

**RECEIVED**

OCT 05 2009

**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 (DABNEY) IN RURAL SERVICE AREA #6  
(PULASKI) OF THE COMMONWEALTH OF  
KENTUCKY**

**CASE NO. 2009-00363**

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

Bluegrass Wireless LLC (“Bluegrass Wireless”), through counsel, pursuant to KRS 278.020 and 278.040, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Dabney cell site in and for rural service area (“RSA”) #6 of the Commonwealth of Kentucky, namely the counties of Boyle, Casey, Garrard, Laurel, Lincoln, Madison, Pulaski, and Rockcastle, Kentucky .

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

2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant’s applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit “A”.

Written authorizations from these agencies will be supplied to the Commission upon their approval.

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

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

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

6. Pursuant to 807 KAR §1(1)(g), experienced personnel will manage and operate the Dabney 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 Dabney 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), World Tower Company, Inc. is responsible for the design specifications of the proposed tower (identified in Exhibit “B”).

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

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

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

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

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

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

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

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

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

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

17. Pursuant to 807 KAR 5:063 § 1 (1)(p), applicant’s legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location on the proposed site and one on the nearest public road; and (ii) the notices shall remain posted for at least two weeks after the application has been filed.

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

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

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that “***Bluegrass Wireless LLC proposes to construct a telecommunications tower near this site,***” including the addresses and telephone



numbers of the applicant and the Kentucky Public Service Commission, has been posted on the public road nearest the site.

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

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

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



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703 584 8678 • 703 584 8696 FAX

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

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

September 21, 2009

## Via Federal Express

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


Dear Mr. Houlihan:

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

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

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

Sincerely,

  
Leila Rezanavaz  
Consulting Engineer

Enclosures

CC: Doug Updegraff

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

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

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

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

9. Latitude: 37 ° 10 ' 16 60 "

10. Longitude: 84 ° 34 ' 38 92 "

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

12. Nearest Kentucky City: Science Hill County: Pulaski

13. Nearest Kentucky public use or Military airport:

Lake Cumberland Regional Airport

14. Distance from #13 to Structure: 8.4 Miles

15. Direction from #13 to Structure: NNE

16. Site Elevation (AMSL): 1131 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1386 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:
952 West Coleman Road
Science Hill, KY 42553

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 11/15/09 End 11/20/09

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 2009-ASO-5613-OE

21. Description of Proposal:

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

Max ERP: 250 Watts

Frequencies: PCS (Block C)

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

[ ] No
[X] Yes, When 9/21/2009

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

Leila Rezanavaz / Consulting Engineer
Printed Name Signature Date 9/21/2009

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:

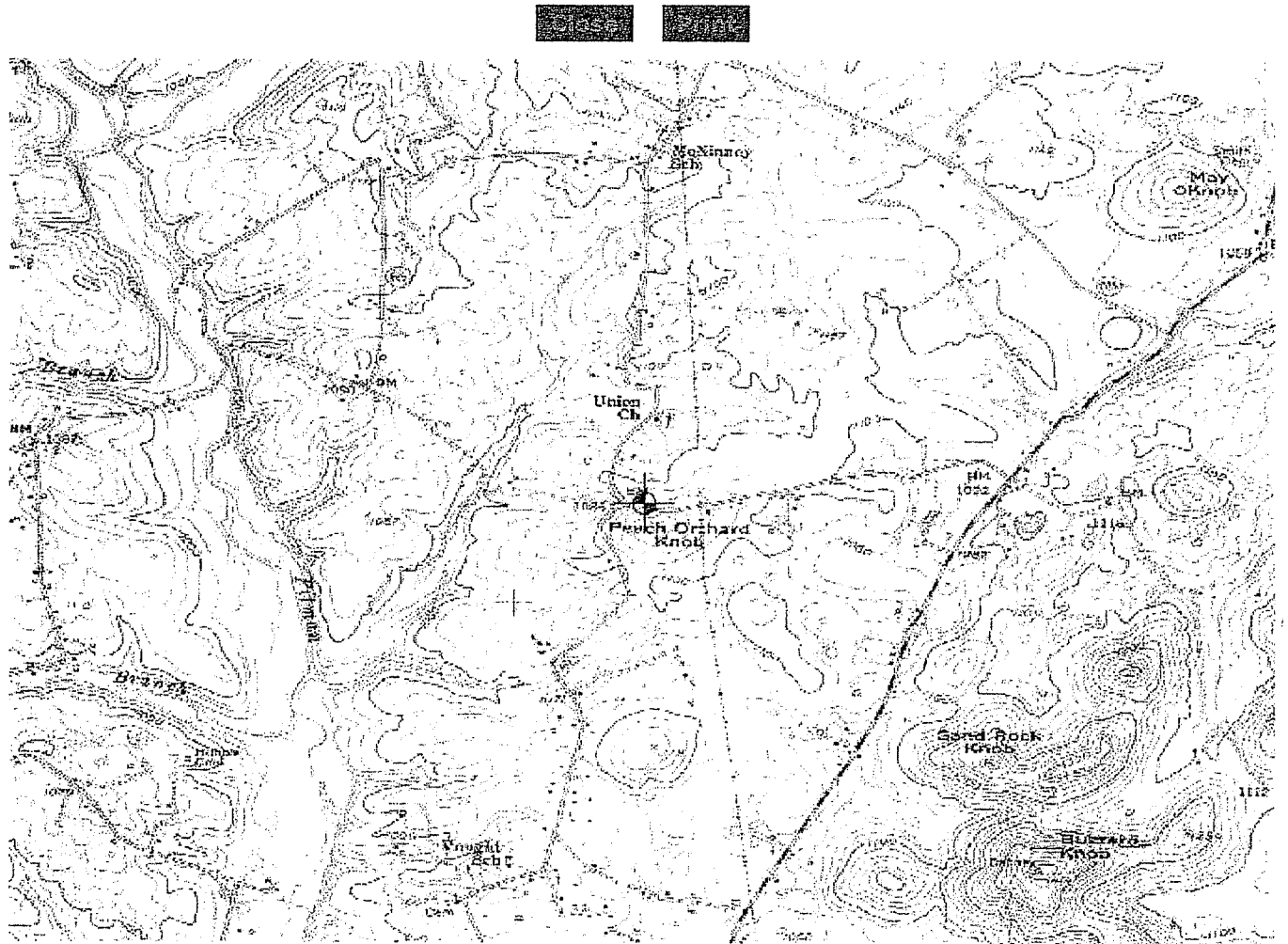
[ ] Chairman, KAZC

[ ] Administrator, KAZC

[ ] Approved

[ ] Disapproved

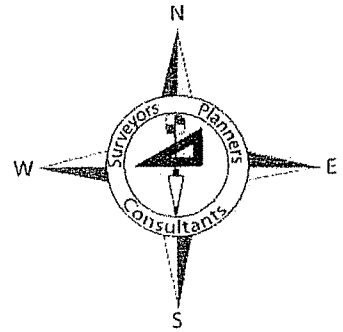
Date



Dabney II Map

# Landmark Surveying Co., Inc.

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



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

## 2C Certification

August 31, 2009

Designation: Dabney II  
Site ID No.: Not Available  
Tower Type: Proposed Self-Support Tower  
Location: 952 West Coleman Road, Science Hill, Kentucky 42553

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

Latitude:	37 degrees 10 minutes 16.60 seconds North	(NAD 1983)
Longitude:	84 degrees 34 minutes 38.92 seconds West	(NAD 1983)
Ground Elevation:	1,130.6 feet or 344.61 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

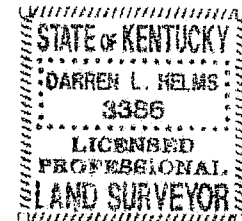
The accuracy of the latitude and longitude of the proposed self-support tower is  $\pm 50$  feet or  $\pm 15$  meters. The ground elevation and structure height are accurate to within  $\pm 20$  feet or  $\pm 6$  meters.

The information shown above is based upon field observations made on August 24, 2009 using the National Geodetic Survey monument "KYTH RM 1" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop Companion 2008 software.

Landmark Surveying Co., Inc.

*Darren L. Helms*

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




**Notice of Proposed Construction or Alteration - Off Airport**

**Project Name:** BLUEG-000129476-09 **Sponsor:** Bluegrass Wireless, LLC.

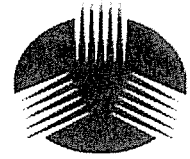
**Details for Case : Dabney II**

Show Project Summary

Case Status																																																																																	
<b>ASN:</b> 2009-ASO-5613-OE	<b>Date Accepted:</b> 09/21/2009																																																																																
<b>Status:</b> Accepted	<b>Date Determined:</b>																																																																																
	<b>Letters:</b> None																																																																																
	<b>Documents:</b> 09/21/2009  2C Survey.pdf																																																																																
Construction / Alteration Information																																																																																	
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<i>if Temporary :</i> Months: Days:	<b>Structure Name:</b> Dabney II																																																																																
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<b>Site Elevation (SE):</b> 1131 (nearest foot)																																																																																	
<b>Structure Height (AGL):</b> 255 (nearest foot)																																																																																	
<b>Requested Marking/Lighting:</b> Dual-red and medium intensity																																																																																	
<i>Other :</i>																																																																																	
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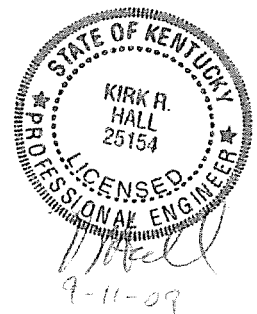


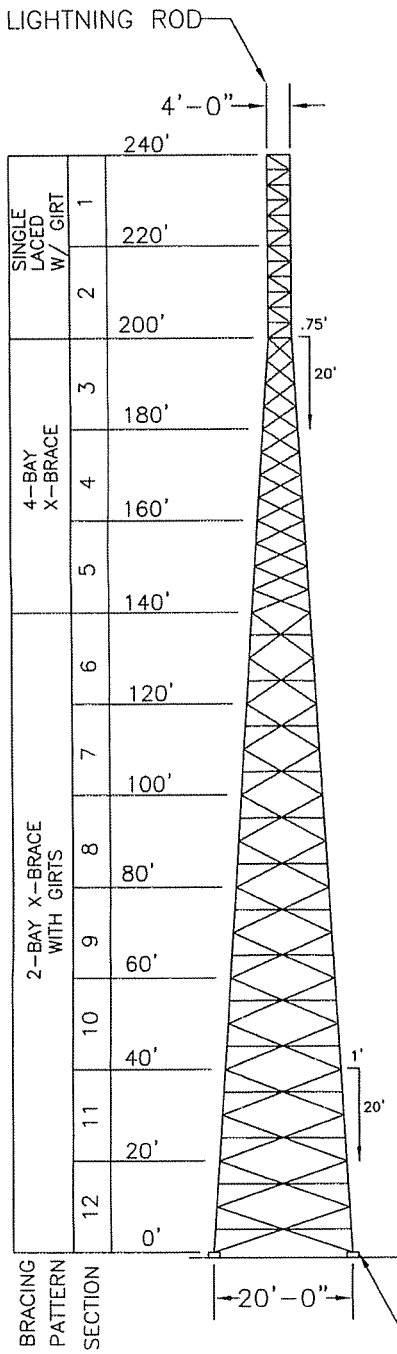


World Tower  
COMPANY, INC

1213 Compressor Drive  
P O Box 508  
Mayfield, KY 42066  
270-247-3642  
FAX: 270-247-0909  
E-mail: [worldtower@worldtower.com](mailto:worldtower@worldtower.com)  
Web: [www.worldtower.com](http://www.worldtower.com)

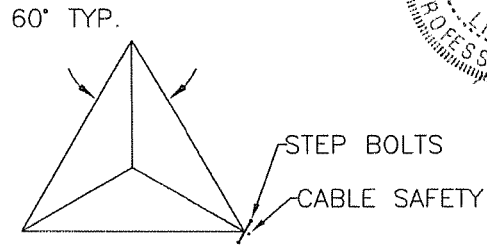
240' MODEL WSST TOWER  
FOR: BLUEGRASS CELLULAR  
SITE: DABNEY  
PULASKI COUNTY, KY  
DESIGN PACKAGE





TOWER ELEVATION

ANCHOR BOLTS WITH EMBEDDED PL.



TOWER PLAN

GENERAL NOTES

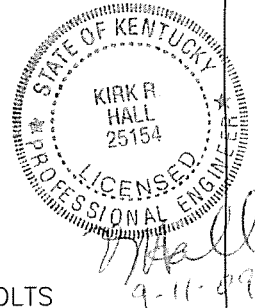
1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOAD AND MEET THE PROVISIONS OF TIA-222-G FOR A 90 MPH BASIC WIND SPEED WITH NO ICE. TOWER IS ALSO DESIGN FOR A 30 MPH BASIC WIND SPEED WITH 3/4" ICE. STRUCTURE CLASS II, EXP. CAT. C AND TOPO. CAT. 1.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
3. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
4. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
5. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
6. ALL STRUCTURAL BOLTS ARE ASTM A325.
7. TOWER IS DESIGNED FOR ALL LINES TO BE MOUNTED ACCORDING TO DRAWING Q09745WG.
8. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA/EIA-222-G EVERY 5 YEARS.
9. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.
10. STEP BOLTS PROVIDED ON ONE LEG FROM 60' TO 240' AND 3 LEGS FROM 0' TO 60'.
11. CABLE SAFETY 0'-240'.

**WORLD TOWER**

TITLE:

240' MODEL WSST TOWER  
FOR: BLUEGRASS CELLULAR  
SITE : DABNEY  
PULASKI COUNTY, KY

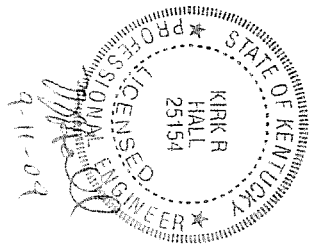
SCALE	NONE	DWN.	LKB	CHKD.	DATE	9-10-09
FILE				DWG. NO.		Q09745



BASE REACTIONS	
OTM:	6390.0 FT. KIPS
COMP.	395.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	50.0 KIPS
WT. NO ICE	79.0 KIPS
WT. 3/4" ICE	188.0 KIPS

SECTION NO.	LEGS	DIAGONALS	GIRTS	SPLICE BOLTS	DIAG BOLTS	GIRT BOLTS
1	1 1/2	1	1	4- 3/4"	WELDED CONSTRUCTION	
2	2	1 1/8	1			
3	2 1/2	2 X 1/8	2 X 1/8	4-1"	5/8	5/8
4	2 3/4	2 X 1/8	N/A			N/A
5	3	2 X 3/16				
6	3 1/4	2 1/2 X 3/16	2 X 1/8	6-1"		5/8
7	3 1/2	3 X 3/16	2 X 3/16			
8	3 1/2	3 X 3/16	2 1/2 X 3/16		3/4	3/4
9	3 3/4	3 X 1/4	2 1/2 X 3/16	6-1 1/4"		
10	3 3/4	3 X 1/4	3 X 3/16			
11	4	3 1/2 X 1/4	3 X 3/16			
12	4	3 1/2 X 1/4	3 X 3/16	6-1 1/4" ANCHOR BOLTS		

ANTENNA LOADING		
ELEV.	DESCRIPTION	LINE
240'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
220'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
200'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
180'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
160'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
140'	6' GRID DISH	1- 1 5/8"

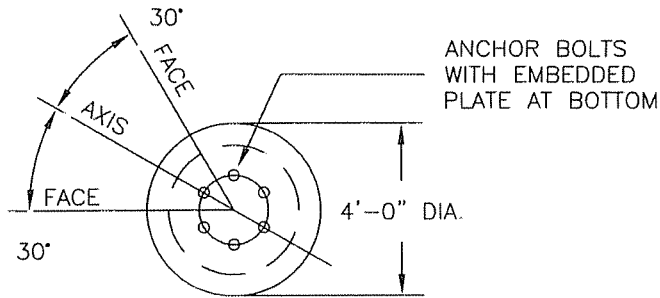


## WORLD TOWER

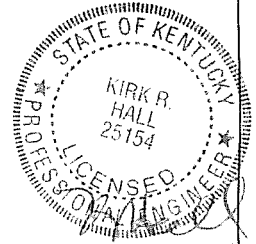
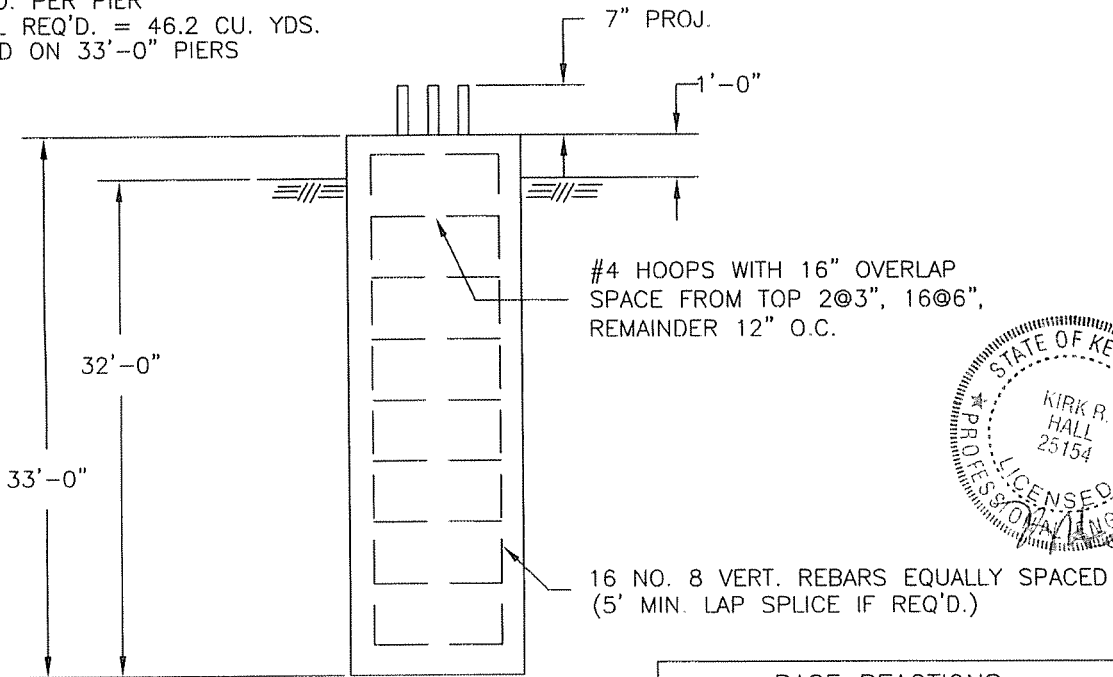
TITLE:

