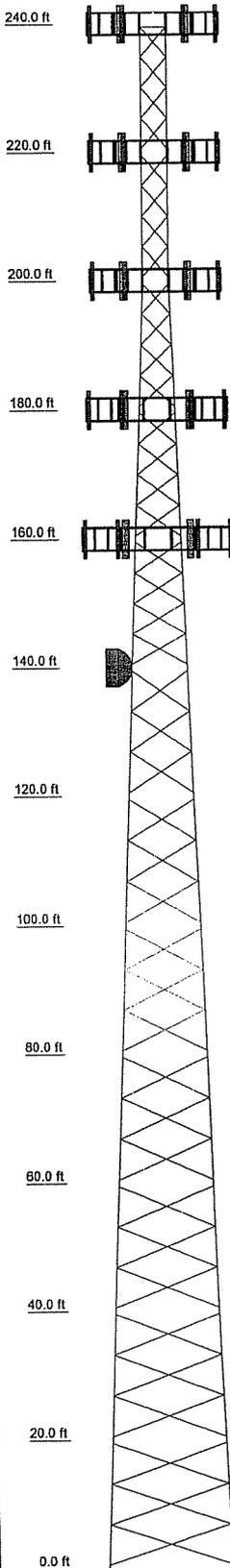
**Details for Case : Ruth**

Show Project Summary

<b>Case Status</b>		<b>Structure Summary</b>	
<b>ASN:</b> 2008-ASO-693-OE	<b>Date Accepted:</b> 02/05/2008	<b>Structure Type:</b> Antenna Tower	
<b>Status:</b> Accepted	<b>Date Determined:</b>	<b>Structure Name:</b> Ruth	
	<b>Letters:</b> None	<b>FCC Number:</b>	
<b>Construction / Alteration Information</b>		<b>Prior ASN:</b>	
<b>Notice Of:</b> Construction			
<b>Duration:</b> Permanent			
<i>if Temporary :</i> Months: Days:			
<b>Work Schedule - Start:</b> 03/20/2008			
<b>Work Schedule - End:</b> 03/25/2008			
<b>State Filing:</b> Filed with State			
<b>Structure Details</b>		<b>Common Frequency Bands</b>	
<b>Latitude:</b> 37° 4' 25.91" N	<b>Low Freq</b> 1850	<b>High Freq</b> 1910	<b>Freq Unit</b> MHz
<b>Longitude:</b> 84° 30' 38.13" W	1930	1990	<b>ERP</b> 1640
<b>Horizontal Datum:</b> NAD83			<b>ERP Unit</b> W
<b>Site Elevation (SE):</b> 1055 (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> Somerset			
<b>Nearest State:</b> Kentucky			
<b>Description of Location:</b> Site is located at: 4832 Highway 192 Somerset, KY 42501			
<b>Description of Proposal:</b> Proposed sel-support tower with top-mounted antennas for overall height of 255' AGL.			
	<b>Specific Frequencies</b>		



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 3/4	SR 4	SR 4 1/4	SR 4 1/4	SR 4 1/4	SR 4 1/4	
Leg Grade	L1 1/2x1 1/2x3/16												
Diagonals	L1 3/4x1 3/4x3/16												
Diagonal Grade	A572-50												
Top Girts	L2x2x3/16												
Face Width (ft)	4	5.5	7	8.5	10	11.5	13	14.5	16	17.5	19	32.8	
# Panels @ (ft)	20 @ 4.75												
Weight (K)	0.8	1.1	1.3	1.6	2.0	2.6	2.7	3.6	4.1	4.8	4.9		



**DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
(2) D100-0042-0041 (Initial)	240	T frame sector Mount (Future Carrier 2)	200
(2) D100-0042-0041 (Initial)	240	(2) RWB 80014/120 (Future)	180
(2) D100-0042-0041 (Initial)	240	(2) RWB 80014/120 (Future)	180
Lightning Rod 1"x10" (Initial)	240	(2) RWB 80014/120 (Future)	180
Flash Beacon Lighting (Initial)	240	T frame sector Mount (Future Carrier 3)	180
T frame sector Mount (Initial)	240	T frame sector Mount (Future Carrier 3)	180
T frame sector Mount (Initial)	240	T frame sector Mount (Future Carrier 3)	180
(2) RWB 80014/120 (Future)	220	(2) RWB 80014/120 (Future)	160
(2) RWB 80014/120 (Future)	220	(2) RWB 80014/120 (Future)	160
(2) RWB 80014/120 (Future)	220	(2) RWB 80014/120 (Future)	160
T frame sector Mount (Future Carrier 1)	220	T frame sector Mount (Future Carrier 4)	160
T frame sector Mount (Future Carrier 1)	220	T frame sector Mount (Future Carrier 4)	160
(2) RWB 80014/120 (Future)	200	T frame sector Mount (Future Carrier 4)	160
(2) RWB 80014/120 (Future)	200	(2) RWB 80014/120 (Future)	140
(2) RWB 80014/120 (Future)	200		
T frame sector Mount (Future Carrier 2)	200		
T frame sector Mount (Future Carrier 2)	200		

**MATERIAL STRENGTH**

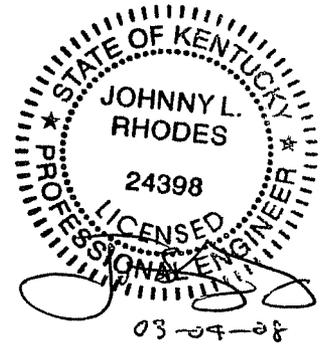
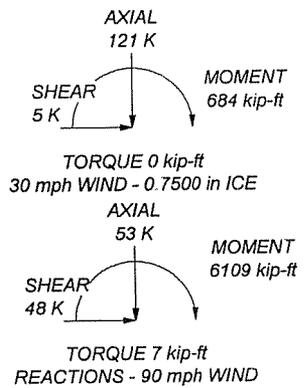
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

**TOWER DESIGN NOTES**

1. Tower is located in Pulaski County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard
4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Structure Class = II
7. Topographic Category = 1
8. Please see feedline plan for proper feedline placement. Deviation from plan may result in reduced tower capacity.
9. Final Design 03/04/08 JLR

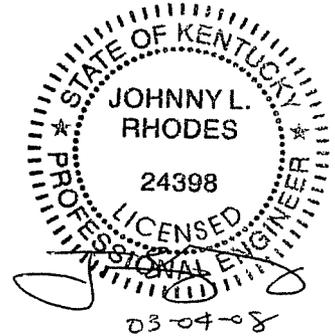
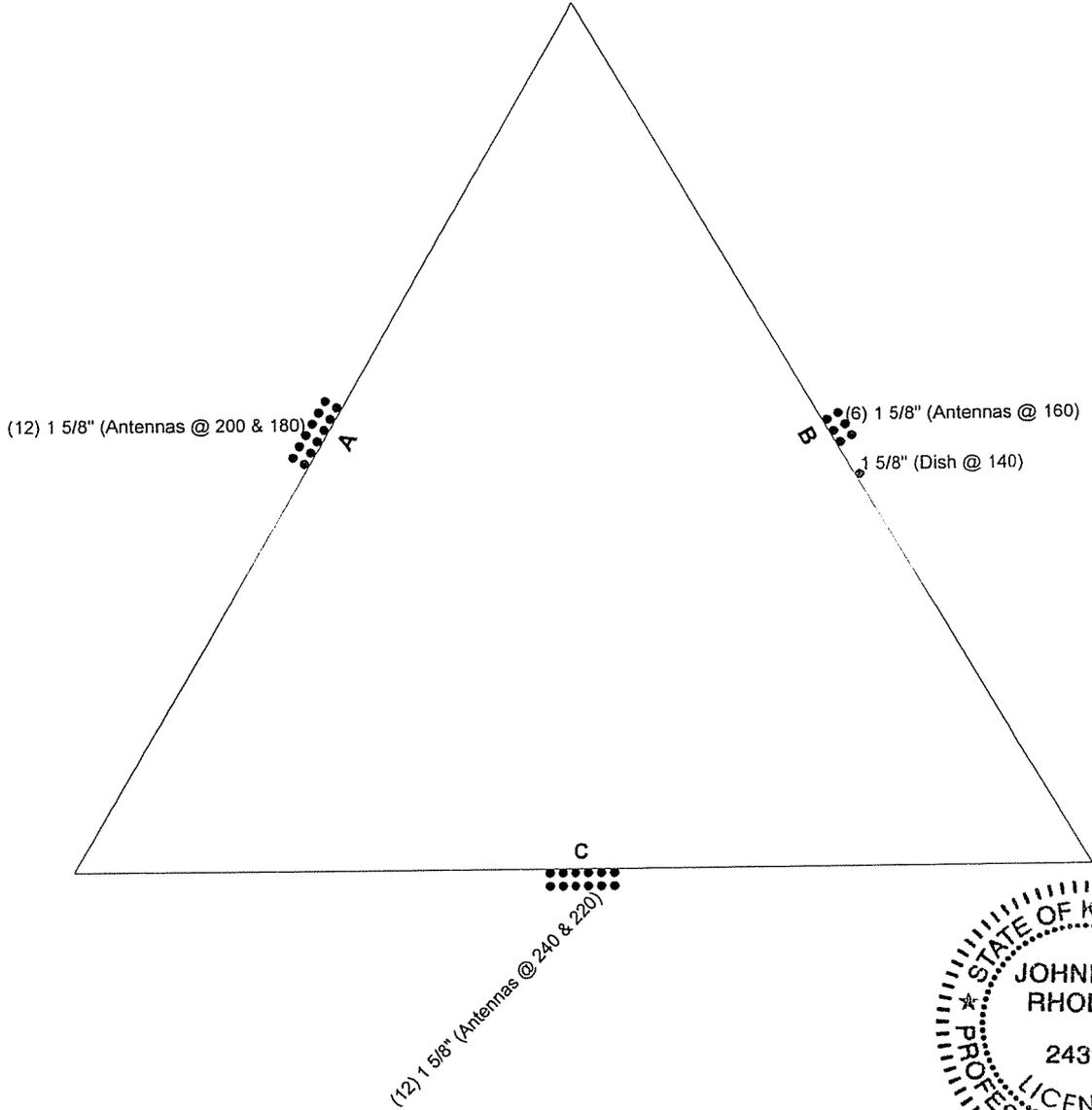
**MAX. CORNER REACTIONS AT BASE:**

DOWN: 389 K  
 UPLIFT: -339 K  
 SHEAR: 28 K



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

Job: <b>EII Job #2794--Ruth</b>	Project: <b>240' SST/Pulaski County, KY</b>	Client: <b>Bluegrass Cellular</b>	Drawn by: <b>Johnny L. Rhodes, P.E.</b>	App'd:
Code: <b>TIA-222-G</b>	Date: <b>03/04/08</b>	Scale: <b>NTS</b>	Dwg No: <b>E-1</b>	



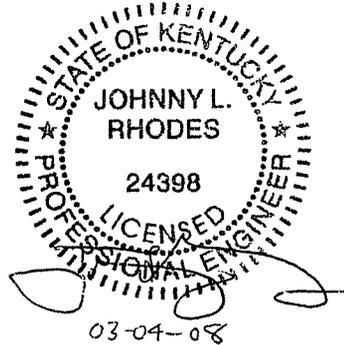
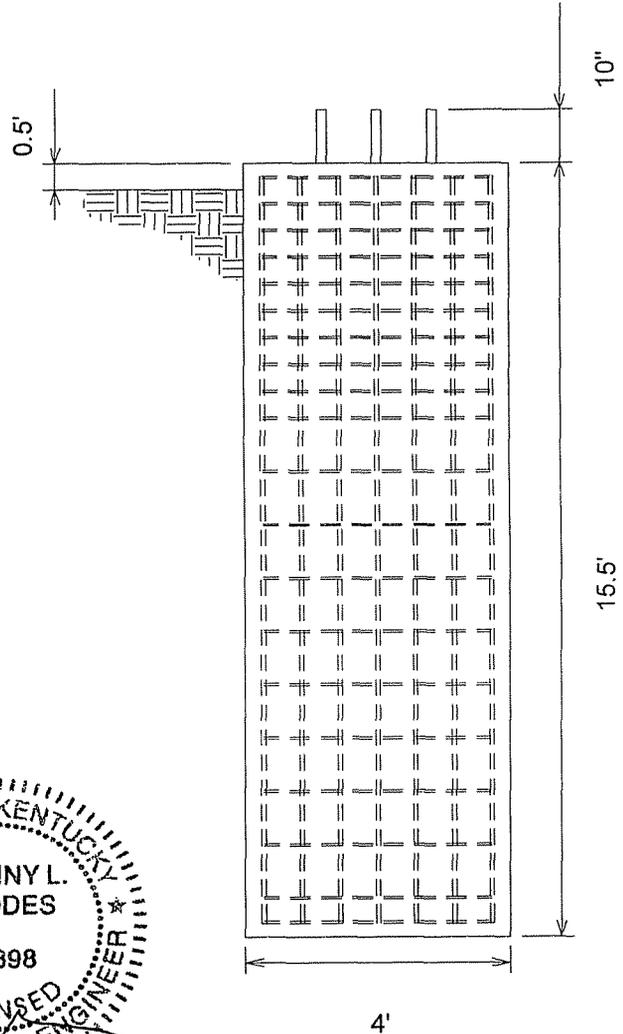
<b>Eastpointe Engineering Group, LLC</b> 4020 Tull Ave Muskogee, OK 74403 Phone: 918.683.2169 FAX: 918.682.7618	Job: <b>EII Job #2794--Ruth</b>		
	Project: <b>240' SST/Pulaski County, KY</b>		
	Client: Bluegrass Cellular	Drawn by: Johnny L. Rhodes, P.E.	App'd:
	Code: TIA-222-G	Date: 03/04/08	Scale: NTS
	Path: Z:\Project Files\2700 Series\2704 Ruth\Engineering\Final\Towers\Design\2704_240sst_Ruth.ed		Dwg No E-7

# CAISSON DESIGN

<b>Vertical Bars</b>	(16) #9 bars, 15' long
<b>Ties</b>	#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 #57077355 Dated 02/29/08.  
Use (6) 1 1/4" F1554 Grade 105 Anchor Bolts w/ min 50" embedment.

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

Client:	<b>Bluegrass Cellular</b>	
Site:	<b>Ruth</b>	
Job:	2794	Drawn by: JLR
Scale:	NTS	Date: 03/04/08

**GEOTECHNICAL ENGINEERING REPORT**

**RUTH TELECOMMUNICATION TOWER  
4824 HIGHWAY 192  
SOMERSET, KENTUCKY**

**TERRACON PROJECT NO. 57077355  
February 29, 2008**

*Prepared For:*

**BLUEGRASS CELLULAR PARTNERSHIP  
Elizabethtown, Kentucky**

*Prepared by:*

**Terracon**

**Louisville, Kentucky**

**Terracon**

February 29, 2008

**Terracon**  
Consulting Engineers & Scientists

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

Attention: Mr. Doug Updegraff

**Re: Geotechnical Engineering Report  
Ruth Telecommunication Tower  
4824 Highway 192  
Somerset, Kentucky  
Terracon Project No. 57077355**

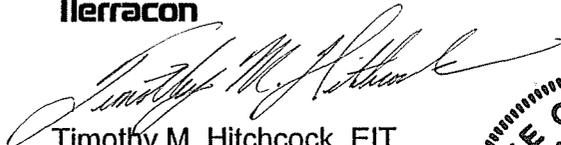
Dear Mr. Updegraff:

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

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

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

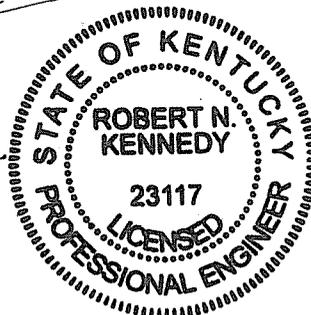
Sincerely,  
**Terracon**



Timothy M. Hitchcock, EIT  
Staff Engineer



Robert N. Kennedy, P.E.  
Kentucky No.: 23117



Timothy G. LaGrow, P.E.  
Regional Manager

Copies: (4) Addressee

## TABLE OF CONTENTS

Cover Letter .....	i
<b>1.0 INTRODUCTION.....</b>	<b>1</b>
<b>2.0 PROJECT DESCRIPTION.....</b>	<b>1</b>
<b>3.0 EXPLORATION PROCEDURES .....</b>	<b>1</b>
3.1 Field Exploration .....	1
3.2 Laboratory Testing.....	3
<b>4.0 EXPLORATORY FINDINGS .....</b>	<b>3</b>
4.1 Subsurface Conditions.....	3
4.2 Site Geology .....	4
4.3 Groundwater Conditions .....	4
<b>5.0 ENGINEERING RECOMMENDATIONS .....</b>	<b>4</b>
5.1 Tower Foundation.....	5
5.2 Equipment Building Foundations .....	7
5.3 Parking and Drive Areas .....	7
5.4 Site Preparation .....	8
5.5 Resistivity Analysis .....	8
<b>6.0 GENERAL COMMENTS.....</b>	<b>8</b>
<b>APPENDIX</b>	
Boring Location Plan	
Boring Log	
Soil Resistivity Test Results Sheet	
General Notes	
General Notes – Description of Rock Properties	
Unified Soil Classification System	

# GEOTECHNICAL ENGINEERING REPORT

RUTH TELECOMMUNICATION TOWER  
4824 HIGHWAY 192  
SOMERSET, KENTUCKY  
TERRACON PROJECT NO. 57077355  
February 29, 2008

## 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 15 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 lattice 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 subject site consists of an approximate 100- by 100-foot parcel of forested land located near the top of Jack Knob at 4824 Highway 192 in Somerset, Pulaski County, Kentucky. The site has about 5 feet of elevational relief. We have assumed cuts and/or fills of about 2 feet 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 15 feet below existing grade. The boring was advanced at the center of the tower, staked by the project surveyor. The ground surface elevation at the boring location was obtained from drawings and information provided by the client. The location and elevation of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

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

Auger refusal was encountered at a depth of about 5 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. 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 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.

Our boring encountered fat clay (CH) to the auger refusal depth of about 5 feet below existing grade. The clay exhibited a stiff to hard consistency based on SPT N-values of 10 and 30 blows per foot (bpf). The elevated N-value was likely due to rock fragments suspended in the soil matrix.

Below a depth of about 5 feet, rock coring techniques were used to advance the borehole. The recovered core samples consisted of severe to moderately weathered, light to dark brown and black, soft to moderately hard shale with moderately to slightly weathered, closely jointed, medium gray, hard limestone with seams up to about 1 foot thick. The bedrock at the site appears to be relatively continuous based on core recovery of 98 percent. The quality of the rock is rated at poor based on a RQD value of 33 percent. Considering the height of the tower and the quality of the bedrock, coring operations were terminated at a depth of 15 feet below grade.

## **4.2 Site Geology**

A review of the Geologic Quadrangle Map, Somerset Quadrangle, Kentucky (dated 1974), published by the United States Geological Survey (USGS) indicates that the site is underlain by the Pennington Formation, which consists primarily of shale with limestone and siltstone.

## **4.3 Groundwater Conditions**

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

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

## **5.0 ENGINEERING RECOMMENDATIONS**

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

5.1 Tower Foundation

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

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

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, & <sub>50</sub> (in/in)
0 - 3	Topsoil Fat Clay	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 - 5	Fat Clay	400	Ignore	1,250	0	1,250	100	0.008
5 - 10	Shale with Interbedded Limestone	1,500***	20,000	3,000***	0	30,000***	1,000	0.0001
10 - 15	Shale with Interbedded Limestone	2,500	20,000	5,000	0	50,000***	2,500	0.00001

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

\*\* A total unit weight of 115 and 130 pcf can be estimated for the lean clay and shale, respectively.

\*\*\* The parameters have been reduced to take into account the shallow overburden. The pier should be embedded a minimum of 3 feet into bedrock to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have factors of safety of 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on the boring, published correlation values and Terracon's past experience with similar soil/rock types. These values should, therefore, be considered approximate. To mobilize the higher rock strength parameters, the pier should be socketed at least 3 feet into bedrock. Furthermore, it is assumed that the rock socket is developed using coring rather than blasting techniques. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. Total settlement of drilled piers designed using the above parameters is not anticipated to exceed ½ inch.

The upper 3 feet of topsoil and fat clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in uplift and lateral resistance caused by variable bedrock depths and bedrock quality, it is recommended that a minimum pier length and minimum rock socket length be stated on the design drawings. Bedrock was encountered in our boring below a depth of about 5 feet, but could vary between tower legs, or if the tower is moved from the location of our boring. Considering the site geology, variable rock depths should be anticipated if the tower location is moved from the location of the boring. If the tower center is moved from the planned location, Terracon should be notified to review the recommendations and determine whether an additional boring is required. To

facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

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

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

**Mat Foundation Alternative:** The mat foundation can be designed using the following natural soil/engineered fill parameters. Higher bearing pressures are available if the mat rests entirely on bedrock, however the proposed loading usually does not warrant higher values. These parameters are based on the findings of the boring, a review of published correlation values and Terracons experience with similar soil conditions. These design parameters also assume that the base of the mat foundation will rest on natural soils or well-graded crushed stone that is compacted and tested on a full time basis. The gently sloping site and relatively shallow overburden may result in slight excavation difficulties to achieve a level bearing pad. These difficulties could include bedrock excavation.

**Table 3 - Mat Foundation Design Parameters**

Depth (feet)	Description	Allowable Contact Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Coefficient of Friction, $\tan \delta$	Vertical Modulus of Subgrade Reaction (pci)
0 - 3	Topsoil and Fat Clay	Ignore	Ignore	-	
$\geq 3$	Fat Clay or Crushed Stone Fill	3,000	Ignore	0.35	150

It is important to note that potentially expansive high plasticity clay was encountered to the auger refusal depth of about 5 below existing grade. Assuming the concrete mat is at least 2 feet thick with ample steel reinforcement, we anticipate that ground movement associated with shrinkage and swelling of the clay will have minimal influence on the mat foundation. It is however recommended that the mat bear at least 3 feet below final exterior grade to minimize the affects of seasonal changes in soil water content. Consideration could also be given to excavating the fat clay to a depth of at least 3 feet and backfilling the excavation with crushed stone fill up to the planned bearing elevation.

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

## **5.2 Equipment Building Foundations**

The proposed equipment shed may be supported on shallow footings bearing on stiff natural soils. The equipment building foundations should be dimensioned using a net allowable soil bearing pressure of 2,500 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2 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 materials should consist of well graded crushed stone below the tower foundation and well graded crushed stone or low plasticity cohesive soil elsewhere. Low-plasticity cohesive soil should have a liquid limit of less than 45 percent and a plasticity index of less than 25 percent. The on site soils are not considered suitable for re-use as fill due to their high plasticity. It is recommended that during construction these soils should be further tested and evaluated prior to use as fill. Fill should not contain frozen material and it should not be placed on a frozen subgrade.

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

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

#### **5.5 Resistivity Analysis**

Resistivity of the subsurface soils was measured at the site using a Nilsson Model 400 soil resistivity meter. The Wenner Vertical Profiling Method was used. With this array, potential electrodes are centered on a traverse line between the current electrodes and an equal "A" spacing between electrodes is maintained. Resistivity measurements were taken along 2 traverses located along the perimeter of the staked tower compound. Individual resistivity values at 5, 10, 15, 20, 30 and 40 foot spacings are presented on the soil resistivity test sheet in the Appendix.

#### **6.0 GENERAL COMMENTS**

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

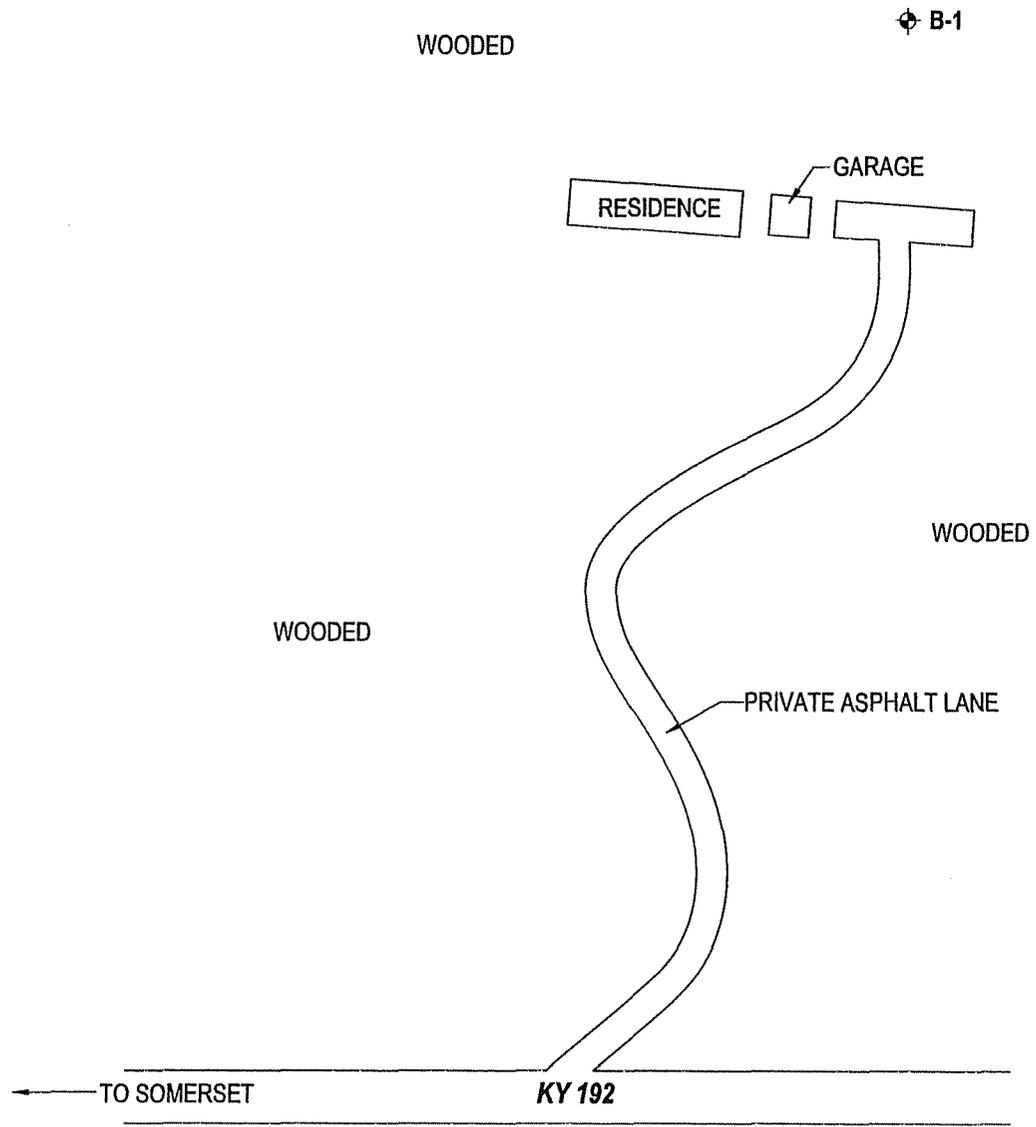
provide testing and observation during excavation, grading, foundation and construction phases of the project.

