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**PUBLIC SERVICE  
COMMISSION**

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE 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 (PRICETOWN) IN RURAL SERVICE AREA #6  
(CASEY) OF THE COMMONWEALTH OF  
KENTUCKY** **CASE NO. 2007-00501**

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

Bluegrass Wireless LLC (“Bluegrass Wireless”), through counsel, pursuant to KRS 278.020 and 278.040, and 807 KAR 5:063, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Pricetown 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.

2. Pursuant to 807 KAR 5:063 § 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 Pricetown 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 Pricetown 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 Casey 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 Casey 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 Liberty, 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.

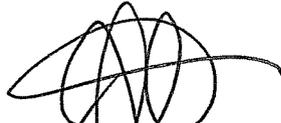
25. Correspondence and communication with regard to this application should be addressed to:

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 Pricetown 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. NACE  
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

December 12, 2007

Telephone

(703) 584-8668

## Via Federal Express

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

Dear Mr. Houlihan:

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

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

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

Sincerely,

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

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

5. Work Schedule: Start 2/10/08 End 2/15/08

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

7. Marking/Painting and/or Lighting Preferred:

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

8. FAA Aeronautical Study Number 2007-ASO-7025-OE

9. Latitude: 37 . 17 , 3 06 "

10. Longitude: 84 . 57 , 12 12 "

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

12. Nearest Kentucky City Liberty County Casey

13. Nearest Kentucky public use or Military airport:
I53- Liberty- Casey Co. Airport

14. Distance from #13 to Structure: 6.0 miles

15. Direction from #13 to Structure: ESE

16. Site Elevation (AMSL): 988 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1243 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:
260 Walnut Hill Road
Liberty, KY 42539

21. Description of Proposal:

Structure: Tower with top-mounted antennas for overall height of 255' AGL.
ERP: 250 watts.
Frequency: PCS (Block C)

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

[ ] No

been filed with the Federal Aviation Administration?

[X] Yes, When 12/11/07

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 12/12/07

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

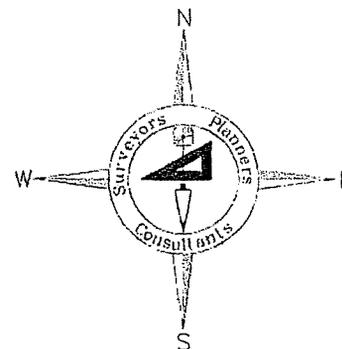
[ ] Approved

[ ] 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

November 20, 2007

Designation: Pricetown  
Site ID No.: Not Available  
Tower Type: Proposed Self-Support Tower  
Location: 260 Walnut Hill Road, Liberty, KY 42539

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

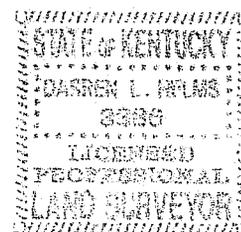
Latitude:	37 degrees 17 minutes 03.06 seconds North	(NAD 1983)
Longitude:	84 degrees 57 minutes 12.12 seconds West	(NAD 1983)
Ground Elevation:	988.1 feet or 301.17 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(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 November 6, 2007 using the National Geodetic Survey monument "ABELL RM 3" 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 2007 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-000084119-07 **Sponsor:** Bluegrass Wireless, LLC.

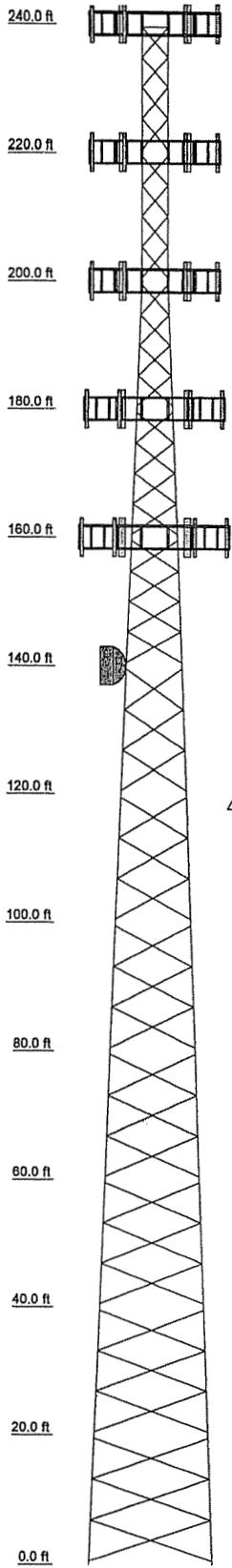
**Details for Case : Pricetown**

Show Project Summary

<b>Case Status</b>		<b>Structure Summary</b>	
<b>ASN:</b> 2007-ASO-7025-OE		<b>Date Accepted:</b> 12/11/2007	
<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> Pricetown	
<i>if Temporary :</i> Months: Days:		<b>FCC Number:</b>	
<b>Work Schedule - Start:</b> 02/10/2008		<b>Prior ASN:</b>	
<b>Work Schedule - End:</b> 02/15/2008			
<b>State Filing:</b> Filed with State			
<b>Structure Details</b>		<b>Common Frequency Bands</b>	
<b>Latitude:</b> 37° 17' 3.06" N		<b>Low Freq</b> 1850	<b>High Freq</b> 1910
<b>Longitude:</b> 84° 57' 12.12" W		1930	1990
<b>Horizontal Datum:</b> NAD83		<b>Freq Unit</b> MHz	<b>ERP</b> 1640
<b>Site Elevation (SE):</b> 988 (nearest foot)			<b>ERP Unit</b> W
<b>Structure Height (AGL):</b> 255 (nearest foot)		<b>Specific Frequencies</b>	
<b>Marking/Lighting:</b> Dual-red and medium intensity			
<i>Other :</i>			
<b>Nearest City:</b> Liberty			
<b>Nearest State:</b> Kentucky			
<b>Description of Location:</b> 260 Walnut Hill Road Liberty, KY 42539			
<b>Description of Proposal:</b> Tower with top-mounted antennas for overall height of 255' AGL.			



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 3 3/4	SR 4	SR 4 1/4	SR 4 1/4	SR 4 1/4	
Leg Grade	A572-50												
Diagonals	L1 1/2x1 1/2x3/16												
Diagonal Grade	A36												
Top Girts	N.A.												
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	1.8	2.0	2.8	2.7	3.2	3.8	4.1	4.5	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	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
T frame sector Mount (Future Carrier 1)	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	HP6-122	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**

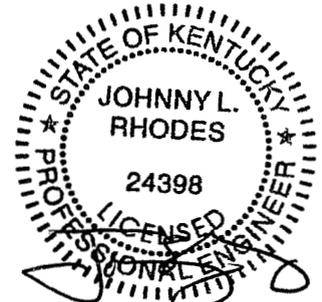
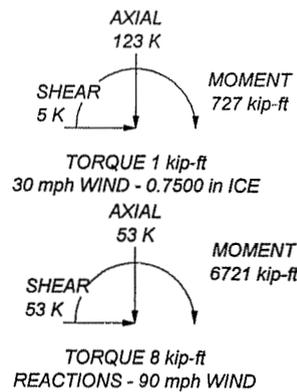
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

**TOWER DESIGN NOTES**

1. Tower is located in Casey 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. Tower designed as Structure Class II
7. In no case shall more than (6) lines be exposed to wind. Feedlines may be stacked in up to (2) rows on the inside and outside face of the tower.
8. Final Design 11/19/07. JLR

**MAX. CORNER REACTIONS AT BASE:**

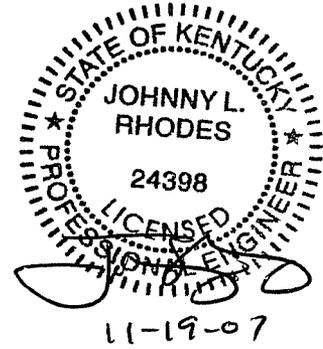
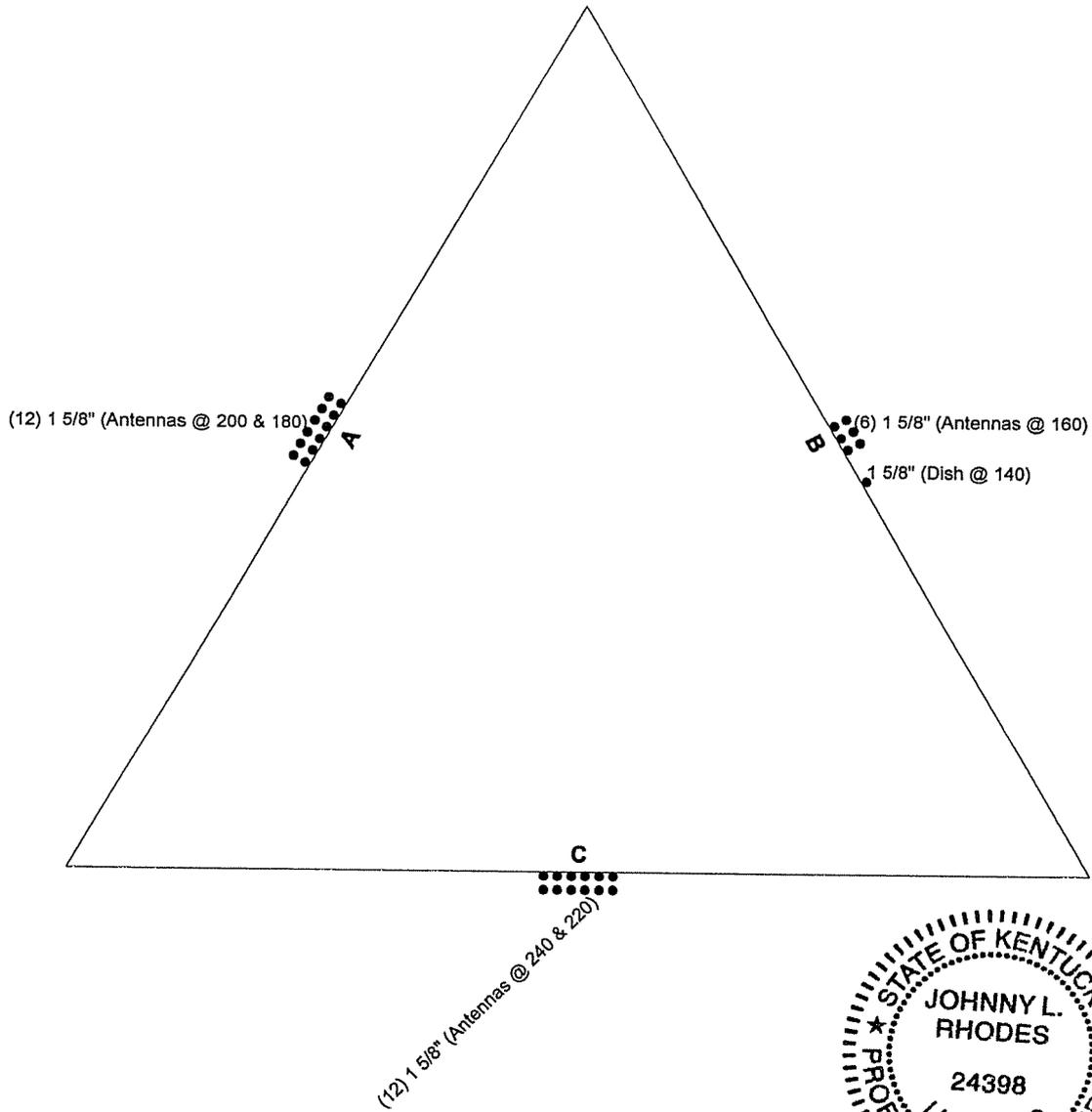
DOWN: 426 K  
 UPLIFT: -377 K  
 SHEAR: 31 K



11-19-07

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

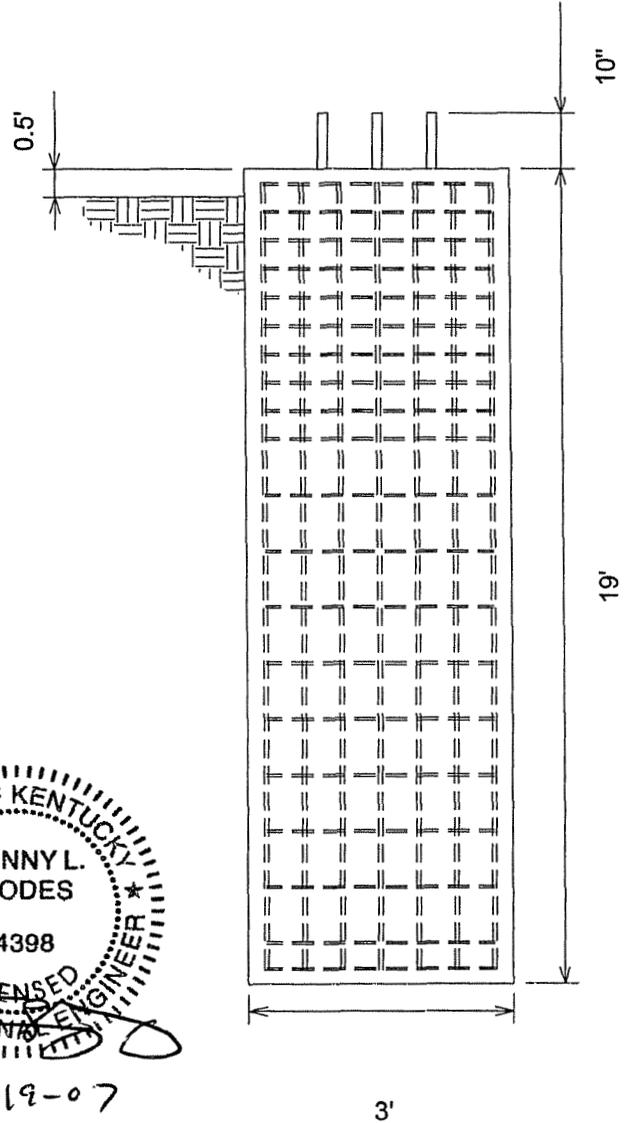
Job:	<b>EII Job #2710-Princeton</b>		
Project:	<b>240' SST/Casey County, KY</b>		
Client:	Bluegrass Cellular	Drawn by:	Johnny L. Rhodes, P.E.
Code:	TIA-222-G	Date:	11/19/07
Path:		Scale:	NTS
		Dwg No.:	E-



<b>Eastpointe Engineering Group, LLC</b> 4020 Tull Ave. Muskogee, OK 74403 Phone: 918.683.2169 FAX: 918.682.7618	<b>Job: EII Job #2710-Pricetown</b>		
	Project: <b>240' SST/Casey County, KY</b>		
	Client: Bluegrass Cellular	Drawn by: Johnny L. Rhodes, P.E.	App'd:
	Code: TIA-222-G	Date: 11/19/07	Scale: NTS
Path:	Dwg No. E-7		

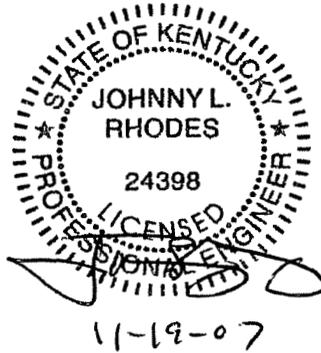
# CAISSON DESIGN

<b>Vertical Bars</b>	(14) #9 bars, 18.5' 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 #57077368 Dated 11/13/07.  
 Use (6) 1 1/4" F1554 Grade 105 Anchor Bolts w/ min 60" embedment.

<b>EASTPOINTE ENGINEERING GROUP, LLC</b> 4020 Tull Ave. Muskogee, OK 74403--Phone 918.683.2169--Fax:918.682.7618	<b>Client: Bluegrass Cellular</b>	
	<b>Site: Pricetown</b>	
	<b>Job: 2710</b>	<b>Drawn by: JLR</b>
	<b>Scale: NTS</b>	<b>Date: 11/19/07</b>

**GEOTECHNICAL ENGINEERING REPORT**  
**PRICETOWN TELECOMMUNICATION TOWER**  
**211 WEDDLE DRIVE**  
**LIBERTY, KENTUCKY**

**TERRACON PROJECT NO. 57077368**  
**November 13, 2007**

*Prepared For:*

**BLUEGRASS CELLULAR PARTNERSHIP**  
**Elizabethtown, Kentucky**

*Prepared by:*

**Terracon**  
**Louisville, Kentucky**

**Terracon**

November 13, 2007



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  
Pricetown Telecommunication Tower  
211 Weddle Drive  
Liberty, Kentucky  
Terracon Project No. 57077368**

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.

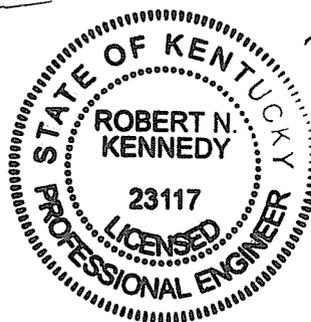
We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service to you in any way, please feel free to contact us.

Sincerely,  
**Terracon**

Timothy M. Hitchcock, EIT  
Staff Engineer

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

Copies: (4) Addressee



Timothy G. LaGrow, P.E.  
Regional Manager

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**GEOTECHNICAL ENGINEERING REPORT**  
**PRICETOWN TELECOMMUNICATION TOWER**  
**211 WEDDLE DRIVE**  
**LIBERTY, KENTUCKY**  
**TERRACON PROJECT NO. 57077368**  
**November 13, 2007**

**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 27 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/monopole. 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 land located at 211 Weddle Drive in Liberty, Kentucky. The site is located in a grass covered field with approximately 5 feet of elevational relief. Based on the provided drawings and site information, the approximate elevation at the center of tower is EL 1,000. We have assumed cuts and/or fills up to about 2½ 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 27 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 a truck-mounted rotary drill rig using hollow stem augers to advance the borehole. Representative soil samples were obtained by the split-barrel sampling procedure in general accordance with the appropriate 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 9 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 approximately 5 inches of topsoil underlain by lean and fat clay (CL, CH) to a depth of about 6 feet below existing grade. The clay exhibited a stiff consistency based on SPT N-values of 9 and 10 blows per foot (bpf). Below the clay, our boring encountered limestone and chert fragments with fat clay to an auger refusal depth of about 9 feet below existing grade.

Below a depth of about 9 feet, rock coring techniques were used to advance the borehole. The recovered rock core samples consisted of fresh to slightly weathered dolomitic limestone, where intact, very hard to hard, closely jointed, gray to brownish gray with quartz filled vugs, clay seams and voids. The bedrock at the site appears to be relatively discontinuous based on core recoveries of 55 and 56 percent. The quality of the rock is rated at very poor to fair based on RQD values of 23 and 52 percent. Considering the

height of the tower and the quality of the bedrock, coring operations were terminated at a depth of 27 feet below grade.

#### **4.2 Site Geology**

A review of the Geologic Map of Liberty Quadrangle published by the United States Geological Survey (USGS) indicates that the site is underlain by the Salem and Warsaw Formations of the Mississippian age. The formations are comprised of limestone, siltstone, shale and sandstone.

It should be noted that the site is underlain by a limestone formation that is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels within the rock strata and a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of the proposed structures. Our review of the available topographic and geologic mapping did not note any sinkholes within a 1 mile radius of the property. However, the results of the rock coring indicate the presence of significant void space and irregular weathering within the bedrock that could result in future erosion and difficult drilled pier installation.