240' MODEL WSST TOWER  
FOR: BLUEGRASS CELLULAR  
SITE : DABNEY  
PULASKI COUNTY, KY

SCALE NONE	DWN.	LKB	CKD.	DATE 9-10-09
FILE	DWG. NO.			Q09745T



15.4 CU. YDS. CONCRETE  
 REQ'D. PER PIER  
 TOTAL REQ'D. = 46.2 CU. YDS.  
 BASED ON 33'-0" PIERS



9-11-09

BASE REACTIONS	
OTM:	6390.0 FT. KIPS
COMP.	395.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	50.0 KIPS
WT. NO ICE	79.0 KIPS
WT. 3/4" ICE	188.0 KIPS

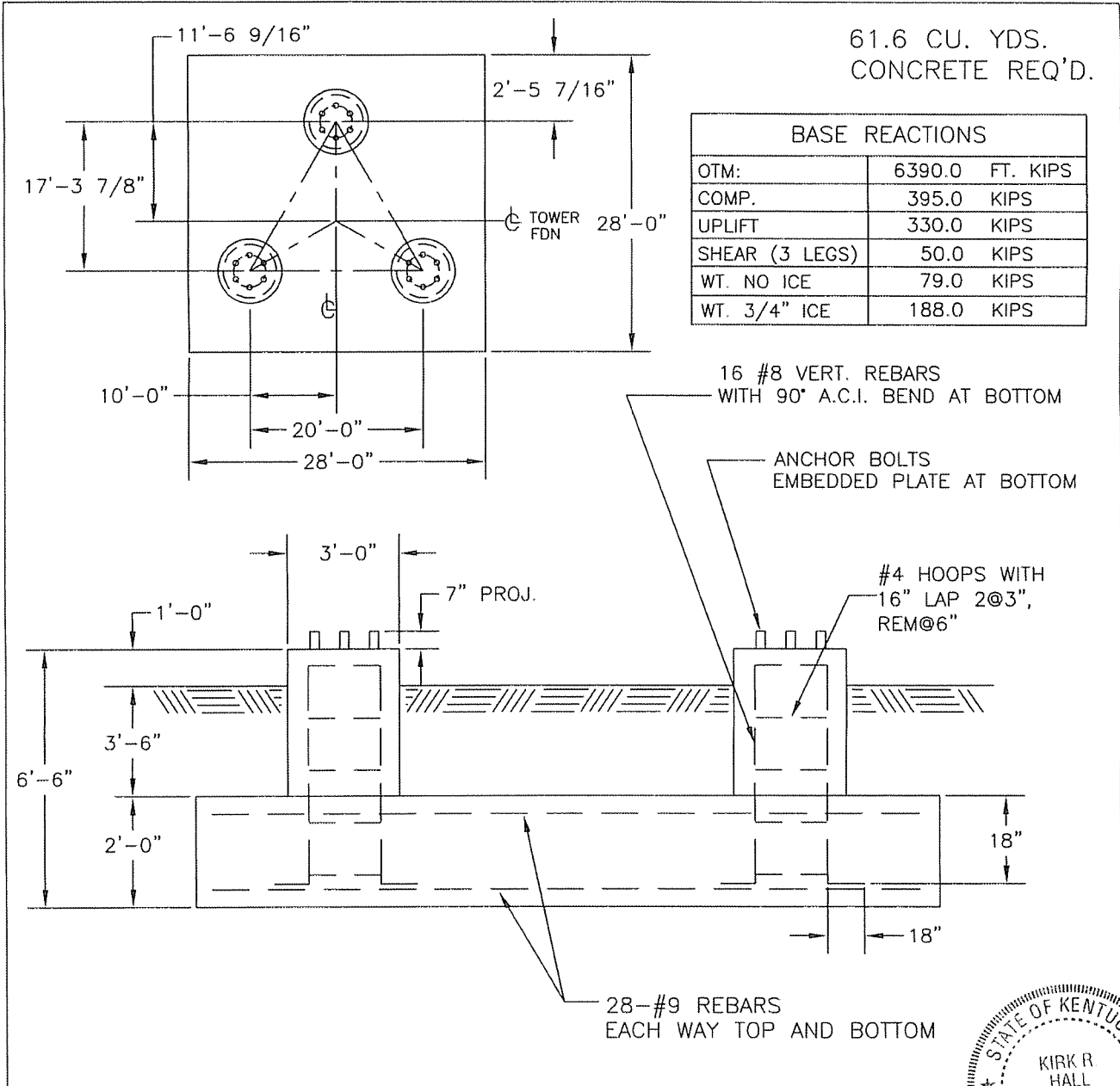
GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM TERRACON PROJECT NO. 57097336 DATED SEPTEMBER 4, 2009.

TITLE: FOUNDATION DETAIL  
 240' MODEL WSST TOWER  
 FOR: BLUEGRASS CELLULAR  
 SITE : DABNEY  
 PULASKI COUNTY, KY

**WORLD TOWER**

SCALE	NONE	DWN.	LKB	CKD.	DATE	9-10-09
FILE					DWG. NO.	Q09745F



61.6 CU. YDS.  
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	6390.0 FT. KIPS
COMP.	395.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	50.0 KIPS
WT. NO ICE	79.0 KIPS
WT. 3/4" ICE	188.0 KIPS

16 #8 VERT. REBARS  
WITH 90° A.C.I. BEND AT BOTTOM

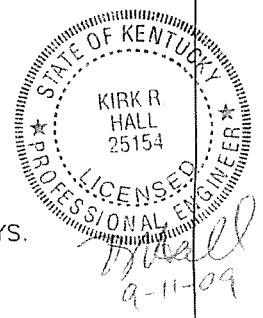
ANCHOR BOLTS  
EMBEDDED PLATE AT BOTTOM

#4 HOOPS WITH  
16" LAP 2@3",  
REM@6"

28-#9 REBARS  
EACH WAY TOP AND BOTTOM

GENERAL NOTES

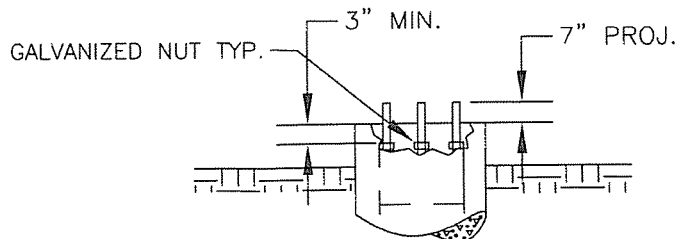
1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
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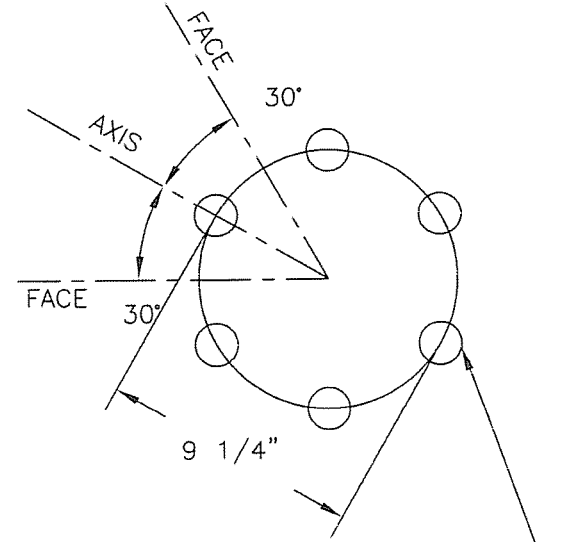
TITLE: FOUNDATION DETAIL  
240' MODEL WSST TOWER  
FOR: BLUEGRASS CELLULAR  
SITE: DABNEY  
PULASKI COUNTY, KY

WORLD TOWER

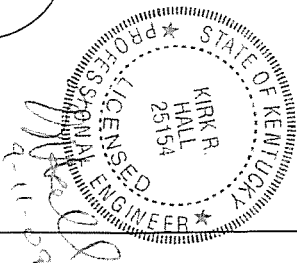
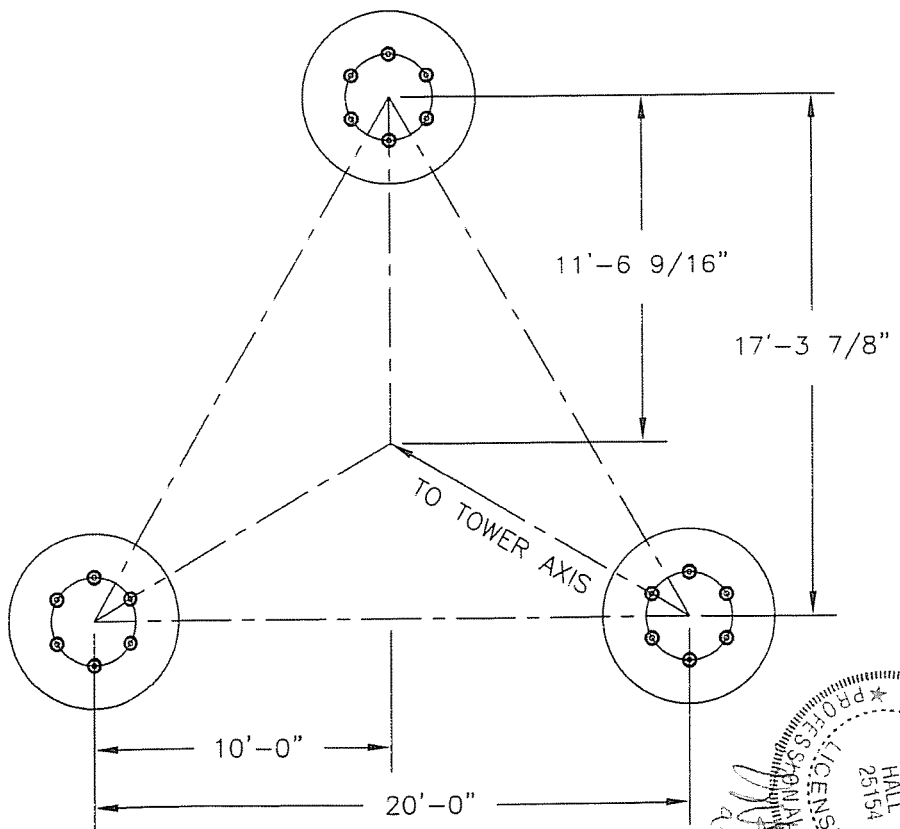
SCALE NONE | DWN. LKB | CKD. | DATE 9-10-09  
FILE | DWG. NO. Q09745F2



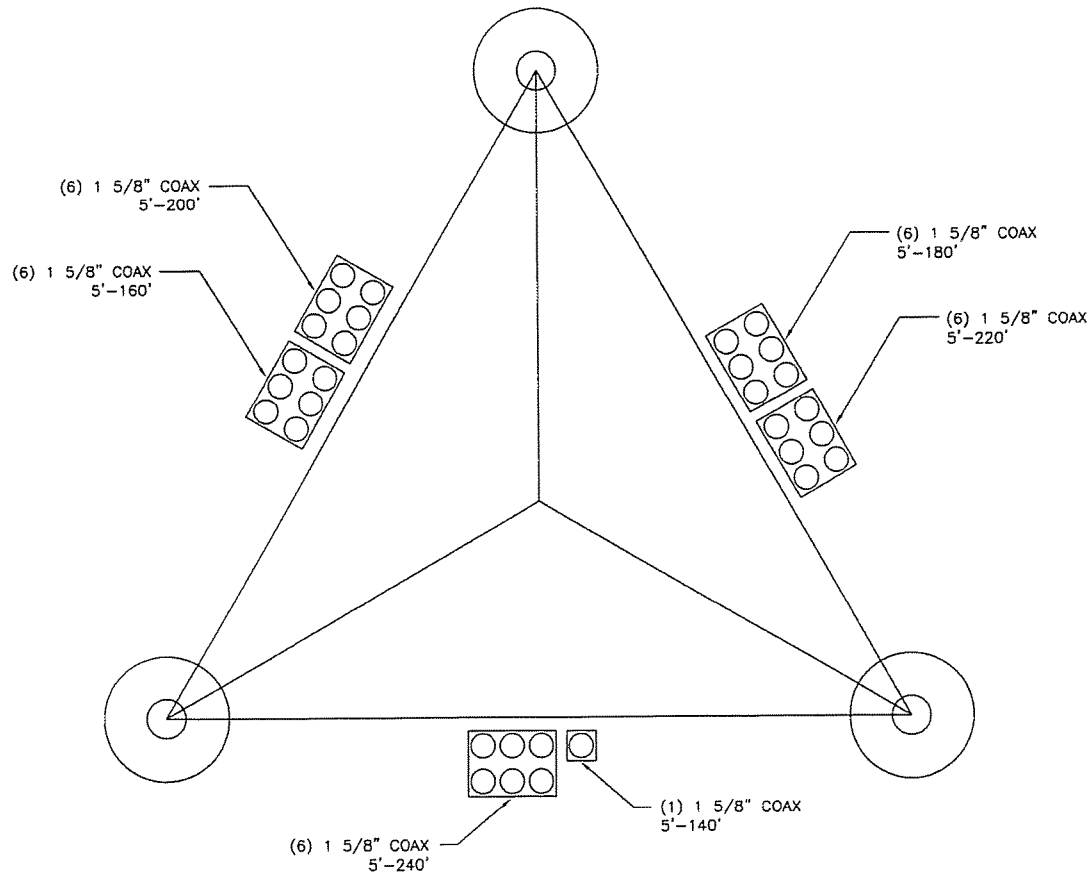
PIER ELEVATION



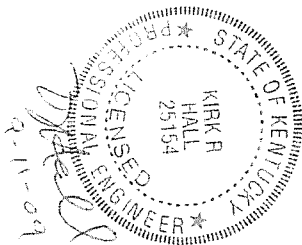
ANCHOR BOLTS 6 (18 TOTAL)  
 1 1/4"Ø X 80" ASTM A354 GR. BC  
 EQUALLY SPACED ON A 9 1/4"  
 DIA. BOLT CIRCLE WITH TOP TEMPLATE  
 AND EMBEDDED PLATE



<b>WORLD TOWER</b>			
TITLE: ANCHOR BOLT LAYOUT 240' MODEL WSST TOWER FOR: BLUEGRASS CELLULAR SITE : DABNEY PULASKI COUNTY, KY			
SCALE NONE	DWN. LKB	CKD.	DATE 9-10-09
FILE	DWG. NO. Q09745AB		



PLAN VIEW



## WORLD TOWER

TITLE:  
 WAVEGUIDE LOCATION  
 240' MODEL WSST TOWER  
 FOR: BLUEGRASS CELLULAR  
 SITE : DABNEY  
 PULASKI COUNTY, KY

SCALE	NONE	DWN.	LKB	CKD.	DATE	9-10-09
FILE					DWG. NO.	Q09745WG



**DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
Flash Beacon Lighting	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	200
WD13X53 Antenna Mounting Frame (w/ 75)*	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	200
WD13X53 Antenna Mounting Frame (w/ 75)*	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	200
WD13X53 Antenna Mounting Frame (w/ 75)*	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	200
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	240	WD13X53 Antenna Mounting Frame (w/ 75)*	180
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	240	WD13X53 Antenna Mounting Frame (w/ 75)*	180
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	240	WD13X53 Antenna Mounting Frame (w/ 75)*	180
WD13X53 Antenna Mounting Frame (w/ 75)*	220	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	180
WD13X53 Antenna Mounting Frame (w/ 75)*	220	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	180
WD13X53 Antenna Mounting Frame (w/ 75)*	220	WD13X53 Antenna Mounting Frame (w/ 75)*	160
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	220	WD13X53 Antenna Mounting Frame (w/ 75)*	160
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	220	WD13X53 Antenna Mounting Frame (w/ 75)*	160
WD13X53 Antenna Mounting Frame (w/ 75)*	200	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	160
WD13X53 Antenna Mounting Frame (w/ 75)*	200	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	160
WD13X53 Antenna Mounting Frame (w/ 75)*	200	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	160
		5 Grid Dish	140

**MATERIAL STRENGTH**

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

**TOWER DESIGN NOTES**

- 1 Tower designed for Exposure C to the TIA-222-G Standard.
- 2 Tower designed for a 90 00 mph basic wind in accordance with the TIA-222-G Standard
- 3 Tower is also designed for a 30 00 mph basic wind with 0 75 in ice. Ice is considered to increase in thickness with height
- 4 Deflections are based upon a 60 00 mph wind
- 5 Tower is designed for feedlines distributed on 3 tower faces with a maximum of 6 lines exposed to the wind on any one face
- 6 Weak link in diagonals from 140' to 120'
- 7 TOWER RATING: 95 5%