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

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

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

## **APPENDIX**



**LEGEND**

⊕ APPROXIMATE BORING LOCATION



NOT TO SCALE

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

Project Mgr: TMH	Project No. 57077355		BORING LOCATION DIAGRAM		FIG. No.
Drawn By: DWD	Scale: AS SHOWN		GEOTECHNICAL ENGINEERING REPORT		1
Checked By: TMH/MRF	File No. GEO57077355-1		RUTH		
Approved By: EH	Date: NOV. 2007		4824 HIGHWAY 192 SOMERSET, KY 42501		
		4545 Bishop Lane, Suite 101 (502) 458-1256	Louisville, KY 40218 (502) 458-1278		





Project: Ruth Tower  
Project No.: 57077355  
Performed By: APS  
Checked By: TMH

## Soil Resistivity

### At-Grade Measurements (equal rod spacing)

Location	Depth of Interest (feet)	Electrode Spacing from Center (feet)		Resistance (ohms)	Resistivity (ohm-cm)
		Inner	Outer		
R-1 (North-South)	5	2.5	7.5	1.41	1350
	10	5	15	0.85	1628
	15	7.5	22.5	0.67	1925
	20	10	30	0.66	2528
	30	15	45	0.61	3504
	40	20	60	0.6	4519
R-1 (East-West)	5	2.5	7.5	1.19	1139
	10	5	15	0.62	1187
	15	7.5	22.5	0.58	1666
	20	10	30	0.54	2068
	30	15	45	0.66	3792
	40	20	60	0.7	5285

Resistivity (ohm-cm) =  $2 \cdot \pi \cdot a \cdot R \cdot 30.48$

R = resistivity

a = electrode spacing

Equipment Usage: Amec Model 4500 Digital Ground Resistance Tester

Additional Notes: \_\_\_\_\_  
\_\_\_\_\_

## GENERAL NOTES

### DRILLING & SAMPLING SYMBOLS:

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

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

### WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

#### CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 - 1,000	2-4	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>

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

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

<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.

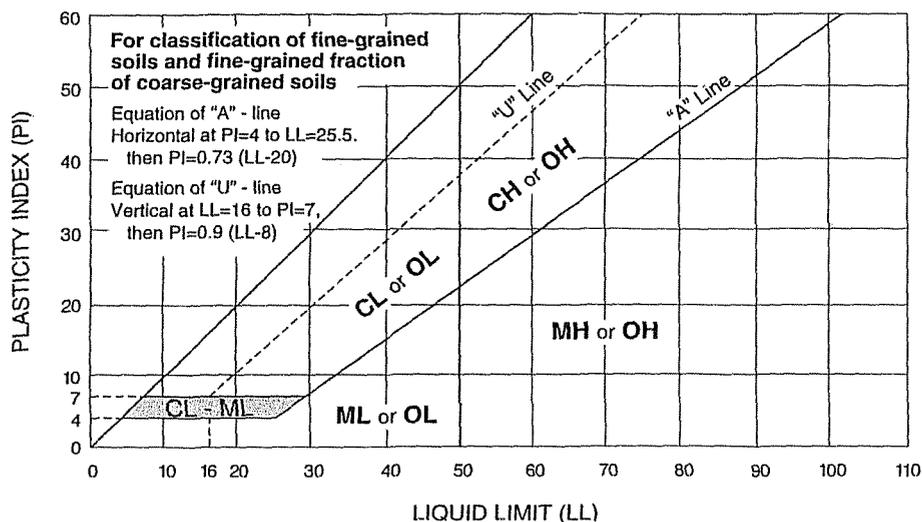
<sup>M</sup>If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

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

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

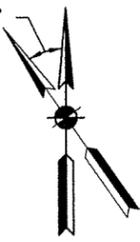
<sup>P</sup> $PI$  plots on or above "A" line.

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



# Terracon

True North  
00°45'06"



# Site: Ruth

## Lease Boundary and Topographic Survey

### Pulaski County, Kentucky

**Lease Boundary and Easement Description**  
A tract of land that is located on the southeast side of Jack Knob about 850 feet north of Kentucky Highway 192 and 0.7 miles easterly of the intersection of said highway with Mayfield Hollow Road in the Ruth Community of Pulaski County, Kentucky; said tract being described as follows:

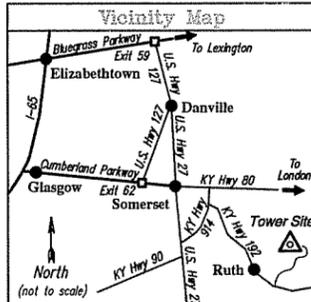
**Basis of Bearings**  
The bearing system of this survey is based upon G.P.S. observations made on December 5, 2007 using the National Geodetic Survey monument "SOMERPORT" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

**Tower Location Information**  
Designation: Ruth  
Site ID#: None  
Horizontal Datum: NAD 1983 (2007)  
Latitude: 37°04'25.91" North  
Longitude: 84°30'38.13" West  
Vertical Datum: NAVD 1988  
Ground Elevation: 1,054.8 feet (321.50 meters)  
State Plane Coordinates:  
Northing: 1,912,405.06 feet (582,902.228 meters)  
Easting: 2,001,987.66 feet (610,207.059 meters)

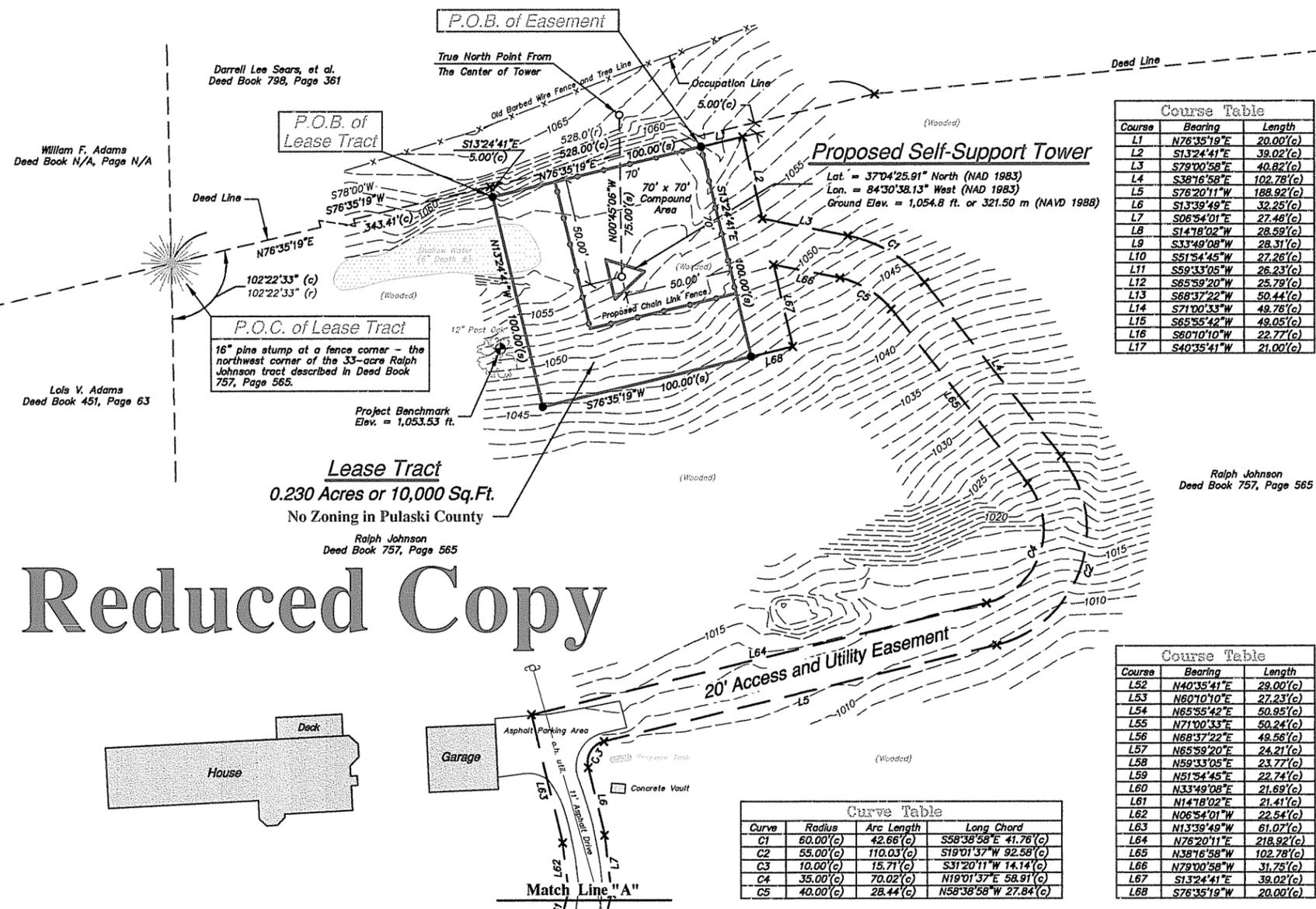
**Owner Information**  
Owner: Ralph Johnson  
Address: 4824 Highway 192  
Somerset, Kentucky 42501  
Contact Person: Ralph Johnson  
Phone: (606) 676-0599  
PVA Map No. 105-0-D-48

**Project Bench Mark**  
Northing: 1,912,372 feet (582,892 meters)  
Easting: 2,001,931 feet (610,190 meters)  
Elevation: 1,053.53 feet (321.17 meters)  
Description: A railroad spike set in the north side of a 12" Post Oak, 12" above grade. The tree is approximately 66 feet west-southwest of the center of the proposed tower.

**Flood Plain Statement**  
According to the Flood Insurance Rate Map for Pulaski County, Kentucky, Unincorporated Areas, Community Panel No. 210197 0225 B, dated July 16, 1990, the subject site lies within "Other Areas - Zone X", which is defined as areas determined to be outside the 500-year flood plain.



**Directions to Site**  
From Elizabethtown, Kentucky: travel east on the Bluegrass Parkway to Exit 59 and U.S. Highway 127 near Lawrenceburg; travel south on U.S. Highway 127 to the south side Danville and U.S. Highway 27; travel south on U.S. Highway 27 to the north side of Somerset and Kentucky Highway 80; turn left onto Kentucky Highway 80 and travel east 2.7 miles to Kentucky Highway 914 (Somerset Bypass); turn right onto Kentucky Highway 914 and travel south 0.4 miles to Kentucky Highway 192; turn left onto Kentucky Highway 192 and travel southeasterly 4.3 miles to an asphalt lane on the left; turn onto the lane and travel northerly 0.2 miles to a house and garage; continue past the house and garage for another 500 feet to the tower site on a wooded hillside.



**Course Table**

Course	Bearing	Length
L1	N76°35'19"E	20.00'(c)
L2	S13°24'41"E	39.02'(c)
L3	S79°00'58"E	40.82'(c)
L4	S38°16'58"E	102.78'(c)
L5	S76°20'11"W	188.92'(c)
L6	S13°39'49"E	32.25'(c)
L7	S08°54'01"E	27.46'(c)
L8	S14°18'02"W	28.59'(c)
L9	S33°49'08"W	28.31'(c)
L10	S81°54'45"W	27.28'(c)
L11	S59°33'05"W	26.23'(c)
L12	S65°59'20"W	25.79'(c)
L13	S68°37'22"W	50.44'(c)
L14	S71°00'33"W	49.78'(c)
L15	S65°55'42"W	49.05'(c)
L16	S80°10'10"W	22.77'(c)
L17	S40°35'41"W	21.00'(c)

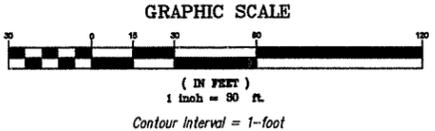
**Course Table**

Course	Bearing	Length
L52	N40°35'41"E	29.00'(c)
L53	N80°10'10"E	27.23'(c)
L54	N65°55'42"E	50.95'(c)
L55	N71°00'33"E	50.24'(c)
L56	N68°37'22"E	49.56'(c)
L57	N65°59'20"E	24.21'(c)
L58	N59°33'05"E	23.77'(c)
L59	N51°54'45"E	22.74'(c)
L60	N33°49'08"E	21.69'(c)
L61	N14°18'02"E	21.41'(c)
L62	N08°54'01"W	22.54'(c)
L63	N13°39'49"W	61.07'(c)
L64	N76°20'11"E	218.92'(c)
L65	N38°16'58"W	102.78'(c)
L66	N79°00'58"W	31.75'(c)
L67	S13°24'41"E	39.02'(c)
L68	S76°35'19"W	20.00'(c)

**Curve Table**

Curve	Radius	Arc Length	Long Chord
C1	60.00'(c)	42.66'(c)	S58°38'58"E 41.76'(c)
C2	55.00'(c)	110.03'(c)	S19°01'37"W 92.58'(c)
C3	10.00'(c)	15.71'(c)	S31°20'11"W 14.14'(c)
C4	35.00'(c)	70.02'(c)	N19°01'37"E 58.91'(c)
C5	40.00'(c)	28.44'(c)	N58°38'58"W 27.84'(c)

- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
  - 5/8" Rebar Set Flush - No Cap
  - ⊙ 1/2" Rebar Found Exposed 6"
  - + Calculated Position - No Monument Found or Set
  - Subject Boundaries
  - Easement Boundaries
  - - - Other Boundaries
  - - - Right of Way
  - ⊙ Utility Pole
  - ⊙ Guy Anchor
  - ⊙ Telephone Pedestal
  - ⊙ Electric Meter
  - (m) Measured
  - (r) Recorded
  - (c) Calculated
  - (s) Set



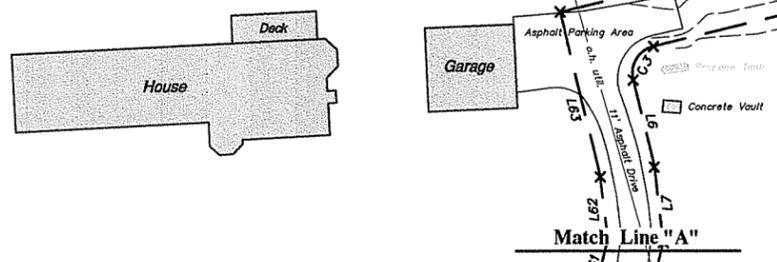
**Surveyor's Certification**  
I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on December 7, 2007 by the method of random traverses with sidestops. The unadjusted precision ratio of the traverse was better than 1:60,000 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

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

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

Dec 18, 2007  
Date

- Surveyor's Notes**
- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
  - No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
  - The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
  - The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
  - According to Barty Bullock, County Judge Executive of Pulaski County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's Office may be contacted at (606) 678-4833 for confirmation.



Landmark Surveying Co., Inc.  
15 N.E. 3rd Street  
Washington, Indiana 47501  
(812) 257-0860  
Email: landmark@msurvey.com  
Project No. 07-12-005

Lease Boundary Survey  
4832 Highway 192  
Somerset, Kentucky 42501

Bluegrass Cellular  
2902 Ring Road  
Elizabethtown, Kentucky 42701

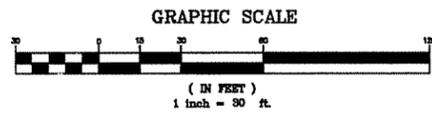
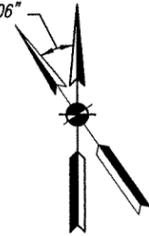
REVISIONS	DATE

DATE	DRAWN BY	CHECKED BY
12-18-07	A. Winkler	D.L. Helms

SHEET NO.  
1  
OF 2 SHEETS  
FILE NO.  
ruth.dwg

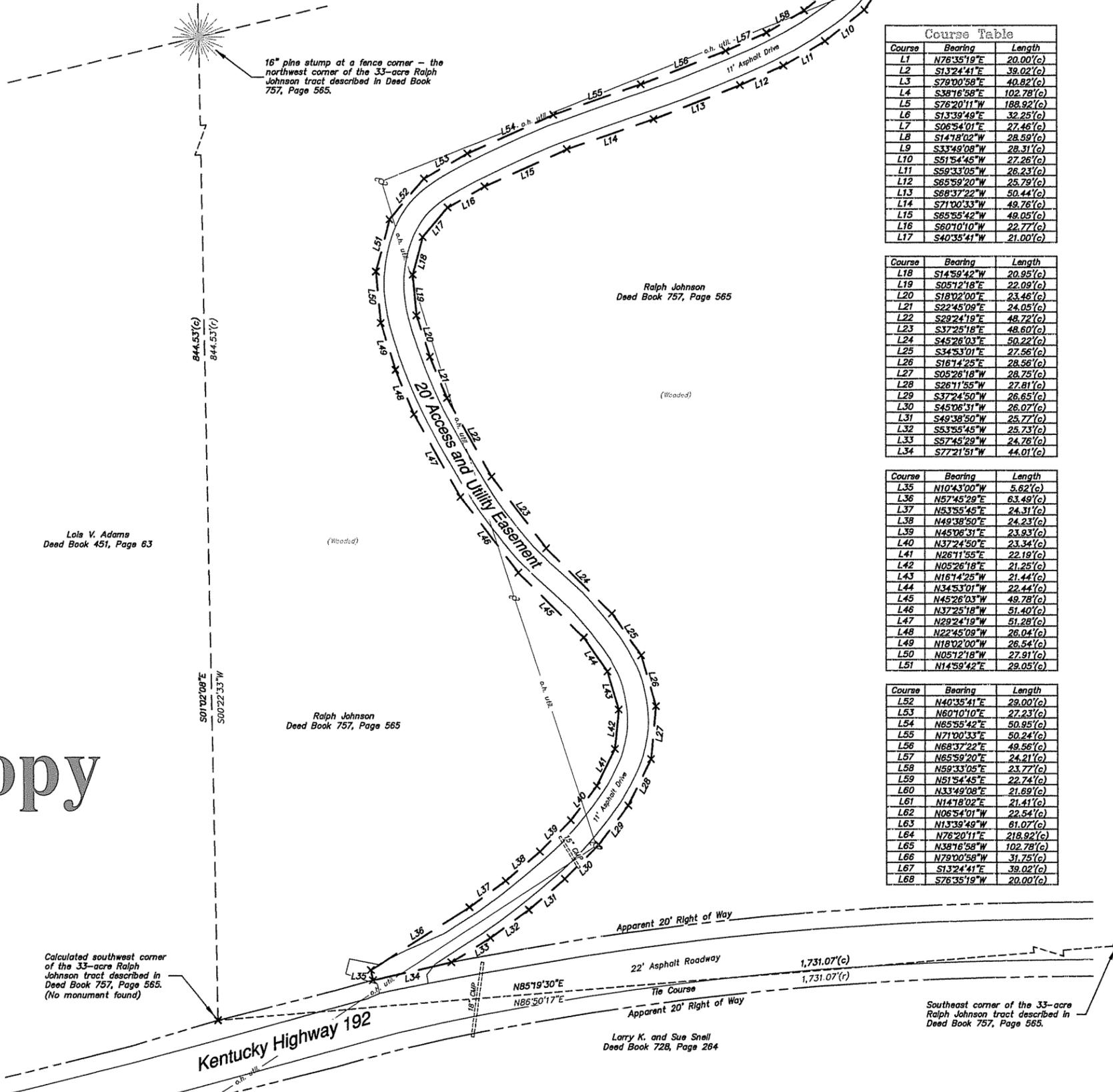
# Site: Ruth Lease Boundary and Topographic Survey Pulaski County, Kentucky

True North  
Grid North  
00°45'06"



**Legend**

- 5/8" Rebar Set Flush With A Survey Cap inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- ⊙ 1/2" Rebar Found Exposed 6"
- + Calculated Position - No Monument Found or Set
- Subject Boundaries
- Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- ⊕ Utility Pole
- ⊙ Guy Anchor
- ⊕ Telephone Pedestal
- ⊕ Electric Meter
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set



Course	Bearing	Length
L1	N76°35'19"E	20.00'(c)
L2	S13°24'41"E	39.02'(c)
L3	S79°00'58"E	40.82'(c)
L4	S38°16'58"E	102.78'(c)
L5	S76°20'11"W	188.92'(c)
L6	S13°39'49"E	32.25'(c)
L7	S06°54'01"E	27.46'(c)
L8	S14°18'02"W	28.59'(c)
L9	S33°49'08"W	28.31'(c)
L10	S51°54'45"W	27.26'(c)
L11	S59°33'05"W	26.23'(c)
L12	S65°59'20"W	25.79'(c)
L13	S68°17'22"W	50.44'(c)
L14	S71°00'33"W	49.76'(c)
L15	S85°55'42"W	49.05'(c)
L16	S60°10'10"W	22.77'(c)
L17	S40°35'41"W	21.00'(c)

Course	Bearing	Length
L18	S14°59'42"W	20.95'(c)
L19	S05°12'18"E	22.09'(c)
L20	S18°02'00"E	23.48'(c)
L21	S22°45'09"E	24.05'(c)
L22	S29°24'19"E	48.72'(c)
L23	S37°25'18"E	48.60'(c)
L24	S45°26'03"E	50.22'(c)
L25	S34°53'01"E	27.56'(c)
L26	S16°14'25"E	28.56'(c)
L27	S05°26'18"W	28.75'(c)
L28	S26°11'55"W	27.81'(c)
L29	S37°24'50"W	26.65'(c)
L30	S45°06'31"W	26.07'(c)
L31	S49°38'50"W	25.77'(c)
L32	S53°55'45"W	25.73'(c)
L33	S57°45'29"W	24.76'(c)
L34	S77°21'51"W	44.01'(c)

Course	Bearing	Length
L35	N10°43'00"W	5.62'(c)
L36	N57°45'29"E	63.49'(c)
L37	N53°55'45"E	24.31'(c)
L38	N49°38'50"E	24.23'(c)
L39	N45°06'31"E	23.93'(c)
L40	N37°24'50"E	23.34'(c)
L41	N26°11'55"E	22.19'(c)
L42	N05°26'18"E	21.25'(c)
L43	N16°14'25"W	21.44'(c)
L44	N34°53'01"W	22.44'(c)
L45	N45°26'03"W	49.78'(c)
L46	N37°25'18"W	51.40'(c)
L47	N29°24'19"W	51.28'(c)
L48	N22°45'09"W	26.04'(c)
L49	N18°02'00"W	26.54'(c)
L50	N05°12'18"W	27.91'(c)
L51	N14°59'42"E	29.05'(c)

Course	Bearing	Length
L52	N40°35'41"E	29.00'(c)
L53	N60°10'10"E	27.23'(c)
L54	N85°55'42"E	50.95'(c)
L55	N71°00'33"E	50.24'(c)
L56	N68°37'22"E	49.56'(c)
L57	N65°59'20"E	24.21'(c)
L58	N59°33'05"E	23.77'(c)
L59	N51°54'45"E	22.74'(c)
L60	N33°49'08"E	21.69'(c)
L61	N14°18'02"E	21.41'(c)
L62	N06°54'01"W	22.54'(c)
L63	N13°39'49"W	81.07'(c)
L64	N76°20'11"E	218.92'(c)
L65	N38°16'58"W	102.78'(c)
L66	N79°00'58"W	31.75'(c)
L67	S13°24'41"E	39.02'(c)
L68	S76°35'19"W	20.00'(c)

# Reduced Copy

Landmark Surveying Co., Inc.  
 15 N.E. 3rd Street  
 Washington, Indiana 47501  
 (812) 257-0860  
 Email: landmark@msurvey.com  
 Project No. 07-12-018

Lease Boundary Survey  
 4832 Highway 192  
 Somerset, Kentucky 42501

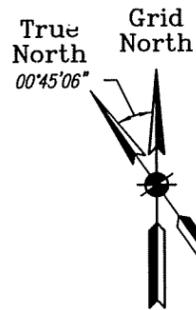
**Bluegrass Cellular**  
 2902 Ring Road  
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 12-18-07  
 DRAWN BY: A. Winkler  
 CHECKED BY: D.L. Helms

SHEET NO.  
**2**  
 OF 2 SHEETS  
 FILE NO.  
 ruth.dwg





# Site: Ruth

## Lease Boundary and Topographic Survey

### Pulaski County, Kentucky

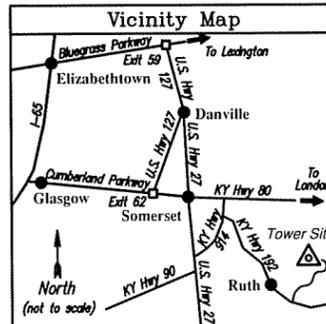
**Basis of Bearings**  
The bearing system of this survey is based upon G.P.S. observations made on December 5, 2007 using the National Geodetic Survey monument "SOMERPORT" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

**Tower Location Information**  
Designation: Ruth  
Site ID#: None  
Horizontal Datum: NAD 1983 (2007)  
Latitude: 37°04'25.91" North  
Longitude: 84°30'38.13" West  
Vertical Datum: NAVD 1988  
Ground Elevation: 1,054.8 feet (321.50 meters)  
State Plane Coordinates  
Northing: 1,912,405.06 feet (582,902.228 meters)  
Easting: 2,001,987.66 feet (610,207.059 meters)

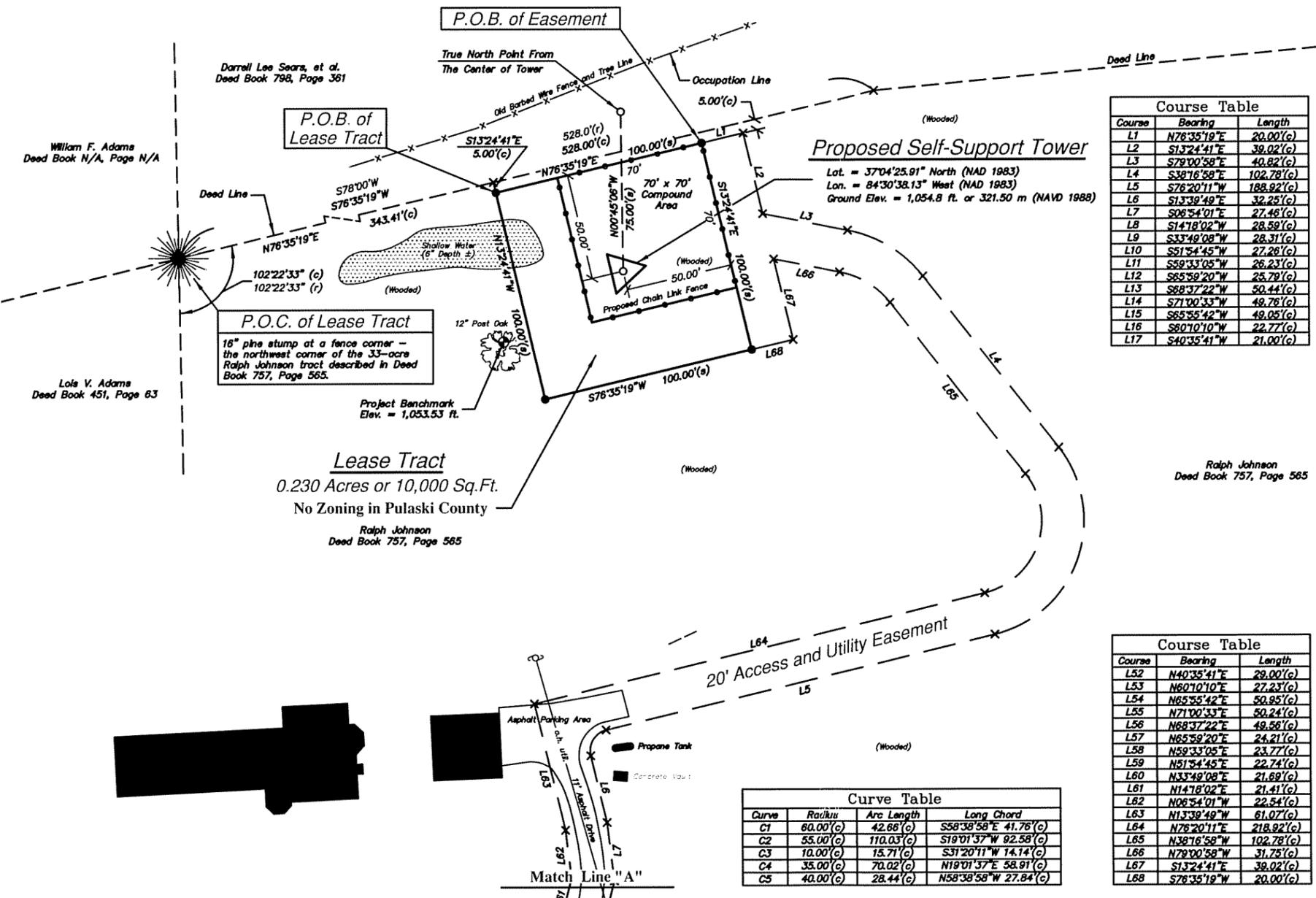
**Owner Information**  
Owner: Ralph Johnson  
Address: 4824 Highway 192  
Somerset, Kentucky 42501  
Contact Person: Ralph Johnson  
Phone: (606) 676-0599  
PVA Map No. 105-D-0-48

**Project Bench Mark**  
Northing: 1,912,372 feet (582,892 meters)  
Easting: 2,001,931 feet (610,190 meters)  
Elevation: 1,053.53 feet (321.117 meters)  
Description: A railroad spike set in the north side of a 12" Post Oak, 12" above grade. The tree is approximately 66 feet west-southwest of the center of the proposed tower.