#### **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.

Drilled pier installation is expected to be challenging due to the significant weathering that occurs in the bedrock formation at this site. This weathering is expected to include discontinuous rock as well as a highly irregular bedrock surface that could vary several feet across the diameter of the drilled pier. If drilled piers are designed for this site, we strongly recommend that the geotechnical engineer be retained to observe their installation and provide recommendations if conditions vary from those encountered in our boring. Shallow mat and footing foundations provide a suitable alternative to drilled piers, however bearing conditions should be evaluated by the geotechnical engineer for the presence of soil erosion or other signs of karst activity.

### 5.1 Tower Foundation

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

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

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, &sub50 (in/in)
0 - 3	Topsoil and Lean Clay	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 - 6	Lean to Fat Clay	400	Ignore	1,250	0	1,250	100	0.008
6 - 9	Limestone and Chert Fragments	475	Ignore	2,000	0	2,000	160	0.006
9-27	Limestone	2,500***	20,000	5,000***	0	50,000***	3,000	0.00001

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

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

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

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have factors of safety of 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on the boring, published correlation values and Terracon's past experience with similar soil/rock types. These values should, therefore, be considered approximate. 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 lean 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 9 feet, but could vary between tower legs, across individual piers, 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 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.

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

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

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

**Mat Foundation Alternative:** The mat foundation can be designed using the following natural soil/engineered fill parameters. These parameters are based on the findings of the boring, a review of published correlation values and 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.

**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 Lean Clays	Ignore	Ignore	-	
$\geq 3$	Lean to Fat Clay or Crushed Stone Fill	2,500	Ignore	0.35	125

It is important to note that potentially expansive high plasticity clay was encountered beneath the surficial topsoil to depths of about 3½ feet 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 associated with karst activity 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 2,000 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2 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 lean clay soil is considered suitable for re-use as fill. The on site fat clay soil is not considered suitable for re-use as fill due to their high plasticity and potential for shrink-swell. 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**

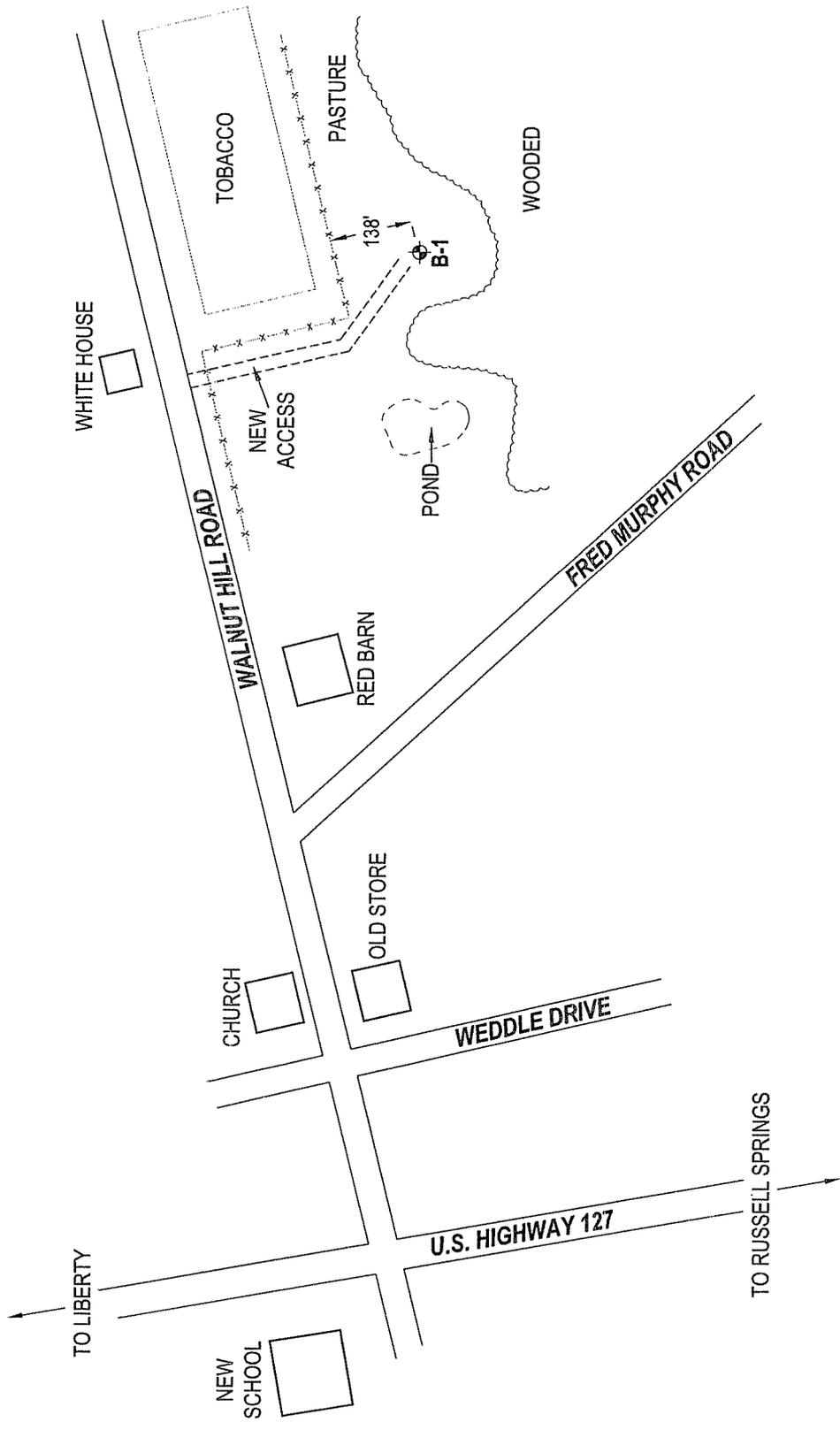
Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide testing and observation during excavation,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



NOT TO SCALE

**LEGEND**

⊕ APPROXIMATE BORING LOCATION

FIG. No. 1

BORING LOCATION DIAGRAM  
 GEOTECHNICAL ENGINEERING REPORT  
 PRICETOWN  
 WALNUT HILL ROAD  
 LIBERTY, KY

**Terecon**  
 Consulting Engineers and Scientists  
 4545 Bishop Lane, Suite 101 Louisville, KY 40218  
 (502) 456-1256

Project No.	57077368
Scale:	AS SHOWN
File No.	GE05707368-1
Date:	OCTOBER 2007
Project Mgr:	TMH
Drawn By:	DWD
Checked By:	TMH/MRE
Approved By:	EH

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

# LOG OF BORING NO. B-1

CLIENT <b>Bluegrass Cellular Partnership</b>	ARCHITECT / ENGINEER
SITE <b>211 Weddle Drive Liberty, Kentucky</b>	PROJECT <b>Pricetown Telecommunication Tower</b>

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 1000 ft									
0.4	<u>TOPSOIL</u> <u>LEAN CLAY</u> , light brown, stiff	999.5	CL	1	SS	18	9	19		9000*
3.5	<u>FAT CLAY</u> with chert fragments, light yellowish brown, stiff	996.5	CH	2	SS	16	10	30		5500*
6	<u>LIMESTONE &amp; CHERT FRAGMENTS</u> with light yellowish brown fat clay	994	CH	3	SS	10	25	53		
9	Auger Refusal at 9 feet, Began Coring <u>LIMESTONE</u> , dolomitic, fresh to slightly weathered where intact, closely jointed, gray to brownish gray, very hard to hard, with quartz filled vugs, clay seams and voids	991		4	DB	55%	RQD 23%			
27	Boring Terminated at 27 feet	973		5	DB	56%	RQD 52%			

LL = 65  
PL = 30  
PI = 35

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

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

WATER LEVEL OBSERVATIONS, ft WL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WL <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		BORING STARTED 10-1-07 BORING COMPLETED 10-1-07 RIG CME-55 FOREMAN MW APPROVED TMH JOB # 57077368
Dry Upon Auger Completion		

BOREHOLE 99 57077368 LOGS.GPJ TERRACON.GDT 11/13/07



Project: Pricetown  
Project No.: 57077368  
Performed By: YN  
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	Dial	Range	
				Reading	Switch	
A- A'	5	2.5	7.5	2.6	10.0	24895
	10	5	15	1.7	10.0	32555
	15	7.5	22.5	1.3	10.0	37343
	20	10	30	1.0	10.0	38300
	30	15	45	8.0	1.0	45960
	40	20	60	5.5	1.0	42130
	60	30	90	3.0	1.0	34470
B-B'	5	2.5	7.5	2.0	10.0	19150
	10	5	15	1.5	10.0	28725
	15	7.5	22.5	1.2	10.0	34470
	20	10	30	1.0	10.0	38300
	30	15	45	8.5	1.0	48833
	40	20	60	6.5	1.0	49790
	60	30	90	4.5	1.0	51705

Resistivity (ohm-cm) =  $2 \cdot \pi \cdot a \cdot R \cdot 30.48$   
R = resistivity (dial reading \* range switch)  
a = electrode spacing

Equipment Usage: Nilsson Soil Resistance Meter - Model 400

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

## GENERAL NOTES

### DRILLING & SAMPLING SYMBOLS:

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

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

### WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

#### CONSISTENCY OF FINE-GRAINED SOILS

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

#### RELATIVE DENSITY OF COARSE-GRAINED SOILS

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

#### RELATIVE PROPORTIONS OF SAND AND GRAVEL

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

#### GRAIN SIZE TERMINOLOGY

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

#### RELATIVE PROPORTIONS OF FINES

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

#### PLASTICITY DESCRIPTION

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

## GENERAL NOTES

### Description of Rock Properties

#### WEATHERING

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

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

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

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

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

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

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

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

# UNIFIED SOIL CLASSIFICATION SYSTEM

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

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

<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.

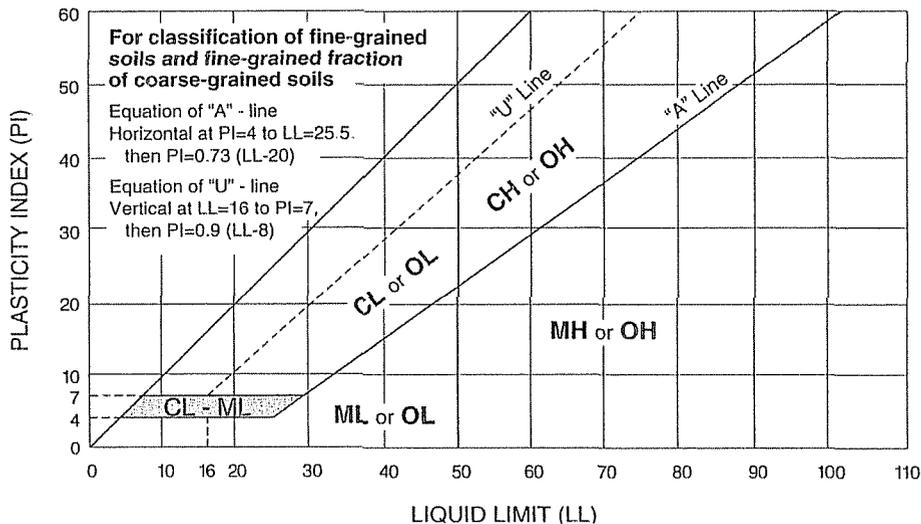
<sup>M</sup>If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

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

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

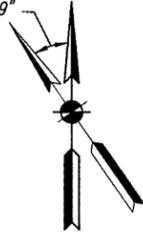
<sup>P</sup> $PI$  plots on or above "A" line.

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



**Terracon**

True North  
00°28'59"



# Site: Pricetown Lease Boundary and Topographic Survey Casey County, Kentucky

## Lease Boundary and Easement Description

A tract of land that is located about 300 feet south of Walnut Hill Road and about 750 feet easterly of the intersection of said road with Fred Murphy Road in the Pricetown Community of Casey County, Kentucky; said tract being described as follows:

COMMENCING AT a 5/8-inch rebar found exposed 5 inches at the apparent east corner of the Mariea Jo Wilson and Terry Wilson 2-acre tract as described in Deed Book 90, page 619 and Deed Book 137, page 575 in the office of the County Clerk of Casey County, Kentucky; also being an apparent corner in the western boundary of the R.C. Weddle, Jr., et ux tract as described in Deed Book 60, page 80, Deed Book 63, page 191 and Deed Book 68, page 20 in said County Clerk's office; said rebar being set by Richard Allan Montgomery, P.L.S. 1953, in September of 1997, and it lies 3.2 feet south of the center of an 18-inch beech with wire fence; thence North 07 degrees 21 minutes 05 seconds West 258.98 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence South 70 degrees 00 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 20 degrees 00 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 70 degrees 00 minutes 00 seconds East 100.00 feet to a rebar set flush; thence South 20 degrees 00 minutes 00 seconds East 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to Walnut Hill Road; said easement being described as follows: BEGINNING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the northeast corner of the above-described 0.230-acre lease tract; thence South 70 degrees 00 minutes 00 seconds West 100.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the northwest corner of the above-described 0.230-acre lease tract; thence North 20 degrees 00 minutes 00 seconds West 100.00 feet; thence North 70 degrees 00 minutes 00 seconds East 39.18 feet; thence North 42 degrees 26 minutes 59 seconds West 100.03 feet; thence Northwesterly 41.17 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of North 31 degrees 43 minutes 41 seconds East and a length of 40.93 feet; thence North 21 degrees 00 minutes 23 seconds West 99.58 feet to the southern boundary of Walnut Hill Road (15 feet from the centerline); thence, along said southern boundary, North 83 degrees 34 minutes 42 seconds East 20.67 feet; thence South 21 degrees 00 minutes 23 seconds East 94.38 feet; thence Southeasterly 33.68 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of South 31 degrees 43 minutes 41 seconds East and a length of 33.49 feet; thence South 42 degrees 26 minutes 59 seconds East 108.29 feet; thence North 70 degrees 00 minutes 00 seconds East 39.18 feet; thence South 20 degrees 00 minutes 00 seconds East 20.00 feet to the point of beginning.

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on November 6, 2007 using the National Geodetic Survey monument "ABELL RM 3". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on November 20, 2007. This survey is hereby referenced and made a part of these descriptions.

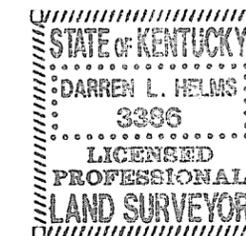
SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to R.C. Weddle, Jr., et ux. in Deed Book 60, page 80, Deed Book 63, page 191 and Deed Book 68, page 20 in the office of the County Clerk of Casey County, Kentucky.

## 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 November 6, 2007 by the method of random traverse with sidestots. The unadjusted precision ratio of the traverse was 1:71,000 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

Nov. 20, 2007  
Date



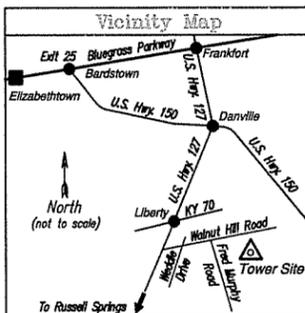
**Basis of Bearings**  
The bearing system of this survey is based upon G.P.S. observations made on November 6, 2007 using the National Geodetic Survey monument "ABELL RM 3" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

**Tower Location Information**  
Designation: Pricetown  
Site ID#: None  
Horizontal Datum: NAD 1983 (2007)  
Latitude: 37°17'03.06" North  
Longitude: 84°57'12.12" West  
Vertical Datum: NAVD 1988  
Ground Elevation: 988.1 feet (301.17 meters)  
State Plane Coordinates:  
Northing: 1,987,585.66 feet (605,817.321 meters)  
Easting: 1,872,175.11 feet (570,640.115 meters)

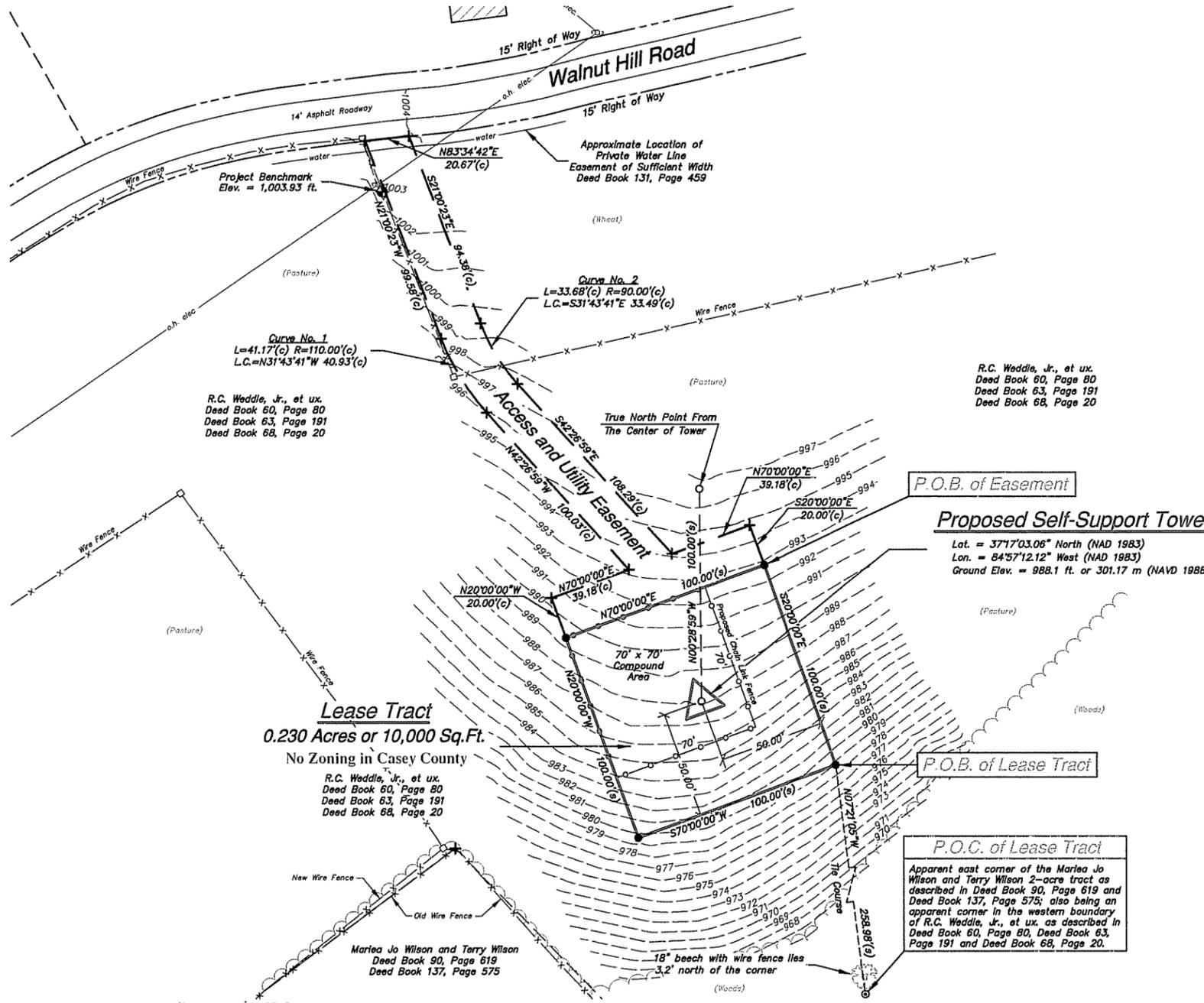
**Owner Information**  
Owner: R.C. Weddle Jr. and Alma Vida Weddle  
Address: 211 Weddle Drive  
Liberty, Kentucky 42539  
Contact Person: Mr. Chris Weddle (son)  
Phone: (606) 787-8937  
PVA Map No. 53-27

**Project Bench Mark**  
Northing: 1,987,828 feet (605,891 meters)  
Easting: 1,872,022 feet (570,593 meters)  
Elevation: 1,003.93 feet (305.998 meters)  
Description: A railroad spike set in the south side of a utility pole, 12" above grade. The pole is approximately 285 feet northwest of the center of the proposed tower.