**MAX. CORNER REACTIONS AT BASE**

DOWN 395 K  
 UPLIFT -330 K  
 SHEAR 32 K

AXIAL  
 188 K

SHEAR 6 K  
 MOMENT 834 kip-ft

TORQUE 1 kip-ft  
 30.00 mph WIND - 0 75 in ICE

AXIAL  
 79 K

SHEAR 50 K  
 MOMENT 6390 kip-ft

TORQUE 3 kip-ft  
 REACTIONS - 90 00 mph WIND



Section	11	SR 1 1/2	SR 1	4	240 0 ft
Legs	17	SR 2	SR 1 1/8	12 @ 3.20833	220 0 ft
Leg Grade	17	SR 2 1/2	L2x2x1/8	5.5	200 0 ft
Diagonals	14	SR 2 3/4	N.A.	7	180 0 ft
Diagonal Grade	11	SR 3	L2x2x3/16	8.5	160 0 ft
Top Girts	17	SR 3 1/4	L2 1/2x2 1/2x3/16	10	140 0 ft
Bottom Girts	17	SR 3 1/2	L3x3x3/16	11.5	120 0 ft
Horizontals	16	SR 3 3/4	L3x3x1/4	14.5	100 0 ft
Sec. Horizontals	19	SR 3 3/4	L3x3x1/4	16	80 0 ft
Face Width (ft)	11	SR 4	L3 1/2x3 1/2x1/4	18	60 0 ft
# Panels @ (ft)	11			4.7	40 0 ft
Weight (K)	12			4.9	20 0 ft
				33.9	0 0 ft

<b>World Tower Company</b>	Job: <b>Q09-745 Revision #1 fall half height</b>
Project: <b>1213 Compressor Drive</b>	Client: <b>Dabney, Pulaski County, KY</b>
Mayfield, Kentucky 42066	Code: <b>TIA-222-G</b> Date: <b>09/10/09</b> Scale: <b>NTS</b>
Phone: (270) 247-3642	Path: <b>G:\I\rev\PE_Runs\2009\Q09-222\09-745 Dabney\Q09-745.dwg</b> Dwg No. <b>E-1</b>
FAX: (270) 247-0909	

**GEOTECHNICAL ENGINEERING REPORT  
240' SELF-SUPPORT TELECOMMUNICATION TOWER  
DABNEY SITE  
SCIENCE HILL, PULASKI COUNTY, KENTUCKY**

**Project No. 57097336  
September 4, 2009**

*Prepared for:*

**BLUEGRASS CELLULAR PARTNERSHIP  
Elizabethtown, Kentucky**

*Prepared by:*

**Terracon**  
Louisville, Kentucky

September 4, 2009



Bluegrass Cellular Partnership  
2902 Ring Road  
Elizabethtown, Kentucky 42702

Attention: Mr. Doug Updegraff

Regarding: Geotechnical Engineering Report  
240' Self-Support Telecommunication Tower  
Dabney Site  
Science Hill, Pulaski County, Kentucky  
Terracon Project No. 57097336

Dear Mr. Updegraff:

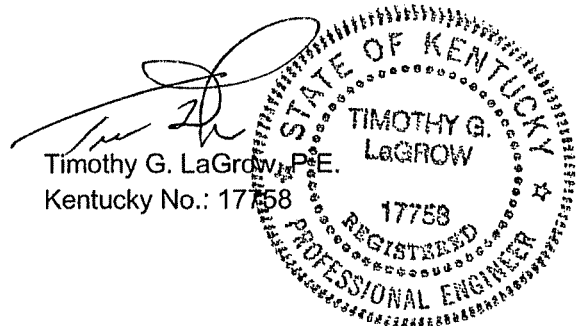
Terracon Consultants, Inc. (Terracon) has completed the geotechnical engineering services for the above referenced project. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations for the proposed project.

Terracon's geotechnical design parameters and recommendations within this report apply to the existing planned tower height and would apply to adjustments in the tower height, up to a 20% increase or decrease in height, as long as the type of tower does not change. If changes in the height of the tower dictate a change in tower type (i.e. - Self-Support to a monopole), 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, please contact us.

Sincerely,  
**Terracon Consultants, Inc.**

Shaikh Z. Rahman, P.E.  
Project Engineer



Enclosures  
Client: 3 hard copies, 1 pdf

Terracon Consultants, Inc. 4545 Bishop Lane, Suite 101 Louisville, KY 40218  
P [502] 456 1256 F [502] 456 1278 terracon.com

## TABLE OF CONTENTS

	<b>Page</b>
<b>1.0 INTRODUCTION</b> .....	1
<b>2.0 PROJECT INFORMATION</b> .....	1
2.1 Project Description .....	1
2.2 Site Location and Description .....	1
<b>3.0 SUBSURFACE CONDITIONS</b> .....	2
3.1 Geology .....	2
3.2 Typical Profile.....	2
3.3 Groundwater .....	2
<b>4.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION</b> .....	3
4.1 Geotechnical Considerations .....	3
4.2 Foundation Recommendations .....	3
4.2.1 Drilled Pier Foundation System.....	3
4.2.2 Mat Foundation System .....	4
4.2.3 Equipment Building/Cabinet Foundations .....	5
4.3 Earthwork .....	5
4.3.1 Compaction Requirements .....	6
4.3.2 Construction Considerations .....	7
4.4 Seismic Considerations.....	7
<b>5.0 GENERAL COMMENTS</b> .....	8

### **Appendix – Field and Laboratory Data**

- Boring Location Diagram – Figure 1
- Boring Log
- Field Exploration
- Laboratory Testing
- General Notes
- Unified Soil Classification

**GEOTECHNICAL ENGINEERING REPORT**  
**240' SELF-SUPPORT TELECOMMUNICATION TOWER**  
**SCIENCE HILL, PULASKI COUNTY, KENTUCKY**  
**Project No. 57097336**  
**September 4, 2009**

**1.0 INTRODUCTION**

A geotechnical engineering report has been completed for the proposed 240-foot tall self-support telecommunication tower to be constructed in Science Hill, Pulaski County, Kentucky. One boring was drilled to a depth of approximately 50 feet below the existing ground surface at the proposed tower center location. A boring log and a boring location diagram are included in the Appendix of this report.

The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- subsurface soil conditions
- groundwater conditions
- foundation design and construction
- earthwork
- seismic considerations

**2.0 PROJECT INFORMATION**

**2.1 Project Description**

<b>Site layout</b>	100-ft X 100-ft area. See Appendix, Figure 1, Boring Location Diagram
<b>Tower</b>	240-foot tall self-support
<b>Maximum anticipated loads</b>	Vertical Load: 600 kips Horizontal Shear: 80 kips Uplift: 500 kip-ft
<b>Existing Grades</b>	Not available
<b>Grading</b>	Cut: 3 feet (+/-) max (assumed) Fill: 3 feet (+/-) max (assumed)

**2.2 Site Location and Description**

<b>Location</b>	952 W. Coleman Road, Science Hill, Pulaski County, Kentucky
<b>Existing improvements</b>	Pasture
<b>Current ground cover</b>	Grass
<b>Existing topography</b>	Relatively level

### 3.0 SUBSURFACE CONDITIONS

#### 3.1 Geology

<b>St. Louis Limestone</b> <sup>1</sup>	Typically a light olive to dark gray, very fine to medium-grained, medium to thick-bedded, fossiliferous limestone containing numerous chert stringers and nodules. Soil formed by the weathering of this limestone formation normally consists of reddish brown silty clay of low to moderate plasticity with occasional zones of high plasticity. Often bands of partially and unweathered chert exist within the overburden soil. Thickness varies from 70 to 100 feet.
1. Based on the Geologic Map of <i>Bobtown</i> quadrangle, Kentucky, published by the Kentucky Geological Survey (1973).	

#### 3.2 Typical Profile

Based on the results of the boring, subsurface conditions on the project site can be generalized as follows:

Description	Approximate Depth to Bottom of Stratum (feet)	Material Encountered	Consistency/Density
Surface	0.8	Topsoil	N/A
Stratum 1	42	Fat clay	Very stiff to hard
Stratum 2	To auger refusal at 43	Weathered bedrock	N/A

Conditions encountered at the boring location are indicated on boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types; in-situ, the transition between materials may be gradual. Further details of the boring can be found on the boring log in the Appendix of this report.

#### 3.3 Groundwater

Groundwater was not observed in the boring during or immediately after completion of drilling operations. At the time the boring was drilled, the groundwater table was apparently below the maximum drilling depth. However, fluctuations in the groundwater table can occur and perched water can develop over low permeability soil or rock strata following periods of heavy or prolonged precipitation. This possibility should be considered when developing design and construction plans and specifications for the project. Long term monitoring in cased holes or piezometers would be necessary to accurately evaluate the potential range of groundwater conditions on the site.

#### 4.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION

##### 4.1 Geotechnical Considerations

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

##### 4.2 Foundation Recommendations

###### 4.2.1 Drilled Pier Foundation System

The proposed tower can be founded on a drilled pier. Based on the results of the boring, we have developed the following drilled pier design parameters.

Approximate Depth (feet) <sup>1</sup>	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Cohesion (psf)	Internal Angle of Friction (Degrees)	Strain $\epsilon_{50}$	Lateral Subgrade Modulus (pci)
0 – 2 Topsoil and Sandy Clay	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
2 – 25 Fat Clay	525	5,000	2,500	2,500	--	0.006	200
25 – 43 Fat Clay	525	7,500	2,500	2,500	--	0.005	200

1. Pier observation is recommended to adjust pier length if variable soil conditions are encountered. A total unit weight of 120 pcf can be assumed for the clays.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have a factor of safety of about 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on our boring, published values and our past experience with similar soil types. These values should, therefore, be considered approximate. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. If the drilled pier is designed using the above parameters, settlements are not anticipated to exceed 1 inch.

The upper 2 feet of topsoil and sandy clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in lateral and uplift resistance caused by variable subsurface conditions, we recommend that drawings instruct the contractor to notify the engineer if subsurface conditions significantly different than encountered in our boring are disclosed during drilled pier installation. Under these circumstances, it may be necessary to

adjust the overall length of the pier. To facilitate these adjustments and assure that the pier is embedded in suitable materials, it is recommended that a Terracon representative observe the drilled pier excavation.

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.

#### 4.2.2 Mat Foundation System

<b>Foundation subgrade</b> <sup>1</sup>	Suitable native soil or engineered granular fill extending to suitable native soil
<b>Net allowable bearing pressure</b> <sup>2</sup>	4,000 psf
<b>Allowable passive pressure</b>	Ignore
<b>Coefficient of sliding friction</b>	0.35
<b>Minimum embedment below finished grade for frost protection</b>	18 inches
<b>Approximate total settlement</b> <sup>3</sup>	1 inch
<ol style="list-style-type: none"> <li>1. A geotechnical engineer should verify footing subgrade prior to concrete placement.</li> <li>2. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. Assumes any unsuitable fill or soft soils, if encountered, will be undercut and replaced with engineered fill.</li> <li>3. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footings, the thickness of compacted fill, and the quality of the earthwork operations.</li> </ol>	

Uplift resistance for spread footing foundations may be computed as the sum of the weight of the foundation element and the weight of the soil overlying the foundation. We recommend using a soil unit weight of 115 pounds per cubic foot (pcf) for engineered fill overlying the footing placed as described in this section of this report. A unit weight of 150 pcf could be used for reinforced footing concrete. We recommend a minimum factor of safety of 1.5 be utilized for uplift calculations.

The base of all foundation excavations should be free of water and loose soil and rock prior to placing concrete. Concrete should be placed soon after excavating to reduce bearing soil disturbance. Should the soils at bearing level become excessively dry, disturbed or saturated,



or frozen, the affected soil should be removed prior to placing concrete. Place a lean concrete mud-mat over the bearing soils if the excavations must remain open over night or for an extended period of time. It is recommended that the geotechnical engineer be retained to observe and test the soil foundation bearing materials.

If unsuitable bearing soils are encountered in footing excavations, the excavations should be extended deeper to suitable soils and the footings could bear directly on these soils at the lower level or on lean concrete backfill placed in the excavations.

**4.2.3 Equipment Building/Cabinet Foundations**

<b>Foundation subgrade</b> <sup>1</sup>	Suitable native soil or engineered fill extending to suitable native soil
<b>Net allowable bearing pressure</b> <sup>2</sup>	2,500 psf
<b>Minimum embedment below finished grade for frost protection</b>	18 inches
<b>Approximate total settlement</b> <sup>3</sup>	1 inches
<ol style="list-style-type: none"> <li>1. A geotechnical engineer should verify footing subgrade prior to concrete placement.</li> <li>2. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. Assumes any unsuitable fill or soft soils, if encountered, will be undercut and replaced with engineered fill.</li> <li>3. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footings, the thickness of compacted fill, and the quality of the earthwork operations.</li> </ol>	

Equipment cabinets may be supported on ground supported concrete slabs. The slabs should bear on firm soils. Any soft, wet, unsuitable soils present in the pad area should be undercut or stabilized in-place prior to pad construction. If necessary, the slabs may be supported on a compacted layer of free draining, granular subbase material to help distribute concentrated loads and act as a capillary break beneath the slab. The slabs should be appropriately reinforced to support the proposed equipment loads.

**4.3 Earthwork**

Site preparation should begin with removal of topsoil, vegetation, trees with roots, and any loose/soft or otherwise unsuitable materials from the entire construction area. The actual stripping depth along with any fill or soft soils that may require undercutting, should be evaluated by the geotechnical engineer at the time of construction.

Engineered fill should meet the following material property requirements:

Fill Type <sup>1</sup>	USCS Classification	Acceptable Location for Placement
Lean clay	CL (LL<45)	All locations and elevations except under mat foundation
Lean to fat clay	CL/CH (45<LL<55)	> 2 ft. below lightly loaded improvements
Fat clay	CH (LL >55)	Not recommended.
Well graded granular material <sup>2</sup>	GW, GM, GP, SW, GC, SP, SM, and SC	All locations and elevations
On-site soils <sup>3</sup>	CL, CH	On-site sandy clays may be re-used. On-site fat clays are not recommended for re-use.
<p>1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. Frozen material should not be used, and fill should not be placed on a frozen subgrade. A sample of each material type should be submitted to the geotechnical engineer for evaluation.</p> <p>2. Similar to crushed limestone aggregate or limestone screenings or granular material such as sand, gravel or crushed stone (pug mix).</p> <p>3. Delineation of on-site sandy and fat clays should be performed in the field by a geotechnical engineer or his representative prior to their re-use.</p>		

#### 4.3.1 Compaction Requirements

<b>Fill Lift Thickness</b>	9-inches or less in loose thickness
<b>Compaction Requirements <sup>1</sup></b>	98% of the materials standard Proctor maximum dry density (ASTM D-698)
<b>Moisture Content – Cohesive Soil</b>	Within the range of optimum moisture content to 3% above optimum moisture content as determined by the standard Proctor test at the time of placement and compaction
<b>Moisture Content – Granular Material</b>	Workable moisture levels <sup>2</sup>
<p>1. We recommend that engineered fill be tested for moisture content and compaction during placement. Should the results of the in-place density tests indicate the specified moisture or compaction limits have not been met, the area represented by the test should be reworked and retested as required until the specified moisture and compaction requirements are achieved.</p> <p>2. Specifically, moisture levels should be maintained low enough to allow for satisfactory compaction to be achieved without the cohesionless fill material pumping when proofrolled.</p>	

### 4.3.2 Construction Considerations

Although the exposed subgrade is anticipated to be relatively stable upon initial exposure, unstable subgrade conditions could develop during general construction operations, particularly if the soils are wetted and/or subjected to repetitive construction traffic. The use of light construction equipment would aid in reducing subgrade disturbance. Should unstable subgrade conditions develop, stabilization measures will need to be employed.

Construction traffic over the completed subgrade should be avoided to the extent practical. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. If the subgrade should become frozen, desiccated, saturated, or disturbed, the affected material should be removed or these materials should be scarified, moisture conditioned, and recompacted.

As a minimum, all temporary excavations should be sloped or braced as required by Occupational Health and Safety Administration (OSHA) regulations to provide stability and safe working conditions. Temporary excavations will probably be required during grading operations. The grading contractor, by his contract, is usually responsible for designing and constructing stable, temporary excavations and should shore, slope or bench the sides of the excavations as required, to maintain stability of both the excavation sides and bottom. All excavations should comply with applicable local, state and federal safety regulations, including the current OSHA Excavation and Trench Safety Standards.

The geotechnical engineer should be retained during the construction phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation; proof-rolling; placement and compaction of controlled compacted fills; backfilling of excavations into the completed subgrade, and just prior to construction of foundations.