**Flood Plain Statement**  
According to the Flood Insurance Rate Map for Pulaski County, Kentucky, Unincorporated Areas, Community Panel No. 210197 0225 B, dated July 16, 1990, the subject site lies within "Other Areas - Zone X", which is defined as areas determined to be outside the 500-year flood plain.



**Directions to Site**  
From Elizabethtown, Kentucky: travel east on the Bluegrass Parkway to Exit 59 and U.S. Highway 127 near Lawrenceburg; travel south on U.S. Highway 127 to the south side Danville and U.S. Highway 27; travel south on U.S. Highway 27 to the north side of Somerset and Kentucky Highway 80; turn left onto Kentucky Highway 80 and travel east 2.7 miles to Kentucky Highway 914 (Somerset Bypass); turn right onto Kentucky Highway 914 and travel south 0.4 miles to Kentucky Highway 192; turn left onto Kentucky Highway 192 and travel southeasterly 4.3 miles to an asphalt lane on the left; turn onto the lane and travel northerly 0.2 miles to a house and garage; continue past the house and garage for another 500 feet to the tower site on a wooded hillside.

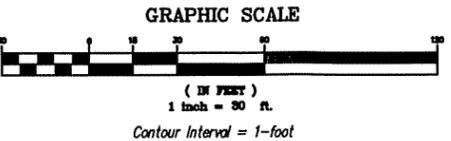


Course	Bearing	Length
L1	N76°35'19"E	20.00'(c)
L2	S13°24'41"E	39.02'(c)
L3	S79°00'58"E	40.82'(c)
L4	S39°16'58"E	102.78'(c)
L5	S76°20'11"W	188.92'(c)
L6	S13°39'49"W	32.25'(c)
L7	S06°54'01"E	27.46'(c)
L8	S14°18'02"W	28.59'(c)
L9	S33°49'08"W	28.31'(c)
L10	S51°54'45"W	27.26'(c)
L11	S59°33'05"W	26.23'(c)
L12	S65°59'20"W	26.79'(c)
L13	S68°37'22"W	50.44'(c)
L14	S71°00'33"W	28.31'(c)
L15	S65°55'42"W	49.05'(c)
L16	S60°10'10"W	22.77'(c)
L17	S40°35'41"W	21.00'(c)

Course	Bearing	Length
L52	N40°35'41"E	29.00'(c)
L53	N60°10'10"E	27.23'(c)
L54	N65°55'42"E	50.95'(c)
L55	N71°00'33"E	50.24'(c)
L56	N68°37'22"E	49.56'(c)
L57	N65°59'20"E	24.21'(c)
L58	N59°33'05"E	23.77'(c)
L59	N51°54'45"E	22.74'(c)
L60	N33°49'08"E	21.69'(c)
L61	N14°18'02"E	21.41'(c)
L62	N06°54'01"W	22.54'(c)
L63	N13°39'49"W	61.07'(c)
L64	N76°20'11"E	218.92'(c)
L65	N38°16'58"W	102.78'(c)
L66	N79°00'58"W	31.75'(c)
L67	S13°24'41"E	39.02'(c)
L68	S76°35'19"W	20.00'(c)

Curve	Radius	Arc Length	Long Chord
C1	60.00'(c)	42.66'(c)	S58°38'58"E 41.76'(c)
C2	55.00'(c)	110.03'(c)	S19°01'57"W 92.58'(c)
C3	10.00'(c)	15.71'(c)	S31°20'11"W 14.14'(c)
C4	35.00'(c)	70.02'(c)	N19°01'37"E 58.91'(c)
C5	40.00'(c)	28.44'(c)	N58°38'58"W 27.84'(c)

- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
  - 5/8" Rebar Set Flush - No Cap
  - ⊙ 1/2" Rebar Found Exposed 6"
  - + Calculated Position - No Monument Found or Set
  - Subject Boundaries
  - - - Easement Boundaries
  - - - Other Boundaries
  - - - Right of Way
  - ⊕ Utility Pole
  - ⊙ Guy Anchor
  - ⊕ Telephone Pedestal
  - ⊕ Electric Meter
  - (m) Measured
  - (r) Recorded
  - (c) Calculated
  - (s) Set



**Lease Boundary and Easement Description**  
A tract of land that is located on the southeast side of Jack Knob about 850 feet north of Kentucky Highway 192 and 0.7 miles easterly of the intersection of said highway with Mayfield Hollow Road in the Ruth Community of Pulaski County, Kentucky; said tract being described as follows:  
  
COMMENCING AT a 16-inch pine stump at a fence corner, which is the northwest corner of the 33-acre Ralph Johnson tract, as described in Deed Book 757, page 565 in the office of the County Clerk of Pulaski County, Kentucky; thence, along the northern boundary of said tract, North 76 degrees 35 minutes 19 seconds East 343.41 feet; thence South 13 degrees 24 minutes 41 seconds East 5.00 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence North 76 degrees 35 minutes 19 seconds East 100.00 feet to a rebar set flush; thence South 13 degrees 24 minutes 41 seconds East 100.00 feet to a rebar set flush; thence South 76 degrees 35 minutes 19 seconds West 100.00 feet to a rebar set flush; thence North 13 degrees 24 minutes 41 seconds West 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to Kentucky Highway 192; said easement being described as follows:  
BEGINNING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the northeast corner of the above-described 0.230-acre lease tract; thence North 76 degrees 35 minutes 19 seconds East 20.00 feet; thence South 13 degrees 24 minutes 41 seconds East 39.02 feet; thence South 79 degrees 00 minutes 58 seconds East 40.82 feet; thence Southeast 42.66 feet along an arc to the right and having a radius of 60.00 feet and subtended by a long chord having a bearing of South 58 degrees 38 minutes 58 seconds East and a length of 41.76 feet; thence South 38 degrees 16 minutes 58 seconds East 102.78 feet; thence Southwesterly 110.03 feet along an arc to the right and having a radius of 55.00 feet and subtended by a long chord having a bearing of South 19 degrees 01 minutes 57 seconds West and a length of 92.58 feet; thence South 76 degrees 20 minutes 11 seconds West 188.92 feet; thence Southwesterly 15.71 feet along an arc to the left and having a radius of 10.00 feet and subtended by a long chord having a bearing of South 31 degrees 20 minutes 11 seconds West and a length of 14.14 feet to a point about 10 feet easterly of the centerline of an asphalt drive; thence generally parallel with the centerline of said drive and 10 feet easterly thereof the following twenty-eight (28) courses: (1) South 13 degrees 39 minutes 49 seconds East 32.25 feet; (2) South 06 degrees 54 minutes 01 second East 27.46 feet; (3) South 14 degrees 18 minutes 02 seconds West 28.59 feet; (4) South 33 degrees 49 minutes 08 seconds West 28.31 feet; (5) South 51 degrees 54 minutes 45 seconds West 27.26 feet; (6) South 59 degrees 33 minutes 05 seconds West 26.23 feet; (7) South 65 degrees 59 minutes 20 seconds West 25.79 feet; (8) South 68 degrees 37 minutes 22 seconds West 50.44 feet; (9) South 71 degrees 00 minutes 33 seconds West 49.76 feet; (10) South 65 degrees 55 minutes 42 seconds West 49.05 feet; (11) South 60 degrees 10 minutes 10 seconds West 22.77 feet; (12) South 40 degrees 35 minutes 41 seconds West 21.00 feet; (13) South 14 degrees 59 minutes 42 seconds West 20.95 feet; (14) South 05 degrees 12 minutes 18 seconds East 22.09 feet; (15) South 18 degrees 02 minutes 00 seconds East 23.46 feet; (16) South 22 degrees 45 minutes 09 seconds East 24.05 feet; (17) South 29 degrees 24 minutes 19 seconds East 48.72 feet; (18) South 37 degrees 25 minutes 18 seconds East 48.60 feet; (19) South 45 degrees 26 minutes 03 seconds East 50.22 feet; (20) South 34 degrees 53 minutes 01 second East 27.56 feet; (21) South 16 degrees 14 minutes 25 seconds East 28.56 feet; (22) South 05 degrees 26 minutes 18 seconds West 28.75 feet; (23) South 26 degrees 11 minutes 55 seconds West 27.81 feet; (24) South 37 degrees 24 minutes 50 seconds West 26.65 feet; (25) South 45 degrees 06 minutes 31 seconds West 26.07 feet; (26) South 49 degrees 38 minutes 50 seconds West 25.77 feet; (27) South 53 degrees 55 minutes 45 seconds West 25.73 feet and (28) South 57 degrees 45 minutes 29 seconds West 24.76 feet to the northern boundary of Kentucky Highway 192 (20 feet from the centerline); thence, along said northern boundary, South 77 degrees 21 minutes 51 seconds West 44.01 feet; thence North 10 degrees 43 minutes 00 seconds West 5.62 feet to a point about 10 feet northwesterly of the centerline of the aforementioned asphalt drive; thence generally parallel with the centerline of said drive and 10 feet westerly thereof the following twenty-eight (28) courses: (1) North 57 degrees 45 minutes 29 seconds East 63.49 feet; (2) North 53 degrees 55 minutes 45 seconds East 24.31 feet; (3) North 49 degrees 38 minutes 50 seconds East 24.23 feet; (4) North 45 degrees 06 minutes 31 seconds East 23.93 feet; (5) North 37 degrees 24 minutes 50 seconds East 23.34 feet; (6) North 26 degrees 11 minutes 55 seconds East 22.19 feet; (7) North 05 degrees 26 minutes 18 seconds East 21.25 feet; (8) North 16 degrees 14 minutes 25 seconds West 21.44 feet; (9) North 34 degrees 53 minutes 01 second West 22.44 feet; (10) North 45 degrees 26 minutes 03 seconds West 49.78 feet; (11) North 37 degrees 25 minutes 18 seconds West 51.40 feet; (12) North 29 degrees 24 minutes 19 seconds West 51.28 feet; (13) North 22 degrees 45 minutes 09 seconds West 26.04 feet; (14) North 18 degrees 02 minutes 00 seconds West 26.54 feet; (15) North 05 degrees 12 minutes 18 seconds West 27.91 feet; (16) North 14 degrees 59 minutes 42 seconds East 29.05 feet; (17) North 40 degrees 35 minutes 41 seconds East 29.00 feet; (18) North 60 degrees 10 minutes 10 seconds East 27.23 feet; (19) North 65 degrees 55 minutes 42 seconds East 50.95 feet; (20) North 71 degrees 00 minutes 33 seconds East 50.24 feet; (21) North 68 degrees 37 minutes 22 seconds East 49.56 feet; (22) North 65 degrees 59 minutes 20 seconds East 24.21 feet; (23) North 59 degrees 33 minutes 05 seconds East 23.77 feet; (24) North 51 degrees 54 minutes 45 seconds East 22.74 feet; (25) North 33 degrees 49 minutes 08 seconds East 21.69 feet; (26) North 14 degrees 18 minutes 02 seconds East 21.41 feet; (27) North 06 degrees 54 minutes 01 second West 22.54 feet and (28) North 13 degrees 39 minutes 49 seconds West 61.07 feet; thence North 76 degrees 20 minutes 11 seconds East 218.92 feet; thence Northwesterly 70.02 feet along an arc to the left and having a radius of 35.00 feet and subtended by a long chord having a bearing of North 19 degrees 01 minute 37 seconds East and a length of 58.91 feet; thence North 38 degrees 16 minutes 58 seconds West 102.78 feet; thence Northwesterly 28.44 feet along an arc to the left and having a radius of 40.00 feet and subtended by a long chord having a bearing of North 58 degrees 38 minutes 58 seconds West and a length of 41.76 feet; thence North 79 degrees 00 minutes 58 seconds West 31.75 feet; thence South 13 degrees 24 minutes 41 seconds East 39.02 feet; thence South 76 degrees 35 minutes 19 seconds West 100.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the southeast corner of the above-described 0.230-acre lease tract; thence North 13 degrees 24 minutes 41 seconds West 100.00 feet to the point of beginning.

**Surveyor's Certification**  
I hereby certify that this plot has been compiled from a survey actually made upon the ground under my direct supervision on December 7, 2007 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was better than 1:60,000 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

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

Date \_\_\_\_\_

- Surveyor's Notes**
- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
  - No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
  - The utilities shown on this plot may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
  - The topographic information contained on this plot was as requested by the client and may or may not represent all of the topographic features located on the subject property.
  - According to Barty Bullock, County Judge Executive of Pulaski County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's Office may be contacted at (606) 678-4653 for confirmation.

Landmark Surveying Co., Inc.  
15 N.E. 3rd Street  
Washington, Indiana 47501  
(812) 257-0850  
Email: landmark@landmarksurvey.com  
Project No. 07-12-0105

Lease Boundary Survey  
4832 Highway 192  
Somerset, Kentucky 42501

**Bluegrass Cellular**  
2902 Ring Road  
Elizabethtown, Kentucky 42701

DATE	REVISIONS	DATE
12-18-07		

DRAWN BY: A. Whicker  
CHECKED BY: D.L. Helms

SHEET NO. 1 OF 2 SHEETS  
FILE NO. ruth.dwg

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on December 5, 2007 using the National Geodetic Survey monument "SOMERPORT". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on December 18, 2007. This survey is hereby referenced and made a part of these descriptions.

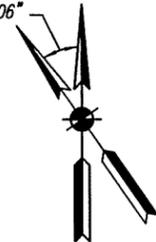
SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Ralph Johnson on March 22, 2005 in Deed Book 757, page 565 in the office of the County Clerk of Pulaski County, Kentucky.

# Site: Ruth

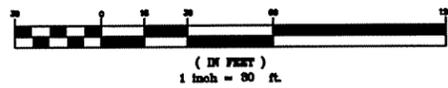
## Lease Boundary and Topographic Survey

### Pulaski County, Kentucky

True North  
Grid North  
00°45'06"

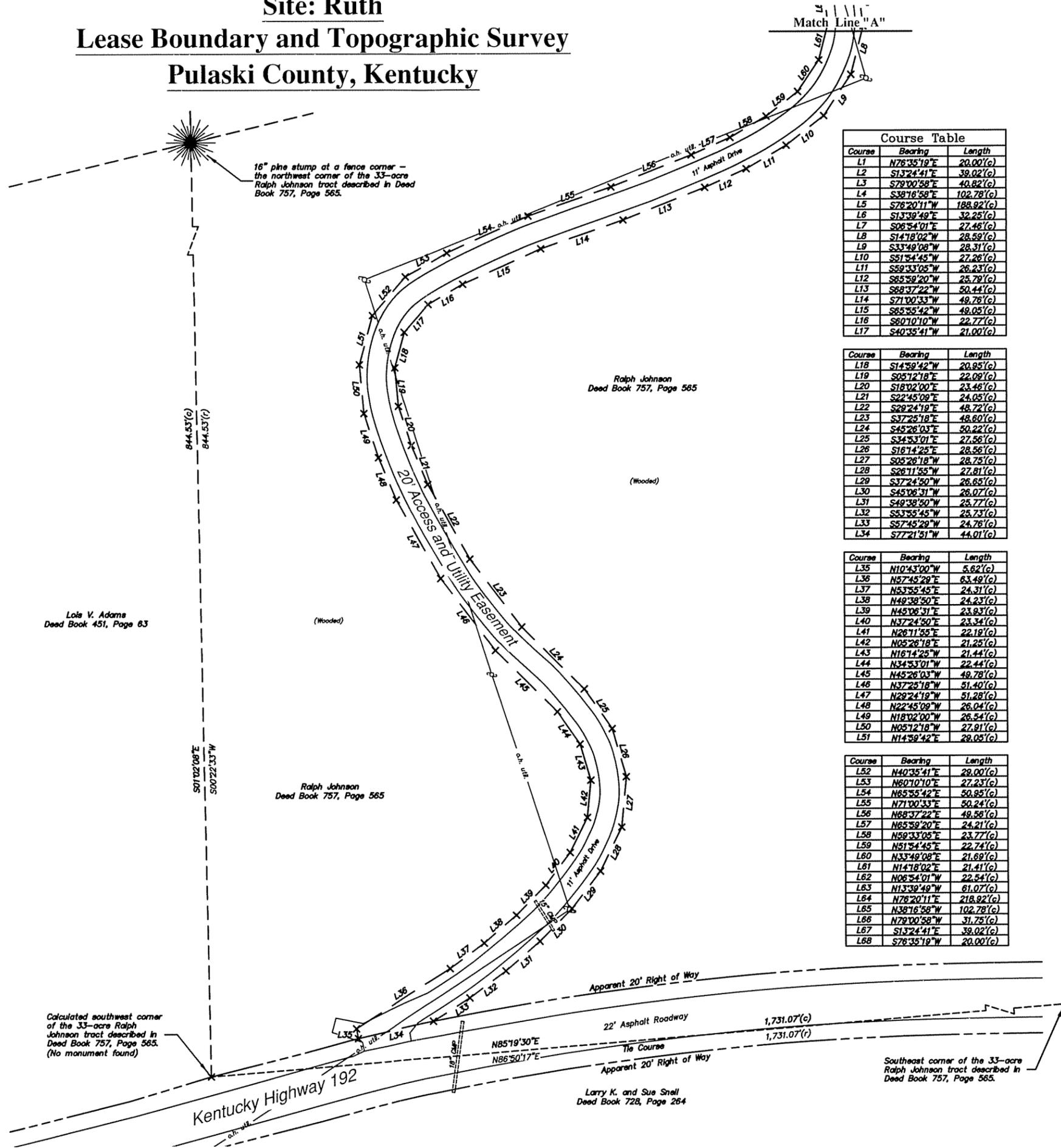


GRAPHIC SCALE



**Legend**

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- ⊕ 1/2" Rebar Found Exposed 6"
- ⊕ Calculated Position - No Monument Found or Set
- Subject Boundaries
- - - Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- ⊕ Utility Pole
- ⊕ Guy Anchor
- ⊕ Telephone Pedestal
- ⊕ Electric Meter
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set



Course	Bearing	Length
L1	N76°35'19"E	20.00'(c)
L2	S13°24'41"E	39.02'(c)
L3	S79°00'58"E	40.82'(c)
L4	S38°16'58"E	102.78'(c)
L5	S76°20'11"W	188.82'(c)
L6	S13°39'49"E	32.25'(c)
L7	S06°54'01"E	27.46'(c)
L8	S14°18'02"W	28.59'(c)
L9	S33°49'08"W	28.31'(c)
L10	S51°54'45"W	27.26'(c)
L11	S59°33'05"W	26.23'(c)
L12	S65°59'20"W	25.79'(c)
L13	S68°37'22"W	50.44'(c)
L14	S71°00'33"W	49.76'(c)
L15	S65°55'42"W	49.05'(c)
L16	S60°10'10"W	22.77'(c)
L17	S40°35'41"W	21.00'(c)

Course	Bearing	Length
L18	S14°59'42"W	20.85'(c)
L19	S05°12'18"E	22.08'(c)
L20	S18°02'00"E	23.46'(c)
L21	S22°45'09"E	24.05'(c)
L22	S29°24'19"E	48.72'(c)
L23	S37°25'18"E	48.60'(c)
L24	S45°26'03"E	50.22'(c)
L25	S34°53'01"E	27.56'(c)
L26	S16°14'25"E	28.56'(c)
L27	S05°26'18"W	28.75'(c)
L28	S26°11'55"W	27.81'(c)
L29	S37°24'50"W	26.65'(c)
L30	S45°06'31"W	26.07'(c)
L31	S49°38'50"W	25.77'(c)
L32	S53°55'45"W	25.73'(c)
L33	S57°49'29"W	24.76'(c)
L34	S77°21'51"W	44.01'(c)

Course	Bearing	Length
L35	N10°43'00"W	5.62'(c)
L36	N57°45'29"E	63.49'(c)
L37	N53°55'45"E	24.31'(c)
L38	N49°38'50"E	24.23'(c)
L39	N45°06'31"E	23.83'(c)
L40	N37°24'50"E	23.34'(c)
L41	N26°11'55"E	22.19'(c)
L42	N05°26'18"E	21.25'(c)
L43	N16°14'25"W	21.44'(c)
L44	N34°53'01"W	22.44'(c)
L45	N45°26'03"W	49.78'(c)
L46	N37°25'18"W	51.40'(c)
L47	N28°24'19"W	51.28'(c)
L48	N22°45'09"W	26.04'(c)
L49	N18°02'00"W	26.54'(c)
L50	N05°12'18"W	27.81'(c)
L51	N14°59'42"E	28.05'(c)

Course	Bearing	Length
L52	N40°35'41"E	28.00'(c)
L53	N60°10'10"E	27.23'(c)
L54	N65°55'42"E	50.85'(c)
L55	N71°00'33"E	50.24'(c)
L56	N68°37'22"E	49.56'(c)
L57	N65°59'20"E	24.21'(c)
L58	N59°33'05"E	23.77'(c)
L59	N51°54'45"E	22.74'(c)
L60	N33°49'08"E	21.89'(c)
L61	N14°18'02"E	21.41'(c)
L62	N06°54'01"W	22.54'(c)
L63	N13°39'49"W	81.07'(c)
L64	N78°20'11"E	218.82'(c)
L65	N38°16'58"W	102.78'(c)
L66	N79°00'58"W	31.75'(c)
L67	S13°24'41"E	39.02'(c)
L68	S76°35'19"W	20.00'(c)

Landmark Surveying Co., Inc.  
15 N.E. 3rd Street  
Washington, Indiana 47501  
(812) 257-6950  
E-mail: landmark@earthlink.net  
Project No. 07-12-005