**Flood Plain Statement**  
According to the Flood Hazard Boundary Map for Casey County, Kentucky, Unincorporated Areas, Community Panel No. 210053 0004 A, dated June 3, 1977, the subject site does not lie within a special flood hazard area.



**Directions to Site**  
From Elizabethtown, Kentucky: travel east on the Bluegrass Parkway to Exit 25 and U.S. Hwy. 150 at Bardstown; travel east on U.S. Hwy. 150 to U.S. Hwy. 127 at Danville; travel south on U.S. Hwy. 127 to the intersection of U.S. Hwy. 127 and Kentucky Highway 70 at Liberty; continue south on U.S. Hwy. 127 for 2.7 miles to Walnut Hill Road; turn left onto Walnut Hill Road and travel east for 0.3 miles to the tower access lane on the right; turn right onto the access lane and travel southeasterly about 300 feet to the tower site in a pasture.

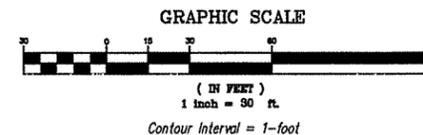


## Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
- The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Mr. Ronald Wright, County Judge Executive of Casey 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 606-787-8311 for confirmation.

## Legend

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- 5/8" Rebar Found Exposed 5" Set By Richard Allan Montgomery, P.L.S. 1953, in September of 1997
- Calculated Position - No Monument Found or Set
- Subject Boundaries
- Easement Boundaries
- Right of Way
- Utility Pole
- Guy Anchor
- Telephone Pedestal
- Electric Meter
- Measured
- Recorded
- Calculated
- Set



# Reduced Copy

Landmark Surveying Co., Inc.  
15 N.E. 3rd Street  
Washington, Indiana 47501  
(812) 257-0950  
Email: landmark@landmarkinc.com  
Project No. 07-10-078

Lease Boundary Survey  
260 Walnut Hill Road  
Liberty, Kentucky 42539

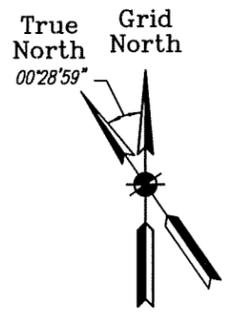
Bluegrass Cellular  
2902 Ring Road  
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 11-20-07  
DRAWN BY: A. Winkler  
CHECKED BY: D.L. Helms

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





# Site: Pricetown

## Lease Boundary and Topographic Survey

### Casey County, Kentucky

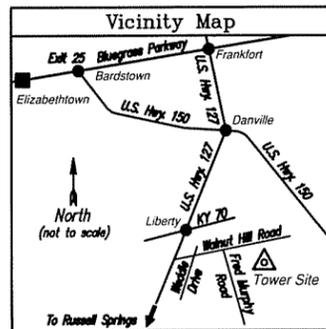
**Basis of Bearings**  
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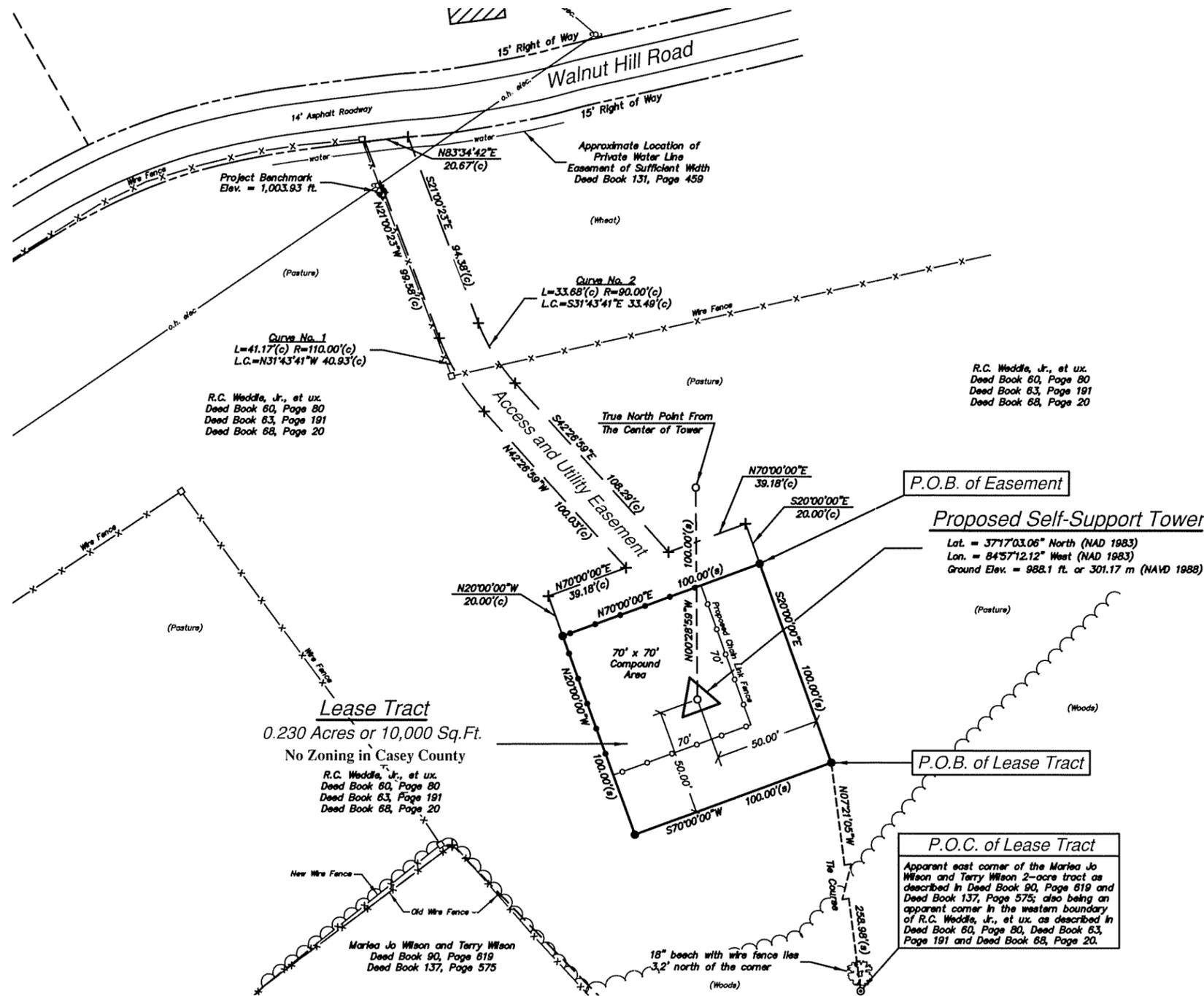
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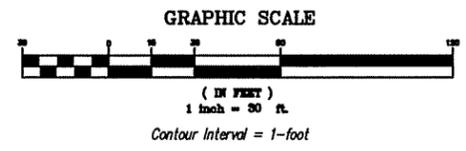
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  - (m) Measured
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  - (c) Calculated
  - (s) Set



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

Date \_\_\_\_\_

Landmark Surveying Co., Inc.  
 15 N.E. 3rd Street  
 Washington, Indiana 47501  
 (812) 257-0950  
 Email: landmerv@landmerv.com  
 Project No. 07-10-076

Lease Boundary Survey

260 Walnut Hill Road

Liberty, Kentucky 42539

Bluegrass Cellular

2902 Ring Road

Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE 11-20-07

DRAWN BY A. Winkler

CHECKED BY D.L. Helms

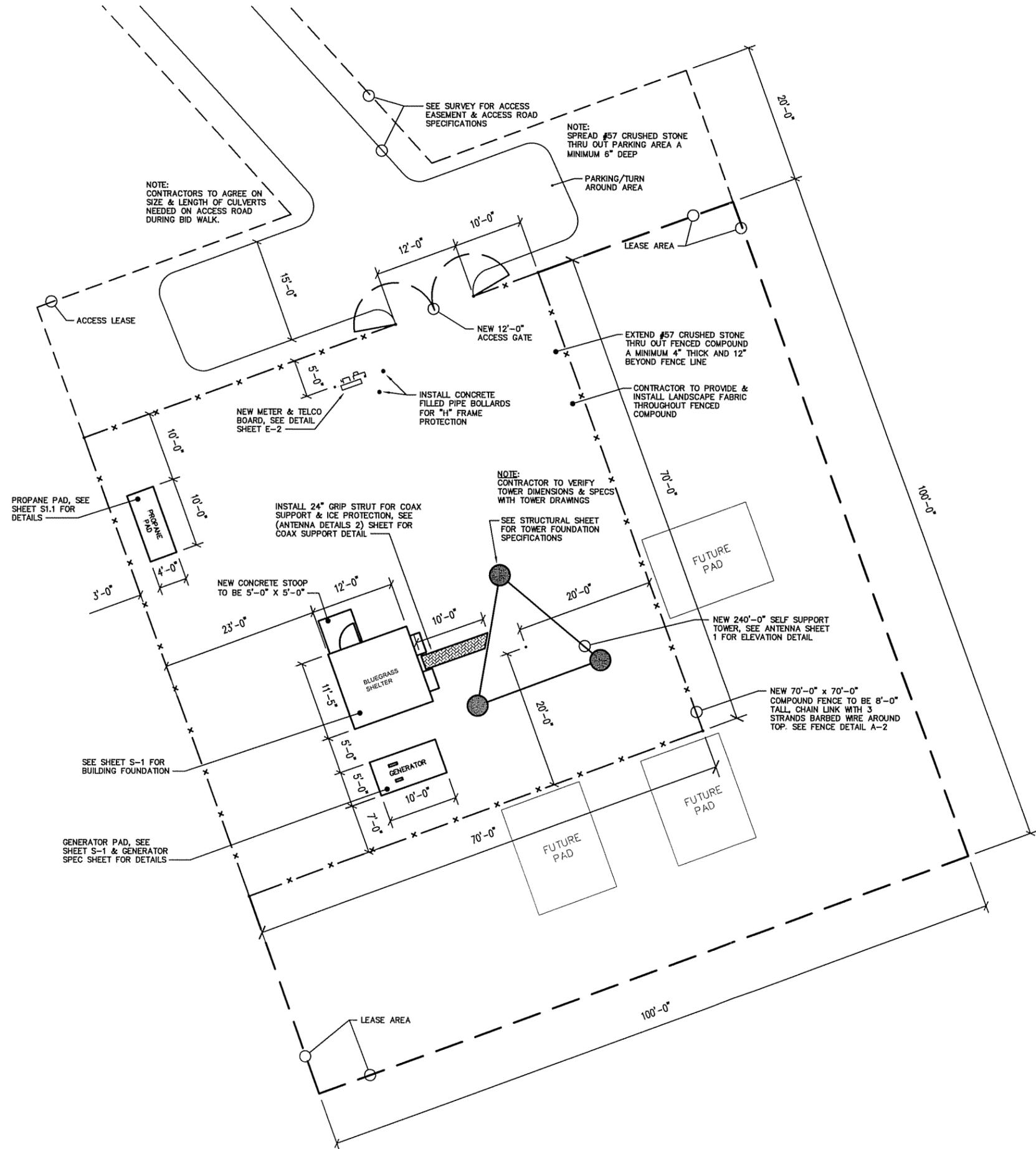
SHEET NO.

1

OF 1 SHEETS

FILE NO.

pricetown.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: 1/16" = 1'-0"

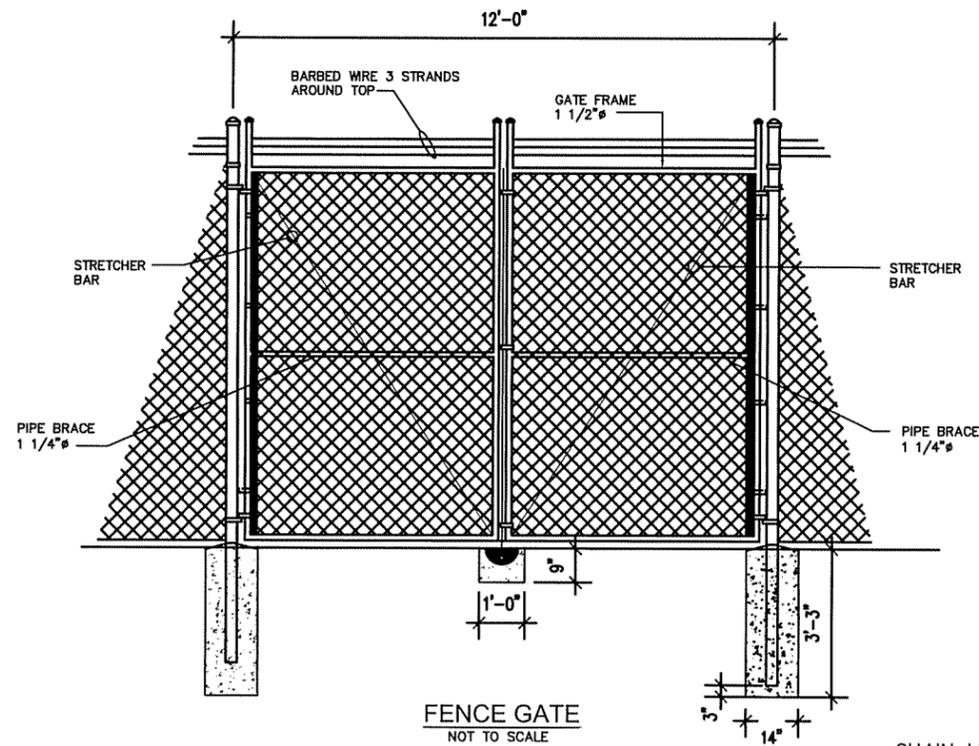


NO.	DATE	REVISION

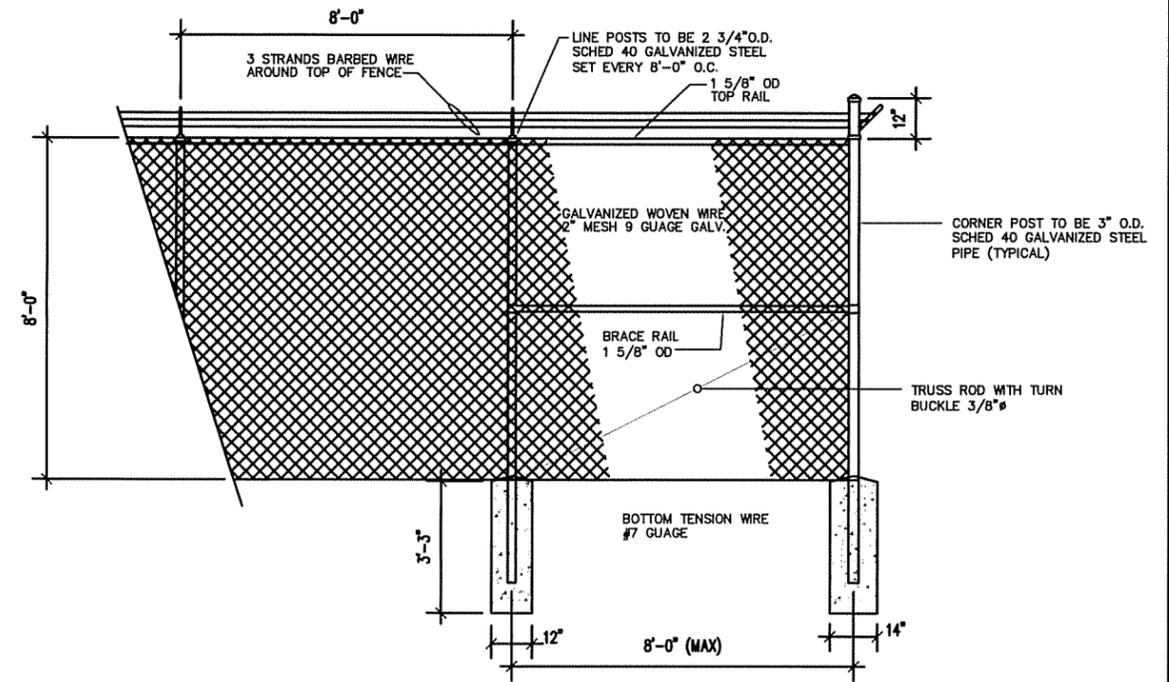
**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**PRICETOWN**  
 260 WALNUT HILL RD. LIBERTY, KY. 42539

DRAWN BY: R. BECKER  
 ISSUE DATE: 1-4-08  
 SCALE: LISTED

SHEET NUMBER  
 A-1



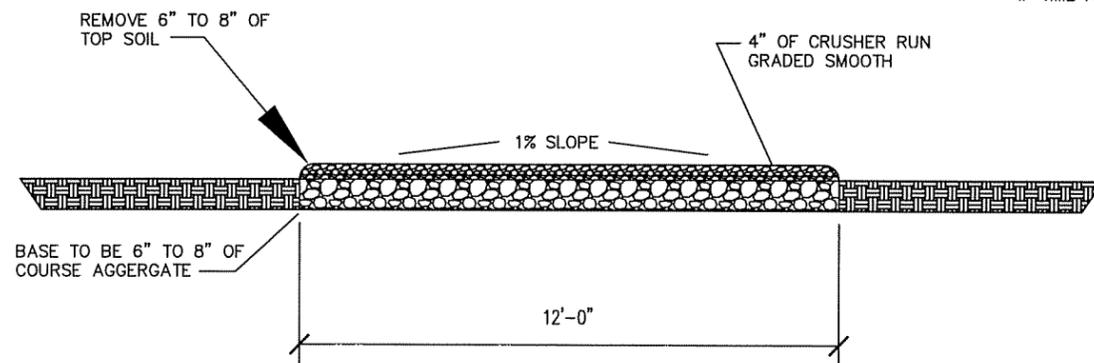
FENCE GATE  
NOT TO SCALE



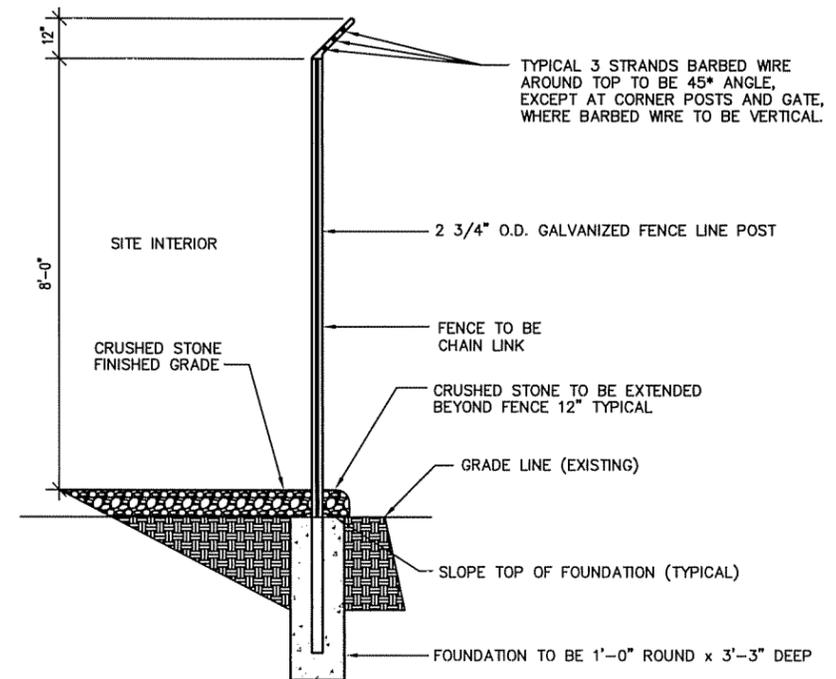
FENCE DETAIL END POLES  
NOT TO SCALE

**CHAIN LINK FENCING NOTES:**

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



ROAD DETAIL  
NOT TO SCALE



FENCE DETAIL LINE POLES  
NOT TO SCALE



BLUEGRASS CELLULAR, INC.  
8403 MERCURY DRIVE LOUISVILLE, KY. 40291  
(502) 388-8427 Fax (502) 381-3656

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STANDARD CELLULAR SITE  
**PRICETOWN**  
260 WALNUT HILL RD. LIBERTY, KY. 42539

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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 REFUSE IS TO BE PROPERLY DISPOSED OF.