### 4.4 Seismic Considerations

Code Used	Site Classification
2006 International Building Code (IBC) <sup>1</sup>	C <sup>2</sup>
<p>1. In general accordance with the <i>2006 International Building Code</i>, Table 1613.5.2. IBC Site Class is based on the characteristics of the upper 100 feet of the subsurface profile.</p> <p>2. The 2006 International Building Code (IBC) requires a site soil profile determination extending a depth of 100 feet for seismic site classification. A 100-foot boring is beyond the scope of this study. The boring performed for this report extended to a maximum depth of 43 feet, and this seismic site class definition assumes that limestone bedrock continues below the maximum depth of the subsurface exploration. Additional exploration to deeper depths would be required to confirm the conditions below the current depth of exploration. Alternatively, a geophysical exploration could be utilized in order to attempt to justify a higher seismic site class.</p>	

## **5.0 GENERAL COMMENTS**

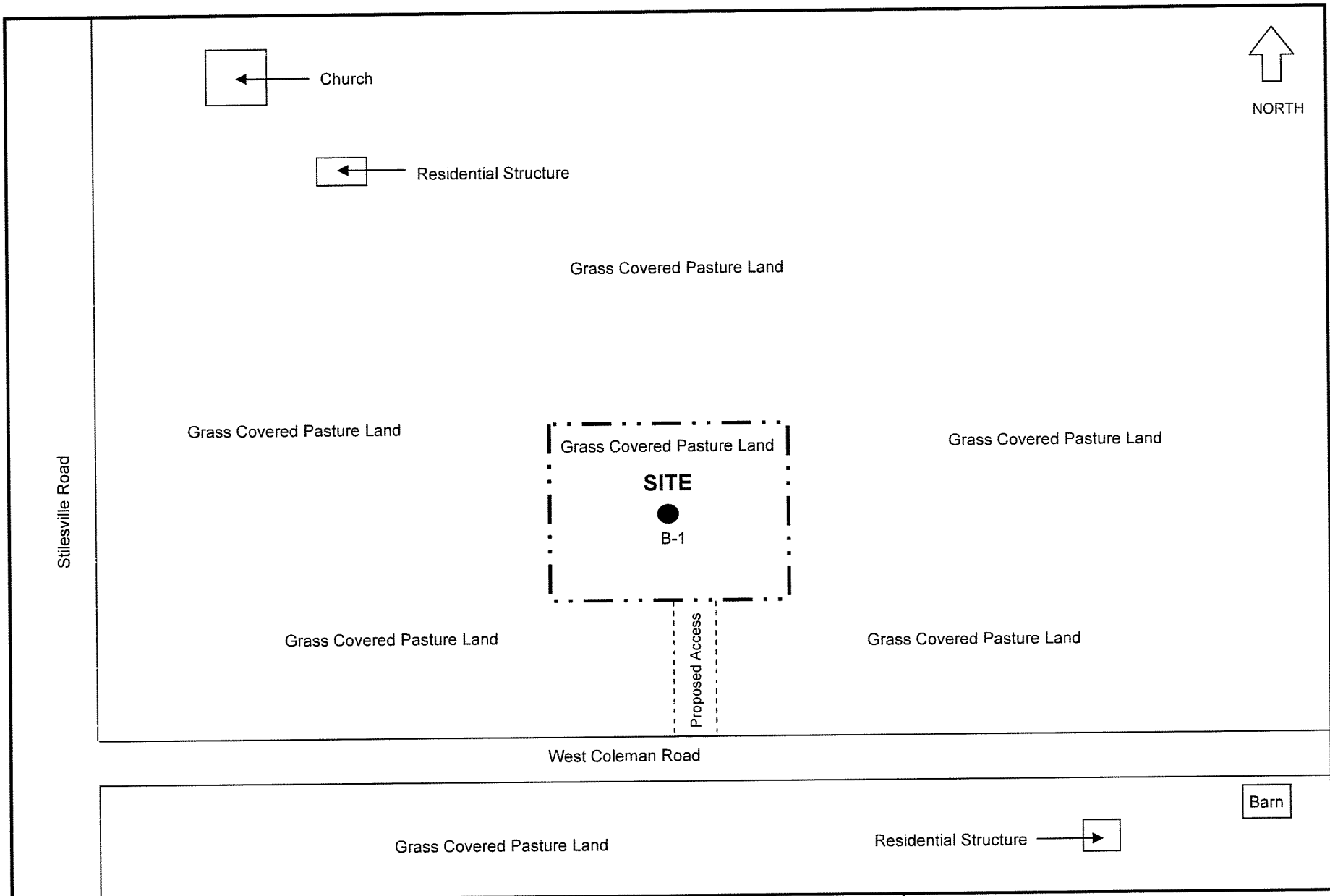
Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide observation and testing services during grading, excavation, foundation construction and other earth-related 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**  
**FIELD AND LABORATORY DATA**



**Figure 1**  
**BORING LOCATION DIAGRAM**  
 SCALE: NTS



**Bluegrass Cellular**  
 952 W. Coleman Road  
 Science Hill, Kentucky  
 PROJECT NO. 57097336



## **Field Exploration**

The boring was drilled at the center of the lease area as staked in the field by the project surveyor. The approximate boring location is shown on the enclosed boring location diagram.

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

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

A field log of the boring was prepared by the drill crew. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the field log and includes modifications based on laboratory observation and tests of the samples.



## **Laboratory Testing**

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

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

## 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	2-3	Soft
1,001 – 2,000	4-7	Medium Stiff
2,001 – 4,000	8-15	Stiff
4,001 – 8,000	16-30	Very Stiff
8,000+	30+	Hard

#### RELATIVE DENSITY OF COARSE-GRAINED SOILS

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

#### RELATIVE PROPORTIONS OF SAND AND GRAVEL

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

#### GRAIN SIZE TERMINOLOGY

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

#### RELATIVE PROPORTIONS OF FINES

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

#### PLASTICITY DESCRIPTION

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



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

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

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

<sup>C</sup>Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

<sup>D</sup>Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

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

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

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

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

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

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

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

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

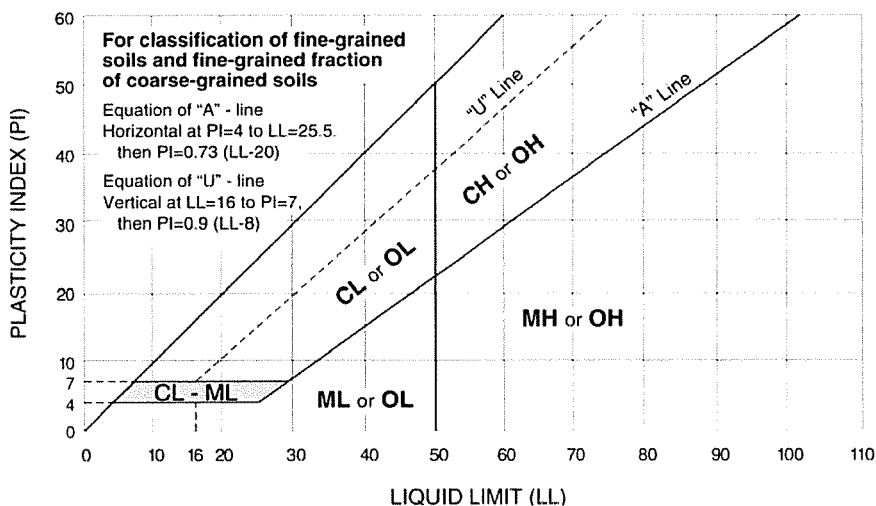
<sup>M</sup>If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

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

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

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

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

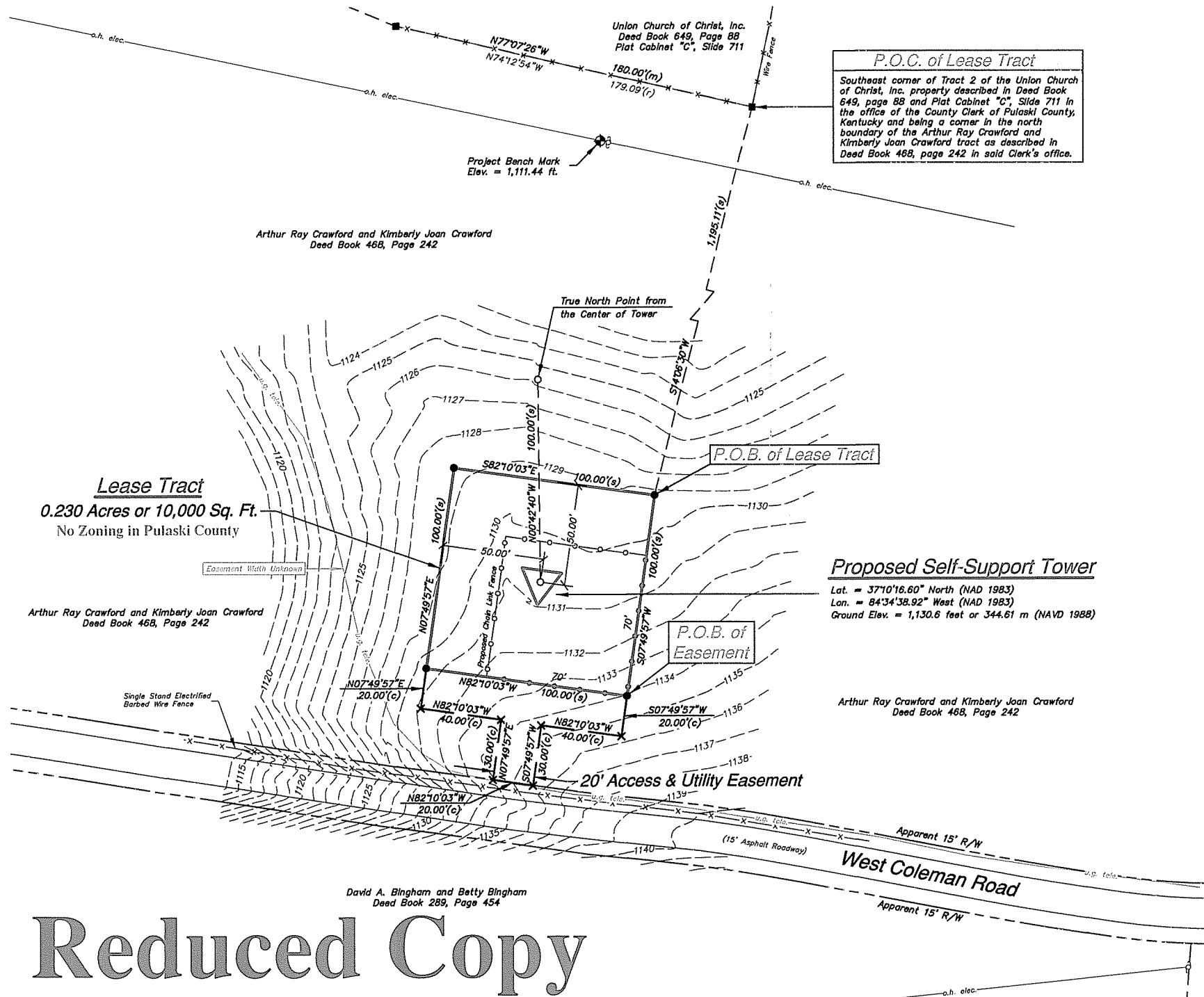


# Site: Dabney II

## Lease Boundary and Topographic Survey

### Pulaski County, Kentucky

True North  
Grid North  
00°42'40"



**P.O.C. of Lease Tract**  
Southeast corner of Tract 2 of the Union Church of Christ, Inc. property described in Deed Book 649, page 88 and Plat Cabinet "C", Slide 711 in the office of the County Clerk of Pulaski County, Kentucky and being a corner in the north boundary of the Arthur Ray Crawford and Kimberly Joan Crawford tract as described in Deed Book 468, page 242 in said Clerk's office.

**P.O.B. of Lease Tract**  
**P.O.B. of Easement**

**Proposed Self-Support Tower**  
Lat. = 37°10'16.60" North (NAD 1983)  
Lon. = 84°34'38.92" West (NAD 1983)  
Ground Elev. = 1,130.6 feet or 344.61 m (NAVD 1988)

#### Lease Boundary and Easement Description

A tract of land that is located on the north side of West Coleman Road about 350 feet easterly of the intersection of said road with the Stilesville Road in the Dabney Community of Pulaski County, Kentucky; said tract being described as follows:

COMMENCING AT the southeast corner of Tract 2 of the Union Church of Christ, Inc. property described in Deed Book 649, page 88 and Plat Cabinet "C", Slide 711 in the office of the County Clerk of Pulaski County, Kentucky and being a corner in the north boundary of the Arthur Ray Crawford and Kimberly Joan Crawford tract as described in Deed Book 468, page 242 in said Clerk's office; said corner being monumented by a railroad tie corner post found exposed 5 feet; thence South 14 degrees 06 minutes 30 seconds West 1,195.11 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 07 degrees 49 minutes 57 seconds West 100.00 feet to a rebar set flush; thence North 82 degrees 10 minutes 03 seconds West 100.00 feet to a rebar set flush; thence North 07 degrees 49 minutes 57 seconds East 100.00 feet to a rebar set flush; thence South 82 degrees 10 minutes 03 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 West Coleman 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 southeast corner of the above-described 0.230-acre lease tract; thence South 07 degrees 49 minutes 57 seconds West 20.00 feet; thence North 82 degrees 10 minutes 03 seconds West 30.00 feet to the north right of way of West Coleman Road (15 feet from the centerline); thence, along said right of way, North 82 degrees 10 minutes 03 seconds West 20.00 feet; thence North 07 degrees 49 minutes 57 seconds East 30.00 feet; thence North 82 degrees 10 minutes 03 seconds West 40.00 feet; thence North 07 degrees 49 minutes 57 seconds East 20.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the southwest corner of the above-described 0.230-acre lease tract; thence South 82 degrees 10 minutes 03 seconds East 100.00 feet to the point of beginning.

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on August 24, 2009 using the National Geodetic Survey monument "KYTH RM 1". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on August 31, 2009. This survey is hereby referenced and made a part of these descriptions.

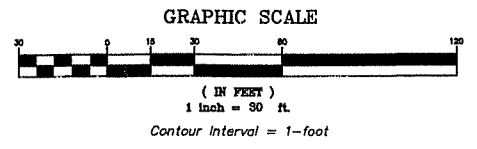
SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Arthur Ray Crawford and Kimberly Joan Crawford on May 4, 1988 in Deed Book 468, page 242 in the office of the County Clerk of Pulaski County, Kentucky.

#### 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 August 24, 2009 by the method of a baseline survey with slidshots. The unadjusted precision ratio of the baseline was 1:54,700 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  
AUGUST 31, 2009  
Date

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



#### Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on August 24, 2009 using the National Geodetic Survey monument "KYTH RM 1" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

#### Tower Location Information

Designation: Dabney II  
Site ID#: None  
Horizontal Datum: NAD 1983 (2007)  
Latitude: 37°10'16.60" North  
Longitude: 84°34'38.92" West  
Vertical Datum: NAVD 1988  
Ground Elevation: 1,130.6 feet (344.61 m)  
State Plane Coordinates  
Northing: 1,947,620.30 feet (593,635.855 m)  
Easting: 1,982,035.66 feet (604,125.677 m)

#### Owner Information

Landowners: Arthur Ray Crawford and Kimberly Joan Crawford  
Address: 580 Stilesville Road  
Science Hill, Kentucky 42553  
Contact Person: Arthur Crawford  
Phone: 606-677-1090 Cell: 606-219-1493  
PVA Map No. 073-0-0-049

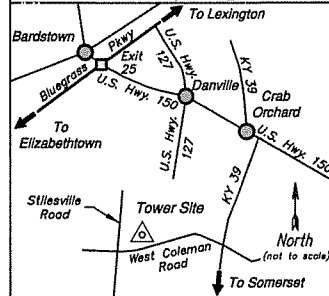
#### Project Bench Mark

Northing: 1,947,637 feet (593,702 m)  
Easting: 1,982,069 feet (604,136 m)  
Elevation: 1,111.44 feet (338.768 m)  
Description: A railroad spike set in the west side of a utility pole, 10' above grade. The bench mark is 219 feet north of the center of the tower.

#### Flood Plain Statement

According to the Flood Insurance Rate Map for Pulaski County, Kentucky, Unincorporated Areas, Community Panel No. 210197 0125 B, dated July 16, 1990, the subject site lies within "Other Areas, Zone X. Areas determined to be outside 500-year flood plain"

#### Vicinity Map



#### Directions to Site

From Elizabethtown, Kentucky: travel east on the Bluegrass Parkway for about 25 miles to Exit 25 and U.S. Highway 150 near Bardstow; turn right onto U.S. Highway 150 and travel southeast, passing through Springfield and Danville, to Kentucky Highway 39 near Crab Orchard; turn right onto Kentucky Highway 39 and travel south for about 21.0 miles to West Coleman Road on the right just before reaching the Dabney Fire Department; turn right onto West Coleman Road and travel west for 0.9 miles to the site on the right in a pasture about 350 feet before reaching Stilesville Road.

**Lease Tract**  
0.230 Acres or 10,000 Sq. Ft.  
No Zoning in Pulaski County

Arthur Ray Crawford and Kimberly Joan Crawford  
Deed Book 468, Page 242

David A. Bingham and Betty Bingham  
Deed Book 289, Page 454

# Reduced Copy

#### 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. Barty Bullock, County Judge Executive of Pulaski County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's office may be contacted at (606) 678-4853 for confirmation.
- The proposed location of the Dabney II cell site will be located outside of an incorporated city.
- The 30-foot right of way shown for West Coleman Road is based upon roadway improvements and information obtained from the Pulaski County Highway Department.