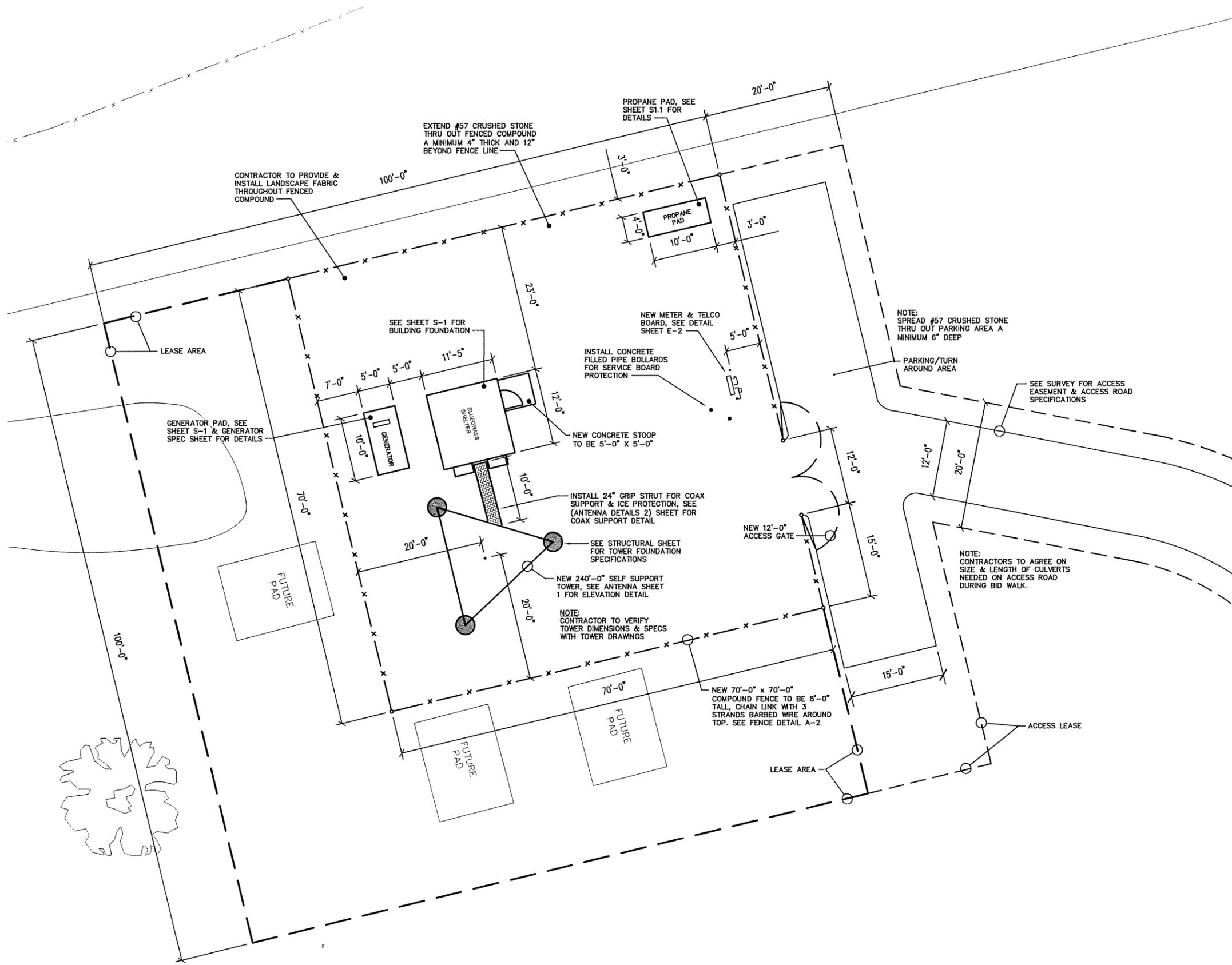
Lease Boundary Survey  
4832 Highway 192  
Somerset, Kentucky 42501

**Bluegrass Cellular**  
2902 Ring Road  
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE 12-18-07  
DRAWN BY A. Winkler  
CHECKED BY D.L. Helms

SHEET NO.  
**2**  
OF 2 SHEETS  
FILE NO.  
ruth.dwg

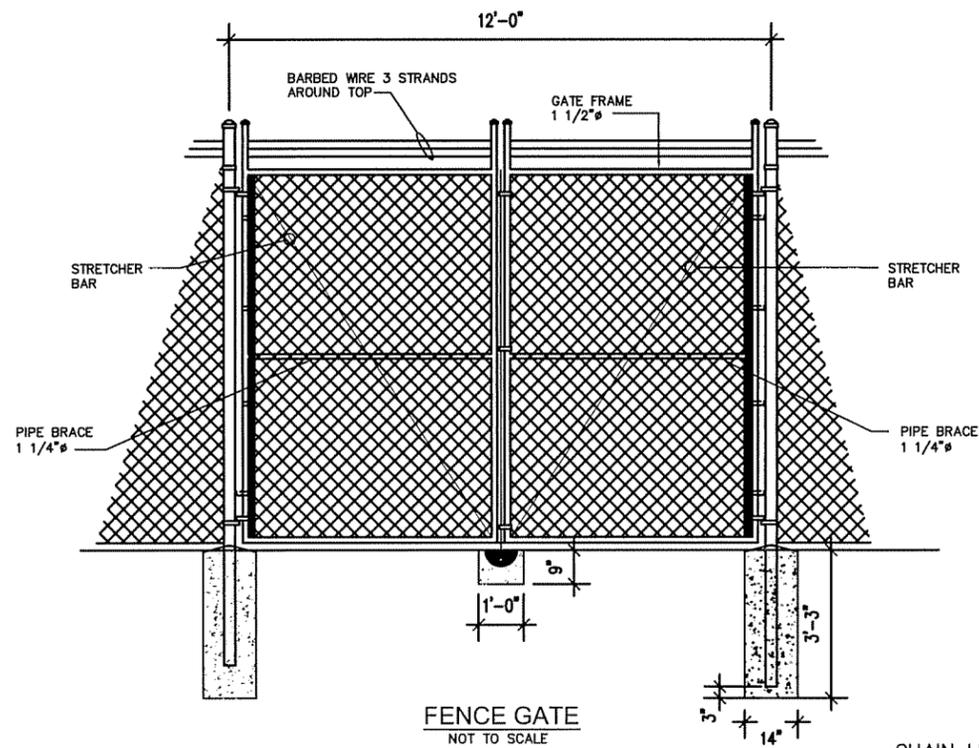


**GENERAL NOTES:**

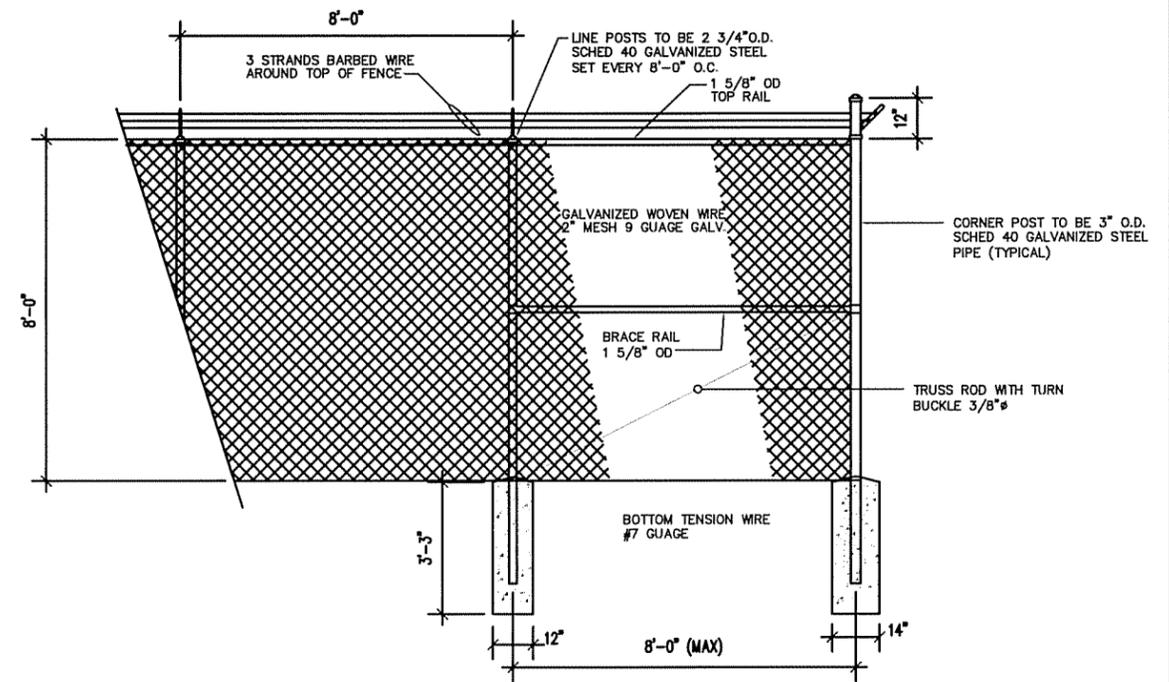
- 1) EQUIPMENT PICK-UP AND DELIVERY TO SITE FROM BLUEGRASS CELLULAR STAGING FACILITY TO BE THE CONTRACTORS RESPONSIBILITY, INCLUDING CRANE SET, AND ALL COST INCURRED.
- 2) FOR BUILDING AND ALL CONCRETE PAD DETAILS REFER TO STRUCTURALS AND SHEET S1.1
- 3) ALL CONCRETE TO HAVE SPECIFIED COATED SEALANT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

**SITE PLAN**  
SCALE: 1/8" = 1'-0"

<b>BLUEGRASS CELLULAR, INC.</b>	
<b>STANDARD CELLULAR SITE</b>	
<b>RUTH</b>	
4832 HWY. 192 SOMERSET, KY. 42501	
DRAWN BY: R. BECKER	ISSUE DATE: 1-11-08
SCALE: LISTED	
SHEET NUMBER	
A-1	



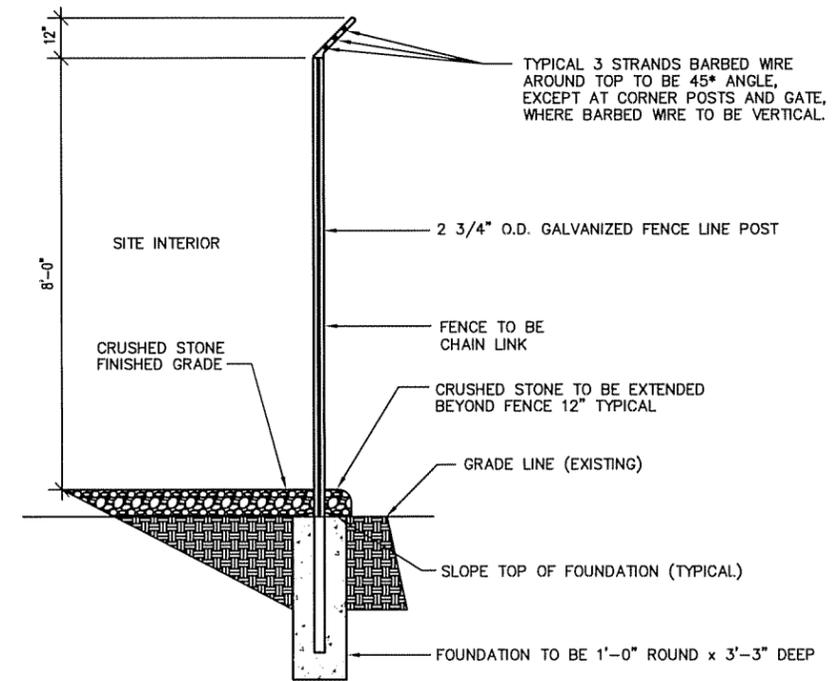
FENCE GATE  
NOT TO SCALE



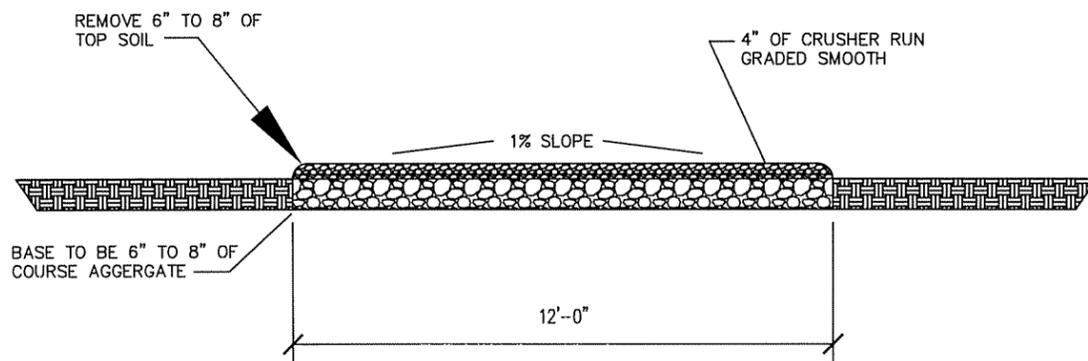
FENCE DETAIL END POLES  
NOT TO SCALE

**CHAIN LINK FENCING NOTES:**

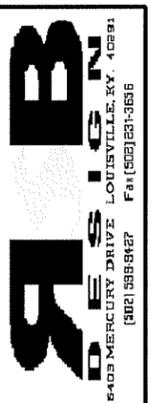
- FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- POSTS:** SHALL BE 2 3/4" O.D. SS 40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



FENCE DETAIL LINE POLES  
NOT TO SCALE



ROAD DETAIL  
NOT TO SCALE



BLUEGRASS CELLULAR, INC.  
LOUISVILLE, KY. 40291  
6403 MERCURY DRIVE  
PH: 558-9427 FAX: 558-9427

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**RUTH**  
4832 HWY. 192 SOMERSET, KY. 42501

DRAWN BY: R. BECKER  
ISSUE DATE: 1-11-08  
SCALE: LISTED

SHEET NUMBER  
A-2

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

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

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

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

LINES ARE TO BE SECURED TO ICE BRIDGE

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

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

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

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

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

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

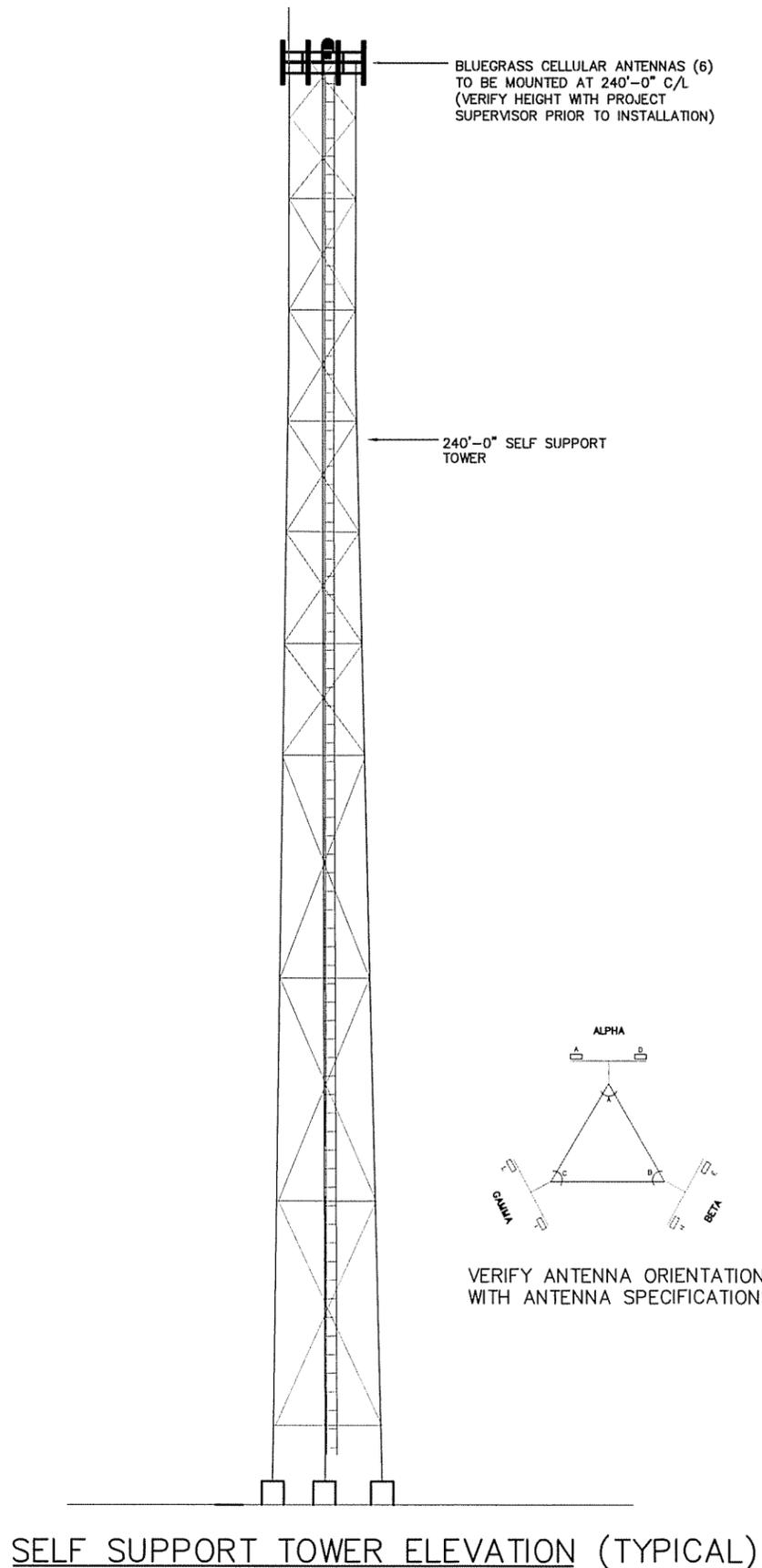
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

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

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET

## BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



### TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

### ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	59210	L=78.6 W=10.3 D=4.6	4	100*, 310*	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

### ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	BI-SECTOR MOUNT		2
MOUNT (SECONDARY)			

### ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	ANDREW	1-5/8"	4
TRANSMISSION LINE (SECONDARY)			

### DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	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 2\*E X,Y
- \* ANTENNA FREQUENCY 1975.00 - 1982.50



REVISION

DATE

NO.

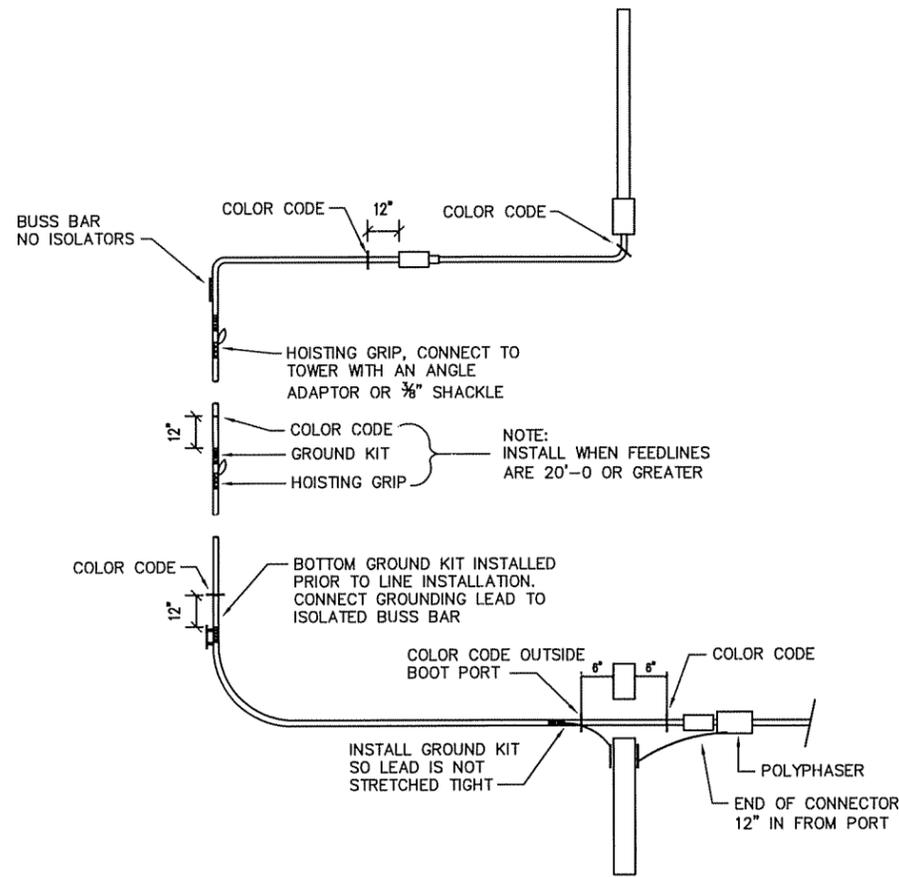
BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE

**RUTH**

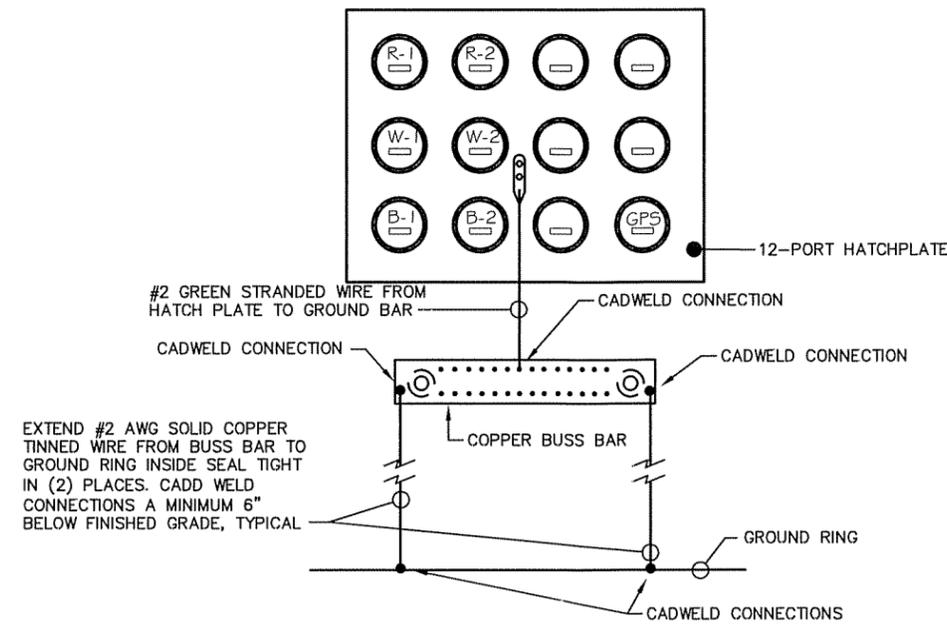
4832 HWY. 192 SOMERSET, KY. 42501

DRAWN BY: R. BECKER  
ISSUE DATE: 1-11-08  
SCALE: LISTED

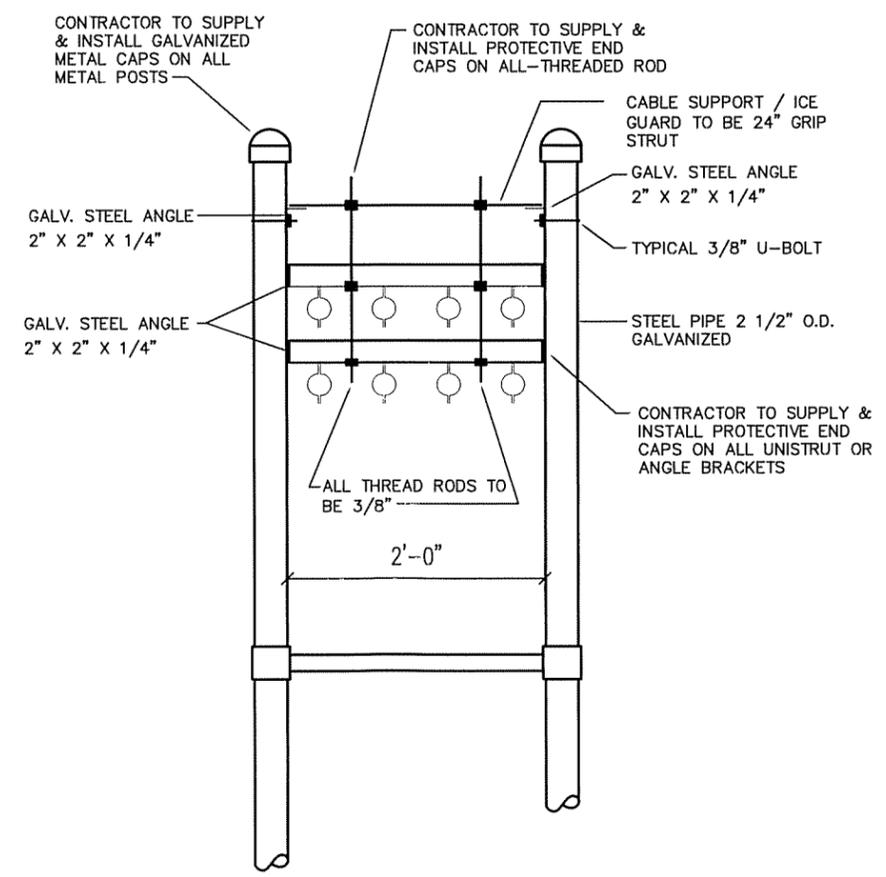
SHEET NUMBER  
**ANTENNA DETAILS**  
1



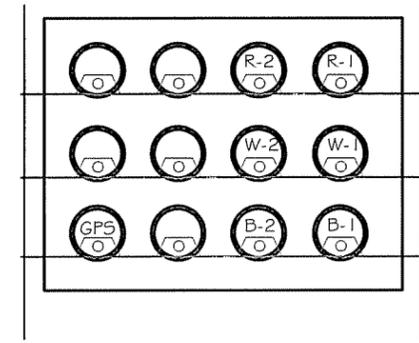
**COLOR CODING DETAIL**  
NO SCALE



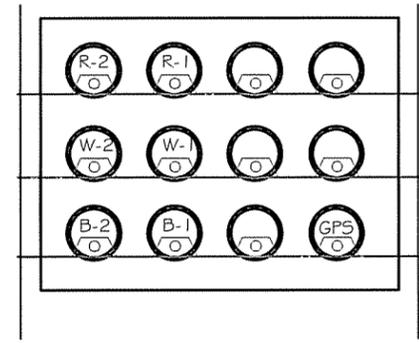
**BOOT PORT GROUNDING DETAIL**  
NO SCALE