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

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

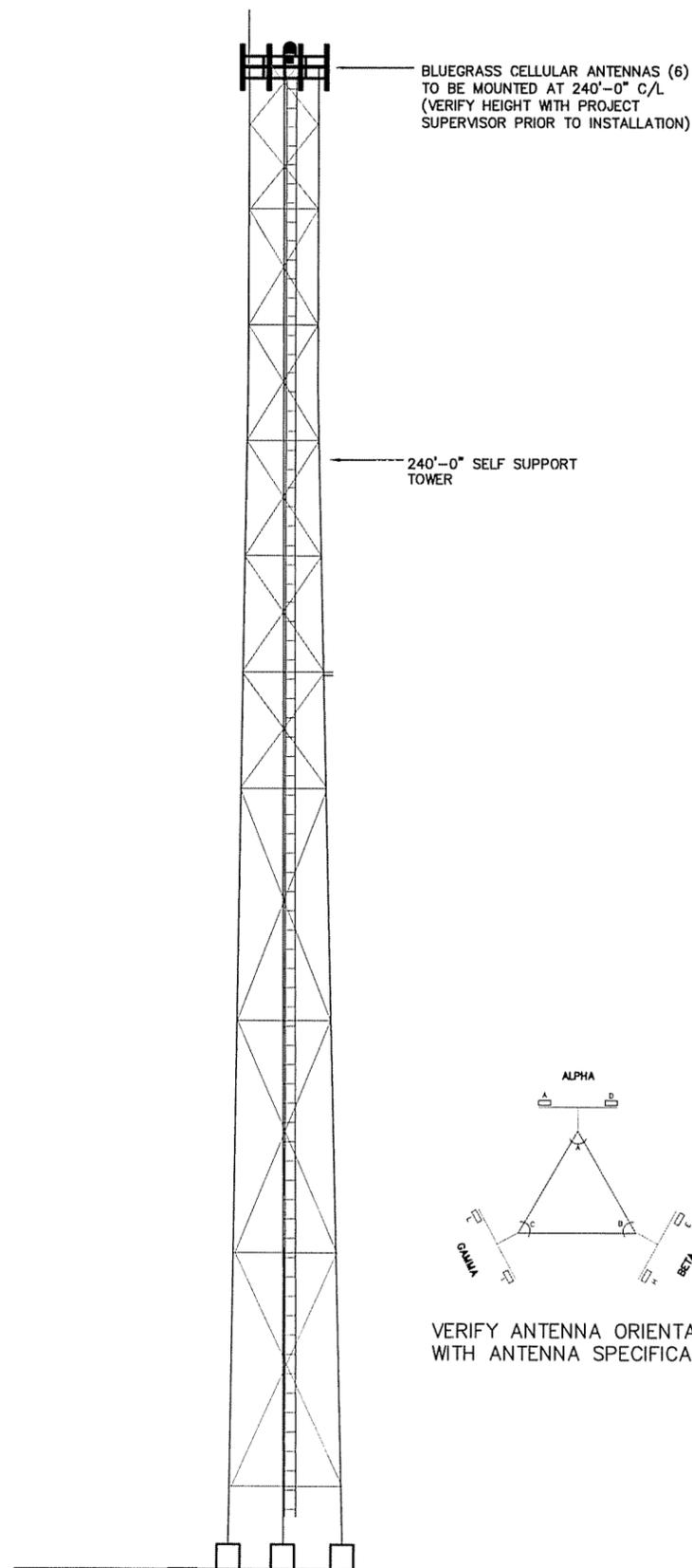
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

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

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET

## BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



SELF SUPPORT TOWER ELEVATION (TYPICAL)

### TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

### ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	59200	L=78.6 W=10.3 D=4.6	6	60*, 190*, 300*	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

### ANTENNA MOUNTING HARDWARE SPECS

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

### ANTENNA TRANSMISSION LINES SPECS

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

### DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	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

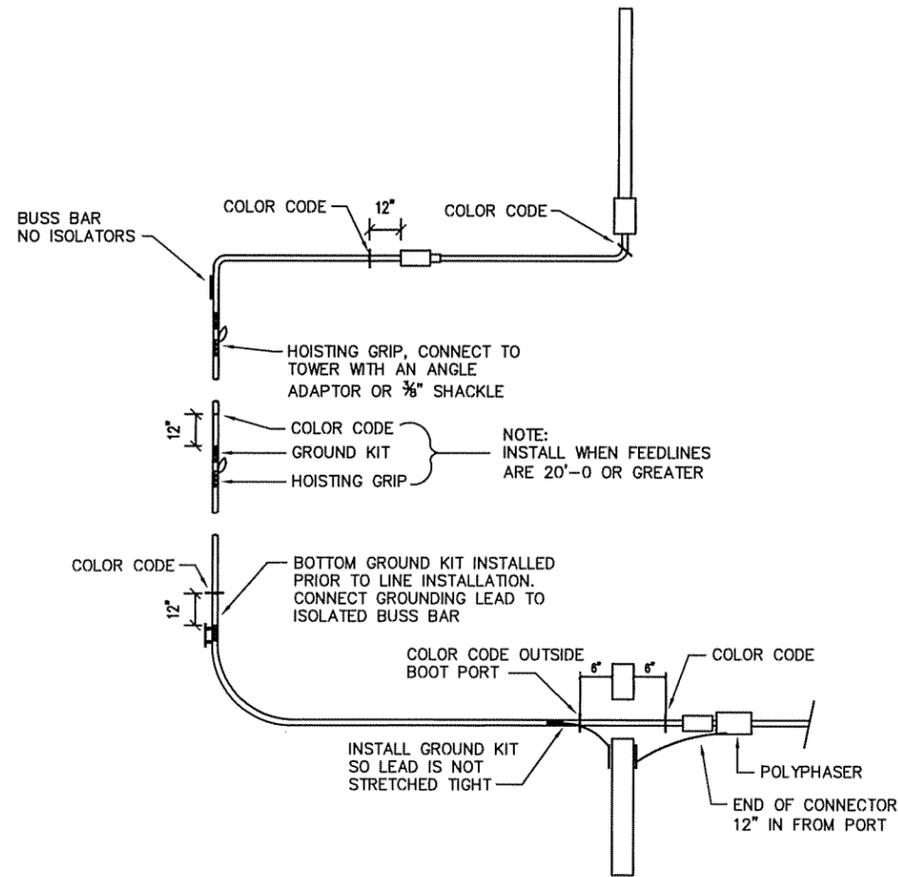
- \* ANTENNAS TO HAVE A 2\*E
- \* ANTENNA FREQUENCY 1975.00 - 1982.50



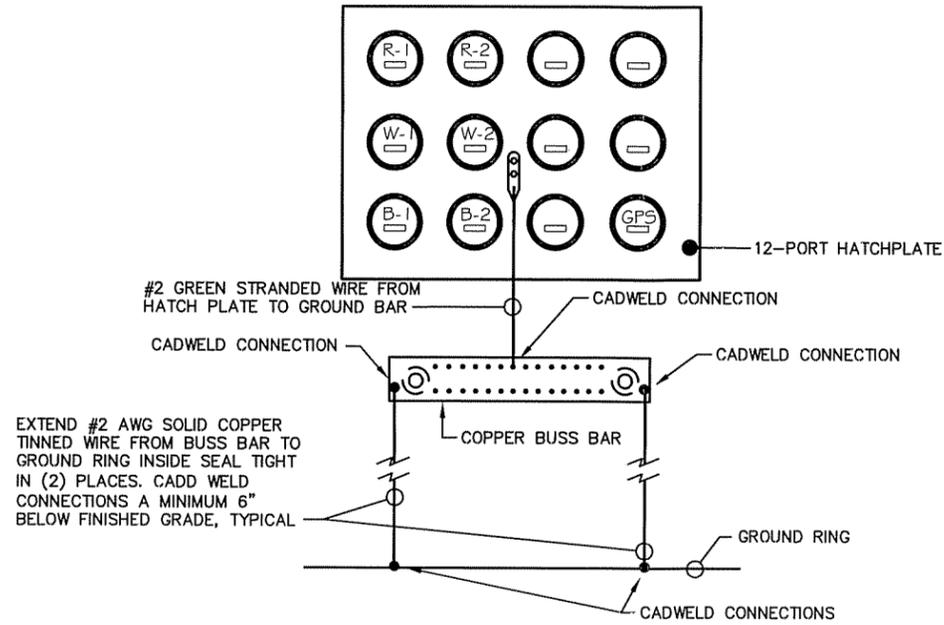
REVISION	NO.	DATE

BLUEGRASS CELLULAR, INC.  
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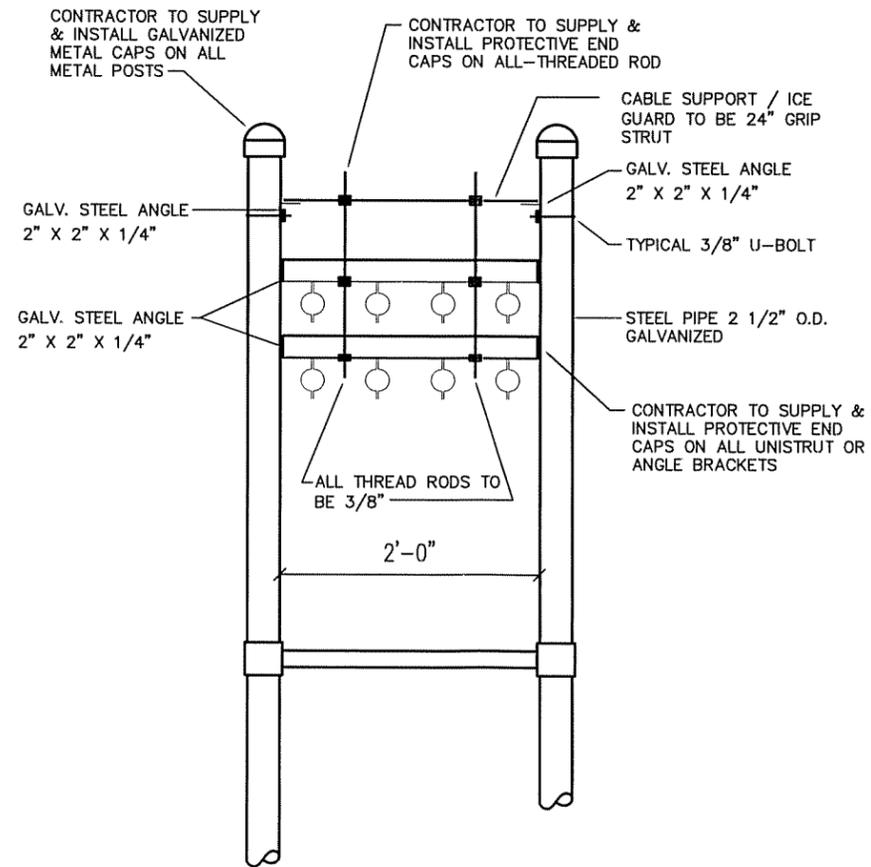
DRAWN BY: R. BECKER  
ISSUE DATE: 1-4-08  
SCALE: LISTED  
SHEET NUMBER  
**ANTENNA DETAILS**  
1



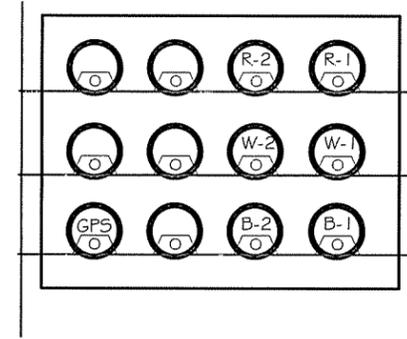
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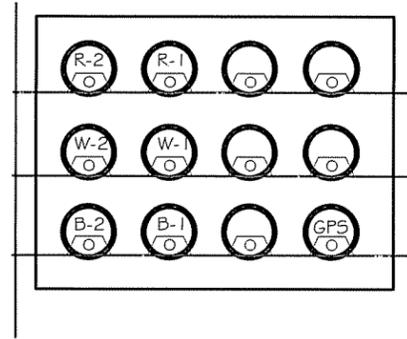
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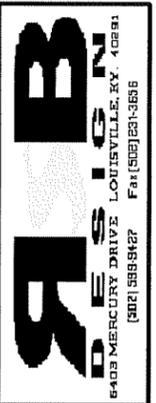
**ICE BRIDGE / COAX SUPPORT DETAIL**  
NO SCALE



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



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

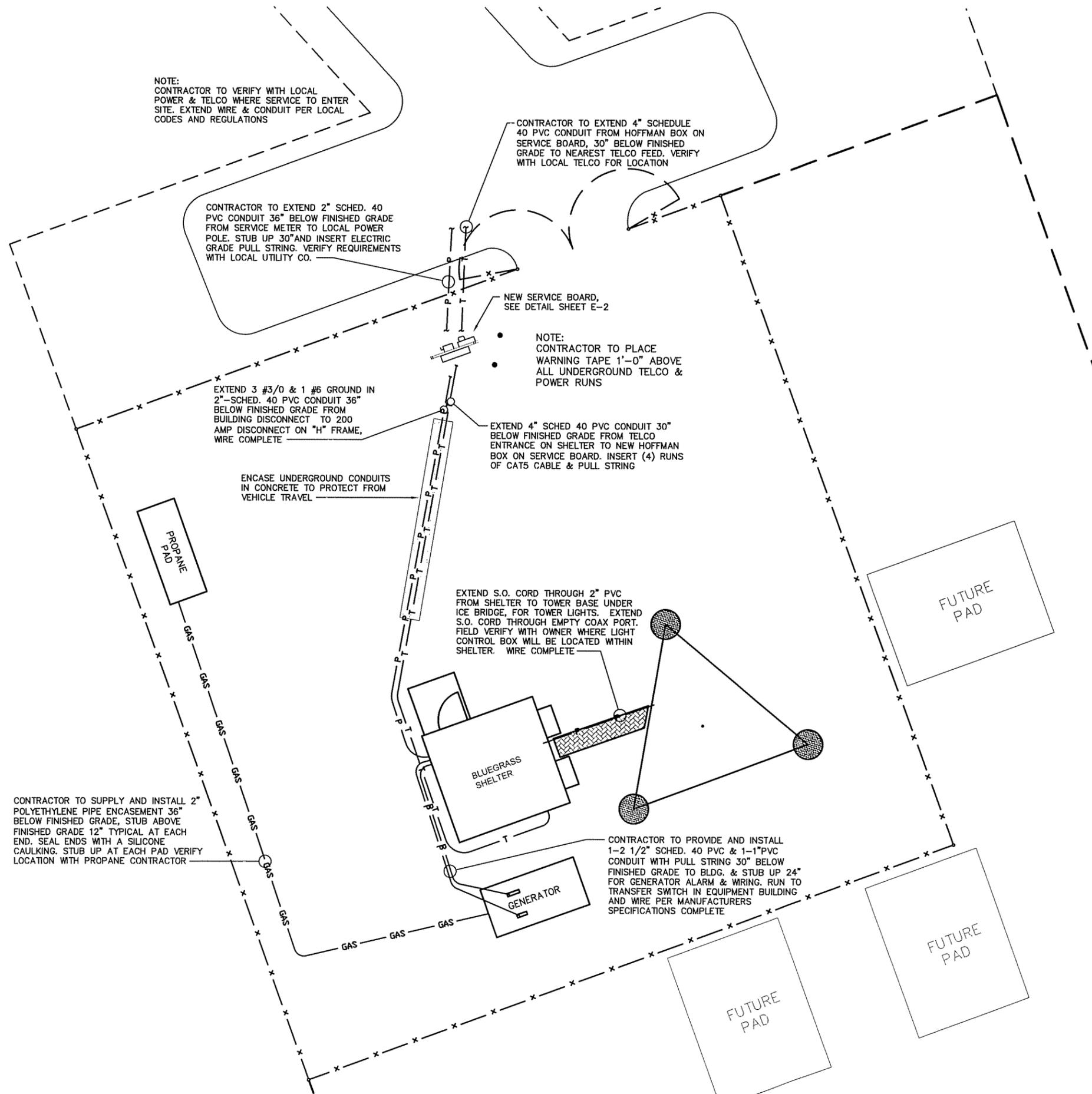


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ISSUE DATE: 1-4-08  
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SHEET NUMBER  
**ANTENNA DETAILS**  
2



**GENERAL ELECTRICAL NOTES:**

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

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

**SYMBOLS LEGEND**

	POWER
	GAS
	TELEPHONE
	FENCE
	SWITCH (DISCONNECT)
	METER PACK

**SITE PLAN- ELECTRICAL**

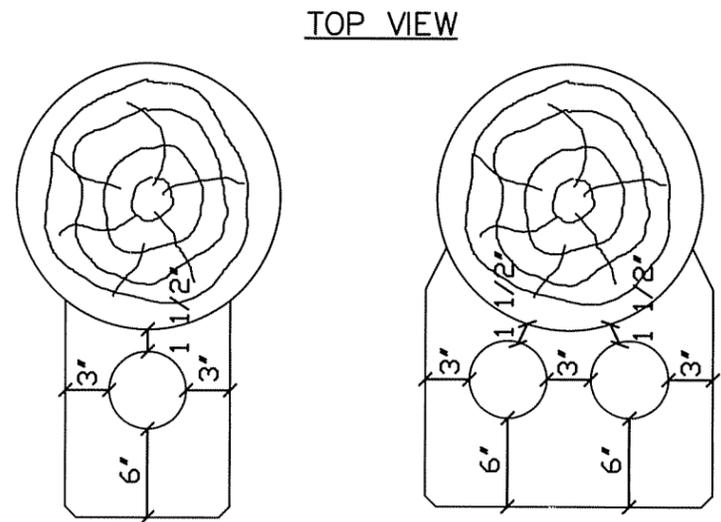
SCALE: 3/32" = 1'-0"