#### Legend

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- Railroad Tie Post Found Exposed 5'
- × Calculated Position - No Monument Found or Set
- Subject Boundaries
- - - New Easement Boundaries
- - - Right of Way
- - - Other Boundaries
- Utility Pole
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

Landmark Surveying Co., Inc.  
15 N.E. 3rd Street  
Washington, Indiana 47501  
(812) 257-0850  
Email: landmar57@msyspokane.net  
Project No. 09-07-0161  
© 2009



Lease Boundary Survey  
952 West Coleman Road  
Science Hill, Kentucky 42553

Bluegrass Cellular  
2902 Ring Road  
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 8-31-09  
DRAWN BY: A. Winkler  
CHECKED BY: D.L. Helms

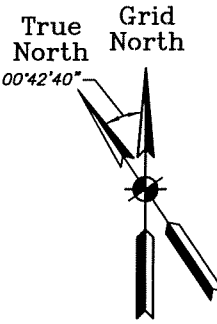
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OF 1 SHEETS  
FILE NO. dabney2.dwg



# Site: Dabney II

## Lease Boundary and Topographic Survey

### Pulaski County, Kentucky



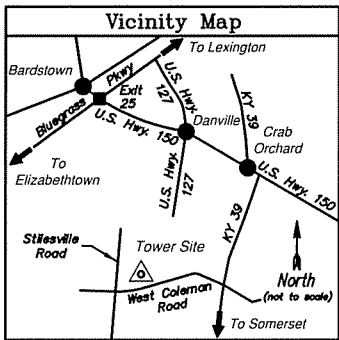
**Basis of Bearings**  
 The bearing system of this survey is based upon G.P.S. observations made on August 24, 2009 using the National Geodetic Survey monument "KYTH RM 1" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

**Tower Location Information**  
 Designation: Dabney II  
 Site ID#: None  
 Horizontal Datum: NAD 1983 (2007)  
 Latitude: 37°10'16.60" North  
 Longitude: 84°34'38.92" West  
 Vertical Datum: NAVD 1988  
 Ground Elevation: 1,130.6 feet (344.61 m)  
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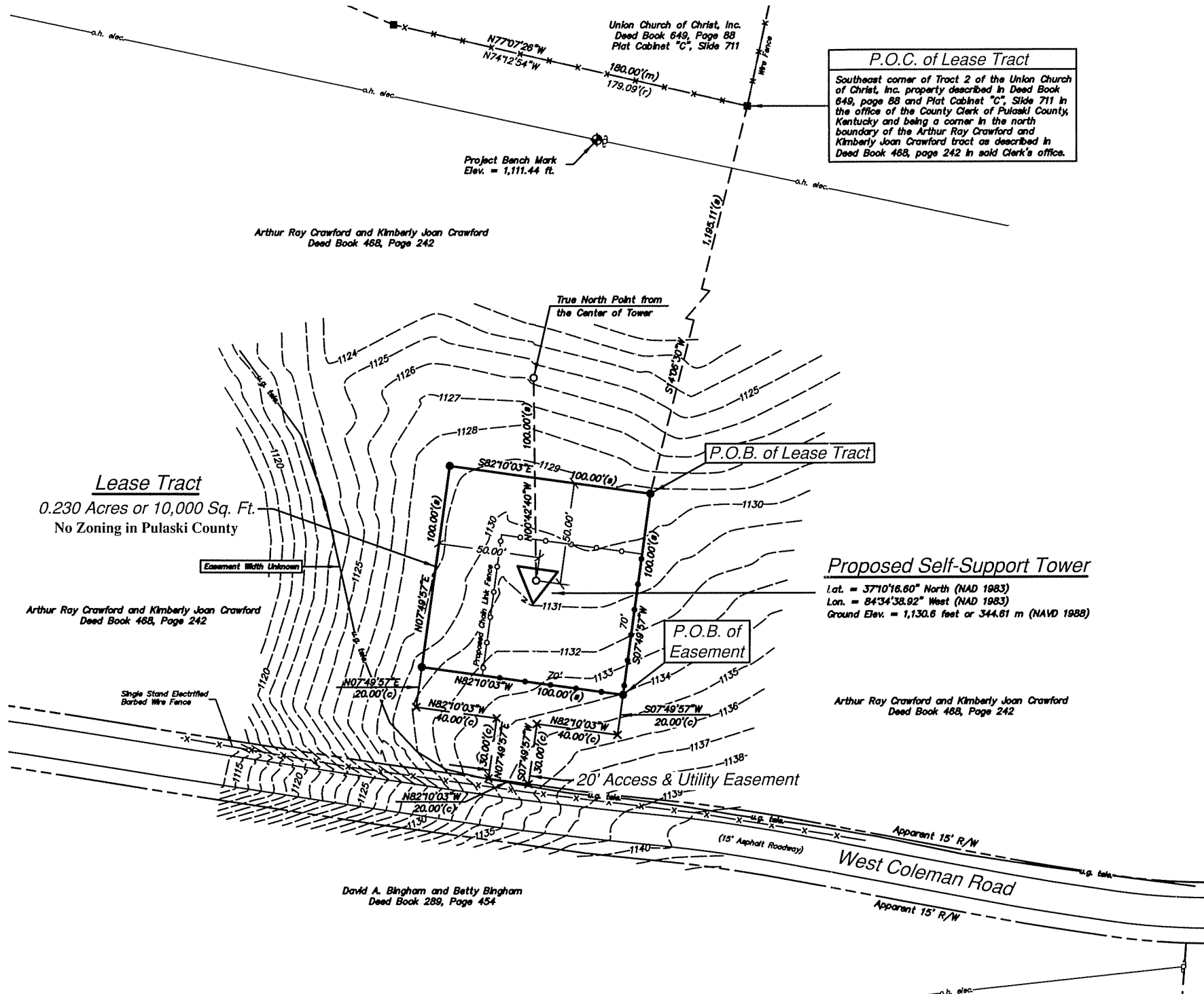
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 Address: 580 Stilesville Road, Science Hill, Kentucky 42553  
 Contact Person: Arthur Crawford  
 Phone: 606-677-1090 Cell: 606-219-1493  
 PVA Map No. 073-0-0-049

**Project Bench Mark**  
 Northing: 1,947,837 feet (593,702 m)  
 Easting: 1,982,069 feet (604,136 m)  
 Elevation: 1,111.44 feet (338.768 m)  
 Description: A railroad spike set in the west side of a utility pole, 10" above grade. The bench mark is 219 feet north of the center of the tower.

**Flood Plain Statement**  
 According to the Flood Insurance Rate Map for Pulaski County, Kentucky, Unincorporated Areas, Community Panel No. 210197 0125 B, dated July 16, 1990, the subject site lies within "Other Areas, Zone X: Areas determined to be outside 500-year flood plain"



**Directions to Site**  
 From Elizabethtown, Kentucky: travel east on the Bluegrass Parkway for about 25 miles to Exit 25 and U.S. Highway 150 near Bardstown; turn right onto U.S. Highway 150 and travel southeast, passing through Springfield and Danville, to Kentucky Highway 39 near Crab Orchard; turn right onto Kentucky Highway 39 and travel south for about 21.0 miles to West Coleman Road on the right just before reaching the Dabney Fire Department; turn right onto West Coleman Road and travel west for 0.9 miles to the site on the right in a pasture about 350 feet before reaching Stilesville Road.



**Surveyor's Notes**

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plot may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
- The topographic information contained on this plot was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Mr. Barty Bullock, County Judge Executive of Pulaski County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's office may be contacted at (606) 678-4853 for confirmation.
- The proposed location of the Dabney II cell site will be located outside of an incorporated city.
- The 30-foot right of way shown for West Coleman Road is based upon roadway improvements and information obtained from the Pulaski County Highway Department.

**Legend**

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- Railroad Tie Post Found Exposed 5"
- X Calculated Position - No Monument Found or Set
- Subject Boundaries
- - - New Easement Boundaries
- - - Right of Way
- - - Other Boundaries
- Utility Pole
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

**Lease Boundary and Easement Description**

A tract of land that is located on the north side of West Coleman Road about 350 feet east of the intersection of said road with the Stilesville Road in the Dabney Community of Pulaski County, Kentucky; said tract being described as follows:

COMMENCING AT the southeast corner of Tract 2 of the Union Church of Christ, Inc. property described in Deed Book 649, page 88 and Plat Cabinet "C", Slide 711 in the office of the County Clerk of Pulaski County, Kentucky and being a corner in the north boundary of the Arthur Ray Crawford and Kimberly Joan Crawford tract as described in Deed Book 468, page 242 in said Clerk's office; said corner being monumented by a railroad tie corner post found exposed 5 feet; thence South 14 degrees 06 minutes 30 seconds West 1,195.11 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 07 degrees 49 minutes 57 seconds West 100.00 feet to a rebar set flush; thence North 82 degrees 10 minutes 03 seconds West 100.00 feet to a rebar set flush; thence North 07 degrees 49 minutes 57 seconds East 100.00 feet to a rebar set flush; thence South 82 degrees 10 minutes 03 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 West Coleman 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 southeast corner of the above-described 0.230-acre lease tract; thence South 07 degrees 49 minutes 57 seconds West 20.00 feet; thence North 82 degrees 10 minutes 03 seconds West 40.00 feet; thence South 07 degrees 49 minutes 57 seconds West 30.00 feet to the north right of way of West Coleman Road (15 feet from the centerline); thence, along said right of way, North 82 degrees 10 minutes 03 seconds West 20.00 feet; thence North 07 degrees 49 minutes 57 seconds East 30.00 feet; thence North 82 degrees 10 minutes 03 seconds West 40.00 feet; thence North 07 degrees 49 minutes 57 seconds East 20.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the southwest corner of the above-described 0.230-acre lease tract; thence South 82 degrees 10 minutes 03 seconds East 100.00 feet to the point of beginning.

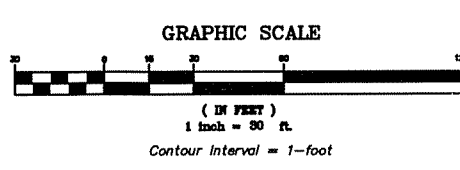
The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on August 24, 2009 using the National Geodetic Survey monument "KYTH RM 1". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on August 31, 2009. This survey is hereby referenced and made a part of these descriptions.

SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Arthur Ray Crawford and Kimberly Joan Crawford on May 4, 1988 in Deed Book 468, page 242 in the office of the County Clerk of Pulaski 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 August 24, 2009 by the method of a baseline survey with sideshots. The unadjusted precision ratio of the baseline was 1:54,700 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

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



Landmark Surveying Co., Inc.  
 15 N.E. 3rd Street  
 Washington, Indiana 47501  
 (812) 297-0850  
 Email: landmark@landmarksurvey.com  
 Project No. 09-07-0161

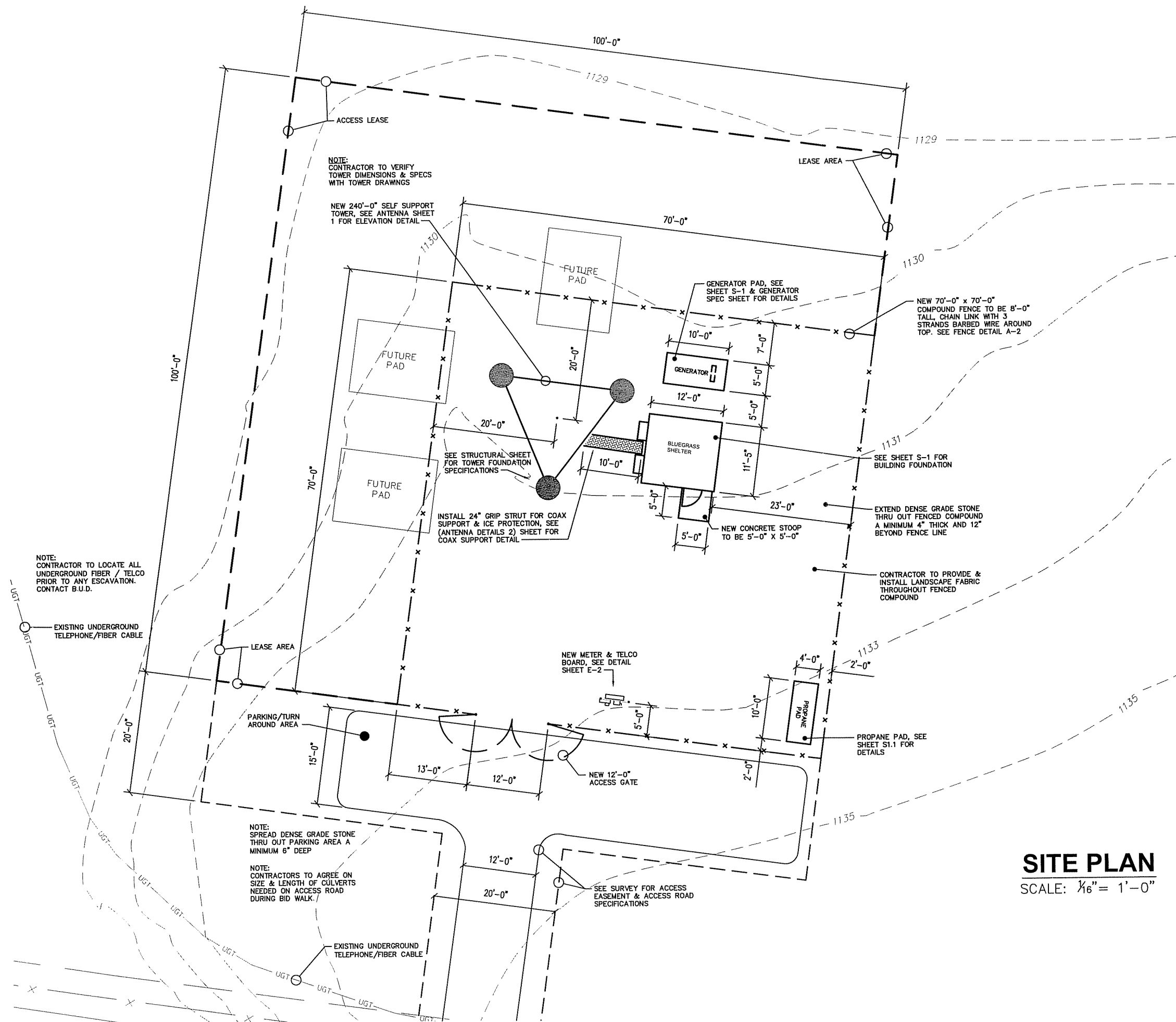
Lease Boundary Survey  
 952 West Coleman Road  
 Science Hill, Kentucky 42553

Bluegrass Cellular  
 2902 Ring Road  
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 8-31-09  
 DRAWN BY: A. Winkler  
 CHECKED BY: D.L. Helms

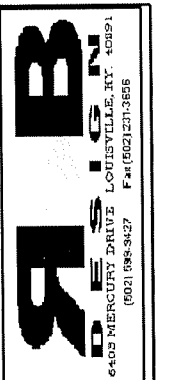
SHEET NO. 1 OF 1 SHEETS  
 FILE NO. dabney2.dwg



**GENERAL NOTES:**

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

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



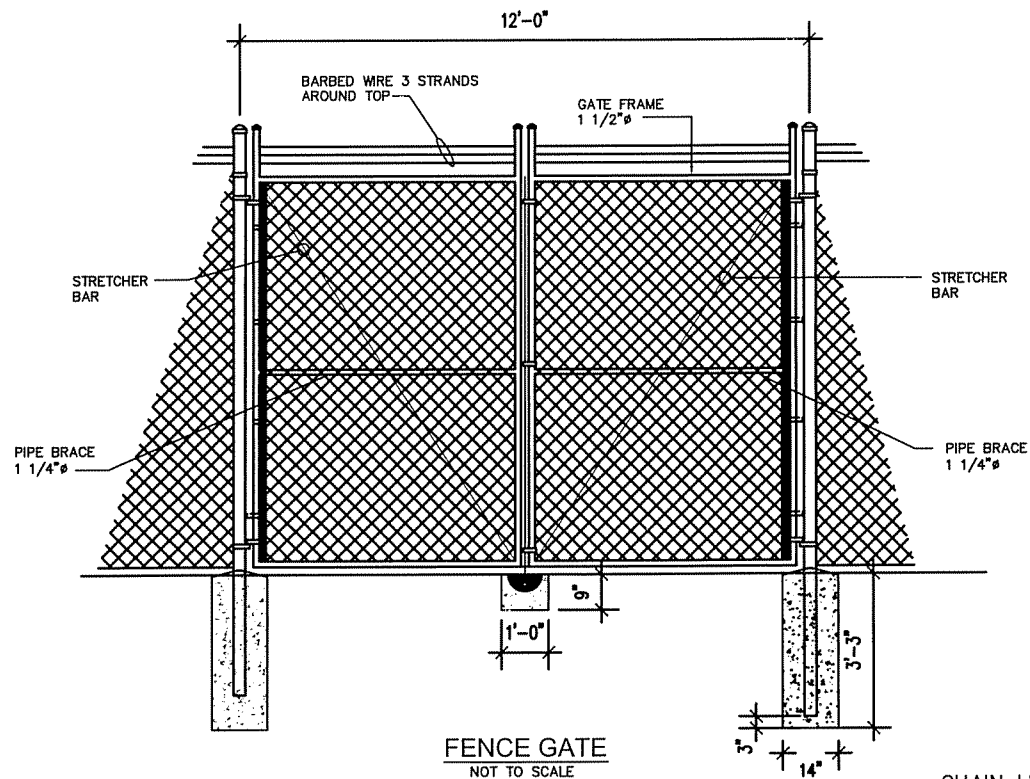
NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