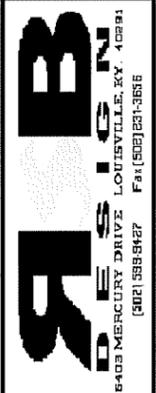
**ICE BRIDGE / COAX SUPPORT DETAIL**  
NO SCALE



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



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

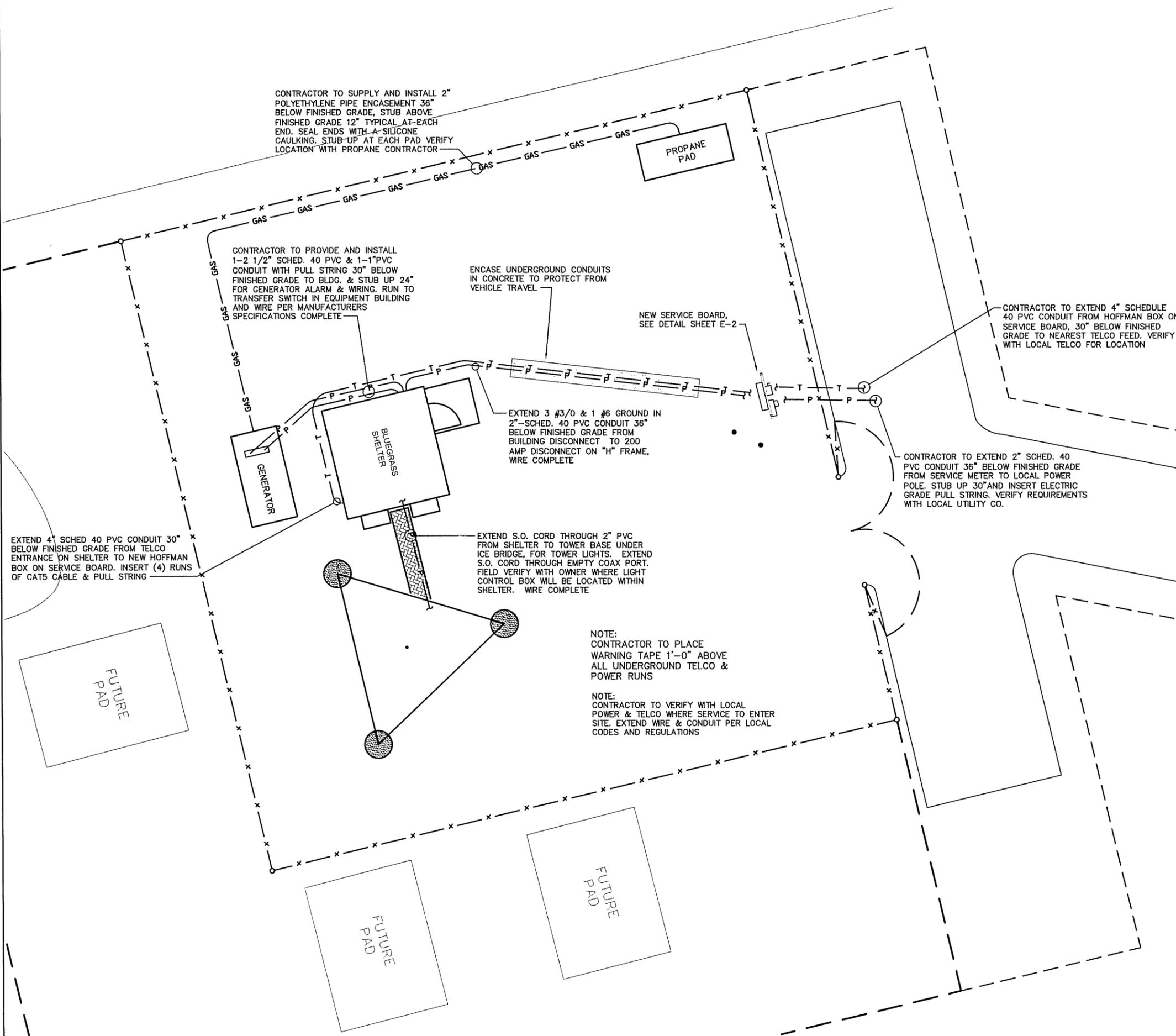


NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**RUTH**  
4832 HWY. 192 SOMERSET, KY. 42501

DRAWN BY: R. BECKER  
ISSUE DATE: 1-11-08  
SCALE: LISTED

SHEET NUMBER  
**ANTENNA DETAILS**  
2



CONTRACTOR TO SUPPLY AND INSTALL 2" POLYETHYLENE PIPE ENCASEMENT 36" BELOW FINISHED GRADE, STUB ABOVE FINISHED GRADE 12" TYPICAL AT EACH END. SEAL ENDS WITH A-SILICONE CAULKING. STUB UP AT EACH PAD VERIFY LOCATION WITH PROPANE CONTRACTOR

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

ENCASE UNDERGROUND CONDUITS IN CONCRETE TO PROTECT FROM VEHICLE TRAVEL

NEW SERVICE BOARD, SEE DETAIL SHEET E-2

EXTEND 3 #3/0 & 1 #5 GROUND IN 2"-SCHED. 40 PVC CONDUIT 36" BELOW FINISHED GRADE FROM BUILDING DISCONNECT TO 200 AMP DISCONNECT ON "H" FRAME, WIRE COMPLETE

EXTEND S.O. CORD THROUGH 2" PVC FROM SHELTER TO TOWER BASE UNDER ICE BRIDGE, FOR TOWER LIGHTS. EXTEND S.O. CORD THROUGH EMPTY COAX PORT, FIELD VERIFY WITH OWNER WHERE LIGHT CONTROL BOX WILL BE LOCATED WITHIN SHELTER. WIRE COMPLETE

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

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

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

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

CONTRACTOR TO EXTEND 2" SCHED. 40 PVC CONDUIT 36" BELOW FINISHED GRADE FROM SERVICE METER TO LOCAL POWER POLE. STUB UP 30" AND INSERT ELECTRIC GRADE PULL STRING. VERIFY REQUIREMENTS WITH LOCAL UTILITY CO.

**GENERAL ELECTRICAL NOTES:**

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

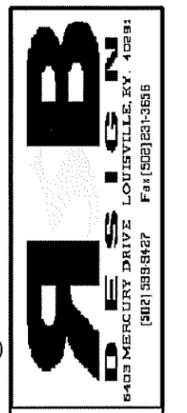
NOTE: CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS.

**SYMBOLS LEGEND**

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

**SITE PLAN- ELECTRICAL**

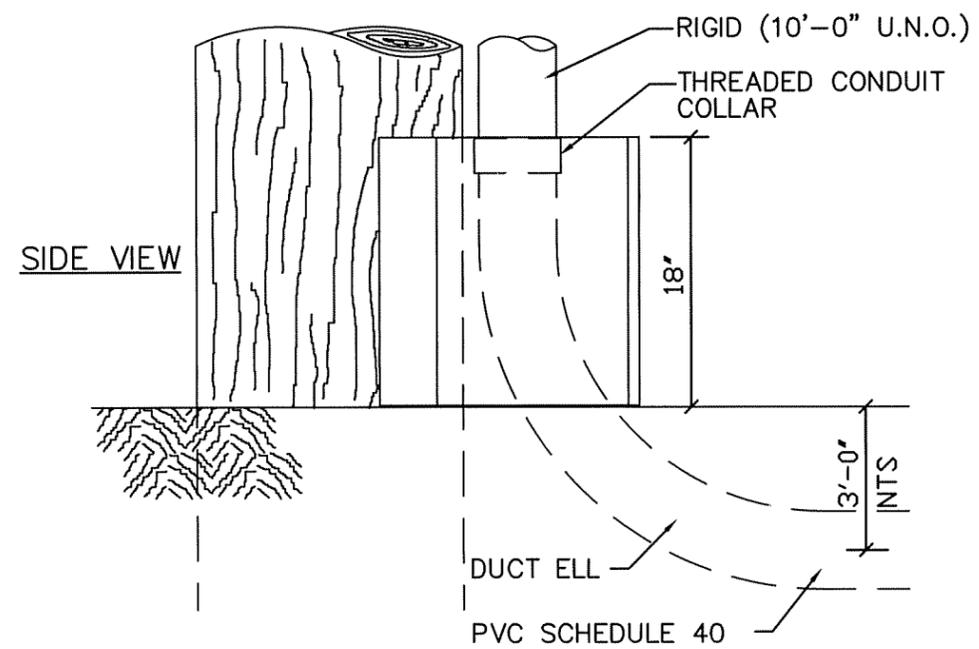
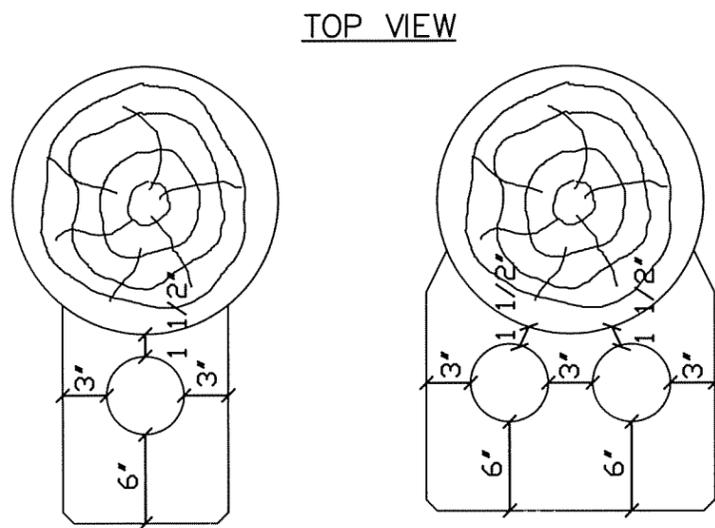
SCALE: 3/32" = 1'-0"



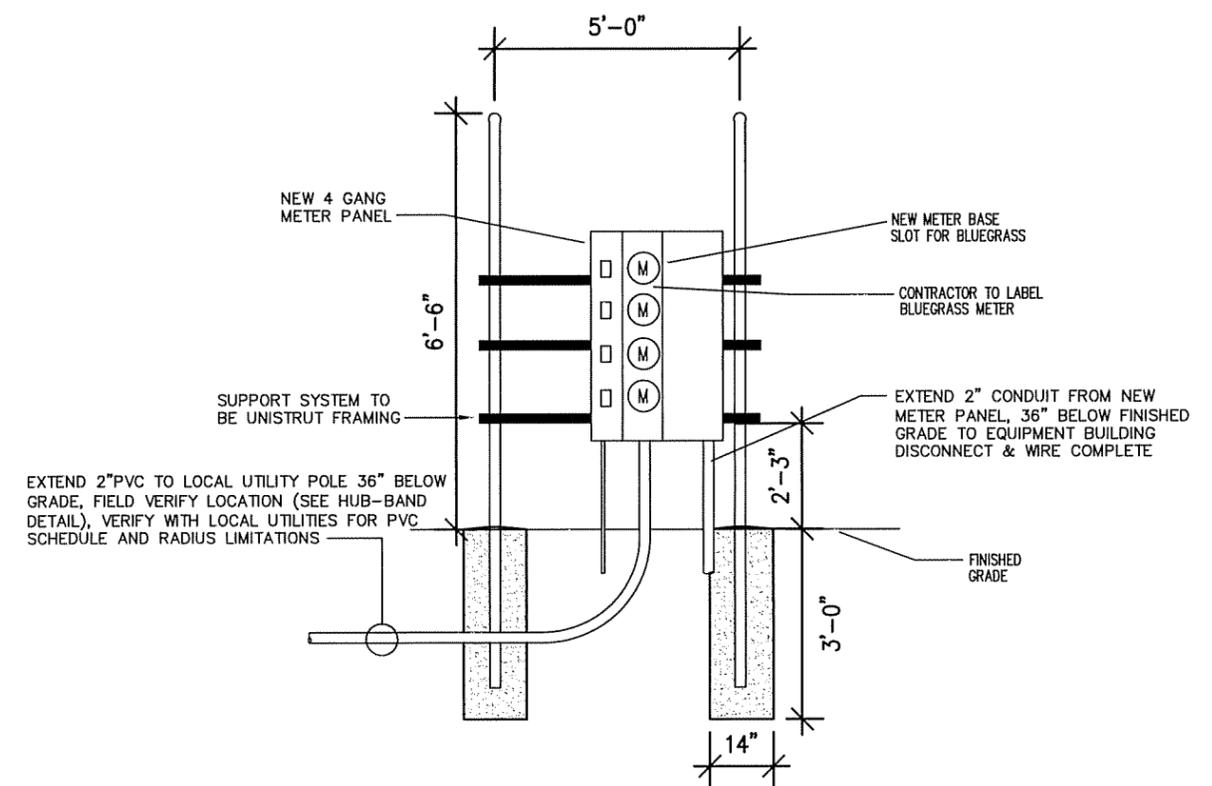
NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**RUTH**  
 4832 HWY. 192 SOMERSET, KY. 42501

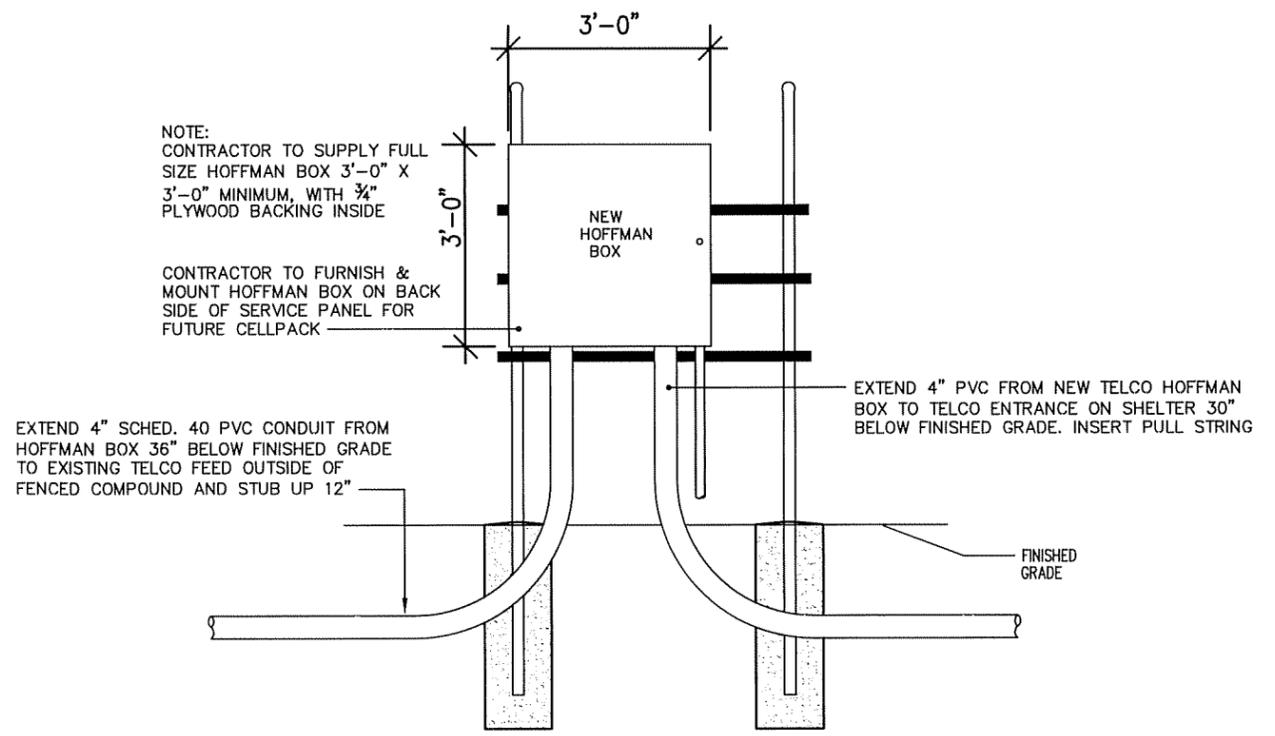
DRAWN BY: R. BECKER	ISSUE DATE: 1-11-08	SCALE: LISTED
SHEET NUMBER <b>E-1</b>		



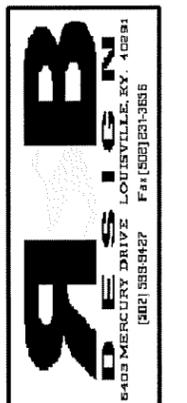
**HUB-BAND DETAIL**  
 NO SCALE



**SERVICE BOARD DETAIL**  
 NO SCALE



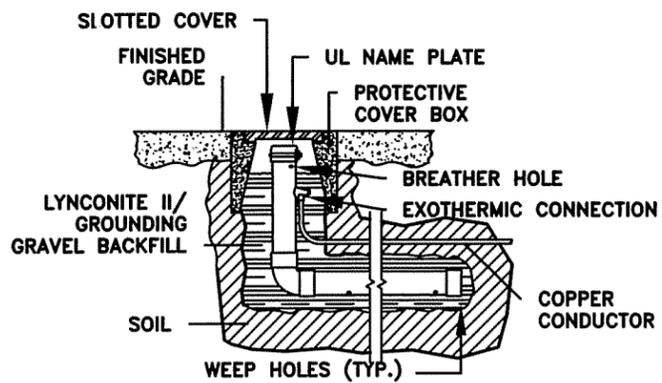
**BACKBOARD DETAIL**  
 NO SCALE



BLUEGRASS CELLULAR, INC.  
 STANDARD CELLULAR SITE  
**RUTH**  
 4832 HWY. 192 SOMERSET, KY. 42501

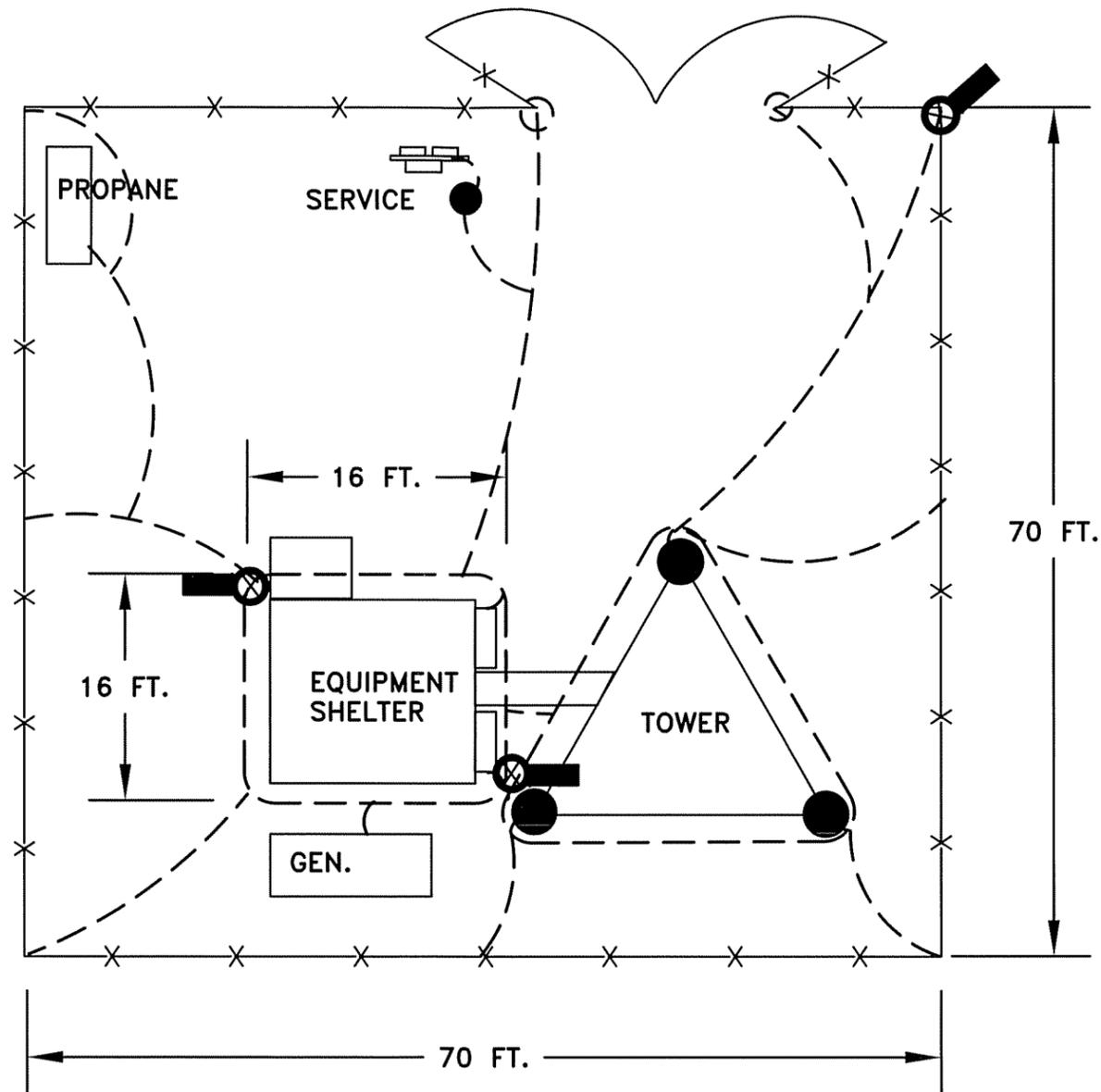
NO.	DATE	REVISION

DRAWN BY: R. BECKER	ISSUE DATE: 1-11-08	SCALE: LISTED
SHEET NUMBER		



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

**DETAIL**

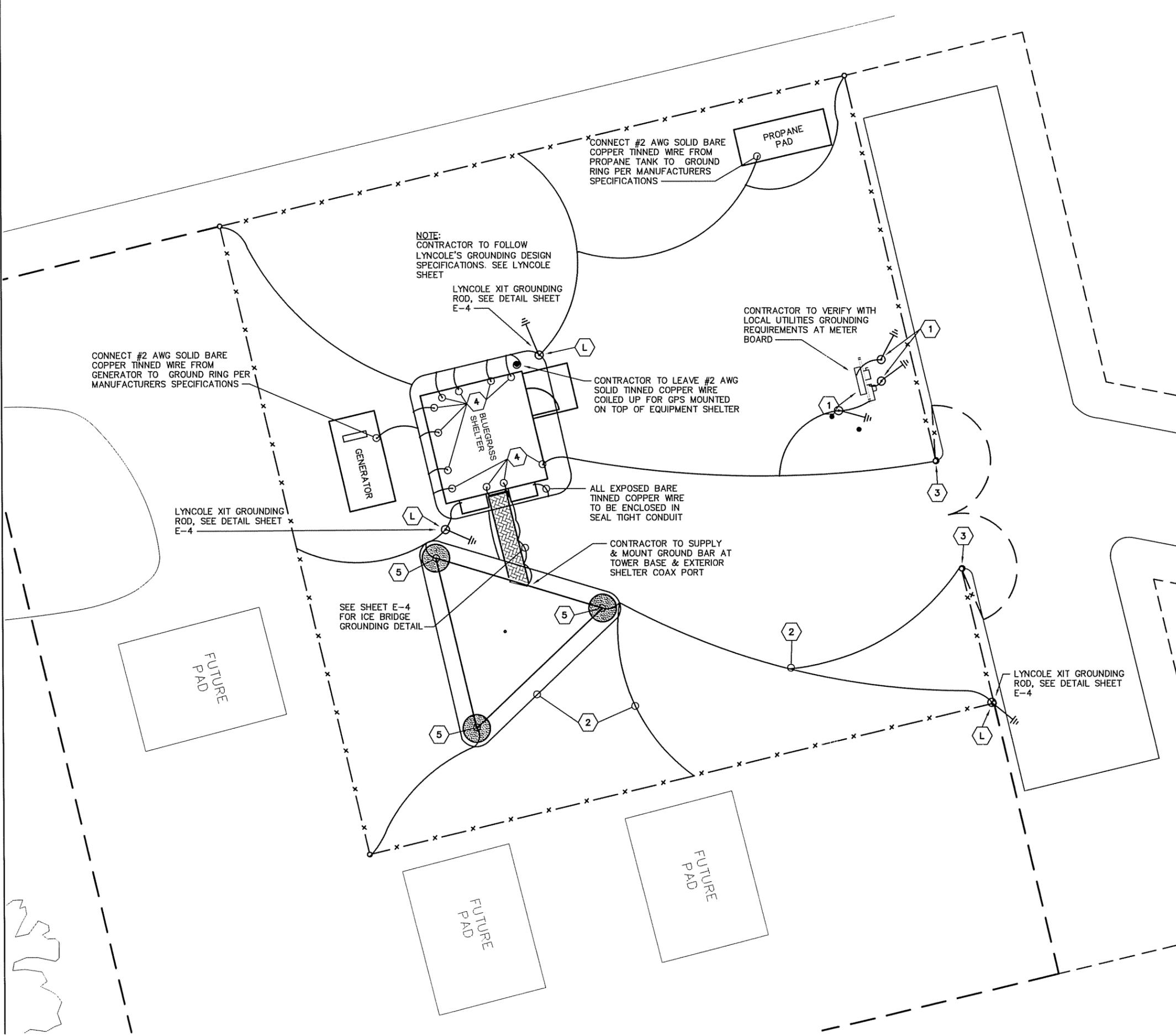


**NOTES:**

- — — — — LEASE LINE
- X — CHAIN LINK FENCE
- — — — — BARE #2 AWG TINNED SOLID COPPER CONDUCTOR  
BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE  
ALL BENDS IN GROUND CONDUCTORS TO BE MADE  
WITH 12 IN. RADIUS OR LARGER
- ⊗ K2L-10CS (SEE DETAIL)
- 5/8 IN. X 10 FT. COPPER CLAD DRIVEN ROD AT THE SERVICE ENTRANCE

**LYNCOLE**  
TECHNICAL SERVICES  
3547 VOYAGER STREET, SUITE 204  
TORRANCE, CA. 90503  
(800)962-2610 FAX (310)214-1114  
ENGINEERING@LYNCOLE.COM

CLIENT / END USER <b>RSB DESIGN / BLUEGRASS</b>			
DRAWING <b>1</b>	PROJECT NAME <b>BLUEGRASS RUTH</b>		
TITLE <b>GROUNDING OPTION</b>			
LOCATION: CITY, STATE <b>SOMERSET, KY</b>		CALCULATED RESISTANCE <b>&lt; 5 OHMS</b>	
DRAWN BY <b>BBD</b>	APPROVED BY	DATE <b>1/16/08</b>	
SOIL DATA PROVIDED BY <b>TERRACON</b>	REFERENCE NUMBER <b>N/A</b>	SCALE <b>NONE</b>	LTS NUMBER <b>080017</b>



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

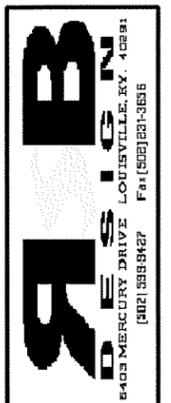
**NOTE:**  
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED AT 9" BELOW GRADE.