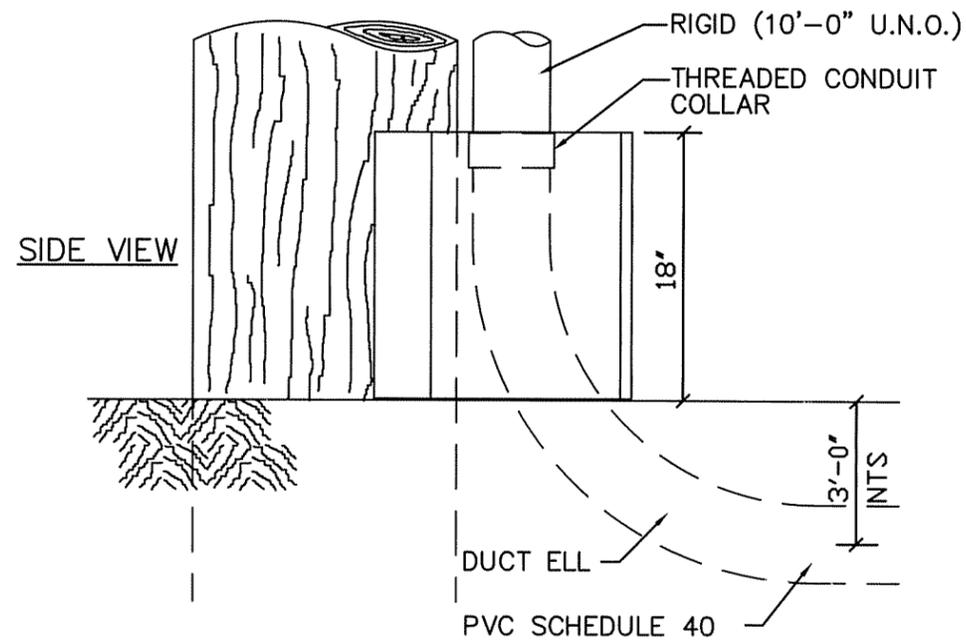
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**STANDARD CELLULAR SITE**  
**PRICETOWN**  
 260 WALNUT HILL RD. LIBERTY, KY. 42539

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SHEET NUMBER E-1		



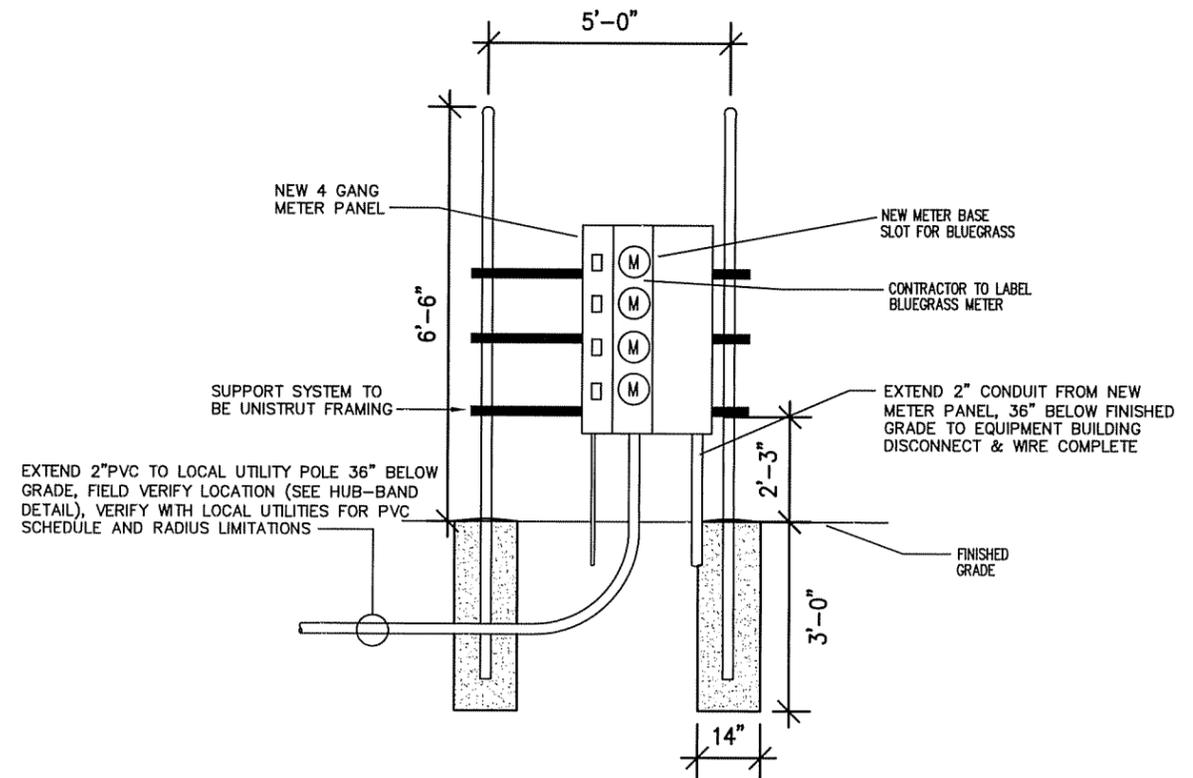
**TOP VIEW**



**SIDE VIEW**

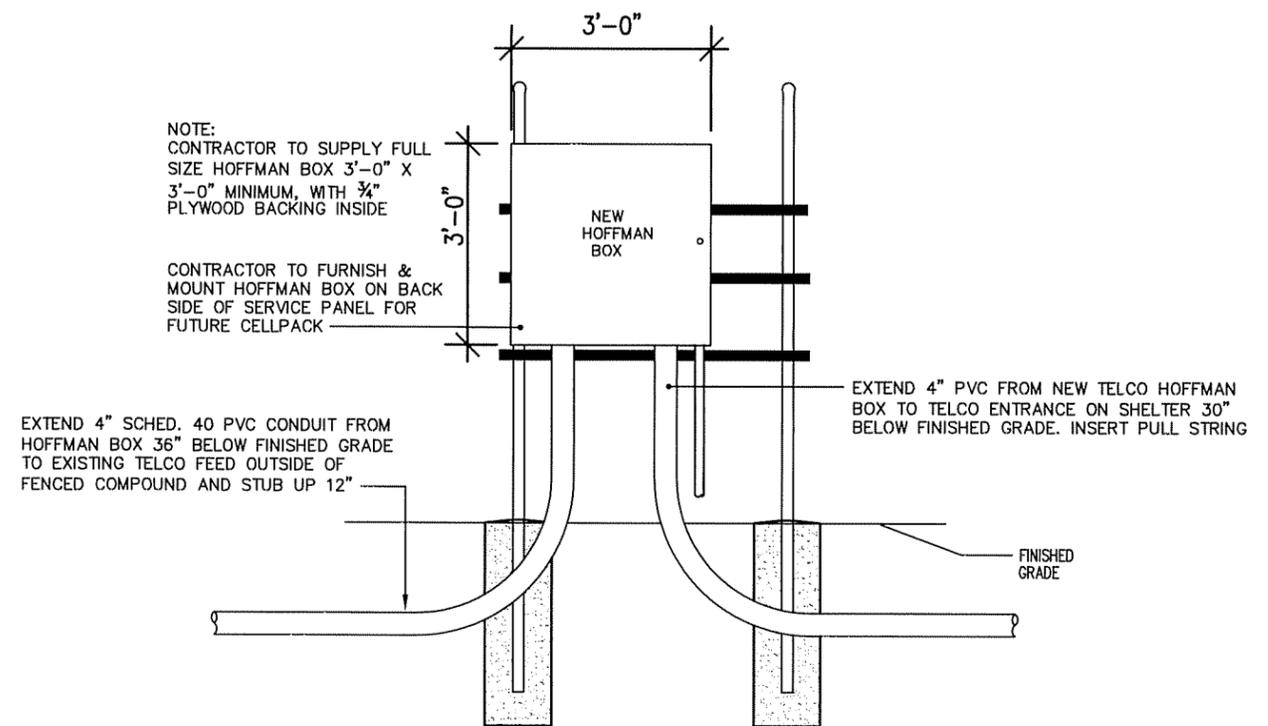
**HUB-BAND DETAIL**

NO SCALE



**SERVICE BOARD DETAIL**

NO SCALE



**BACKBOARD DETAIL**

NO SCALE

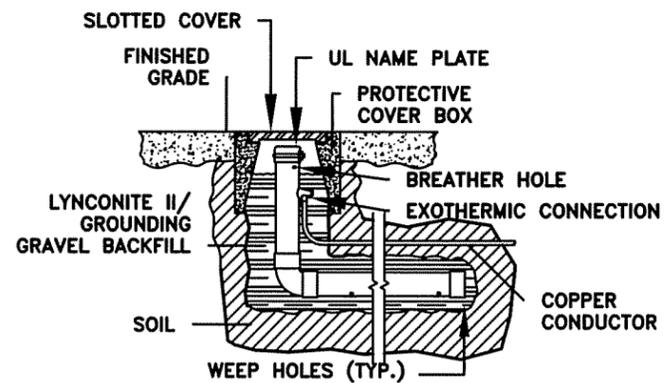


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**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**PRICETOWN**  
 260 WALNUT HILL RD. LIBERTY, KY. 42539

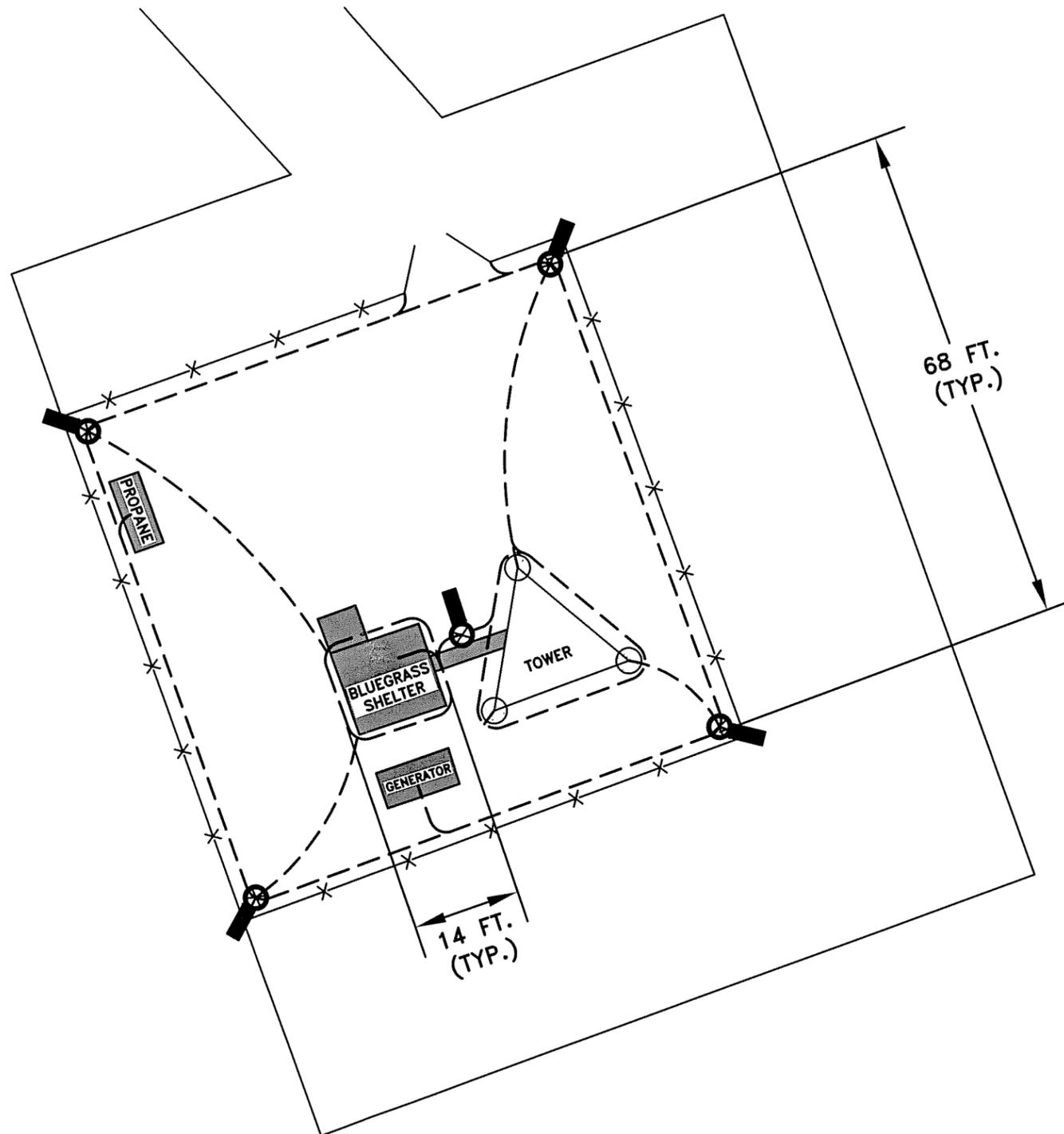
DRAWN BY: R. BECKER  
 ISSUE DATE: 1-4-08  
 SCALE: LISTED

SHEET NUMBER  
**F-2**



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

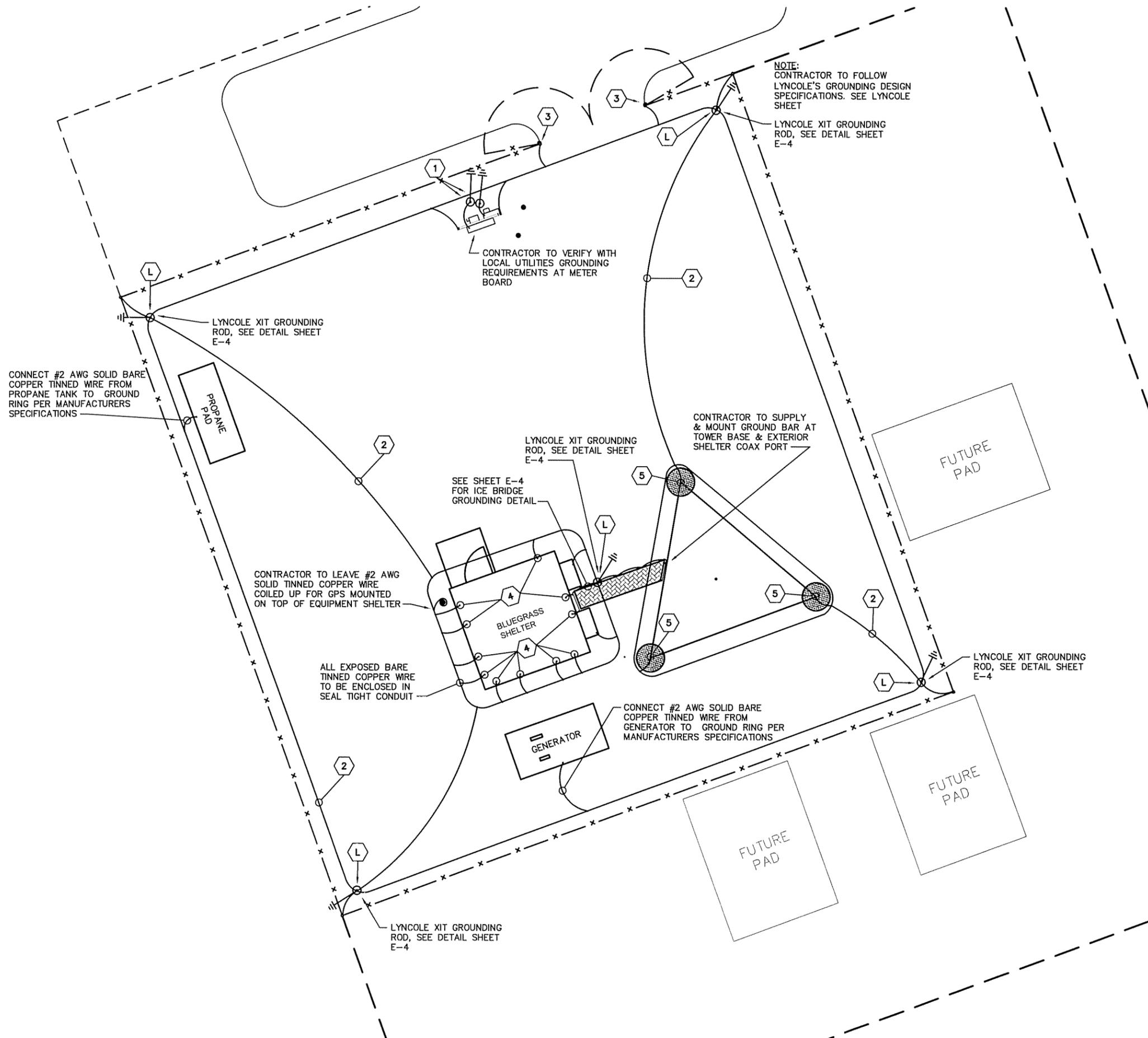
**DETAIL**



**NOTES:**

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

<b>LYNCOLE</b>		CLIENT / END USER RSB DESIGN / BLUEGRASS	
DRAWING PROJECT NAME 1 PRICETOWN		TITLE GROUNDING OPTION	
TECHNICAL SERVICES 3547 VOYAGER STREET, SUITE 204 TORRANCE, CA. 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		LOCATION: PRICETOWN	CALCULATED RESISTANCE < 9 OHMS
DRAWN BY PD	APPROVED BY	DATE 01/23/2008	
SOIL DATA PROVIDED BY TERRACON		REFERENCE NUMBER NA	SCALE NONE
		LTS NUMBER 080026	



NOTE:  
CONTRACTOR TO FOLLOW  
LYNCOLE'S GROUNDING DESIGN  
SPECIFICATIONS. SEE LYNCOLE  
SHEET

LYNCOLE XIT GROUNDING  
ROD, SEE DETAIL SHEET  
E-4

CONTRACTOR TO VERIFY WITH  
LOCAL UTILITIES GROUNDING  
REQUIREMENTS AT METER  
BOARD

LYNCOLE XIT GROUNDING  
ROD, SEE DETAIL SHEET  
E-4

CONNECT #2 AWG SOLID BARE  
COPPER TINNED WIRE FROM  
PROPANE TANK TO GROUND  
RING PER MANUFACTURERS  
SPECIFICATIONS

PROPANE  
PAD

CONTRACTOR TO SUPPLY  
& MOUNT GROUND BAR AT  
TOWER BASE & EXTERIOR  
SHELTER COAX PORT

LYNCOLE XIT GROUNDING  
ROD, SEE DETAIL SHEET  
E-4

SEE SHEET E-4  
FOR ICE BRIDGE  
GROUNDING DETAIL

CONTRACTOR TO LEAVE #2 AWG  
SOLID TINNED COPPER WIRE  
COILED UP FOR GPS MOUNTED  
ON TOP OF EQUIPMENT SHELTER

BLUEGRASS  
SHELTER

ALL EXPOSED BARE  
TINNED COPPER WIRE  
TO BE ENCLOSED IN  
SEAL TIGHT CONDUIT

CONNECT #2 AWG SOLID BARE  
COPPER TINNED WIRE FROM  
GENERATOR TO GROUND RING PER  
MANUFACTURERS SPECIFICATIONS

GENERATOR

LYNCOLE XIT GROUNDING  
ROD, SEE DETAIL SHEET  
E-4

LYNCOLE XIT GROUNDING  
ROD, SEE DETAIL SHEET  
E-4

FUTURE  
PAD

FUTURE  
PAD

FUTURE  
PAD

**GENERAL ELECTRICAL NOTES:**

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

**NOTE:**

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

**NOTE:**

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

**KEYNOTES:**

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



NO.	DATE	REVISION

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**STANDARD CELLULAR SITE**  
**PRICETOWN**  
260 WALNUT HILL RD. LIBERTY, KY. 42539