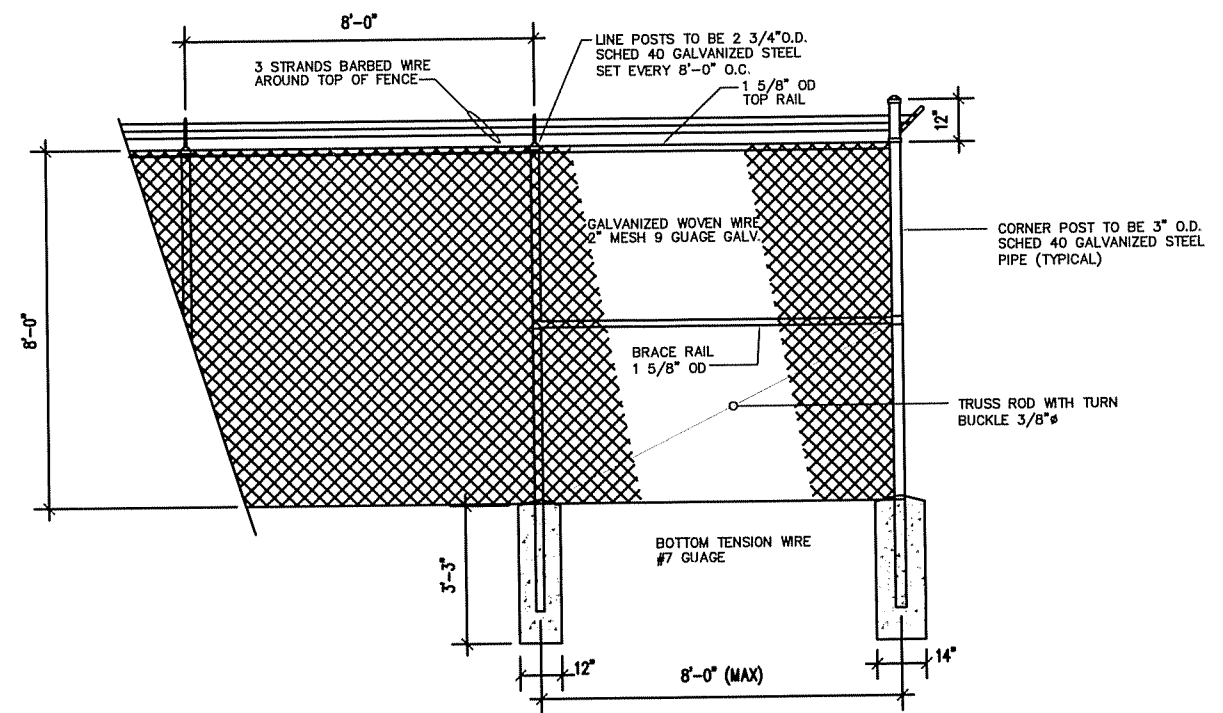
DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED  
SHEET NUMBER

A-1





FENCE GATE  
NOT TO SCALE

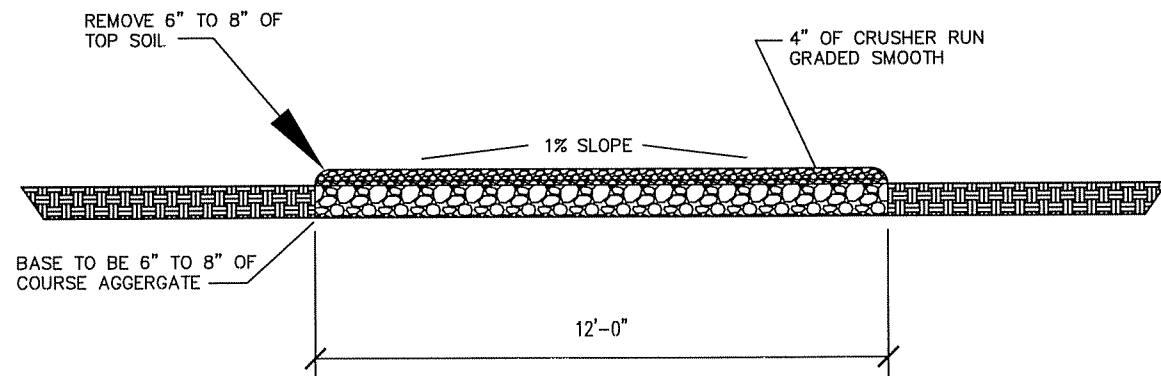


FENCE DETAIL END POLES

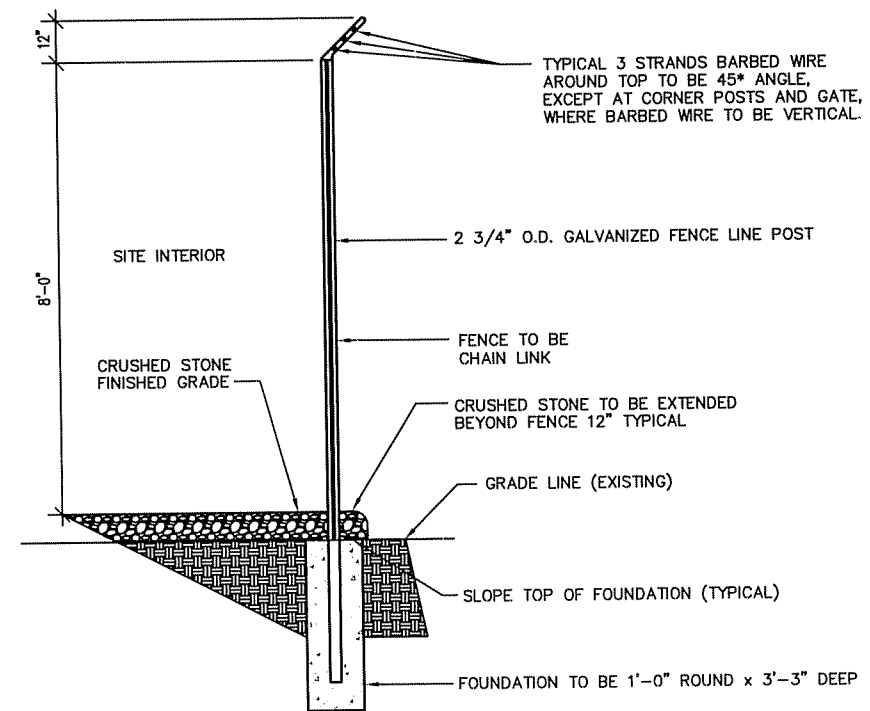
NOT TO SCALE

**CHAIN LINK FENCING NOTES:**

- 1 **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
- 2 **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.
- 3 **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".
- 4 **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".
- 5 **EXTENSION ARMS:** CAST STEEL GALVANIZED TO ACCOMODATE 3 STRANDS OF BARB WIRE, SINGLE ARM SLOPED TO 45°, AND VERTICAL ON TOP OF SWING GATES.
- 6 **BARBED WIRE (STEEL):** ASTM A121 GALVINIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS 4 POINTS AT 3" O.C.
- 7 **SWING GATE POSTS:** SHALL BE 3" O.C. STANDARD HOT GALVINIZED, WEIGHING 5.79 LBS. PER FOOT.
- 8 **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.
- 9 **FENCE TO BE 100% ERECTED WITHIN TEN(10) DAYS OF COMPLETION OF CONSTRUCTION, IF TIME FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT SUPERVISOR.**

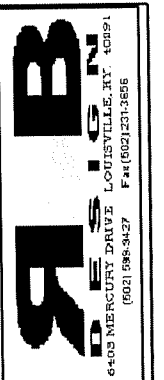


ROAD DETAIL  
NOT TO SCALE



FENCE DETAIL LINE POLES

NOT TO SCALE



REVISION

NO. DATE

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED

SHEET NUMBER

A-2



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

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

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

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

LINES ARE TO BE SECURED TO ICE BRIDGE

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

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED. INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

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

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

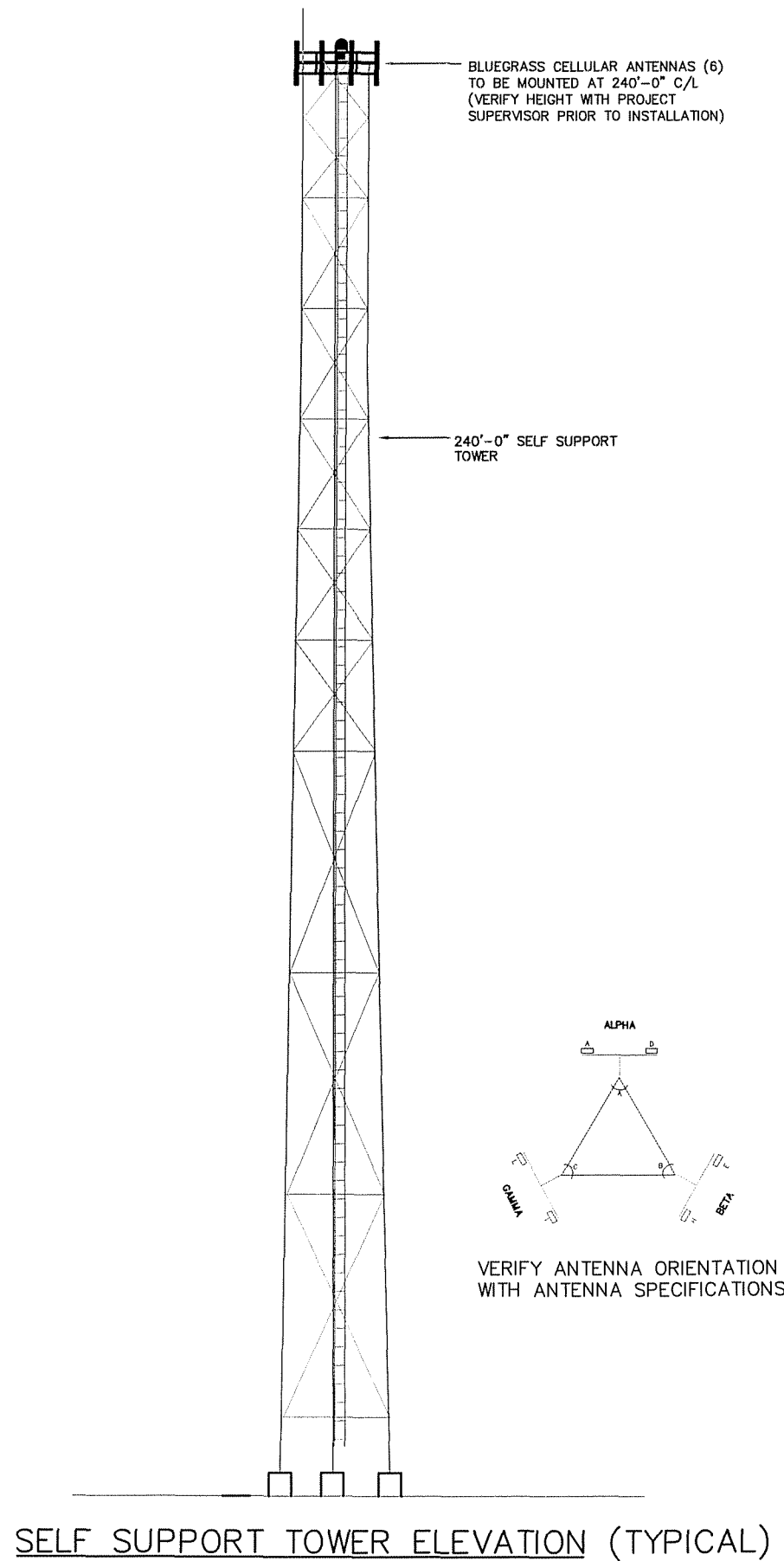
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

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

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET

## BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



### TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

### ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	59200 X,Y 48200 Z	L=78.6 W=10.3 D=4.6	6	25*, 210*, 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

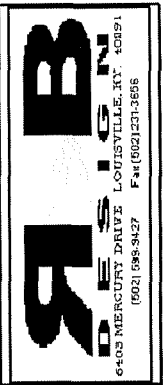
	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

### DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

### ANTENNA SYNOPSIS

- \* ANTENNAS TO HAVE A 2\*E
- \* ANTENNA FREQUENCY 1977.50 - 1982.50

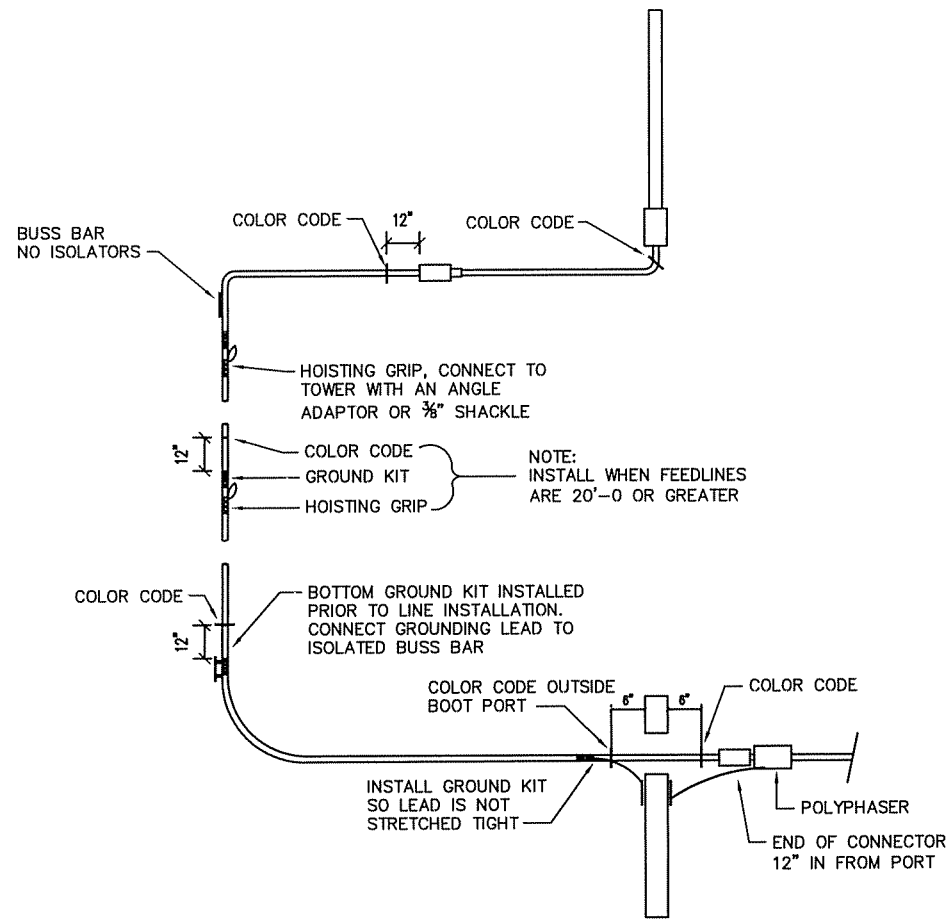


NO.	DATE	REVISION

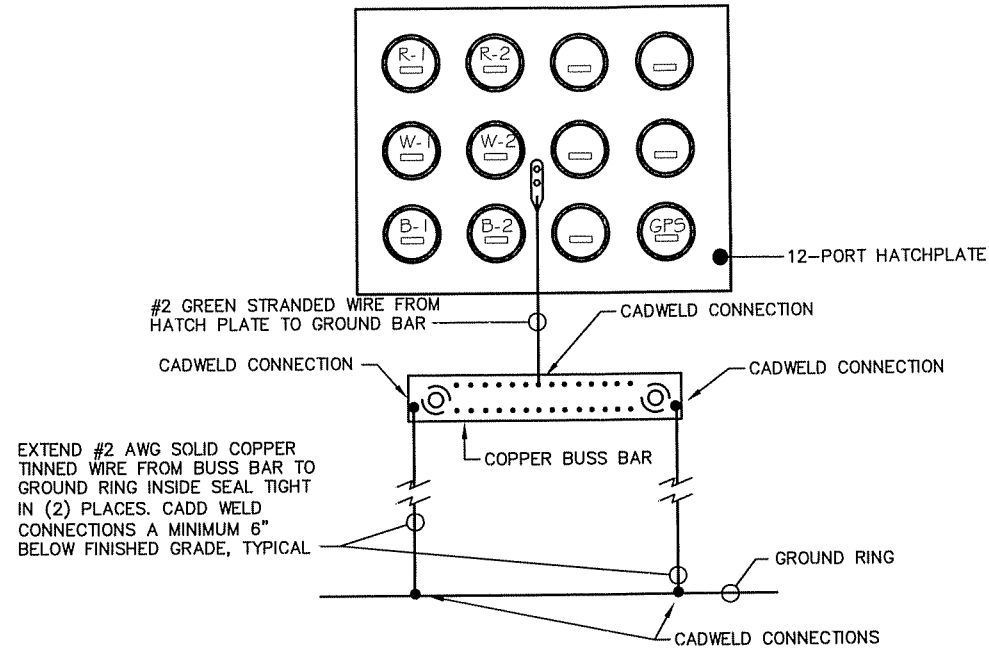
BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED