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

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

**SITE PLAN-GROUNDING**

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

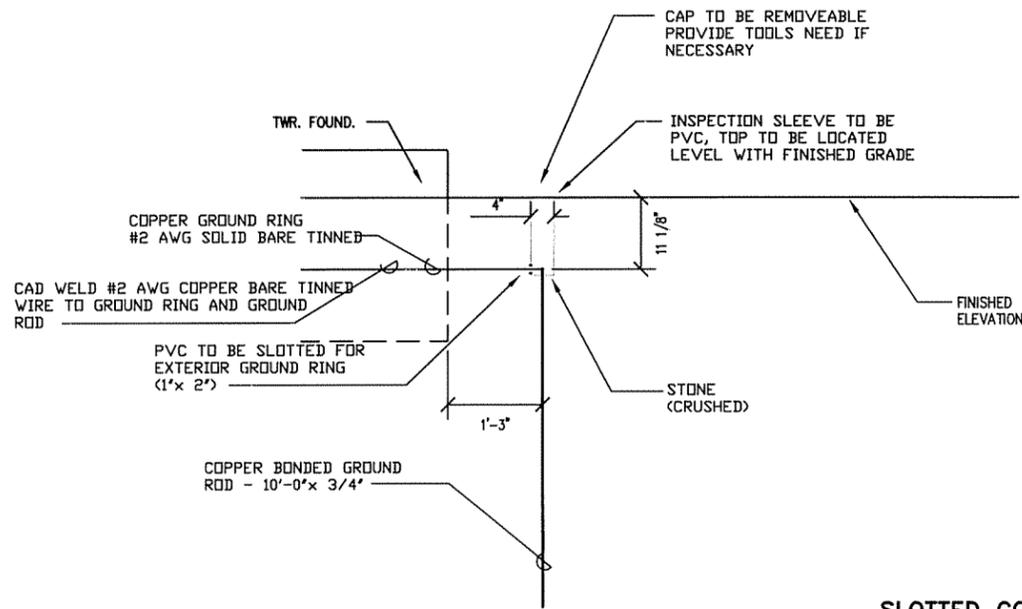


NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**RUTH**  
4832 HWY. 192 SOMERSET, KY. 42501

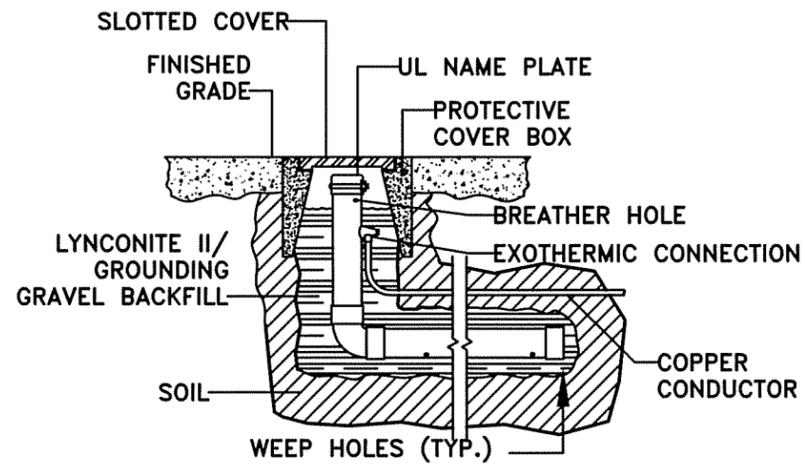
DRAWN BY: R. BECKER	ISSUE DATE: 1-11-08	SCALE: LISTED
------------------------	------------------------	------------------

SHEET NUMBER  
**E-3**



**GROUND ROD DETAIL**

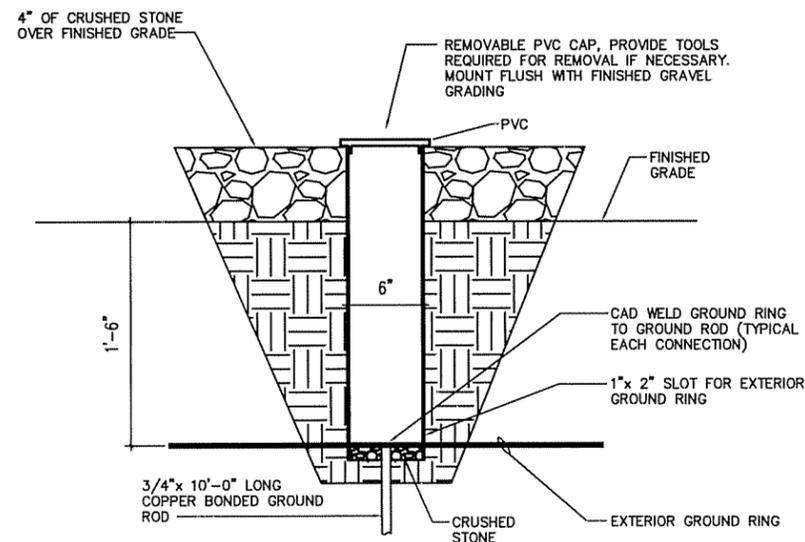
NO SCALE



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

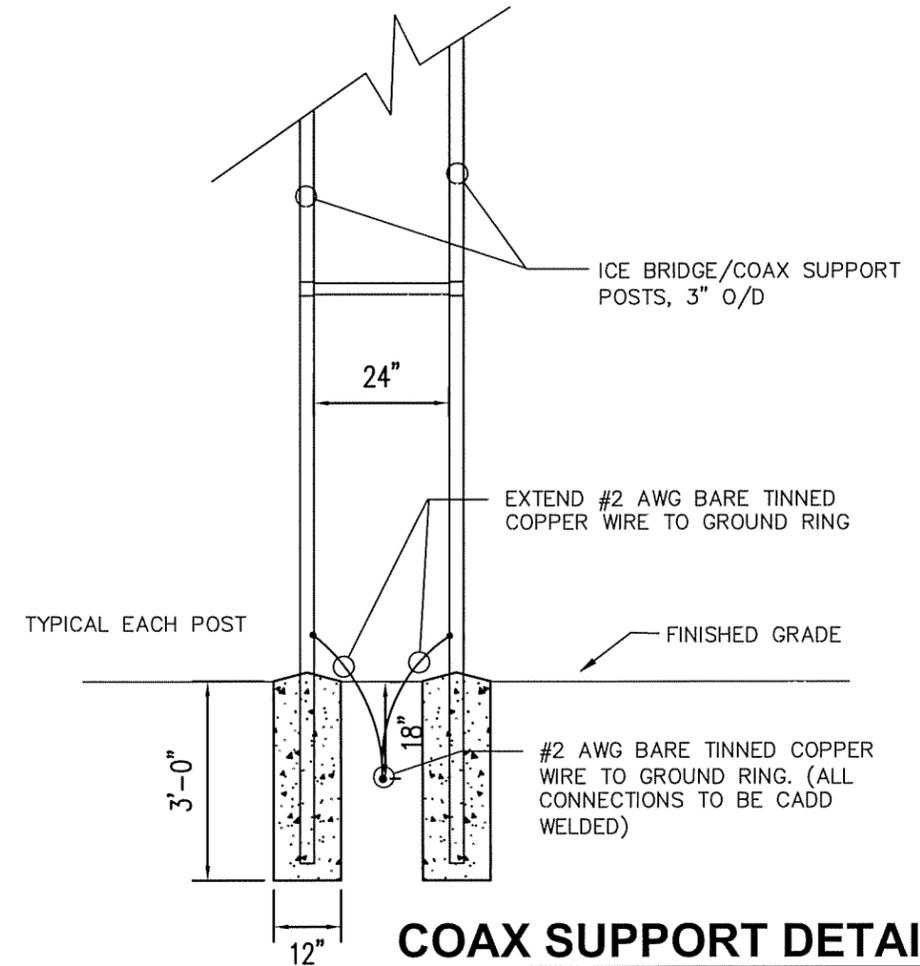
**LYNCOLE XIT ROD DETAIL**

NO SCALE



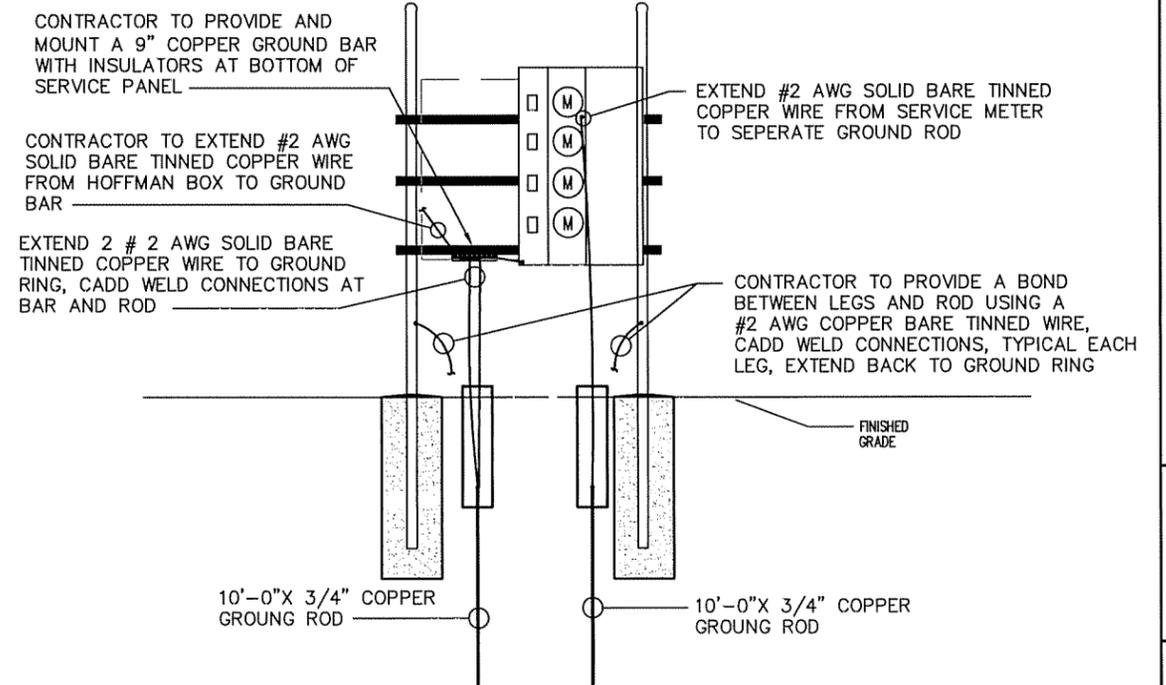
**GROUND SLEEVE DETAIL**

NO SCALE



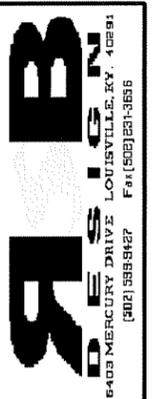
**COAX SUPPORT DETAIL**

NO SCALE



**SERVICE BOARD DETAIL**

NO SCALE

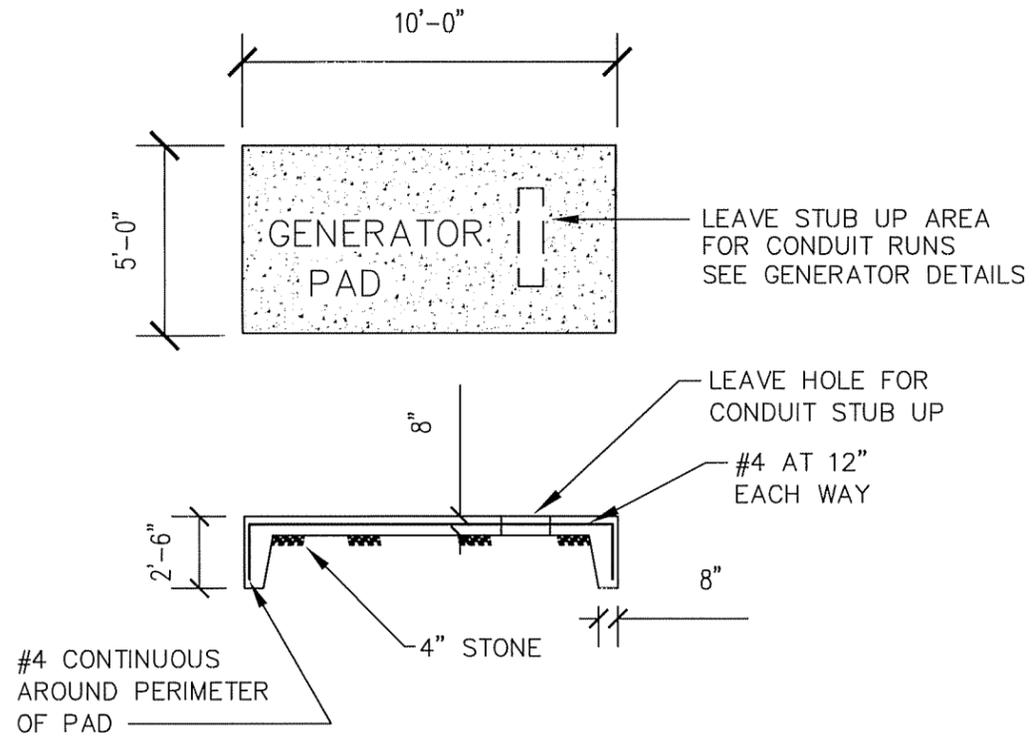


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**RUTH**  
4832 HWY. 192 SOMERSET, KY. 42501

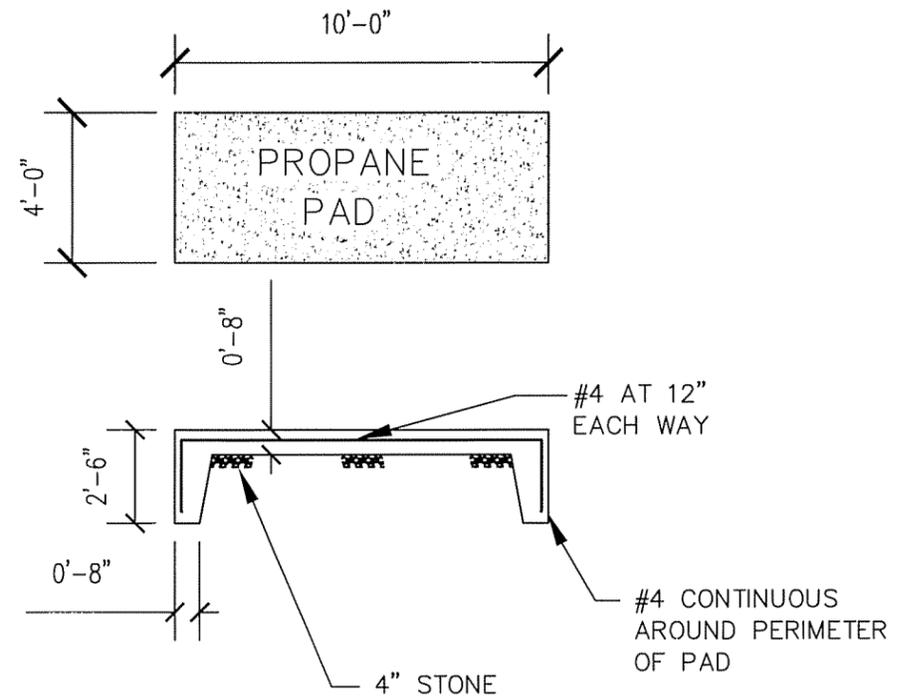
DRAWN BY: R. BECKER	ISSUE DATE: 1-11-08	SCALE: LISTED
------------------------	------------------------	------------------

SHEET NUMBER  
E-4



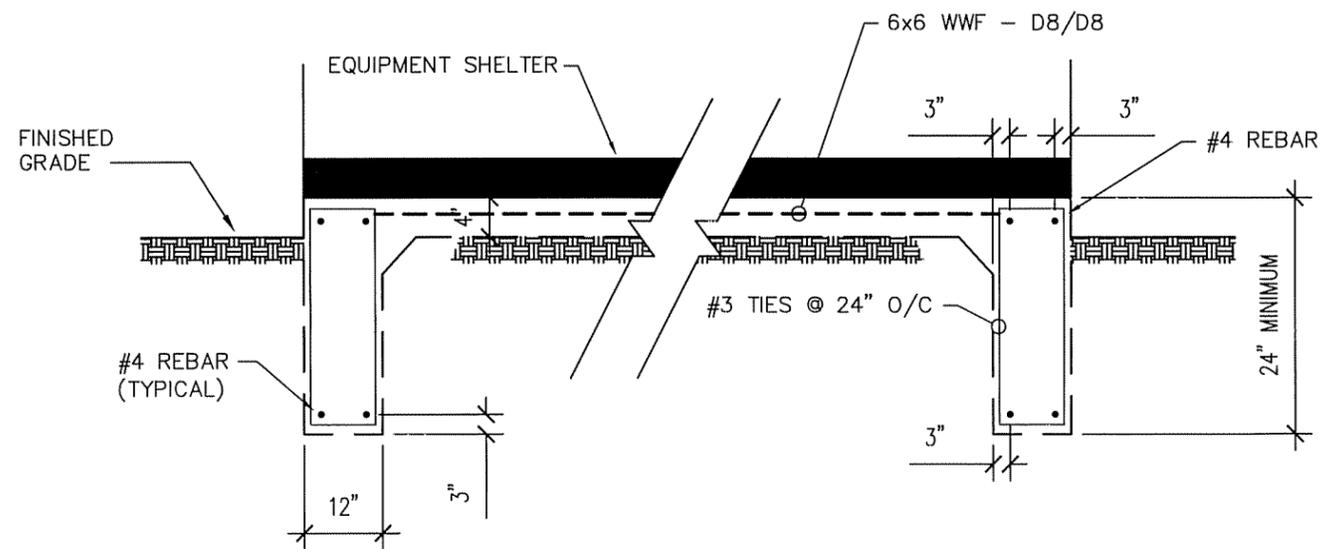
**FOUNDATION DETAIL**

NO SCALE



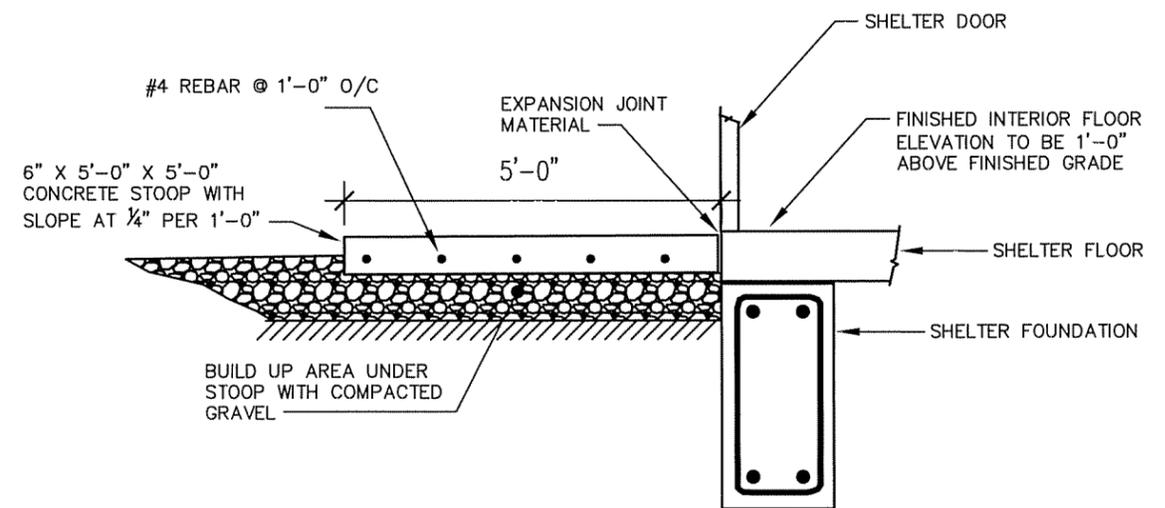
**FOUNDATION DETAIL**

NO SCALE



**SHELTER FOUNDATION PLAN**

NO SCALE



**CONCRETE STOOP DETAIL**

NO SCALE



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**RUTH**  
4832 HWY. 192 SOMERSET, KY. 42501

DRAWN BY: R. BECKER  
ISSUE DATE: 1-11-08  
SCALE: LISTED

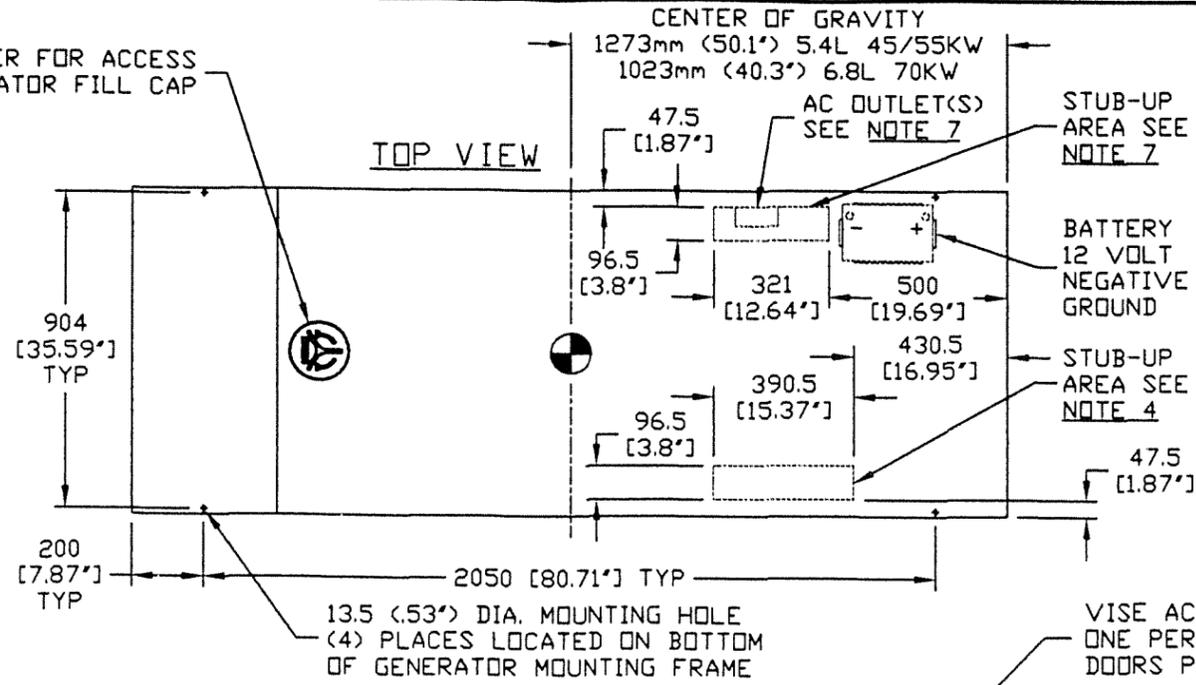
SHEET NUMBER  
S-1

OG1407

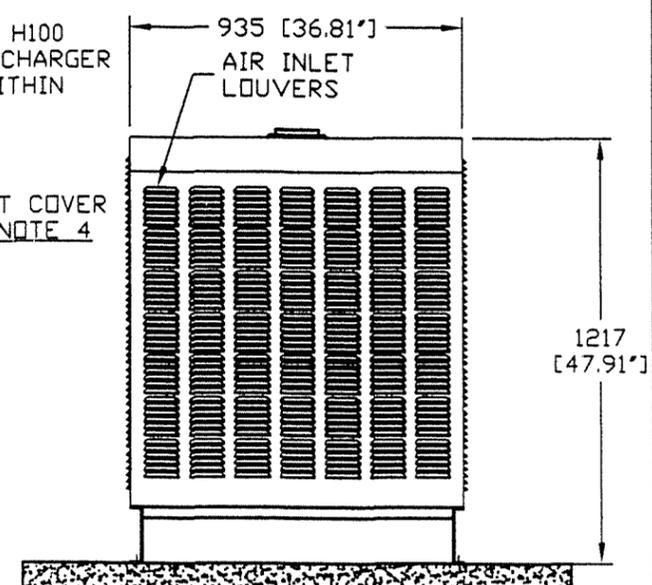
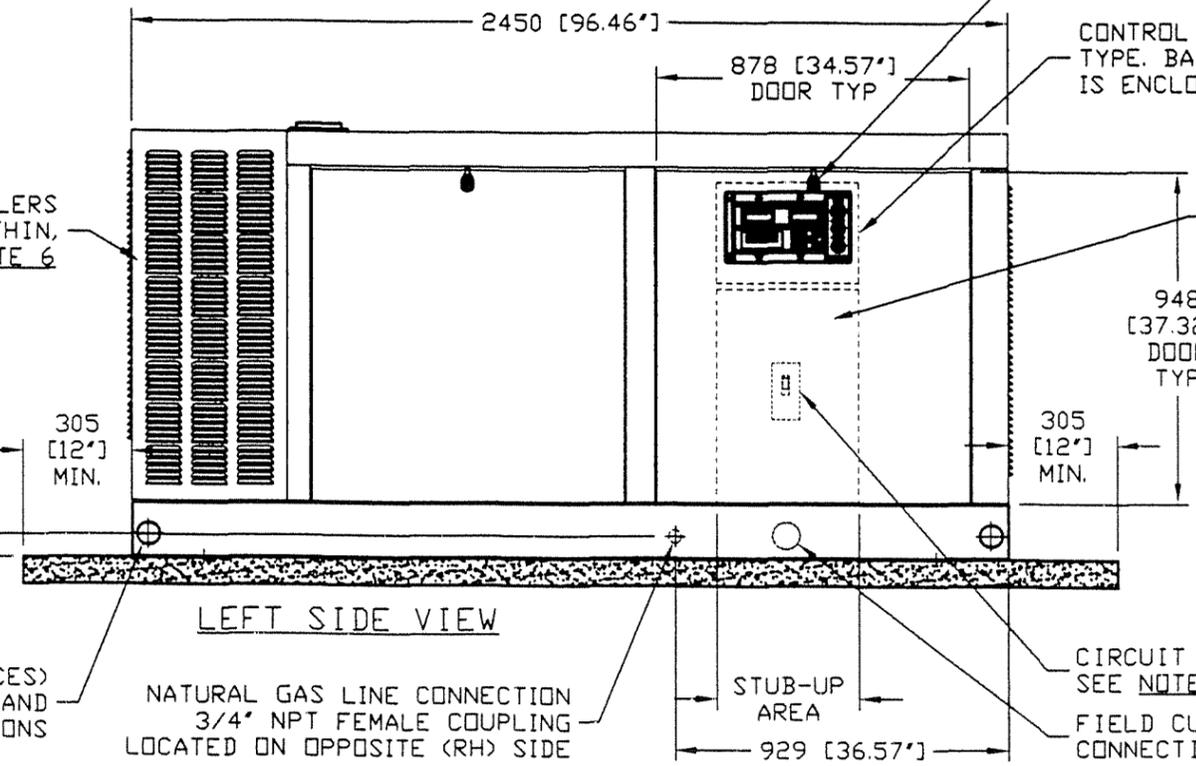
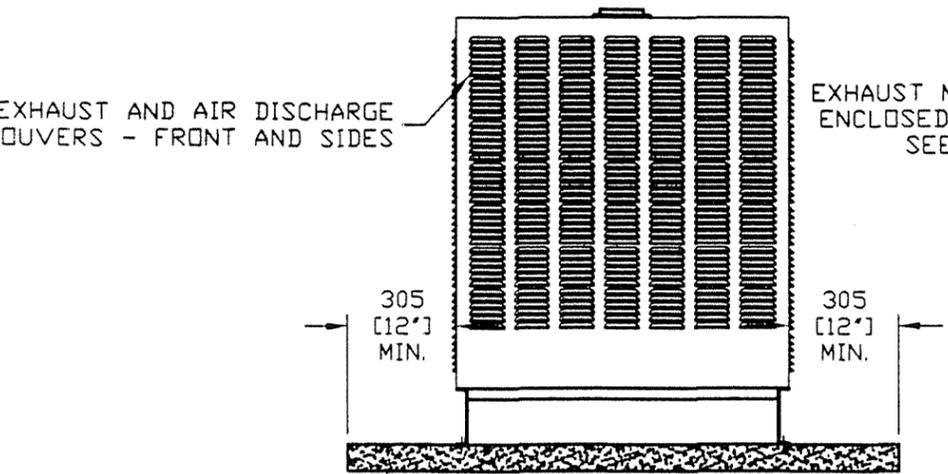
SERVICE ITEM ACCESSIBILITY CHART	
SERVICE ITEM	5. 4L 45/55KW 6. 8L 70KW
OIL FILL CAP	THRU RIGHT FRONT DOOR
OIL DIP STICK	THRU LEFT FRONT DOOR
OIL FILTER	THRU LEFT FRONT DOOR
OIL DRAIN HOSE	THRU RIGHT FRONT DOOR
RADIATOR DRAIN HOSE	THRU LEFT FRONT DOOR
AIR CLEANER ELEMENT	EITHER FRONT DOOR
SPARK PLUGS	BOTH FRONT DOORS
MUFFLERS	SEE NOTE 6
FAN BELT	EITHER FRONT DOOR
BATTERY	THRU RIGHT REAR DOOR
AC OUTLET(S)	THRU RIGHT REAR DOOR

REFERENCE OWNERS MANUAL FOR PERIODIC REPLACEMENT PART LISTINGS

- NOTES:**
- 1) MINIMUM RECOMMENDED CONCRETE PAD SIZE: 1545 (60.8') WIDE X 3061 (120.5') LONG.
  - 2) GENERATOR MUST BE LOCATED A MINIMUM DISTANCE OF 5 FEET FROM A WALL OR FENCE. ALLOW A 5 FOOT MINIMUM PERIMETER OF OPEN SPACE AROUND THE ENTIRE GENERATOR.
  - 3) CIRCUIT BREAKER INFORMATION: SEE SPECIFICATION SHEET WITHIN OWNERS MANUAL.
  - 4) INSIDE STUB-UP AREA FOR AC LOAD LEAD CONDUIT CONNECTION, NEUTRAL CONNECTION, AUXILIARY OUTPUT RELAYS AND ACCESS TO TRANSFER SWITCH CONTROL WIRES. REMOVE COVER FOR ACCESS.
  - 4A) FIELD CUT HOLE IS ONLY REQUIRED FOR MOUNTING OF GENERATOR ON AN EXISTING PAD.
  - 5) REFERENCE OWNERS MANUAL FOR LIFTING WARNINGS.
  - 6) REMOVE EITHER LEFT OR RIGHT HAND SIDE PANEL TO ACCESS EXHAUST MUFFLERS.
  - 7) INSIDE ACCESS TO 120VAC, 20A GFCI OUTLET PREWIRED TO SUPPLY POWER TO BATTERY CHARGER.  
5. 4L ONLY: 15A, 240VAC OUTLET FOR ENGINE BLOCK HEATER.  
6. 8L ONLY: USE 20A GFCI OUTLET FOR ENGINE BLOCK HEATER.