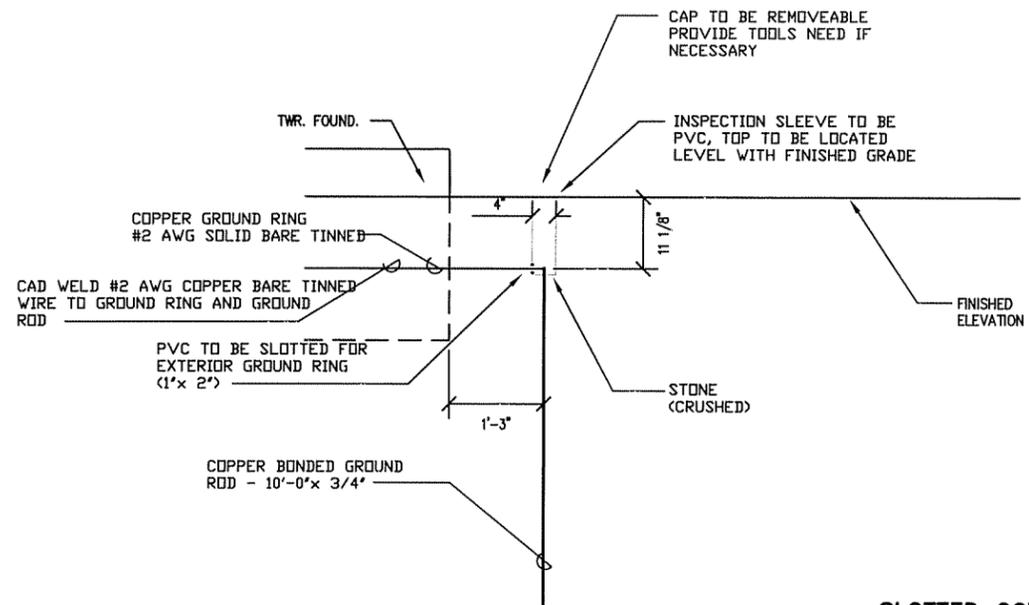
DRAWN BY: R. BECKER  
ISSUE DATE: 1-4-08  
SCALE: LISTED

SHEET NUMBER

E-3

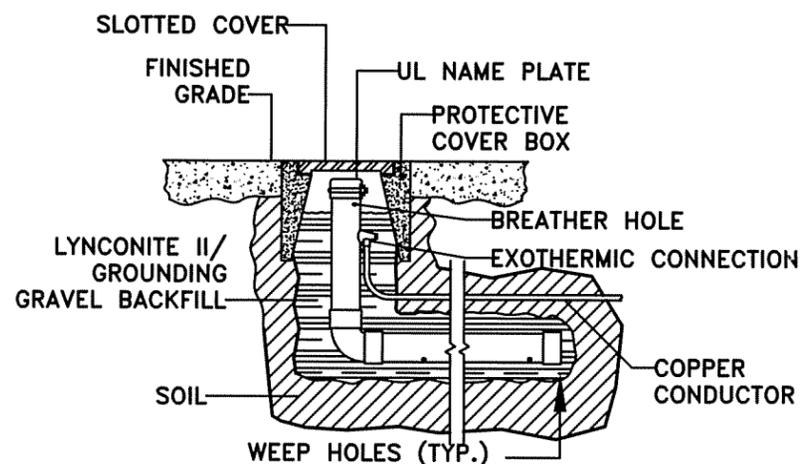
**SITE PLAN-GROUNDING**

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



**GROUND ROD DETAIL**

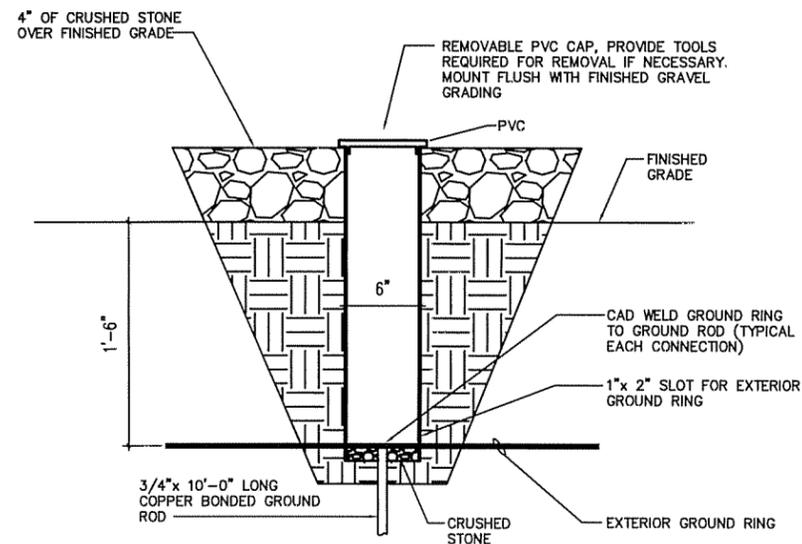
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L-SHAPE MODEL  
LYNCOLE XIT GROUNDING  
(800) 962-2610

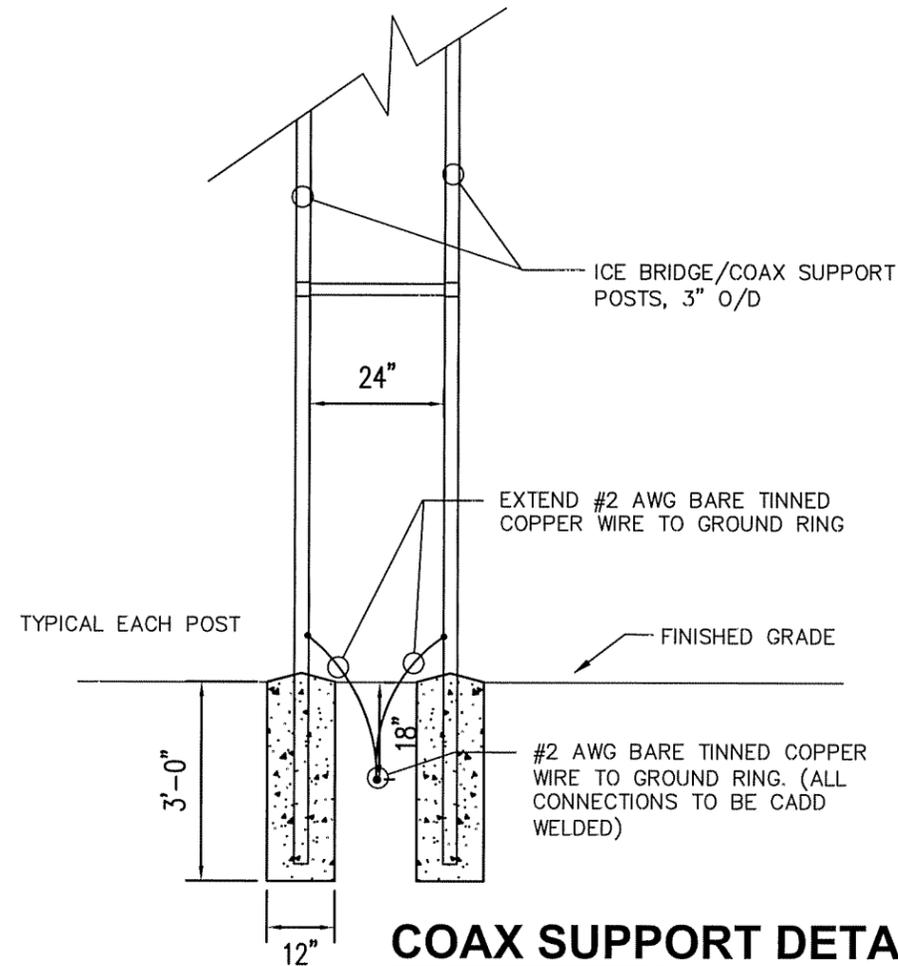
**LYNCOLE XIT ROD DETAIL**

NO SCALE



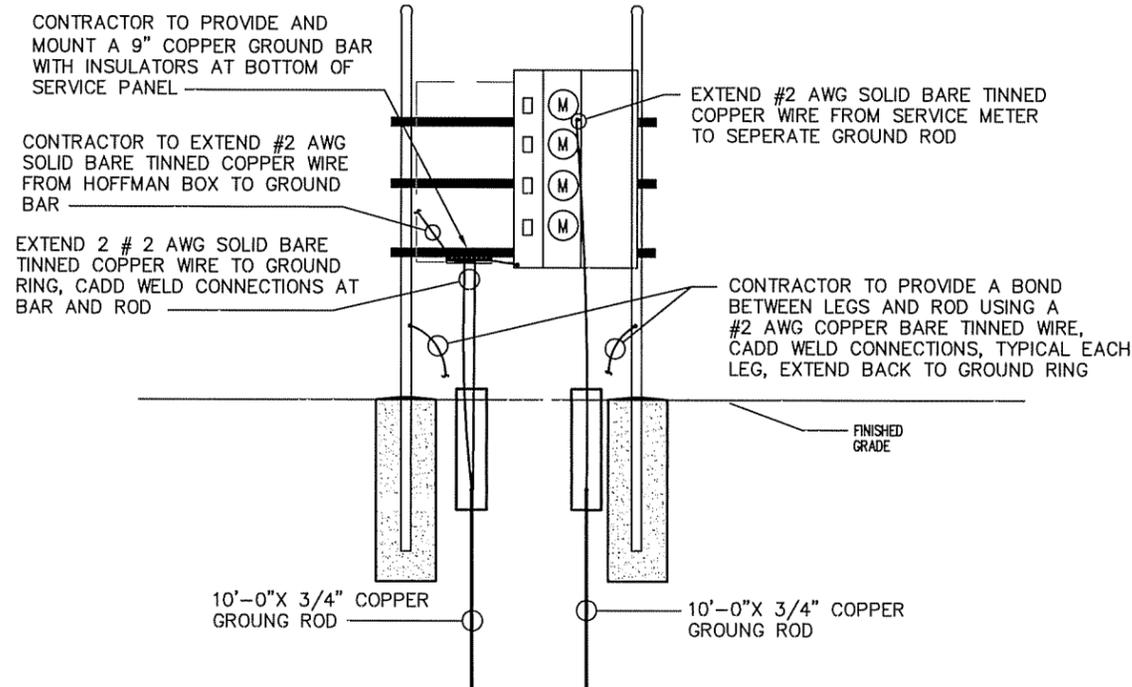
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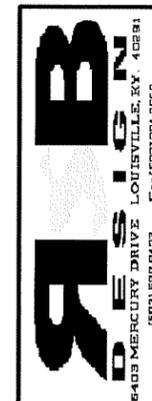
**COAX SUPPORT DETAIL**

NO SCALE



**SERVICE BOARD DETAIL**

NO SCALE



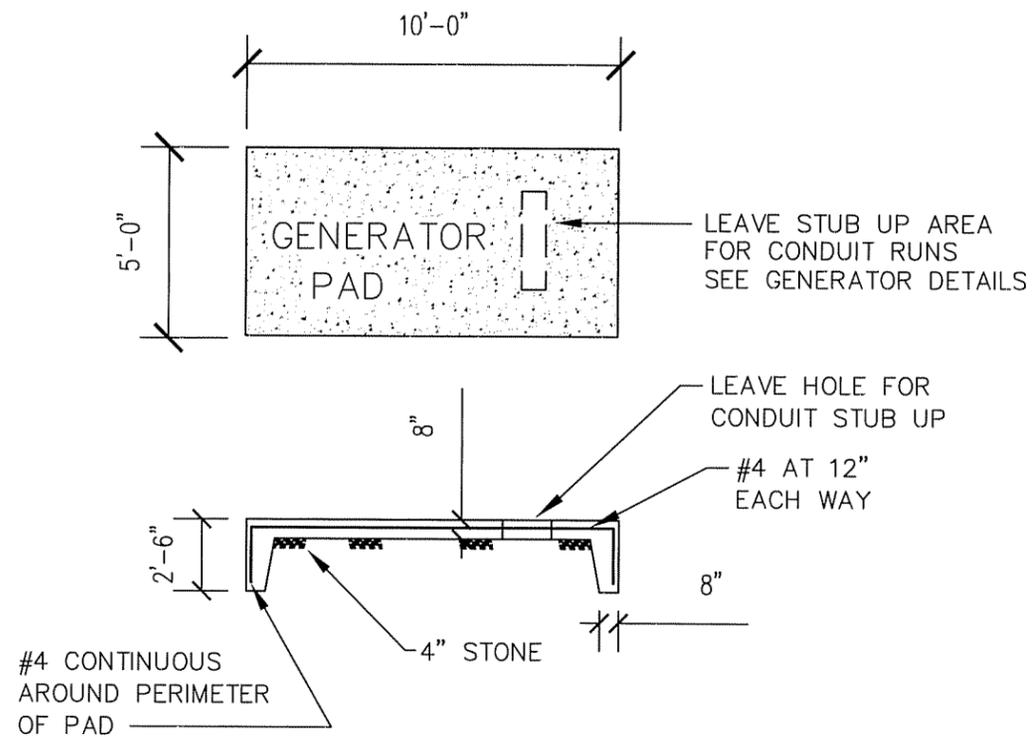
BLUEGRASS CELLULAR, INC.  
6409 MERCURY DRIVE LOUISVILLE, KY. 40281  
(502) 999-9427 FAX (502) 999-3656

NO.	DATE	REVISION

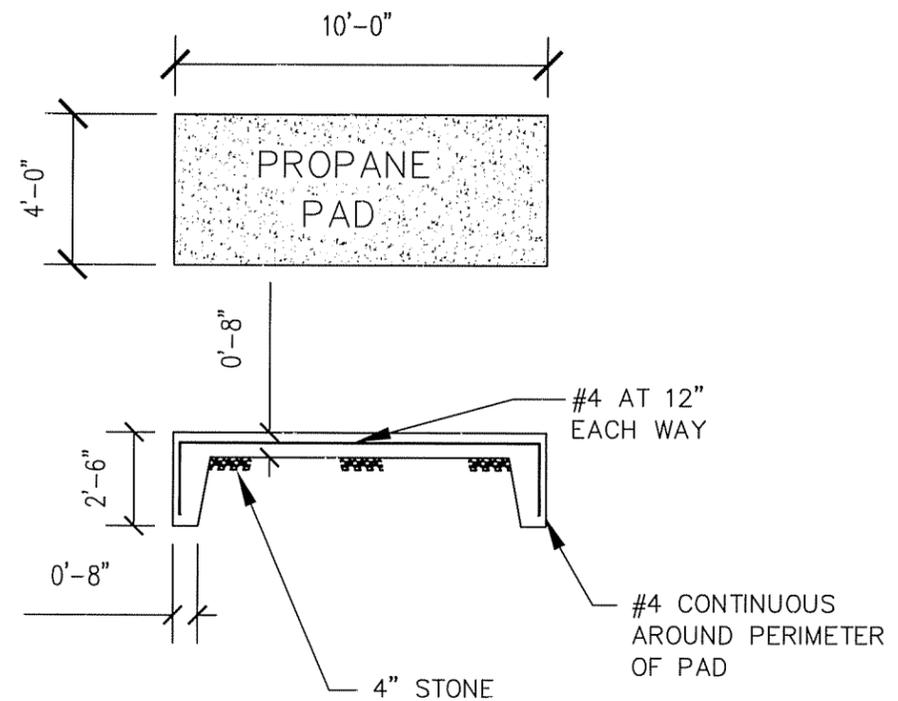
BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**PRICETOWN**  
260 WALNUT HILL RD. LIBERTY, KY. 42539

DRAWN BY: R. BECKER	ISSUE DATE: 1-4-08	SCALE: LISTED
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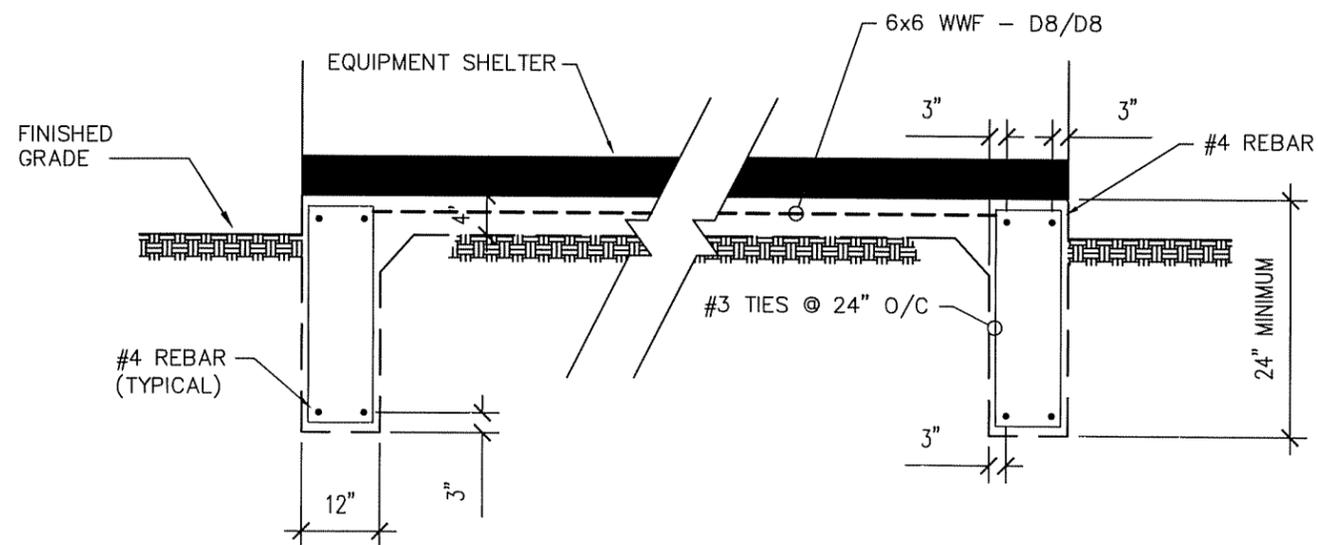
SHEET NUMBER  
**F-4**