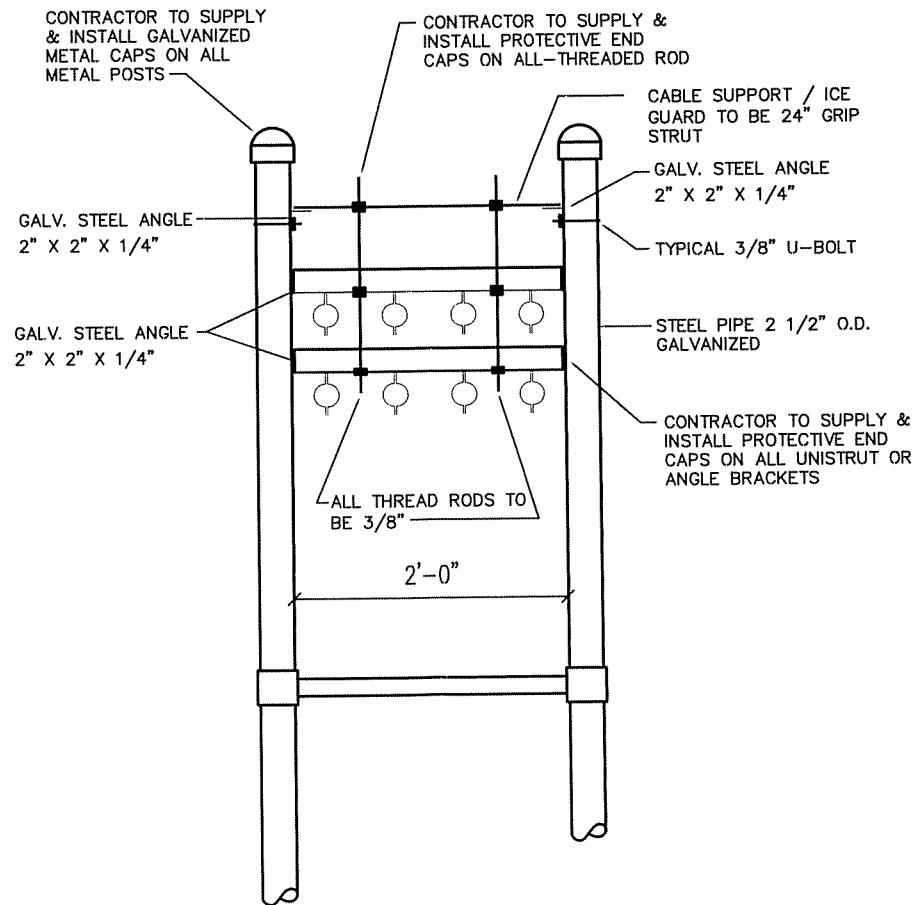
SHEET NUMBER  
**ANTENNA DETAILS**  
1



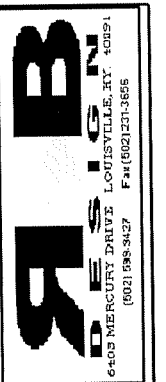
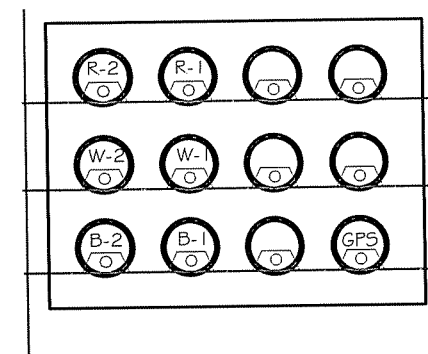
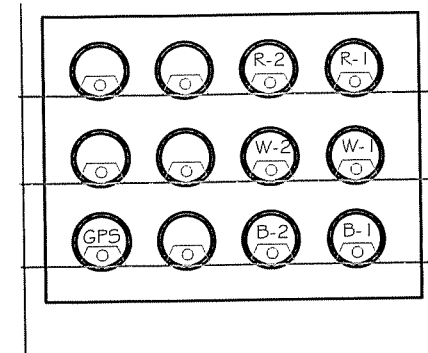
**COLOR CODING DETAIL**  
NO SCALE



**BOOT PORT GROUNDING DETAIL**  
NO SCALE



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

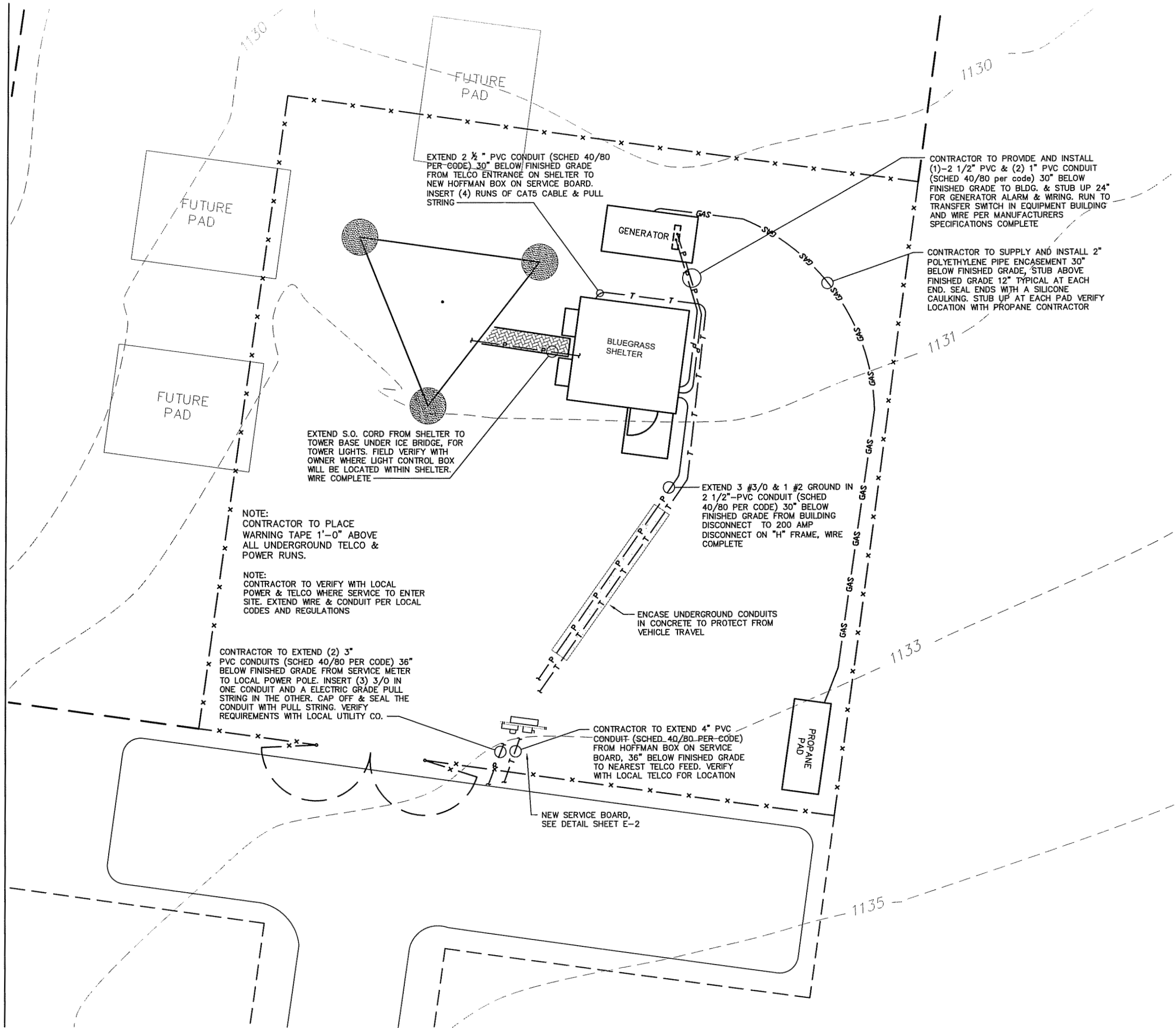


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED

SHEET NUMBER  
ANTENNA DETAILS  
2



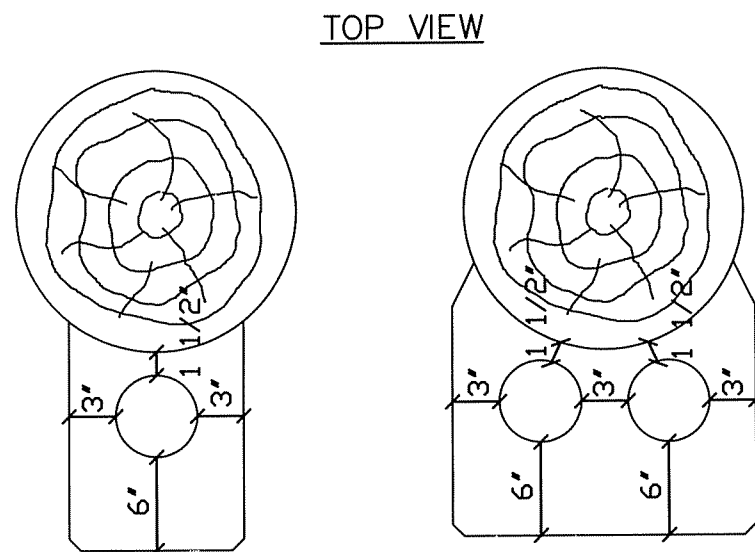
- GENERAL ELECTRICAL NOTES:**
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
  - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN 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.
  - 11) IF CONDUIT RUNS BURIED LESS THAN REQUIRED DEPTHS, CONTACT BLUEGRASS CELLULAR FOR FURTHER INSTRUCTIONS
- NOTE:**  
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS. (TAKE PICTURES)

**SYMBOLS LEGEND**

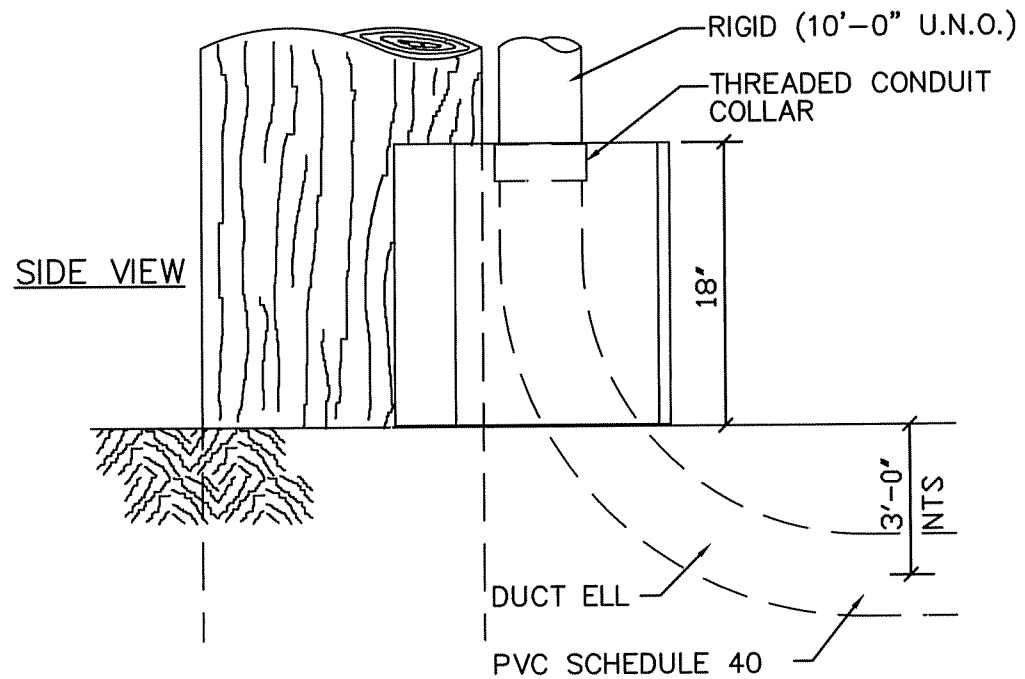
—P—	POWER
—G—	GAS
—T—	TELEPHONE
—X—	FENCE
⊞	SWITCH (DISCONNECT)
⊞	METER PACK

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

		BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE <b>DABNEY</b> 952 W. COLEMAN RD. SCIENCE HILL, KY. 42553	
		DRAWN BY: R. BECKER ISSUE DATE: 9-04-09 SCALE: LISTED	SHEET NUMBER <b>E-1</b>



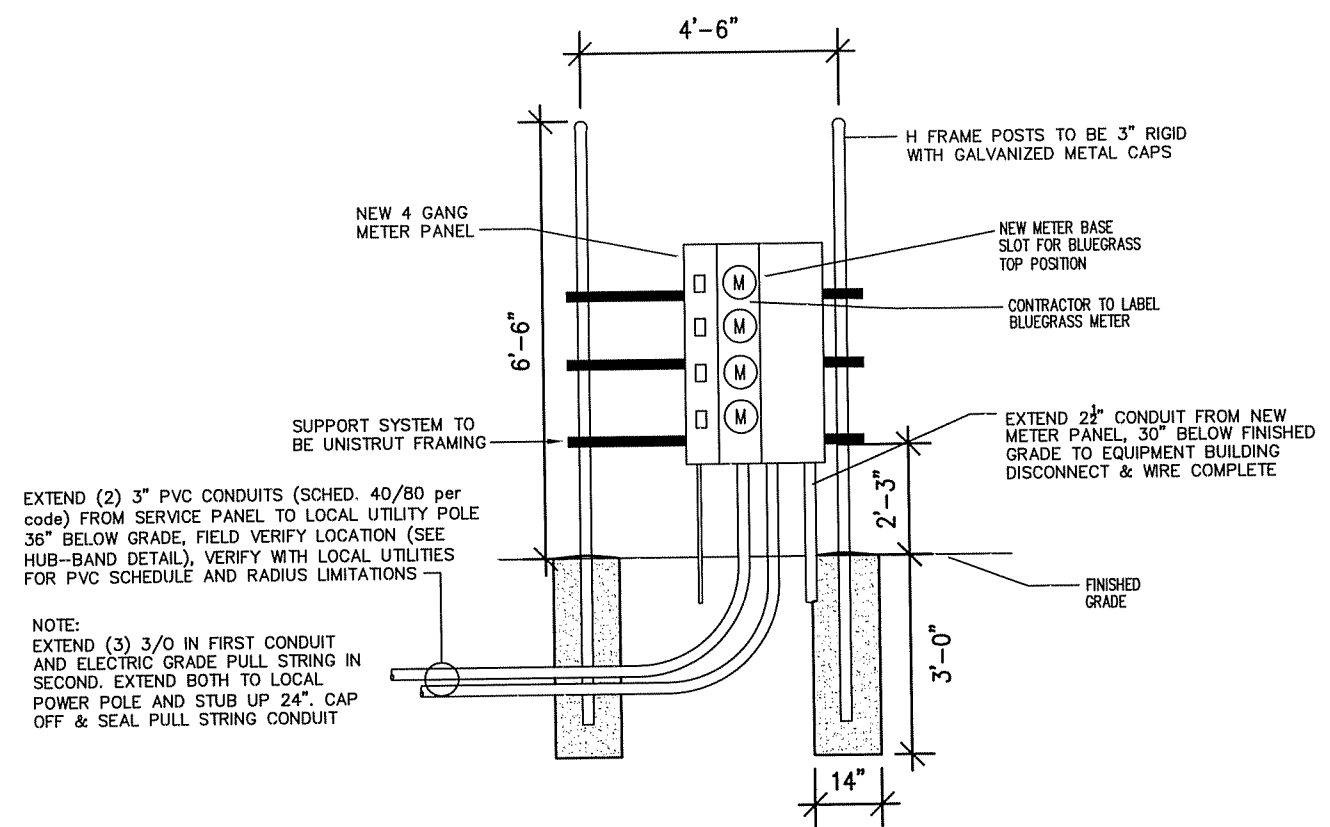
TOP VIEW



SIDE VIEW

HUB-BAND DETAIL

NO SCALE

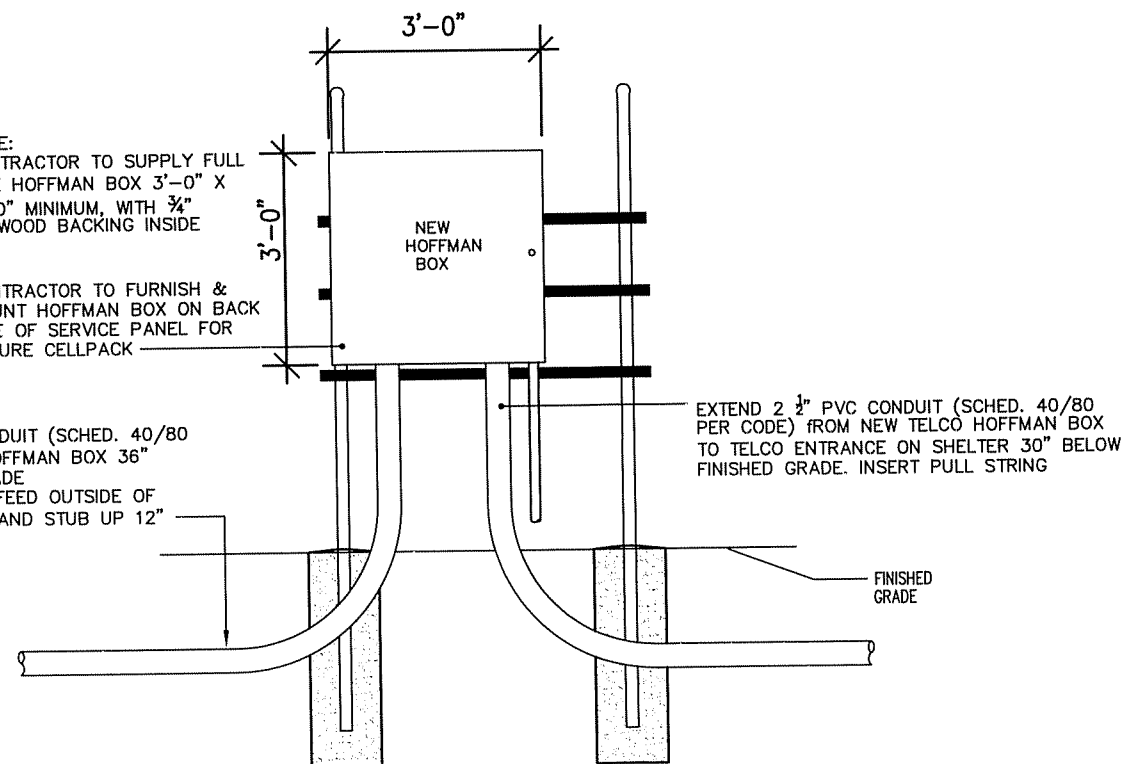


SERVICE BOARD DETAIL

NO SCALE

EXTEND (2) 3" PVC CONDUITS (SCHED. 40/80 per code) FROM SERVICE PANEL TO LOCAL UTILITY POLE 36" BELOW GRADE, FIELD VERIFY LOCATION (SEE HUB-BAND DETAIL), VERIFY WITH LOCAL UTILITIES FOR PVC SCHEDULE AND RADIUS LIMITATIONS

NOTE:  
EXTEND (3) 3/0 IN FIRST CONDUIT AND ELECTRIC GRADE PULL STRING IN SECOND. EXTEND BOTH TO LOCAL POWER POLE AND STUB UP 24". CAP OFF & SEAL PULL STRING CONDUIT



BACKBOARD DETAIL

NO SCALE

NOTE:  
CONTRACTOR TO SUPPLY FULL SIZE HOFFMAN BOX 3'-0" X 3'-0" MINIMUM, WITH 3/4" PLYWOOD BACKING INSIDE

CONTRACTOR TO FURNISH & MOUNT HOFFMAN BOX ON BACK SIDE OF SERVICE PANEL FOR FUTURE CELLPACK

EXTEND 4" PVC CONDUIT (SCHED. 40/80 PER CODE) FROM HOFFMAN BOX 36" BELOW FINISHED GRADE TO EXISTING TELCO FEED OUTSIDE OF FENCED COMPOUND AND STUB UP 12"

EXTEND 2 1/2" PVC CONDUIT (SCHED. 40/80 PER CODE) FROM NEW TELCO HOFFMAN BOX TO TELCO ENTRANCE ON SHELTER 30" BELOW FINISHED GRADE. INSERT PULL STRING

R.B.