WISE ACTION LATCH, ONE PER DOOR, TWO LIFT-OFF DOORS PER SIDE OF GENERATOR



**WEIGHT DATA**

5. 4L 45/55KW - 895KG (1973 LB)
6. 8L 70KW - 991KG (2185 LB)
WOODEN SHIPPING SKIDS INCREASE OVERALL WEIGHT 79KG (175LB)

GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS.

© GENERAC POWER SYSTEMS 2001

**INSTALL DRAWING**  
**5.4L/6.8L IND C3**

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

**INSTALLATION DRAWING**

FILE NAME	OG1407.DWG	SIZE	B
SCALE	1 = 20	FIRST USE	INDUSTRIAL QT SERIES
DWG NO.	OG1407	REV	*

**GENERAL NOTES:**

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

- 17) GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.
- 18) GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- 19) GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- 20) GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.
- 21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP.
- 22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.
- 23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- 24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- 25) GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-6315
- 26) T1 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE T1 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)
- 27) GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- 28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- 29) GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.
- 30) GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.
- 31) GC WILL BE RESPONSIBLE FOR HAVING A CERTIFIED ELECTRICIAN HOOK UP THE BATTERIES (IMMEDIATELY) AFTER POWER HAS BEEN TURNED UP AT THE SITE, PREVENTING THE DELAY OF ANY WORK FOR OPERATIONS. THE GENERAL CONTRACTOR MUST NOTIFY THE PROJECT SUPERVISOR IMMEDIATELY AT THIS TIME SO HE CAN COORDINATE A CELL TECH TO BE ONSITE WHEN THIS OCCURS.
- 32) GC WILL BE RESPONSIBLE FOR RUNNING (CAT5) FROM THE GENERATOR ALARM PANEL MOUNTED ON THE SIDE OF THE TRANSFER SWITCH (BY THE CONTRACTOR), THROUGH THE TRANSFER SWITCH AND UP TO THE EXISTING CONDUIT BESIDE THE A/C POWER FAIL RELAY. THE (CAT5) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CAT5) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.
- 33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).

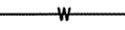
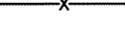
**GRADING & EXCAVATING NOTES:**

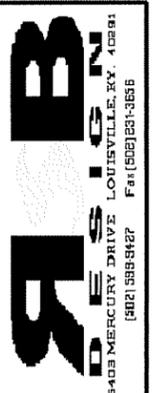
- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 2) PREPARATION FOR FILL: REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 3) BACK FILLING:
  - EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
  - SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
  - SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.
- 4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
- 7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- 10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)
- 11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

**"BEFORE YOU DIG"**

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 1-800-752-6007, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. ALL NEW SERVICE AND GROUNDING TRENCHES PROVIDE A WARNING TAPE @ 12 INCHES BELOW GRADE.

**SYMBOLS LEGEND**

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



NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**RUTH**  
 4832 HWY. 192 SOMERSET, KY. 42501

DRAWN BY: R. BECKER  
 ISSUE DATE: 1-11-08  
 SCALE: LISTED

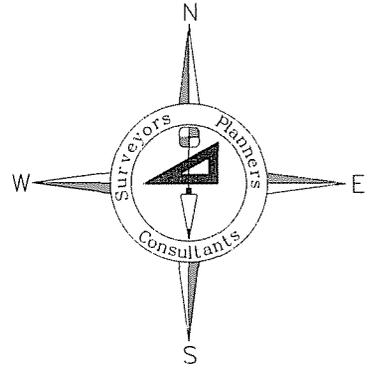
SHEET NUMBER  
**General Notes**



# Landmark Surveying Co., Inc.

---

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



15 N.E. 3rd Street  
Washington, Indiana 47501  
Phone: 812-257-0950  
Fax: 812-257-0953  
E-mail: landmark@dmrtc.net

## Directions to the Site From the County Seat of Pulaski County, Kentucky

**Ruth Site**  
**Pulaski County, Kentucky**

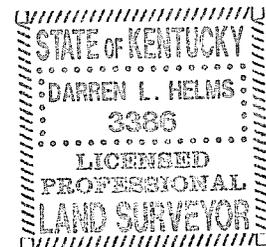
From the intersection of U.S. Highway 27 and Kentucky Highway 80 on the north side of Somerset, Kentucky: travel east on Kentucky Highway 80, toward London, for 2.7 miles to Kentucky Highway 914 (Somerset Bypass); turn right onto Kentucky Highway 914 and travel south 0.4 miles to Kentucky Highway 192; turn left onto Kentucky Highway 192 and travel southeasterly 4.3 miles to an asphalt lane on the left; turn onto the lane and travel northerly 0.2 miles to a house and garage; continue past the house and garage for another 500 feet to the tower site on a wooded hillside. The address of the site is 4832 Highway 192, Somerset, Kentucky 42501.

*Darren L. Helms*

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

*Dec. 18, 2007*

Date





Site Name: Ruth

## **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 12 day of July, 2007, by and between Ralph Johnson, single, whose address is 4824 Hwy. 192, Somerset, KY 42501 (the "Optionor (s)" and **Bluegrass Wireless LLC, a Kentucky limited liability company** 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 Pulaski County, **Kentucky** as more particularly described on Exhibit A attached hereto and incorporated herein by reference (the "Property"); and

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

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

Site Name: Ruth

1. In consideration of **One Thousand Eight Hundred Dollars and Zero Cents (\$1,800.00)** paid by the Optionee to the Optionor(s) (the "Option Consideration"), the receipt of which is hereby acknowledged by the Optionor(s), the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time before 4:00 p.m. prevailing time on 12 July 09 (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

Site Name: Ruth

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: Ruth

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: Ruth

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **4824 Hwy. 192, Somerset, KY 42501**; the Optionee's address shall be: **2902 Ring Road, Elizabethtown, KY 42701**. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Pulaski County, **Kentucky**.

## **II.**

### **LEASE AGREEMENT**

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

Site Name: Ruth

the address of the Optioner(s) set forth in Paragraph 14 hereof. The Lease amount shall be adjusted at the end of each term by an increase of 12%.

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

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

Site Name: Ruth

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: Ruth

### EXECUTION OF AGREEMENT(S)

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

Ralph Johnson  
Date: 7-7-07

("Optionor(s)")

By: **Ralph Johnson**  
Property Owner(s)

[Signature]  
Date: 7-12-7

("Optionee")

By: **Ron Smith**  
Authorized Representative

STATE OF Ky  
COUNTY OF Pulaski

The foregoing instrument was acknowledged before me this 7 day of July, 2007, by RALPH Johnson to be his/her free act and deed.

Betty Hedrick

NOTARY PUBLIC STATE AT LARGE

My commission expires: 5/17/09

STATE OF KENTUCKY  
COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 12 day of July, 2007, by **Ron Smith**, to be his free act and deed.

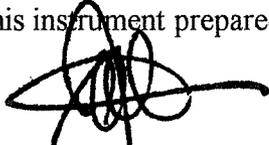
Jill L. Vico

NOTARY PUBLIC STATE AT LARGE

My commission expires: 1-21-09

Site Name: Ruth

This instrument prepared by:

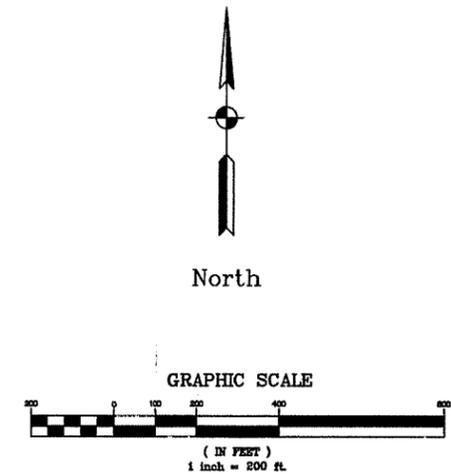
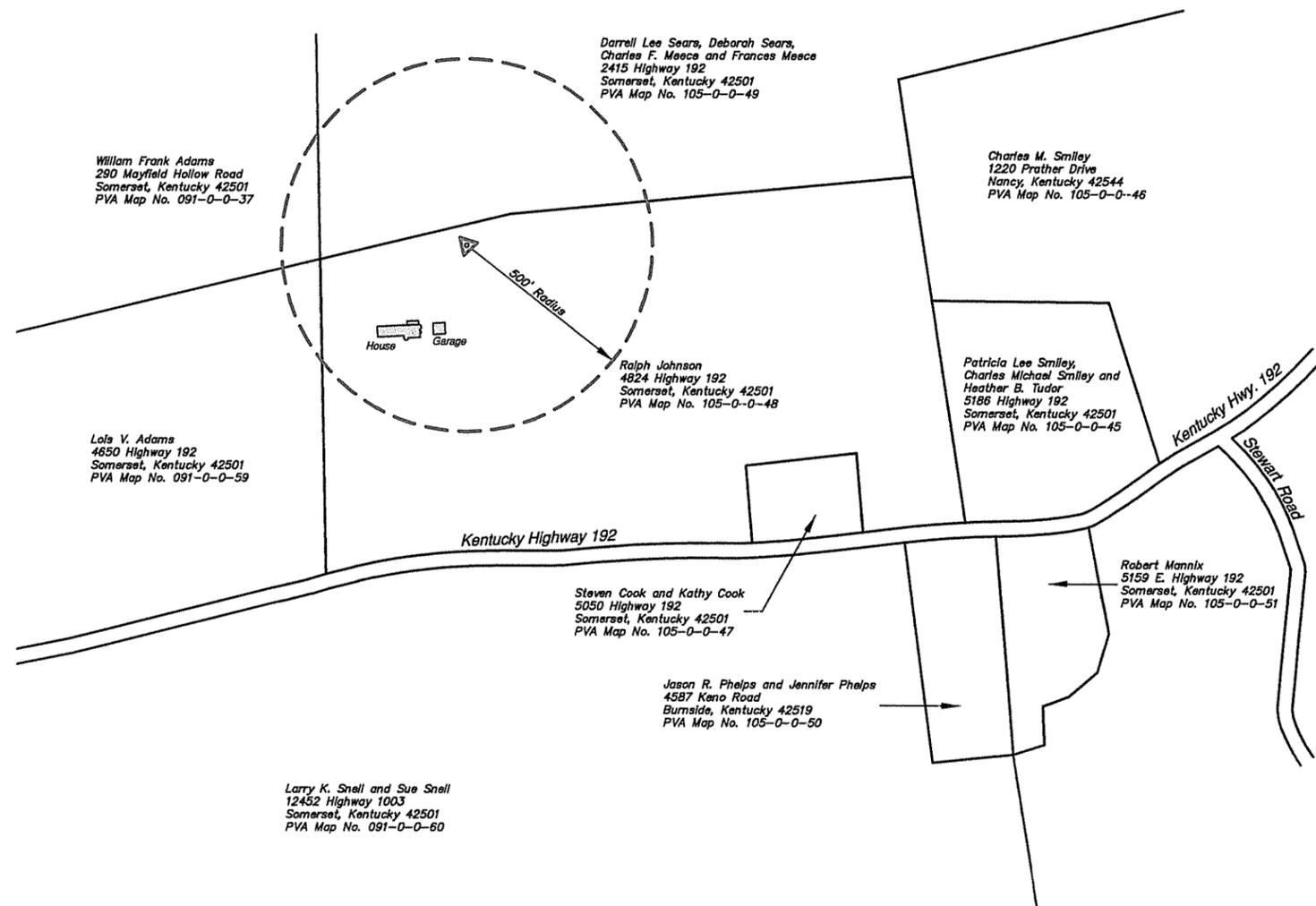


---

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



Site: Ruth  
500-Foot Radius Map for Structures and Landowners  
Pulaski County, Kentucky



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

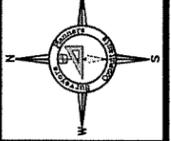
Surveyor's Certification  
 I hereby certify that the information shown is correct to the best of my knowledge, and it is in accordance with the records found in the offices of the Property Valuation Administrator and County Clerk of Pulaski County, Kentucky on December 5, 2007.

*Darren L. Helms*  
 Darren L. Helms, P.L.S. 3386  
 Dec. 18, 2007  
 Date

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

**Reduced Copy**

Landmark Surveying Co., Inc.  
 19 N.E. 3rd Street  
 Washington, Indiana 47501  
 (812) 257-0850  
 Email: landmark@bellsouth.net  
 Project No. 07-12-0185



500-Foot Radius Map  
 4832 Highway 192  
 Somerset, Kentucky 42501

**Bluegrass Cellular**  
 2902 Ring Road  
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

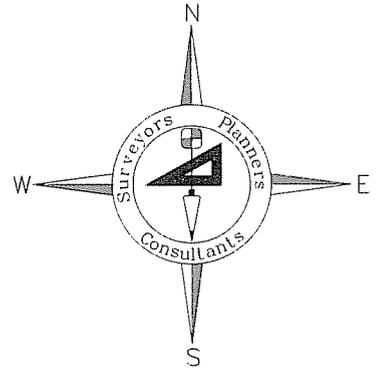
DATE 12-18-07	DRAWN BY A. Whittle	CHECKED BY D.L. Helms
SHEET NO. 1		
OF 1 SHEETS		
FILE NO. ruth-radius.dwg		



# Landmark Surveying Co., Inc.

---

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



15 N.E. 3rd Street  
Washington, Indiana 47501  
Phone: 812-257-0950  
Fax: 812-257-0953  
E-mail: landmark@dmrtc.net

## Landowner and Adjacent Landowner List

Bluegrass Cellular  
Ruth Site  
Pulaski County, Kentucky

William Frank Adams  
290 Mayfield Hollow Road  
Somerset, KY 42501

Lois V. Adams  
4650 Highway 192  
Somerset, KY 42501

Larry K. Snell and Sue Snell  
12452 Highway 1003  
Somerset, KY 42501

Steven Cook and Kathy Cook  
5050 Highway 192  
Somerset, KY 42501

Jason R. Phelps and Jennifer Phelps  
4587 Keno Road  
Burnside, KY 42519

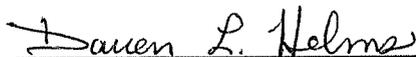
Robert Mannix  
5159 E. Highway 192  
Somerset, KY 42501

Patricia Lee Smiley,  
Charles Michael Smiley and  
Heather B. Tudor  
5186 Highway 192  
Somerset, KY 42501

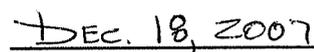
Charles M. Smiley  
1220 Prather Drive  
Nancy, KY 42544

Darrell Lee Sears, Deborah Sears,  
Charles F. Meece and Frances Meece  
2415 Highway 192  
Somerset, KY 42501

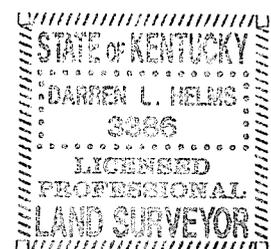
Ralph Johnson  
4824 Highway 192  
Somerset, KY 42501



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



Date



January 15, 2008

Ralph Johnson  
4824 Highway 192  
Somerset, Kentucky 42501

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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>	<p>A. Signature x <i>Sheneea Wallin</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery _____</p>
<p>1. Article Addressed to:</p> <p>Ralph Johnson 4824 Highway 192 Somerset, Kentucky 42501</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7007 2560 0000 5882 0868</p>

January 15, 2008

Charles M. Smiley  
1220 Prather Drive  
Nancy, Kentucky 42544

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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>	<p>A. Signature  <i>X Charles M. Smiley</i>      <input type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)      C. Date of Delivery  <i>CHARLES M. SMILEY</i>      _____</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes  If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Charles M. Smiley 1220 Prather Drive Nancy, Kentucky 42544</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail      <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered      <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail      <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee)      <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)      7007 2560 0000 5882 0882</p>	

January 15, 2008

Jason R. and Jennifer Phelps  
4587 Keno Road  
Burnside, Kentucky 42519

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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>	<p>A. Signature <input checked="" type="checkbox"/> <i>Jennifer Phelps</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Jennifer Phelps</i> C. Date of Delivery <i>1/18/08</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>
1. Article Addressed to:  Jason R. and Jennifer Phelps 4587 Keno Road Burnside, Kentucky 42519	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>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
2. Article Number (Transfer from service label) <i>7007 2560 0000 5882 0912</i>	PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

January 15, 2008

Larry K. and Sue Snell  
12452 Highway 1003  
Somerset, Kentucky 42501

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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>	<p>A. Signature <input checked="" type="checkbox"/> <i>Sue Snell</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>SUE SNEEL</i></p> <p>C. Date of Delivery <i>1/17/08</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Larry K. and Sue Snell 12452 Highway 1003 Somerset, Kentucky 42501</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7007 2560 0000 5882 0936</u></p>	

January 15, 2008

Robert Mannix  
5159 E. Highway 192  
Somerset, Kentucky 42501

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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"/> Robert W. Mannix <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  Robert Mannix 5159 E. Highway 192 Somerset, Kentucky 42501	B. Received by (Printed Name) ROBERT MANNIX	C. Date of Delivery 1/17/08
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	
	7007 2560 0000 5882 0905	

January 15, 2008

William Frank Adams  
290 Mayfield Hollow Road  
Somerset, Kentucky 42501

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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>Anita Adams</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to:  William Frank Adams 290 Mayfield Hollow Road Somerset, Kentucky 42501	B. Received by (Printed Name) <i>ANITA ADAMS</i> C. Date of Delivery <i>1/17/08</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
	7007 2560 0000 5882 0950

January 15, 2008

Darrell Lee Sears, Deborah Sears, Charles F. Meece and Frances Meece  
2415 Highway 192  
Somerset, Kentucky 42501

## Public Notice

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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>	<p>A. Signature <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span> <i>X Deborah Sears</i></p> <p>B. Received by (Printed Name) <span style="float: right;">C. Date of Delivery</span> <i>Deborah Sears</i> <span style="float: right;"><i>1/17/08</i></span></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>
1. Article Addressed to:  Darrell Lee Sears, Deborah Sears, Charles F. Meece and Frances Meece 2415 Highway 192 Somerset, Kentucky 42501	<p>Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
2. Article Number (Transfer from service label)	7007 2560 0000 5882 0875



January 15, 2008

Lois V. Adams  
4650 Highway 192  
Somerset, Kentucky 42501

## **Public Notice**

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

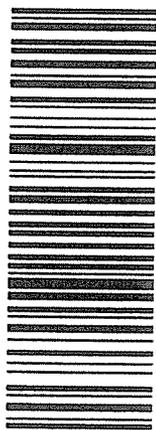
**Please refer to case number 2008-00013 in your correspondence.**

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>	<p>A. Signature <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X</b></p> <p>B. Received by (<i>Printed Name</i>) <span style="float: right;">C. Date of Delivery</span></p>
<p>1. Article Addressed to:</p> <p>Lois V. Adams 4650 Highway 192 Somerset, Kentucky 42501</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>2. Article Number (<i>Transfer from service label</i>)</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes</p>
<p>7007 2560 0000 5882 0943</p>	

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

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE  
**CERTIFIED MAIL™**



7007 2560 0000 5882 0943  
7007 2560 0000 5882 0943

U.S. Postal Service™ <b>CERTIFIED MAIL™ RECEIPT</b> ( <i>Domestic Mail Only; No Insurance Coverage Provided</i> )											
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>											
<b>OFFICIAL USE</b>											
<table border="1"> <tr> <td>Postage</td> <td>\$</td> </tr> <tr> <td>Certified Fee</td> <td></td> </tr> <tr> <td>Return Receipt Fee (Endorsement Required)</td> <td></td> </tr> <tr> <td>Restricted Delivery Fee (Endorsement Required)</td> <td></td> </tr> <tr> <td><b>Total Postage &amp; Fees</b></td> <td>\$</td> </tr> </table>	Postage	\$	Certified Fee		Return Receipt Fee (Endorsement Required)		Restricted Delivery Fee (Endorsement Required)		<b>Total Postage &amp; Fees</b>	\$	<p style="text-align: center;">Postmark Here</p>
Postage	\$										
Certified Fee											
Return Receipt Fee (Endorsement Required)											
Restricted Delivery Fee (Endorsement Required)											
<b>Total Postage &amp; Fees</b>	\$										
<p>Lois V. Adams 4650 Highway 192 Somerset, Kentucky 42501</p> <p style="text-align: right;"><small>Reverse for Instructions</small></p>											



[Track & Confirm](#)

[FAQs](#)

## Track & Confirm

### Search Results

Label/Receipt Number: **7007 2560 0000 5882 0943**

Status: **Delivered**

Your item was delivered at 9:02 AM on January 18, 2008 in SOMERSET, KY 42501.

[Track & Confirm](#)

Enter Label/Receipt Number.

[Additional Details >](#)

[Return to USPS.com Home >](#)

[Go >](#)

### Notification Options

#### Track & Confirm by email

Get current event information or updates for your item sent to you or others by email.

[Go >](#)

[Site Map](#)

[Contact Us](#)

[Forms](#)

[Gov't Services](#)

[Jobs](#)

[Privacy Policy](#)

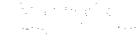
[Terms of Use](#)

[National & Premier Accounts](#)

Copyright© 1999-2007 USPS. All Rights Reserved.

No FEAR Act EEO Data

FOIA



January 15, 2008

Patricia Lee Smiley, Charles Michael Smiley and Heather B. Tudor  
5186 Highway 192  
Somerset, Kentucky 42501

## **Public Notice**

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless LLC 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 4832 Highway 192, Somerset, Kentucky 42501. A map showing the location is attached.

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

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

**Please refer to case number 2008-00013 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 items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Patricia Lee Smiley, Charles Michael Smiley  
and Heather B. Tudor  
5186 Highway 192  
Somerset, Kentucky 42501

2. Article Number

(Transfer from service label)

7007 2560 0000 5882 0899

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- Certified Mail
- Registered
- Insured Mail
- Express Mail
- Return Receipt for Merchandise
- C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

**CERTIFIED MAIL™**



7007 2560 0000 5882 0899  
7007 2560 0000 5882 0899

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

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

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

Postmark  
Here

Patricia Lee Smiley, Charles Michael Smiley,  
and Heather B. Tudor  
5186 Highway 192  
Somerset, Kentucky 42501

Reverse for Instructions



## Track & Confirm

### Search Results

Label/Receipt Number: **7007 2560 0000 5882 0899**

Status: **Delivered**

Your item was delivered at 11:40 AM on January 17, 2008 in SOMERSET, KY 42501.

[Track & Confirm](#)

Enter Label/Receipt Number.

### Notification Options

#### Track & Confirm by email

Get current event information or updates for your item sent to you or others by email.

[Site Map](#)

[Contact Us](#)

[Forms](#)

[Gov. L. Services](#)

[Jobs](#)

[Privacy Policy](#)

[Terms of Use](#)

[National & Premier Accounts](#)

Copyright© 1999-2007 USPS. All Rights Reserved.