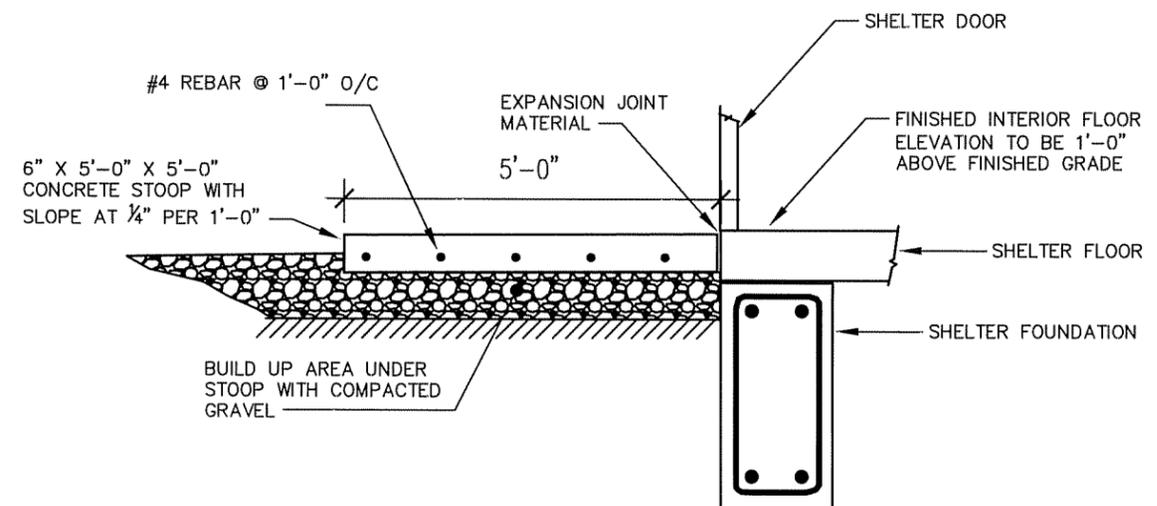
**FOUNDATION DETAIL**  
NO SCALE



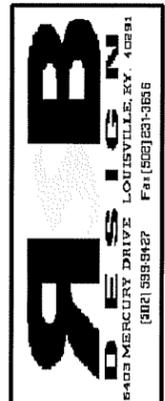
**FOUNDATION DETAIL**  
NO SCALE



**SHELTER FOUNDATION PLAN**  
NO SCALE



**CONCRETE STOOP DETAIL**  
NO SCALE



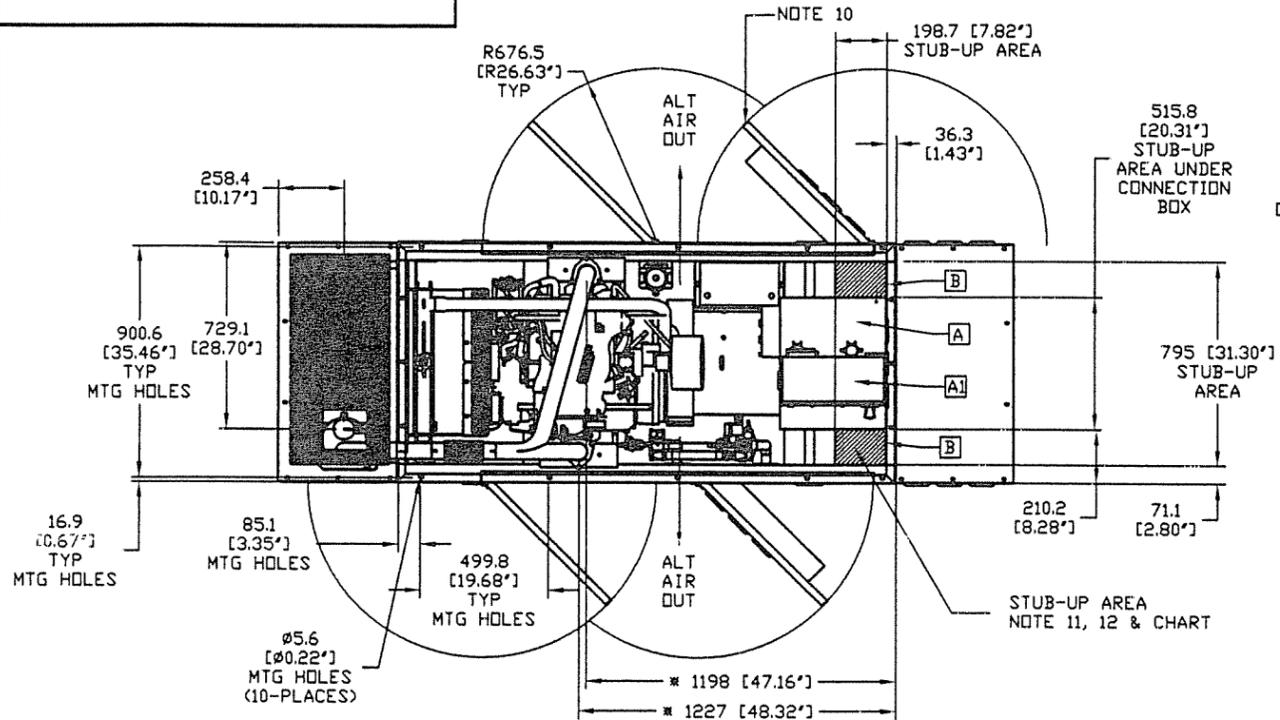
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**PRICETOWN**  
260 WALNUT HILL RD. LIBERTY, KY. 42539

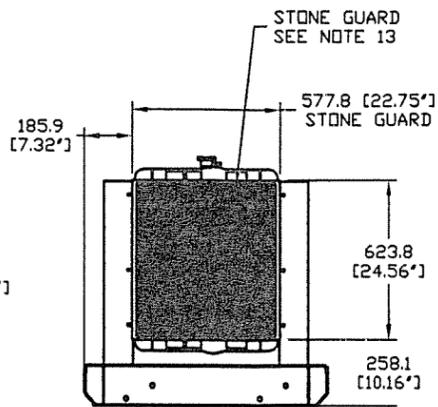
DRAWN BY: R. BECKER  
ISSUE DATE: 1-4-08  
SCALE: LISTED

SHEET NUMBER  
S-1

0G7627



TOP OR PLAN VIEW



RADIATOR END VIEW WITH STONE GUARD OPTION

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

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

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

WEIGHT DATA

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

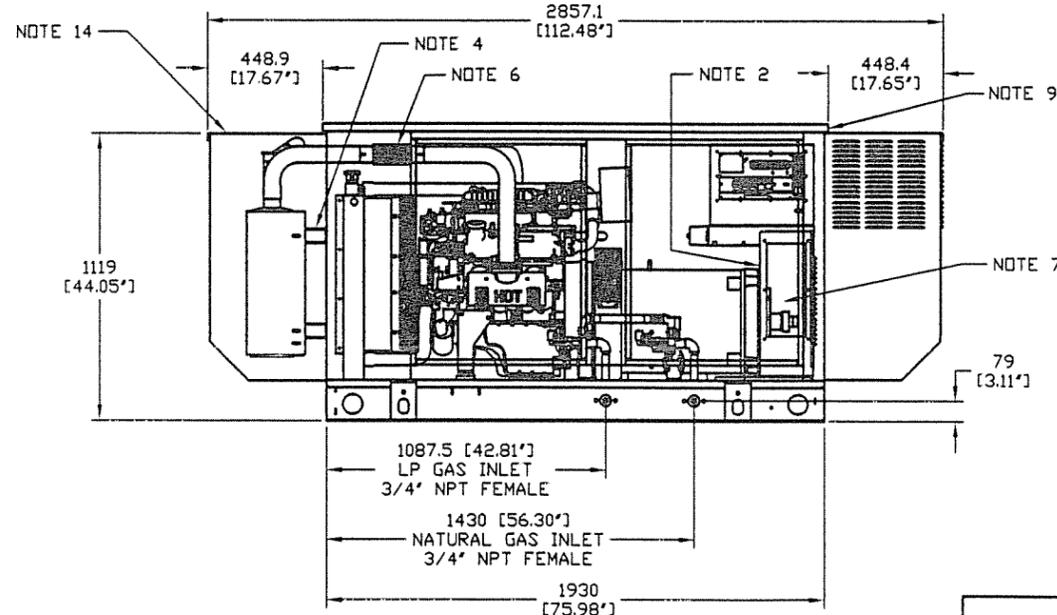
UNITS: mm [INCHES]

ENGINE SERVICE CONNECTIONS

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

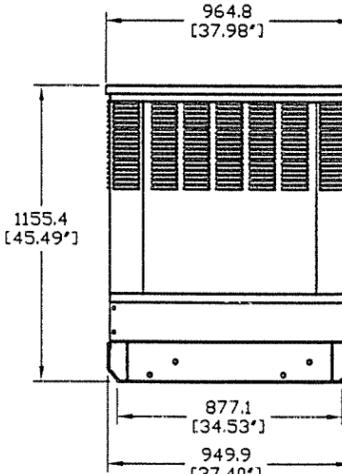
NOTES:

- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
  - STANDARD 20A GFCI DUPLEX OUTLET - 120VAC REQUIRED.
  - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
  - EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL ENCLOSURE.
  - 12 VOLT NEGATIVE GROUND SYSTEM.
  - 2.5" I. D. FLEX EXHAUST, STANDARD WITH ENCLOSURE UNITS, OPTIONAL WITHOUT.
  - MAIN LINE CIRCUIT BREAKER (MLCB) AND AC LOAD LEAD CONNECTION.
  - REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
  - OPTIONAL ENCLOSURE.
  - DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED.
  - STUB-UPS:  
STANDARD BASE TANK REQUIRES ALL STUB-UPS TO BE OUTSIDE OR IN THE REAR TANK STUB-UP AREA.
  - A OR A' IS THE STUB UP AREA UNDER THE MLCB, DEPENDING ON CIRCUIT BREAKER LOCATION. AREA B IS STUB UP AVAILABLE FOR UNITS WITH A BASE TANK.
  - STONE GUARD AND AIR DUCT ADAPTER STANDARD WITH OPEN SET ONLY.
  - SEE DRAWING DC3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
- \*NOTE: DIMENSIONS TO THE CENTER OF EXHAUST FLANGE SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLIES TO OPEN SET ONLY.

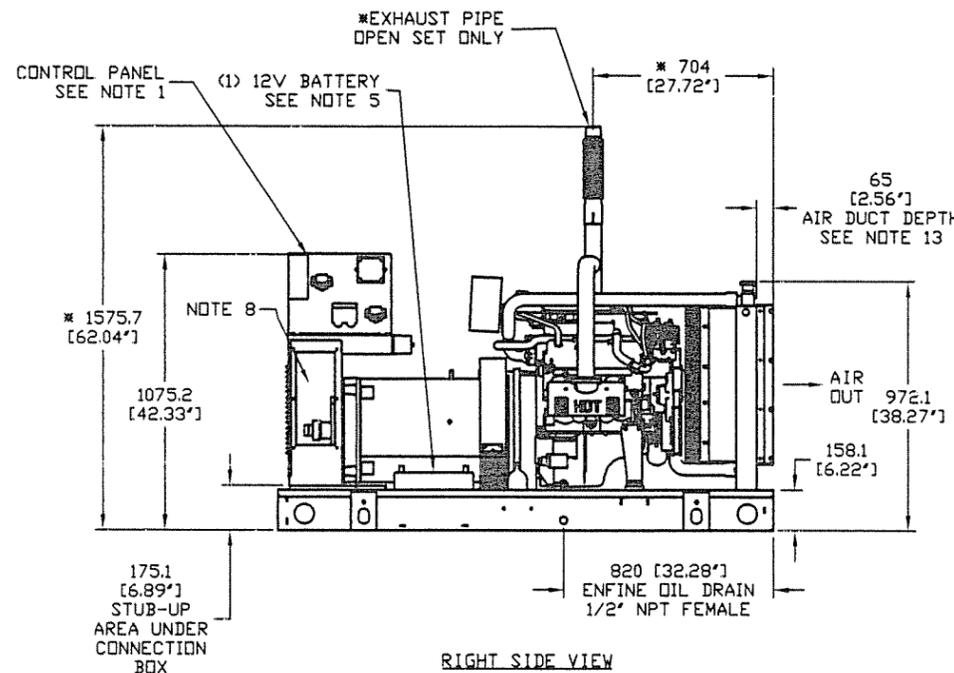


LEFT SIDE VIEW

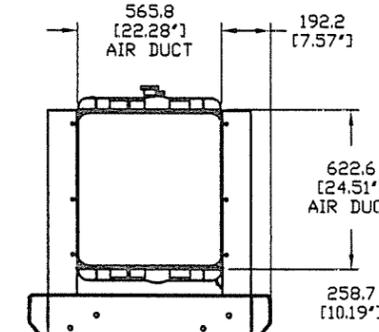
APPLICABLE TO 4.5L G3 35, 40 & 45KW



REAR VIEW



RIGHT SIDE VIEW



RADIATOR END VIEW WITH AIR DUCT ADAPTER OPTION

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

SG 35, 40, 45 KW (UPSIZED 100 KW)  
4.2L DIRECT DRIVE  
ACOUSTIC ENCLOSURE  
ISSUE DATE: 11/13/07

GENERAC POWER SYSTEMS Waukesha P.O. BOX 8 WAUKESHA, WIS. 53187	
FILE NAME	0G7627-A.DWG
SCALE	NTS
DWG NO.	0G7627
SIZE	B
FIRST USE	4.2L G3
REV	A

**GENERAL NOTES:**

1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.

2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.

3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.

4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.

5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.

6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.

7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.

8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.

9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.

10) CONTRACTOR, ANY CONTRACTOR EMPLOYEES OR REPRESENTATIVES, OR SUB-CONTRACTOR, ANY SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL CONFORM TO ALL LAWS AND REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO, ALL OCCUPATIONAL SAFETY AND HEALTH ACT ("OSHA") STATUTES AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTOR.

11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.

12) THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK NECESSARY TO REPAIR DAMAGED AREAS.

13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.

14) CONTRACTOR'S RESPONSIBILITIES REGARDING BUILD OUT ON FIBREBOND EQUIPMENT SHELTERS TO INCLUDE:

- \* INSTALLING THE DOOR CANOPY
- \* INSTALLING EXTERIOR LIGHT ON WALL DETERMINED BY PROJECT SUPERVISOR AND PHOTOCCELL REQUIREMENTS
- \* INSTALLING INTRUDER ALARMS
- \* CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
- \* ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
- \* INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
- \* INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
- \* CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
- \* CHECK OPERATION OF INTAKE AND EXHAUST LOUVERS AND ADJUST AS NEEDED
- \* CHECK OPERATION OF ENVIRONMENTAL CONTROLS AND HVAC UNITS
- \* INSTALL AND PAINT SHELTER TIE-DOWNS TO MATCH

15) INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.

16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

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

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

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

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

21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP.

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

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

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

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

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

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

28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC

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

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

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

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

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

**GRADING & EXCAVATING NOTES:**

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

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

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

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

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

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

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

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

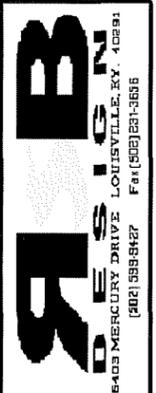
9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.

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

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

**SYMBOLS LEGEND**

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



NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**PRICETOWN**  
 260 WALNUT HILL RD. LIBERTY, KY. 42539

DRAWN BY: R. BECKER  
 ISSUE DATE: 1-4-08  
 SCALE: LISTED

SHEET NUMBER  
**General Notes**

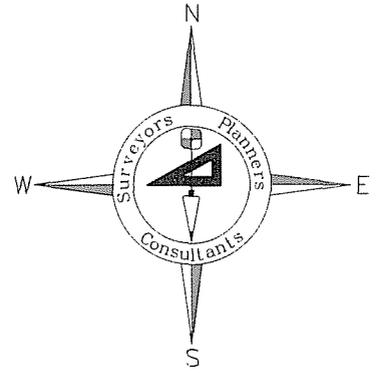
**"BEFORE YOU DIG"**  
 THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 1-800-752-6007, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS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



# Landmark Surveying Co., Inc.

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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 Casey County, Kentucky

**Pricetown Site**  
**Casey County, Kentucky**

From the Casey County courthouse in Liberty, Kentucky: travel east on Kentucky Highway 70 (Middlesburg Street) for 0.4 miles to U.S. Highway 127; turn right onto U.S. Highway 127 and travel south for 2.7 miles to Walnut Hill Road; turn left onto Walnut Hill Road and travel east for 0.3 miles to the tower access lane on the right; turn right onto the access lane and travel southeasterly about 300 feet to the tower site in a pasture. The address of the site is 260 Walnut Hill Road, Liberty, Kentucky 42539.

*Darren L. Helms*

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

Nov. 20, 2007  
Date





**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 3 day of September, 2007 by and between R.C. Weddle, Jr. and Alma Vida Weddle, husband and wife, whose address is 211 Weddle Drive, Liberty, KY 42539 (the "Optionor (s)" and Cumberland Cellular Partnership, d/b/a Bluegrass Cellular, a Kentucky general partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

**WITNESSETH:**

**WHEREAS**, the Optionor(s) is the owner of certain real property located in Casey 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: Pricetown

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 3 March 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.

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

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: Pricetown

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **211 Weddle Drive, Liberty, KY 42539**; 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 Casey County, **Kentucky**.

## **II.**

### **LEASE AGREEMENT**

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

Site Name: Pricetown

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

2. The Optionee shall pay to the Optionor(s) rent for the Property in the sum of Five Thousand Four Hundred Dollars and Zero Cents (\$5,400.00) yearly, to be paid in advance. All rent payments shall be personally delivered or mailed to the 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: Pricetown

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: Pricetown

**EXECUTION OF AGREEMENT(S)**

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

x R.C. Weddle, Jr.  
Date: 9/3/07

Cumberland Cellular Partnership,  
d/b/a Bluegrass Cellular, a Kentucky general partnership

x Alma V. Weddle  
Date: 9/3/07  
("Optionor(s)")

[Signature]  
Date: 9.13-7  
("Optionee")

By: R.C. Weddle, Jr. and  
Alma Vida Weddle  
Property Owner(s)

By: Ron Smith  
Authorized Representative

STATE OF Ky  
COUNTY OF CASEY

The foregoing instrument was acknowledged before me this 3 day of September 2007, by R.C. Weddle, Sr. to be his/her free act and deed.

[Signature]  
CIRCUIT JUDGE  
NOTARY PUBLIC STATE AT LARGE  
My commission expires: \_\_\_\_\_

STATE OF KY  
COUNTY OF CASS

The foregoing instrument was acknowledged before me this 3 day of SEPTEMBER,  
2007, by ALMA Vida Weddle to be his/her free act and deed.

Jan B. Weddle  
Circuit Judge  
NOTARY PUBLIC STATE AT LARGE

My commission expires: \_\_\_\_\_

STATE OF KENTUCKY  
COUNTY OF HARDIN

This instrument was acknowledged before me this 13 day of September,  
200  by Ron Smith of Cumberland Cellular Partnership, d/b/a Bluegrass Cellular on behalf of the  
general partnership

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

This instrument prepared by:



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



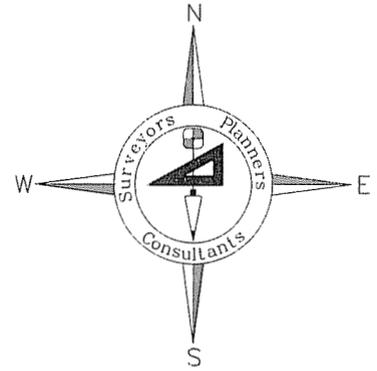




# Landmark Surveying Co., Inc.

---

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](mailto:landmark@dmrtc.net)

## Landowner and Adjacent Landowner List

Bluegrass Cellular  
Pricetown Site  
Casey County, Kentucky

Linda Murphy  
108 Pebblebrook  
Sheperdsville, KY 40165

James G. Weddle and R.C. Weddle, Jr.  
211 Weddle Drive  
Liberty, KY 42539

Jeffery S. Price  
302 Rubarts Road  
Dunnville, KY 42528

Carl and Mariea Jo Wilson  
76 Fred Murphy Road  
Liberty, KY 42539

Helen Richards  
1517 Green River Valley Road  
Liberty, KY 42539

Helen Tucker  
2902 Woods Creek Road  
Liberty, KY 42539

James G. Weddle  
P.O. Box 307  
Liberty, KY 42539

Lester O. and Betty Wilson  
219 Fred Murphy Road  
Liberty, KY 42539

Terry G. and Susan Wilson  
99 Fred Murphy Road  
Liberty, KY 42539

Carlos D. Wesley  
P.O. Box 990  
Liberty, KY 42539

Steve and Brenda Wesley  
628 Walnut Hill Road  
Liberty, KY 42539

Helena McDonald  
839 Memory Drive  
Liberty, KY 42539

Ray and Linda Wheat  
P.O. Box 842  
Liberty, KY 42539

R.C. Weddle, Jr. and Alma Vida Weddle  
211 Weddle Drive  
Liberty, KY 42539

George C. and Connie G. Weddle  
412 Walnut Hill Road  
Liberty, KY 42539

Darren L. Helms

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

Nov. 20, 2007  
Date



January 3, 2007

Helen Richards  
1517 Green River Valley Road  
Liberty, KY 42539

## Public Notice

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

**Please refer to case number 2007-00501 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>Helen Richards</i>	
1. Article Addressed to:  Helen Richards 1517 Green River Valley Road Liberty, KY 42539	B. Received by (Printed Name)	C. Date of Delivery
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
	7007 2560 0000 5882 2336	

January 3, 2007

James G. Weddle  
P.O. Box 307  
Liberty, KY 42539

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1. Article Addressed to:  James G. Weddle P.O. Box 307 Liberty, KY 42539	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No  <i>J</i>
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label)	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes  7007 2560 0000 5882 2442

January 3, 2007

George C. and Connie G. Weddle  
412 Walnut Hill Road  
Liberty, KY 42539

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	B. Received by (Printed Name) <u>Chris Weddle</u>
	C. Date of Delivery <u>1-5</u>
1. Article Addressed to:  George C. and Connie G. Weddle 412 Walnut Hill Road Liberty, KY 42539	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)	<u>7007 2560 0000 5882 2404</u>

January 3, 2007

James G. Weddle and R.C. Weddle, Jr.  
211 Weddle Drive  
Liberty, KY 42539

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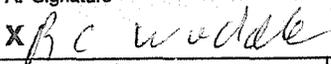
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	B. Received by (Printed Name) C. Date of Delivery
1. Article Addressed to: James G. Weddle and R.C. Weddle, Jr. 211 Weddle Drive Liberty, KY 42539	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address 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 2350

January 3, 2007

R.C. Weddle, Jr. and Alma Vida Weddle  
211 Weddle Drive  
Liberty, KY 42539

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1. Article Addressed to:  R.C. Weddle, Jr. and Alma Vida Weddle 211 Weddle Drive Liberty, KY 42539	<p>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>
2. Article Number (Transfer from service label)	7007 2560 0000 5882 2428

January 3, 2007

Helena McDonald  
839 Memory Drive  
Liberty, KY 42539

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1. Article Addressed to:  Helena McDonald 839 Memory Drive Liberty, KY 42539	B. Received by (Printed Name) C. Date of Delivery
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 2411

January 3, 2007

Helen Tucker  
2902 Woods Creek Road  
Liberty, KY 42539

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1. Article Addressed to:  Helen Tucker 2902 Woods Creek Road Liberty, KY 42539	B. Received by (Printed Name) <i>Helen Tucker</i> C. Date of Delivery <i>1-9</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
Domestic Return Receipt	7007 2560 0000 5882 2374 102595-02-M-1540

January 3, 2007

Jeffrey S. Price  
302 Rubarts Road  
Dunnville, KY 42528

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1. Article Addressed to:  Jeffrey S. Price 302 Rubarts Road Dunnville, KY 42528	B. Received by (Printed Name) <i>JEFF PRICE</i>	C. Date of Delivery <i>1-5-07</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 checked="" 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.	
PS Form 3811, February 2004	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes  7006 2760 0000 9423 6080 Domestic Return Receipt	

January 3, 2007

Ray and Linda Wheat  
P.O. Box 842  
Liberty, KY 42539

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<p>1. Article Addressed to:</p> <p>Ray and Linda Wheat P.O. Box 842 Liberty, KY 42539</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? (<i>Extra Fee</i>) <input type="checkbox"/> Yes</p>
<p>2. Article Number (<i>Transfer from service label</i>)</p>	<p><i>7007 2560 0000 5882 2466</i></p>

January 3, 2007

Carlos D. Wesley  
P.O. Box 990  
Liberty, KY 42539

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1. Article Addressed to:  Carlos D. Wesley P.O. Box 990 Liberty, KY 42539	B. Received by (Printed Name) C. Date of Delivery CARLOS WESLEY 1-7-07
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.
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 7007 2560 0000 5882 2459 102595-02-M-1540

January 3, 2007

Terry G. and Susan Wilson  
99 Fred Murphy Road  
Liberty, KY 42539

## 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 Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 260 Walnut Hill Road, Liberty, Casey County, Kentucky, 42539. 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 2007-00501 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 <i>x Terry Wilson</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
	B. Received by (Printed Name) <i>Terry Wilson</i>
	C. Date of Delivery <i>1-7-07</i>
1. Article Addressed to:  Terry G. and Susan Wilson 99 Fred Murphy Road Liberty, KY 42539	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 2343
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

January 3, 2007

Lester O. and Betty Wilson  
219 Fred Murphy Road  
Liberty, KY 42539

## Public Notice

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<p>1. Article Addressed to:</p> <p>Lester O. and Betty Wilson 219 Fred Murphy Road Liberty, KY 42539</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7007 2568 0000 5882 2387</i></p>

January 3, 2007

Steve and Brenda Wesley  
628 Walnut Hill Road  
Liberty, KY 42539

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

**Please refer to case number 2007-00501 in your correspondence.**

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1. Article Addressed to:  Steve and Brenda Wesley 628 Walnut Hill Road Liberty, KY 42539	B. Received by ( <i>Printed Name</i> ) <i>Matt S. Wesley</i> C. Date of Delivery
2. Article Number ( <i>Transfer from service label</i> )	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? ( <i>Extra Fee</i> ) <input type="checkbox"/> Yes

7007 2560 0000 5882 2398

January 3, 2007

Carl and Mariea Jo Wilson  
76 Fred Murphy Road  
Liberty, KY 42539

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

**Please refer to case number 2007-00501 in your correspondence.**

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<p>1. Article Addressed to:</p> <p>Carl and Mariea Jo Wilson 76 Fred Murphy Road Liberty, KY 42539</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 2367</p>

January 3, 2007

Linda Murphy  
108 Pebblebrook  
Sheperdsville, KY 40165

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

**Please refer to case number 2007-00501 in your correspondence.**

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

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<p>1. Article Addressed to:</p> <p>Linda Murphy 108 Pebblebrook Sheperdsville, KY 40165</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>7006 2760 0000 9423 6073</p>



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

January 2, 2008

**Via Certified Mail**

Honorable Ronald Wright  
Casey County Judge Executive  
County Courthouse  
P.O. Box 306  
Liberty, Kentucky 42539-6154

**RE: Public Notice - Public Service Commission of Kentucky  
Case No. 2007-00501**

Bluegrass Wireless LLC ("Bluegrass Wireless") is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Wireless 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) #11 in Casey County. The facility will include a 240 foot tower and an equipment shelter to be located at 260 Walnut Hill Road, Liberty, Casey County, Kentucky, 42539. A map showing the location of the proposed new facility is enclosed.

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

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2007-00501 in your correspondence.

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 X <i>D. Carman</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  Honorable Ronald Wright Casey County Judge Executive County Courthouse P.O. Box 306 Liberty, KY 42539-6154	B. Received by (Printed Name) <i>D. Carman</i>	C. Date of Delivery <i>1-8-08</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	
Enclos	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 2435	



# PUBLIC NOTICE

Allegiant Wireless LLC  
proposes to  
conduct a cellular  
communications

# TOWER

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

Project Manager:	Allegiant Wireless LLC
Site Manager:	Allegiant Wireless LLC
Local Contact:	Allegiant Wireless LLC
Phone:	Allegiant Wireless LLC
Address:	Allegiant Wireless LLC

Please refer to P.S.C.  
Case #2007-00501  
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:

David Bennett      Telephone  
P.O. Box 818      P.O. Box 818  
Middleburg      Middleburg  
Kentucky 40341      KY 40341  
Phone: 606-226-7777

Please refer to P.S.C.  
**Case #2007-00501**  
in your correspondence.



# The Casey County News

P.O. Box 40  
720 Campbellsville Street  
Liberty, Kentucky 42539

*Randall Vaught, Publisher*

*Donna Carman, Editor*

Phones: 606-787-7171 or 606-787-9466  
FAX: 606-787-8306  
[www.caseynews.net](http://www.caseynews.net)

## AFFIDAVIT OF PUBLICATION

State of Kentucky  
Casey County

Terri Lee, bookkeeper of The Casey County News, Liberty, Ky., the official newspaper, deposes and says that the foregoing Legal Notice was published in the newspaper on the following date(s) Jan. 9, 2008 + Jan. 16, 2008.

Terri Lee

(Signature)

**BEDROOM APARTMENT-** with extra storage. Call 23-1973.

**125 Real Estate Rentals**

**BEDROOM HOME** - Some utilities furnished \$500 month. Lebanon City Limits. (606) 75-2497

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**MENT WITH OPTION TO BUY!** 3 bedroom, 1 bath, Lebanon. Central air & heat. References. Call (270) 692-6777

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**MENT A HOUSE ON THE lake!** 2bd/2ba w/ loft. Lake Wilburg. \$595/mo plus security dep. Wooded lot on hill-de-sac. Must have good edit. 859-509-9060

**HY PAY RENT?** Home loans down! Low % rates. All credit types! Call Darrell at 800-681-1904.

**130 Real Estate Sales**

**BEDROOM, 1 BATH HOME,** fully remodeled, Poplar Hill area, large unattached garage, 2 acres. (606) 706-9261 or 70) 866-9280.

**3 BEDROOM** - Bedford Stone on Wolford St., walkout basement, carport. Call (606) 787-6894.

**8447 HWY 1547** - 2 Bedroom brick house, 1 bath, Living room, kitchen/dining room, large laundry/storage, out building all on approximately 1/2 acre. Call 859-421-9454 for an appointment and questions.

**HOME LOANS** - \$0 down! Low % rates. All credit types! Call Darrell at 1-800-681-1904.

**For Sale By Owner**

**NICE BI-LEVEL HOME** in Rolling Hills Subd. in Lebanon. 5 bedrooms, 2 bath, lower level has full kitchen & both level have separate entrances. Asking \$112,000. (270) 692-0504 or (270) 402-3496 or (270) 402-1986.

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**GET ON THE BAND WAGON WITH A LOW-COST CLASSIFIED!**  
1-877-787-7237

**CLAIMS RE LYNN**

Notice is hereby given that **TINNA MARIE KOONS** has qualified as Administratrix of the estate of **CLAUDE D. LYNN**, deceased. All persons having claims against said estate shall present same, properly proven and verified according to law, to **Tinna Marie Koons**, 744 Hopewell Road, Liberty, KY 42539, or to **Greg Dunn**, Attorney at Law, P.O. Box 1440, Liberty, Ky. 42539, attorney for the estate.

**Did You Know You Can Place Your Classified Ad Online At**  
[www.caseynews.net/classifieds](http://www.caseynews.net/classifieds)

**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 #11 of the Commonwealth of Kentucky (Pricetown Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 260 Walnut Hill Road, Liberty, Casey County, Kentucky, 42539. Your comments and requests for intervention should be addressed to: **Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602.** Please refer to Case No. 2007-00501 in your correspondence.

**PUBLIC NOTICE - OPEN MEETING**

Under the Land and Water Conservation Fund Act of 1965 (Public Law 88-578), citizens are afforded the opportunity to express their views concerning the recreational needs of their community. To provide a forum for discussion, an open meeting is being held on January 18 at 2:00 p.m. Eastern Standard Time at the Casey County Courthouse in Liberty, Kentucky. This meeting is sponsored by the Casey County Judge Executive. The specific purpose of this meeting is to discuss improvements to Gateway Park.

Anyone with a significant supporting or opposing view is invited to voice that opinion at this meeting or in writing to: Land and Water Conservation Fund Program; Governor's Office for Local Development, 1024 Capital Center Drive, Suite 340, Frankfort, Kentucky 40601, within two (2) weeks of the date of the meeting

**LEGAL NOTICE**

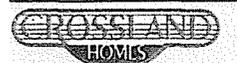
The Casey County Hospital announces that the services of the facility are available to anyone without regard to race, color, national origins, age, sex or handicap. This agency is a recipient of USDA donated food and assures that no discrimination in service occurs. If anyone believes that discrimination has occurred, write to Administrator, Food and Nutrition Service, 3101 Park Center Drive, Alexander, VA 2232. If anyone has any questions about the services provided, please call Rex. A. Tungate, Administrator, Casey County Hospital, 187 Wolford Avenue, Liberty, KY 42539. Phone: (606) 787-6275.

**LEGAL NOTICE**

In order to comply with Title VI of the Civil Rights Act of 1964 and Section 504 of the Rehabilitation Act of 1973, we are informing you that Casey County Hospital and Casey County Primary Care, as a matter of policy, treat patients on an inpatient and outpatient basis without regard to patient's race, color, national origin, ability to pay, handicap, age or sex and that room assignments for inpatients are made without regard to the patient's race, color, national origin or ability to pay. Both services are accessible to and available for the handicapped in so far as is possible at this hospital. The Casey County Hospital and Casey County Primary Care are Equal Opportunity Employers (EOE). The Assistant Administrator, Cindy Meyer, serves as the Section 504 Coordinator and may be reached at (606) 787-6275.



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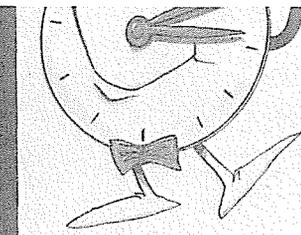


Call Toll Free  
**1-877-787-7237**  
The Casey  
County News

**Legal  
Notices**

**CLAIMS RE LEE**

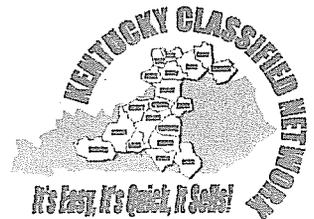
Notice is hereby given that LUCILLE BRYANT has qualified as Administratrix of the estate of FLORA MAE LEE, deceased. All persons having claims against said estate shall present same, properly proven and verified according to law, to Lucille Bryant, P.O. Box 303, Liberty, Ky. 42539, or to Greg Dunn, Attorney at Law, P.O. Box 1440, Liberty, Ky. 42539, attorney for the estate.



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DAY!**

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**7:30 AM EST AND 6:00 PM EST**

The  
Casey County  
News  
**877-787-7237**



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**NOTICE OF  
RESCHEDULING OF  
PUBLIC HEARING**

The Public Service Commission of Kentucky has issued an order on January 7, 2008 rescheduling the hearing to be held on January 9, 2008 to January 17, 2008 at 8:30 a.m., Eastern Daylight time, in Hearing Room 1 of the Commission's offices, located at 211 Sower Boulevard in Frankfort, Kentucky, for the purpose of cross-examining witnesses in Case No 2007-00319, which is The Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company Demand-Side Management for the Review, Modification, and Continuation of Energy Efficient Programs and DSM Cost Recovery Mechanisms.

**KENTUCKY UTILITIES  
COMPANY  
LOUISVILLE GAS AND  
ELECTRIC COMPANY  
220 West Main Street  
Louisville, Kentucky**

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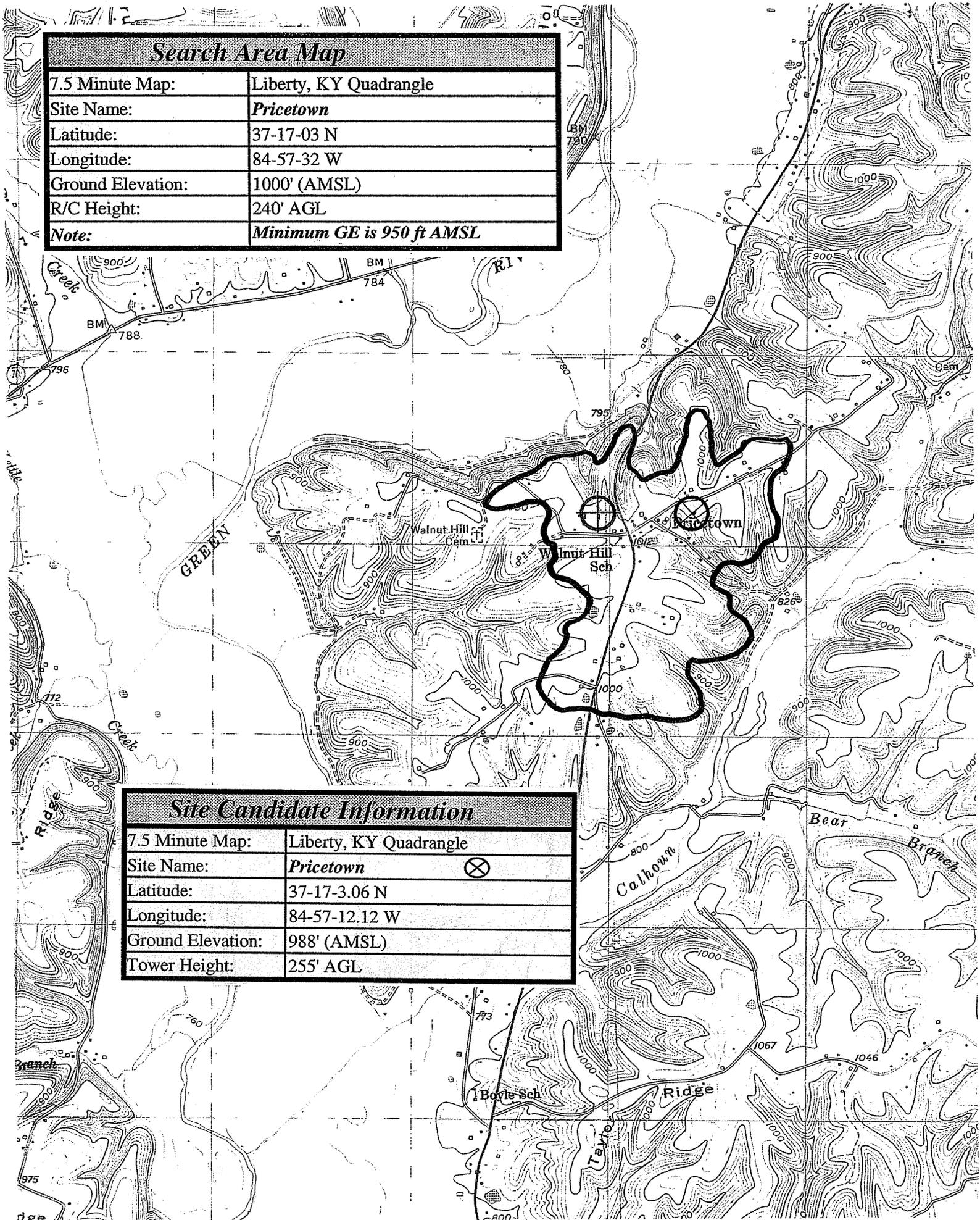


### Search Area Map

7.5 Minute Map:	Liberty, KY Quadrangle
Site Name:	<i>Pricetown</i>
Latitude:	37-17-03 N
Longitude:	84-57-32 W
Ground Elevation:	1000' (AMSL)
R/C Height:	240' AGL
Note:	<i>Minimum GE is 950 ft AMSL</i>

### Site Candidate Information

7.5 Minute Map:	Liberty, KY Quadrangle
Site Name:	<i>Pricetown</i> ⊗
Latitude:	37-17-3.06 N
Longitude:	84-57-12.12 W
Ground Elevation:	988' (AMSL)
Tower Height:	255' AGL





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

Prepared By: LINGS Engineering 12/17/2007



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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1041295	37-31-02 N	84-51-16 W	Moreland, KY	TEXAS EASTERN COMMUNICATIONS, INC.
1044043	37-10-03 N	84-49-30 W	Mintonville, KY	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKSO TV
1031516	37-22-10 N	84-44-06 W	Kings Mountain, KY	NORFOLK SOUTHERN CORP. DBA = SAME
1042417	37-21-23 N	84-55-13 W	Liberty, KY	Global Tower, LLC
1043347	37-18-37 N	84-55-40 W	Liberty, KY	NEW CINGULAR WIRELESS PCS, LLC
1043976	37-19-35 N	84-56-17 W	Liberty, KY	Telecommunications Management LLC d/b/a NewWave Communications
1044720	37-18-36 N	85-03-45 W	Clements ville, KY	COLUMBIA NETWORK SERVICES CORPORATION
1044843	37-31-10 N	84-52-10.8 W	Liberty, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS
1234155	37-17-54.9 N	84-51-11.5 W	Lawnhorn Hill, KY	East Kentucky Power Cooperative, Inc.
1244845	37-24-8.4 N	84-52-12.5 W	Hustonville, KY	NEW CINGULAR WIRELESS PCS, LLC