No FEAR Act EEO Data

FOIA





# Dinsmore & Shohl LLP

ATTORNEYS

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

January 15, 2008

## Via Certified Mail

Honorable Barty Bullock  
Pulaski County Judge Executive  
Courthouse  
100 North Main Street  
Somerset, Kentucky 42501

RE: Public Notice - Public Service Commission of Kentucky  
Case No. 2008-00013

Bluegrass Wireless LLC is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Wireless LLC 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) #6 in Pulaski County. The facility will include a 240 ft. tower and an equipment shelter to be located at 4832 Highway 192, Somerset, Kentucky, 42501. 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, KY 40621. Please refer to

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"/> Addressee <input type="checkbox"/> Agent B. Received by (Printed Name) C. Date of Delivery 1-17-08
1. Article Addressed to:  Honorable Barty Bullock Pulaski County Judge Executive Courthouse 100 North Main Street Somerset, Kentucky 42501	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

2. Article Number  
(Transfer from service label) 7007 2560 0000 5882 0974



# **PUBLIC NOTICE**

Bluegrass Wireless LLC  
proposes to  
construct a cellular  
communications

# **TOWER**

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

Bluegrass Wireless LLC  
P. O. Box 5013  
2007 King Road  
Hiramstown, NY 42701

Executive Director  
Public Service Commission  
211 Center Boulevard  
P. O. Box 615  
Frankfort, NY 40602

Please refer to P.S.C.  
**Case #2008-00013**  
in your correspondence.

# **PUBLIC NOTICE**

Bluegrass Wireless LLC  
proposes to  
construct a cellular  
communications

# **TOWER**

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

Bluegrass Wireless LLC  
P.O. Box 5812  
2602 Ring Road  
Elmwoodtown, KY 40301

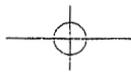
Executive Director,  
Public Service Commission  
211 Sewer Boulevard  
P.O. Box 615  
Frankfort, KY 40602

Please refer to P.S.C.

**Case #2008-00013**

in your correspondence.





# AFFIDAVIT OF PUBLICATION

I, Courtney Chumbley, of the Commonwealth Journal, a legal newspaper holding a second-class mailing permit, published daily except Mondays in Somerset, county of Pulaski, Commonwealth of Kentucky, do swear and subscribe that the attached proof of publication of a

- legal notice, as required and prescribed by KRS
- paid advertisement

was published in said newspaper in the issue of January 24<sup>th</sup> 27  
for which the sum of \$ 81.06 is due and payable.

Signed: Courtney M. Chumbley  
Title: Classified Ad Manager

Subscribed and sworn to before me, a notary public for the County of Pulaski, Commonwealth of Kentucky, this 24<sup>th</sup> day of January, 20 07.

My Commission Expires March 4, 2009  
[Signature]  
My commission expires 3-4-09

(Seal)

Control, keyless entry, Leather heated seats, 6-disc CD changer, Cassette player w/weather band, dual sunroofs, power seats, auto climate control,, rebuilt title. \$10,500. 913-273-5002

**2004 Grand Jeep Cherokee 4 x 4**  
\$10,000  
451-0036 or 875-7308

**2006 Black Jeep Rubicon** 14,000 miles, automatic, hard top, soft top, bikini top  
Call 606-416-4469

**730 Recreational Vehicles**

**2005 4 wheeler 400**  
Bombardier Outlander Automatic with extras, 2 seats, 80 miles, same as new. \$5500.00 Call 606-561-8675

**For Sale 1986 24 ft.**  
Pontoon w/ canopy. 90 HP Motor, Power steering & Stereo, Newly remodeled. \$6800 Call: 219-1343

**Houseboat,**  
beautiful, old, full bath, sleeps 4-6, needs some work, Coast Guard Approved, new Somerset Steel Hull. Reduced to \$7,900. 606-678-8184

**Jayco Pop Up King-Queen** beds plus table to bed twin, AC-Heater, in-out 4 burner gas stove, refrigerator, sink, awning, 9x12 screen room, Lots of storage, table shelves, 1993 anniv. model 1206KB, excellent shape with extras, Swaybar inc. \$2900 Call 606-875-9551

**2000 Sea Doo XP, 951 cc's,** rotax. Comes w/ Trailer, \$4000 obo. Call 606-224-3567 ask for Roger.

**Beautiful 2003 Forest River Sierra 5th Wheel** (30ft.) Platinum package, designer blue, loaded. \$22,900. Also a **2003 F-250, 3 Qt. Ton 4x4** Will sell both for \$45,000. Call: 606-416-5437 or 920-319-1839.

**1970 Cayo Slide in**  
Camper all aluminum construction with A/C all gas appliances in excellent condition. \$2500 Call 606-305-6245

**1976 Sea Ray 22 ft with**  
Trailer, mooring cover. Runs excellent, cuddy cabin. \$2500 obo 606-871-0407 or 606-271-9307 call anytime & leave Message if needed.

**1974 Main streamer Fishing Boat,** 50 HP, trolling motor, fish finder. \$1500 firm. Call 606-271-7951

**1995 Yamaha Banshee** newly rebuilt. Call 606-271-3811

**2001 Keystone Springdale**  
285 FK clean, Very nice camper with slide, awning, 2 doors, ducted central heat and A/C. Sleeps 6. 2- 30 Lb. LP tanks, electric tongue jack. Used very little. Hitch w/ stabilizing and sway bar for \$11,750. Call 423-2534 or 271-3252 for more info.

**1979 Class C 23 ft Motor**  
Home on Chev Chassis 70, 000 miles. Good Shape. \$4500 obo. Call 606-561-8001

**Super Nice**  
Prowler Gooseneck Trailer 31 feet. Older model. Can also be used as a fifth wheel. Reduced \$3000. Call 606-219-2766 or 606-561-9896

**Crest Liner Fishing Pontoon 2003** . 2004 Mercury 50HP, 2 live wells, 74 lb thrust trolling motor. Fish finder changing room. Call 606-561-6331 or 937-216-7630

**130 HP Mercury**  
Inboard/ Outboard and lower unit. \$900. 1972 Invader-16ft. 80 HP motor, w/ roll-on trailer or. Call: 382-5012

**2003 Polaris Predator 500**  
\$3500 / OBO  
875-0629

**2003 Yamaha Warrior 350** \$2300 obo. Call 606-383-1079

**Super Sharp 200 Kawasaki Ultra 150 Jet Ski.**  
With galvanized double trailer. **Very Very fast.** Asking \$3900.00 Call 606-561-0893 or 606-271-2024



**2007 Passport Ultra Light B255 by Keystone**  
Used only 3 times  
Total length (including tongue) 29 1/2  
Sleeps: 8 --- Queen Size bed, couch, dining table, full size bed, onebunk bed  
Microwave, refrigerator, stove, Bathroom and shower  
Retail: \$22,997  
Sale Price \$17,500 or OBO  
Please call Angela at 606-305-5249

**1989 Cajun Bass Boat**  
150 Evinrude XP  
12/24 trolling motor  
2 Depth Finders  
561-0217 or 875-7909  
Leave Message.

**1993 17ft. Brunswick**  
Spectrum aluminum, fish & ski 1998 115 hp Evinrude, 24 v. trolling motor. 3 batteries, full cover, SS prop, Low hours.  
\$3950.00  
606-875-3678  
606-875-9898

**NOTICE**

Bluegrass Wireless, LLC, 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 #6 of the Commonwealth of Kentucky (Ruth Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 4832 Hwy. 192, Somerset, KY. 42501. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, 211 Sower Blvd., Frankfort, KY. 40602. Please refer to Case No. 2008-00013 in your correspondence.

The Food Service Division of Somerset Independent Schools will be holding a public forum Wednesday, January 30, 2008, at 3:30 p.m. at 305 College Street to discuss the district's nutritional report card.

**NOTICE**

Any person having any knowledge as to the existence or whereabouts of the following persons are asked to immediately contact the Law Office of Hon. Charles J. McEnroe, P.O. Box 10, Somerset, KY 42502; phone (606) 679-5186: William E. Roddy, his spouse if any, and his heirs, beneficiaries, executors, successors and assigns, or any other person or entity who may be claiming an interest in certain real property known as Lots 33, 34 and 35 of Block A, Unit #6, of the Garland Subdivision located in Pulaski County, Kentucky, said property having been conveyed to William E. Roddy by a Deed dated 5-28-65 and of record in Deed Book 265, page 188, Pulaski County Clerk's Office, Kentucky.

**ARCHITECTURAL AND/OR ENGINEERING SERVICES.**

The Pulaski County Public Schools (PCPS) is seeking responses to Request for Qualifications from architectural or engineering firms interested in providing consultation services for a school project, which is expected to be initiated during the 2008-2009 school year. The school project is the construction of a 400-elementary school. Coordination of all construction work with the continuation of the school's daily instructional activities and programs throughout the regular school year will be expected, if applicable. The selection process will be conducted in the following parts: Stage One consists of this RFQ and the identification of a short list of qualified firms; Stage Two will consist of reviews of Request for Qualifications of those firms and final selection. Aspects of this process, and subsequent development of consultant agreement, shall comply with the provisions of 702 KAR 4:160. Favorable consideration will be given to design consultant teams: (1) Composed of a prime architectural or engineering firm and sub-consultants (e.g., site, structural, mechanical/electrical, etc.) that have successfully completed Pulaski County School projects previous to this project; (2) With school project experience; (3) Capable of dedicating one Firm Partner/Principal-in-Charge (for mechanical/electrical projects a firm engineer is acceptable as Principal-in-Charge) to be the designated point-of-contact to PCPS throughout the duration of the project. The designated person is expected to be "on-call" and available, throughout the life of the project. Responses to this RFQ shall be organized in the following format: (1) Limit to one page - Provide the name, address, phone/fax numbers and brief history of the responding firm. Please note that certificates of professional liability insurance will be required from the prime design consultant and all sub-consultants per 702 KAR 4:160; (2) Limit to three pages - Provide the resumes of the Firm Partner/Principal-in-Charge (the person dedicated to this project throughout its entire duration), as well as the project architect and/or manager to be assigned to this project and his/her role. The Firm Partner/Principal-in-Charge must be empowered to speak for the firm on policy and contractual matters. Please provide the firm's current contractual commitments with anticipated completion dates; (3) Limit to six pages - Identify related project areas of expertise on which the firm has performed work or had experience during the last five years. List current projects that demonstrate the responding firm's competence to perform work similar to that likely to be required on school projects. The more recent such projects, the better. Emphasis should be placed on projects that illustrate the respondent's capability for performing work similar to that being sought. (The required information on each project shall be limited to the front side of one 8-1/2" x 11" page and must include: (a) the name and location of project, (b) a brief description of building type, (c) the extent of services provided for each project, (d) the owner's contact person, (e) the start and completion dates, and (f) the design consultant's estimate, the original construction contract, the total of all change orders (state the total number of change orders), the final contract amount, and similar details regarding the project schedule. Photographs or drawings of the project must fit within the one page limit for each project). a. Include projects where architecture/engineering design services and construction administration were performed; b. Include examples of project budgeting, project schedule management, cost estimating, change order control and results. Additionally, you are invited to include information not covered above which you feel may be useful and applicable to school projects. 5) Submit two copies no later than 2 PM Monday, February 4, 2008, to: Mr. Steve Butcher, Assistant Superintendent of Operations, Pulaski County Public Schools, P.O. Box 1055, Somerset, KY 40502. 6) Questions will be received for response by: Mr. Steve Butcher, Pulaski County Public Schools, (606) 679-1123.

McCreary County. 12/07

**FRYE, PAUL & EDSEL**

No Trespassing, No Hunting, No Fishing. Not responsible for any accidents or injuries that occur on all properties Pulaski & McCreary County. 12/07

**FRYE, Roy W. & Norma**

No Trespassing, No Hunting, No Fishing. Not responsible for any accidents or injuries that occur on all properties Pulaski & Wayne County. 11/07

**GAINES, Denzel or Lois**

Faubush Creek/Faubush Norfleet Hd. Nancy KY. No trespassing, no hunting. Not responsible for accidents or injuries. 04/08

**GALLOWAY, Mike & Wilma**

Bend of The Lakes, No trespassing, no hunting, no four wheeling. Not responsible for any accidents that occur on all properties. 07/08

**GASTINEAU, Charles and Shirley**

124 Heritage Ave. NO TRESPASSING. Not responsible for any accidents or injuries on all properties. 09/07.

**GASTINEAU, Coy-**

No trespassing. No hunting. Not responsible for any accidents on property owned. 09/07.

**GOBDB,Carolyn**

Bend of the Lake Shores. No trespassing, no hunting on property for any reason. Will not be responsible for any accidents that may occur on any properties. 05/08

**GOBDB,Chris**

No Trespassing, no hunting, no fishing, no vehicles, no horses. Not responsible for accidents or injuries that may occur. Sears Road Roper Place Farms. 11/08

**GOSSE, Mildred**

No trespassing on property for any reason. Will not be liable for any persons or accidents. 10/08

**GOSSETT, Debra, David or Jessica**

No trespassing no hunting or fishing. Not responsible for accidents or injuries that may occur on properties located in Pulaski County off of Jacksboro Rd 06/08

**GOSSETT, Glenda K.**

All properties. No Trespassing. No Hunting. No Fishing. Violators will be prosecuted. Not liable for any accidents or injuries occurring on any and all properties. 11/07

**HARNESS, Olive-**

No trespassing or hunting. Not responsible for any accidents that may occur on all property. All violators will be prosecuted. 06/08

any accidents or injuries that may occur on any and all properties. 10/08

**HUNLEY CARTHEL ES-TATE.**

2279 Wolf Creek Rd Ingle Ky. All Properties. No Hunting, No fishing, no trespassing, no 4 wheeling without permission of owners. Not responsible for accidents or injuries. 01/09

**HUNT, Lora & Vearl**

No Trespassing, no hunting, no fishing. Not liable for any accidents or injuries occurring on any and all properties. 01/09

**HURLEY, GREG & WANDA.**

No trespassing, no hunting, no 4 wheeling. Not responsible for accidents or injuries that may occur on any and all properties located in Pulaski County. 09/08

**INABNITT, Elmer & Betty**

No trespassing, no hunting, no fishing, no 4 wheeling. Not responsible for accidents or injuries that may occur on an and all properties located in Pulaski County. 12/08

**JASPER, Nina Mae**

No trespassing, no hunting, no 4 wheeling, no horseback riding. Not responsible for accidents or injuries that may occur on any and all properties in Pulaski County. 11/08

**KENTUCKY HARDWOODS LUMBER INC**

No trespassing, no hunting, no fishing, no 4 wheeling. Not responsible for accidents or injuries. On any and all properties located in Pulaski County. 05/08

**KIRBY, Sue**

66 Cabin Ridge Rd. Somerset, Ky. No Trespassing, No Hunting, No Fishing. Not responsible for accidents or injuries. 10/08

**LARKINS, Cecil**

380 Gooch Lane Eubank, KY 42567 No Trespassing day or night.

**LEE, Charles-**

No trespassing. Not responsible for any or all accidents or injuries. On property located 13341 Hwy 39 Somerset 10/07

**LEIGH, Pam & Gary Lee OR MCCLENDON Arthur & Karen.**

No trespassing, no hunting, no fishing. Not responsible for accidents or injuries on any and all properties located in Pulaski Co. 7008 W Hwy 80 in Nancy. 10/08

**LEWIS, Heeler & Verna**

No trespassing, no hunting, no fishing. Not responsible for accidents or injuries. On any and all properties in Pulaski County. 06/08

**NEELEY, Sheila-44**

Piney Grove Road Nancy. No Hunting or Trespassing, not responsible for any accidents or injuries that occur on this property any time. 07/08

**NEVELS, Kenny & Marty.**

All properties Bronston, KY. No trespassing, no hunting, no fishing, no four wheeling. Violators will be prosecuted. Not liable for any accidents or injuries occurring on property. 08/08

**NEW, Vernon-**

1283 Hwy 1003. No hunting, no trespassing, no fishing. Not responsible for any accidents or injuries occurring on any and all properties. 06/08

**PALLANT, Harry & Patricia,**

1165 Raymond Todd Road. No trespassing, no hunting, no four wheeling. Violators will be prosecuted. Not liable for any accidents or injuries occurring on any and all properties. 11/08

**PENNINGTON Julie-**

No Trespassing, no hunting, not responsible for accidents or injuries that may occur on property located at Three Springs Association. 09/08

**PERRON, Ronald & Joyce-**

No trespassing. No hunting. Not for any accidents or injuries occurred on property owned within Pulaski County. 10/07

**PETERS, Frank Lewis & Effie Mae.**

No trespassing, no hunting, no fishing. Violators will be prosecuted. Not liable for any accidents or injuries occurring on any and all properties. 11/07

No trespassing on property on Faubush Rd & Warner Rd. No hunting. Not responsible for any accidents or injuries occurred on property owned. 11/08

**ROBERTS, Larry & Rita**

No Trespassing, No Hunting, No Fishing, No 4 wheeling. Not responsible for accidents or injuries that may occur on any and all properties in Pulaski County. 01/09

**ROY, Kenneth and Karen-**

924 Clifty Hill Rd. Science Hill. No Trespassing, No Hunting, Not responsible for accidents and / or injuries that occur on property.

**ROY, Paul & Maggie-**

All properties. No trespassing, no hunting, no fishing, no four wheeling. Not responsible for any accidents or injuries occurring on any and all properties. 05/08

**RUSSELL, Kenneth/Wiliam Russell-**

1679 Old Salts Rd Somerset, KY No Hunting. No Trespassing Not liable for any accidents or injuries on this property. 9/08

**SCRIMAGER, Linville & Lois.**

No trespassing, no hunting. Not liable for any accidents or injuries occurring on any or all properties. 02/08

**SHOOPMAN, Elmer & Carolyn**

No trespassing, no hunting, no 4 wheelers. Not responsible for accidents or injuries that may occur on any and all properties. 12/08

**TAYLOR, Elbert & Alberta**

All Properties in Pulaski County. No trespassing, no hunting, No 4 Wheeling, Not Responsible or accidents or injuries. 04/08

**GREENWOOD - SITE 1355**

Bluegrass Wireless, LLC, d/b/a Bluegrass Cellular, and Hemphill Corp propose to construct a telecommunications tower at 733 Stephens Farm Road, Whitley City, KY 42653. If you have any questions, please contact Hemphill Corp., 1350 North Louisville Ave., Tulsa, OK. 74115, or the Executive Director, Public Service Commission, 211 Sower Blvd., P.O. Box 615, Frankfort, KY 40602. Please refer to docket number 2008-00018 in your correspondence.

**NOTICE**

Bluegrass Wireless, LLC, 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 #6 of the Commonwealth of Kentucky (Ruth Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 4832 Hwy 192, Somerset, KY 42501. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, 211 Sower Blvd., Frankfort, KY. 40602. Please refer to Case No. 2008-00013 in your correspondence.



### Site Candidate Information

7.5 Minute Map:	Somerset, KY Quadrangle
Site Name:	Ruth 
Latitude:	37-25-25.91 N
Longitude:	84-30-38.13 W
Ground Elevation:	1055' (AMSL)
Tower Height:	255' AGL

### Search Area Map

7.5 Minute Map:	Somerset, KY Quadrangle
Site Name:	Ruth
Latitude:	37-04-22 N
Longitude:	84-30-56 W
Ground Elevation:	900' (AMSL)
R/C Height:	240' AGL
Note:	Minimum GE is 880 ft AMSL



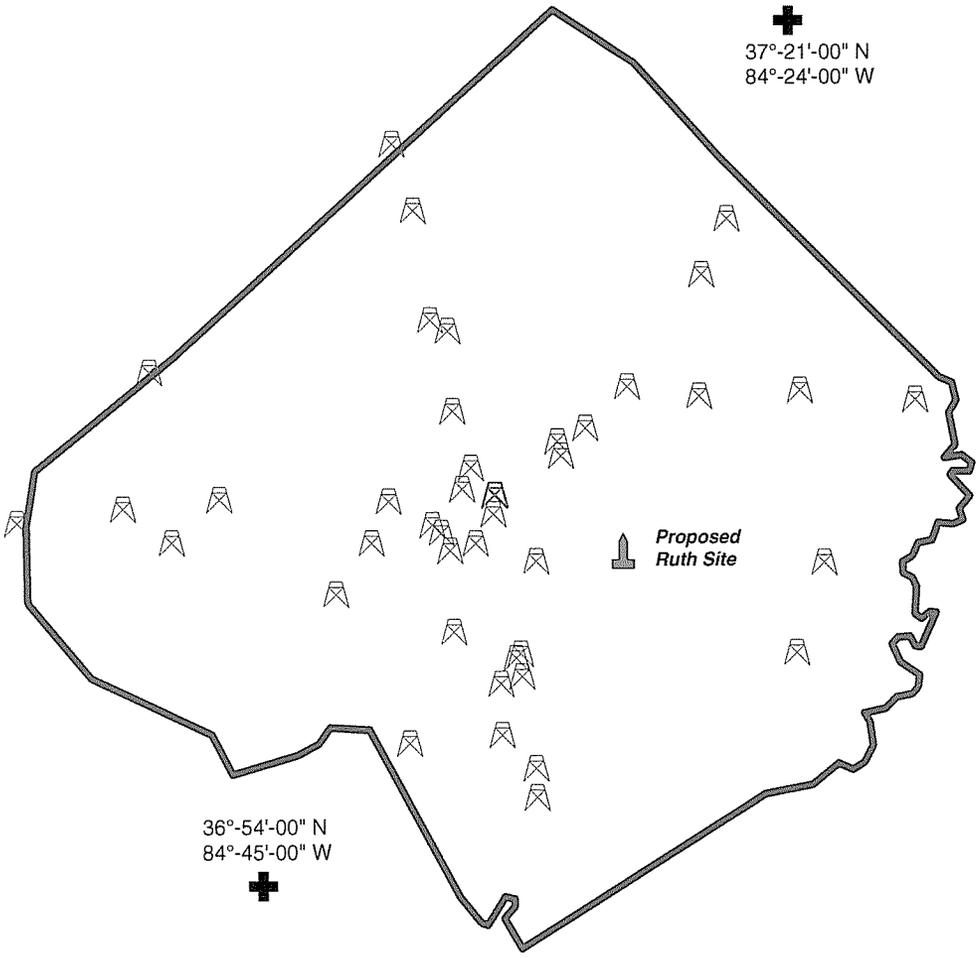
— Pulaski County Boundary

 Wireless Tower Locations Registered with the FCC

 Proposed Tower Location

 Tick Marks

*Prepared By: LNGS Engineering 2/11/2008*



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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1044043	37-10-03 N	84-49-30 N	Mintoville, KY	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKSO TV
1018905	37-14-47.9 N	84-26-28.5 N	Somerset, KY	Global Tower, LLC
1035924	37-05-00 N	84-37-52 N	Somerset, KY	NORFOLK SOUTHERN CORPORATION
1042206	37-08-17 N	84-32-08 N	Somerset, KY	Global Tower, LLC
1043118	37-04-41 N	84-40-39 N	Somerset, KY	First Radio Inc
1043456	37-04-03 N	84-22-37 N	Mt Victory, KY	Vnagard Wireless, LP
1043625	37-06-10 N	84-35-45 N	Somerset, KY	CELLULAR PHONE OF KENTUCKY DBA = RAMCELL
1043628	36-58-25 N	84-39-09 N	Burnside, KY	CELLULAR PHONE OF KENTUCKY, INC. DBA = RAMCELL
1043674	37-07-03 N	84-36-42 N	Somerset, KY	Capstar Radio Operating Company
1043675	37-09-16 N	84-27-35 N	Shopville/Stab, KY	Capstar Radio Operating Company
1043677	36-57-38 N	84-34-07 N	Tateville, KY	Capstar Radio Operating Company
1043977	37-01-05 N	84-34-54 N	Burnside, KY	Optasite Towers LLC
1043979	37-06-12 N	84-35-43 N	Somerset, KY	Telecommunications Management LLC dba NewWave Communications
1044514	37-00-30 N	84-34-40 N	Burnside, KY	EAST KENTUCKY POWER COOPERATIVE, INC
1044771	37-05-15 N	84-38-14 N	Somerset, KY	CUMBERLAND COMMUNICATIONS INC DBA = WTLO RADIO
1044797	37-01-13 N	84-23-41 N	Mt Victory, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM
1047763	37-17-09.6 N	84-39-48.6 N	Eubanks, KY	Global Tower, LLC
1047989	37-06-10 N	84-35-45 N	Somerset, KY	DEAL, DOUG
1051877	37-07-52 N	84-33-15 N	Somerset, KY	Somerset Educational Broadcasting Foundation
1203424	37-04-42.3 N	84-48-36.8 N	Nancy, KY	Global Tower, LLC
1204492	37-06-22.2 N	84-37-02.7 N	Somerset, KY	Epperson Air Conditioning & Heating
1208691	37-04-40.4 N	84-36-30.8 N	Somerset, KY	Norfolk Southern Railway Company
1219832	37-05-35.3 N	84-35-47.8 N	Somerset, KY	Commonwealth of Kentucky
1229865	37-09-08.3 N	84-18-58.5 N	Somerset, KY	Global Tower LLC
1229869	37-11-39.7 N	84-38-18.2 N	Science Hill, KY	Global Tower LLC
1230266	37-09-26.4 N	84-23-34.2 N	Somerset, KY	Global Tower LLC
1230432	37-09-33.8 N	84-30-27.8 N	Somerset, KY	Optasite Towers LLC
1230577	37-04-26.3 N	84-37-31.2 N	Somerset, KY	SBA Properties, Inc.
1231891	37-05-59.8 N	84-39-58.6 N	Somerset, KY	Optasite Towers LLC
1232264	37-05-19.7 N	84-54-47.3 N	Russell Springs, KY	Optasite Towers LLC
1232715	36-56-43.9 N	84-34-04.5 N	Burnside, KY	Optasite Towers LLC
1234158	37-00-16.3 N	84-35-30.8 N	Burnside, KY	East Kentucky Power Cooperative, Inc.
1234225	37-01-12.7 N	84-34-43.7 N	Somerset, KY	Optasite Towers LLC
1235212	37-06-12 N	84-35-46 N	Somerset, KY	Global Tower, LLC
1237226	37-11-19.3 N	84-37-36.3 N	Science Hill, KY	East Kentucky Power Cooperative, Inc.
1247464	37-06-03.7 N	84-46-43.5 N	Nancy, KY	Optasite Towers LLC
1247918	37-07-24.6 N	84-33-06.1 N	Somerset, KY	Optasite Towers LLC
1250175	37-01-54 N	84-37-23 N	Somerset, KY	Bluegrass Wireless LLC