6403 MERCURY DRIVE  
 LOUISVILLE, KY. 40291  
 Fax (502) 231-3656

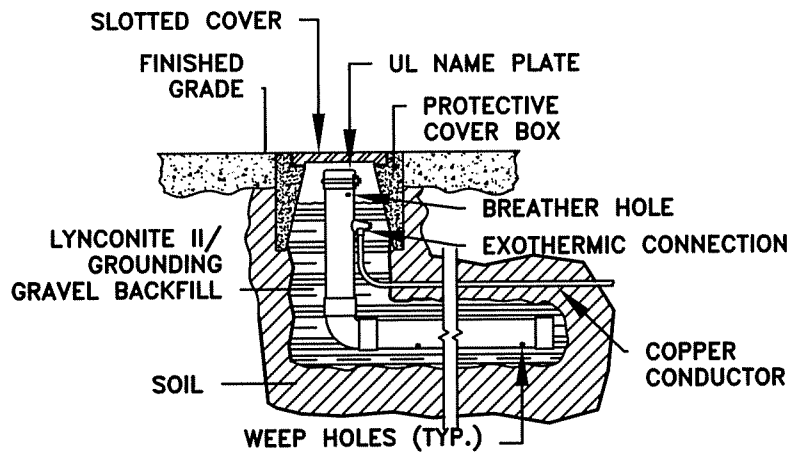
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
 STANDARD CELLULAR SITE  
**DABNEY**

952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

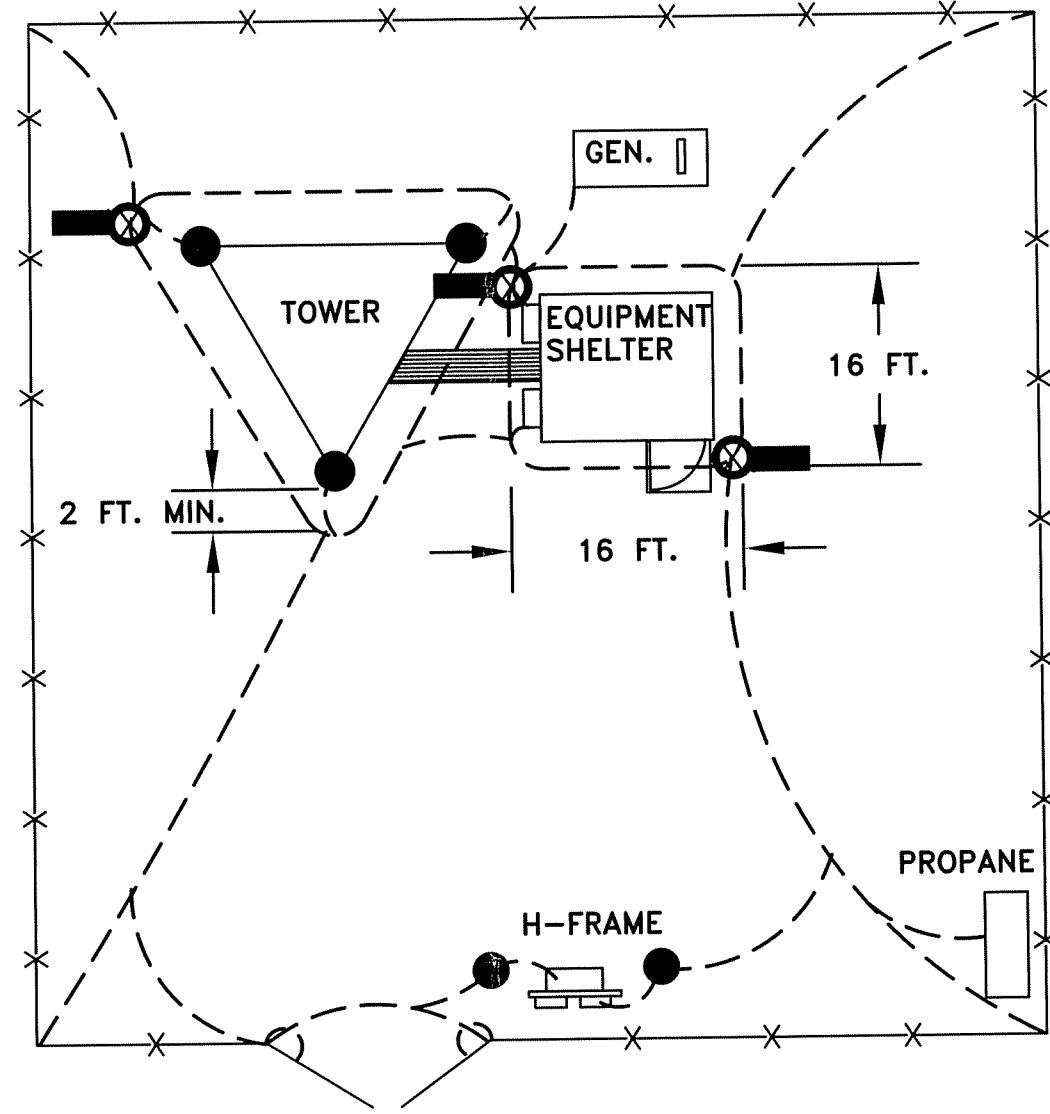
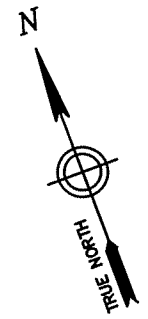
DRAWN BY: R. BECKER	ISSUE DATE: 9-04-09	SCALE: LISTED
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E-2



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

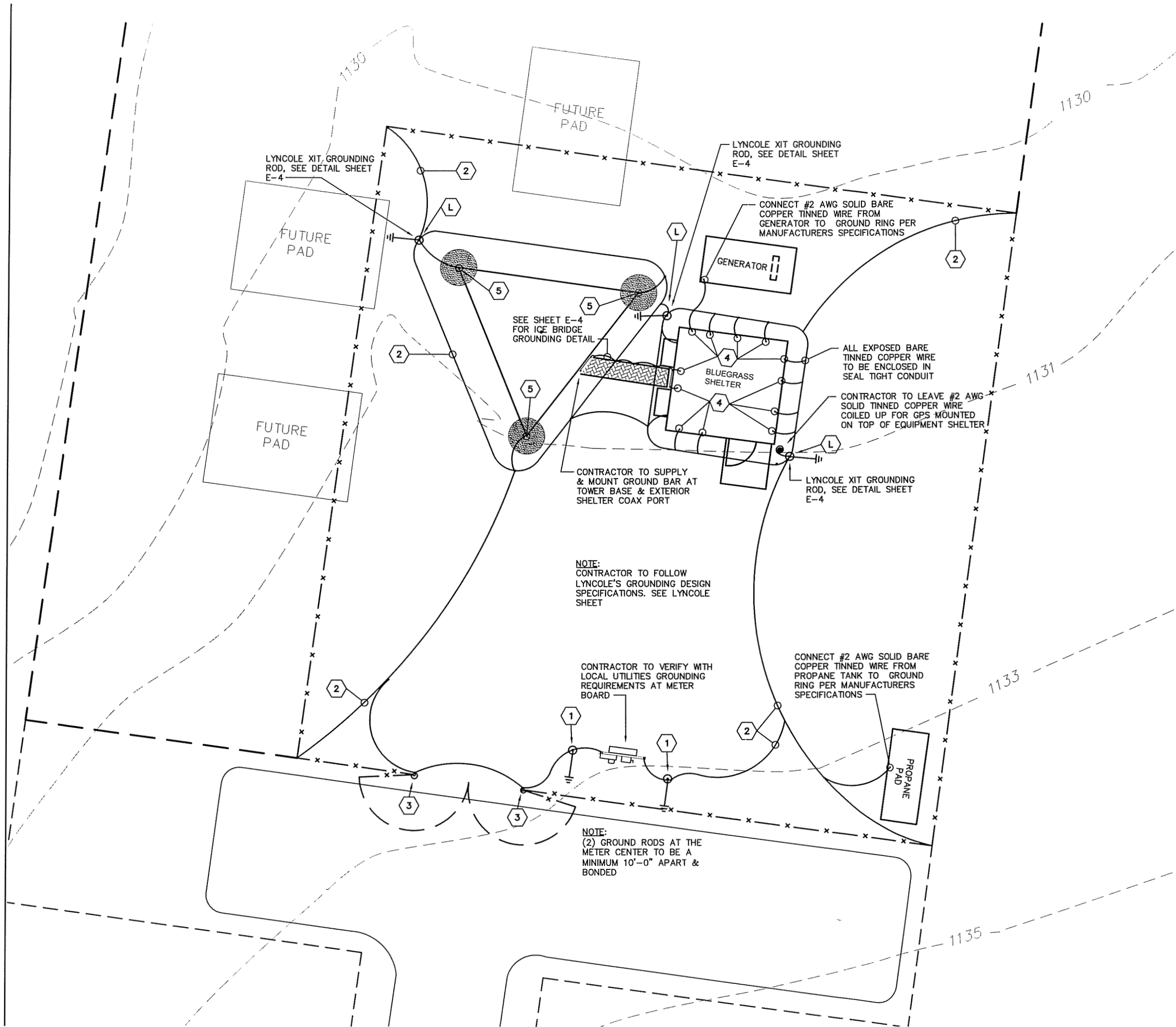
**DETAIL**



**NOTES:**

- X — FENCE LINE
- - - - BARE #2 AWG TINNED SOLID COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE  
ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
- ⊗ K2L-10CS (SEE DETAIL)
- 3/4 IN. X 10 FT. COPPER CLAD DRIVEN ROD

		CLIENT / END USER <b>BLUEGRASS CELLULAR</b>	
		DRAWING 1	PROJECT NAME <b>DABNEY II</b>
TECHNICAL SERVICES 3547 VOYAGER STREET, SUITE 204 TORRANCE, CA. 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		TITLE <b>GROUNDING OPTION</b>	
SOIL DATA PROVIDED BY <b>TERRACON</b>		LOCATION: CITY, STATE <b>SCIENCE HILL, KY</b>	CALCULATED RESISTANCE <b>&lt; 5 OHMS</b>
DRAWN BY <b>BBD</b>	APPROVED BY	DATE <b>9/9/09</b>	
REFERENCE NUMBER <b>N/A</b>	SCALE <b>NONE</b>	LTS NUMBER <b>090164</b>	



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

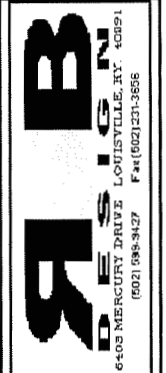
**NOTE:**  
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED AT 9" BELOW GRADE.

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

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

**SITE PLAN-GROUNDED**

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

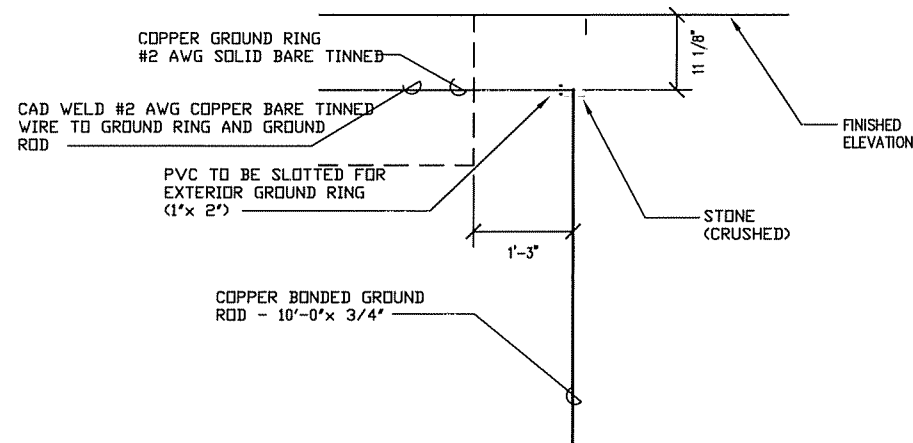


NO.	DATE	REVISION

**BLUEGRASS CELLULAR, INC.**  
**STANDARD CELLULAR SITE**  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

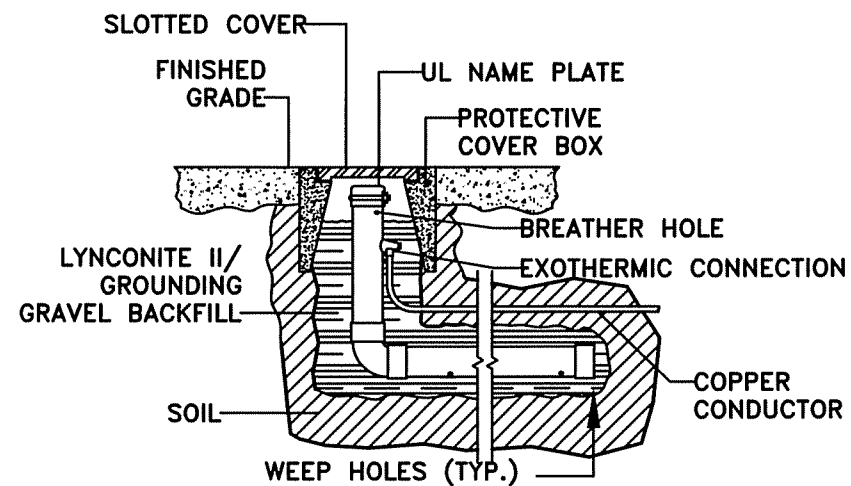
DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED

SHEET NUMBER  
E-3



### GROUND ROD DETAIL

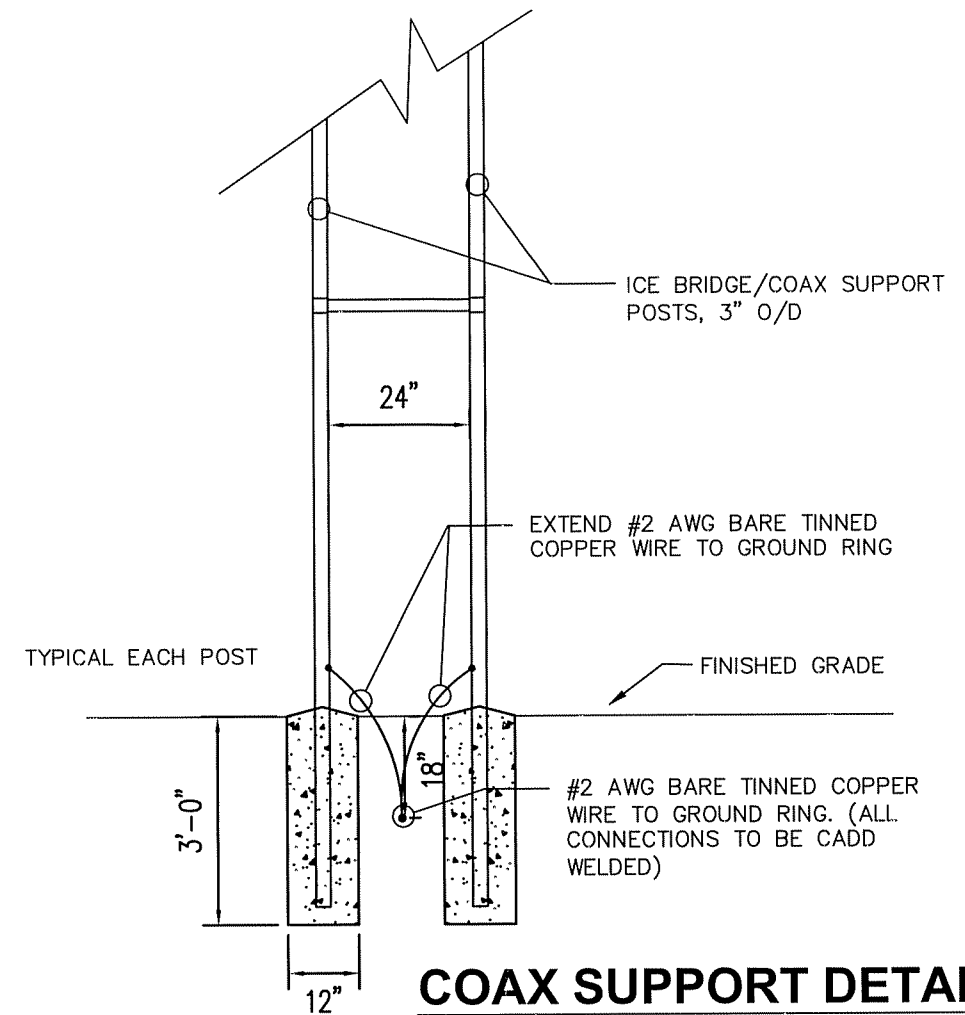
NO SCALE



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

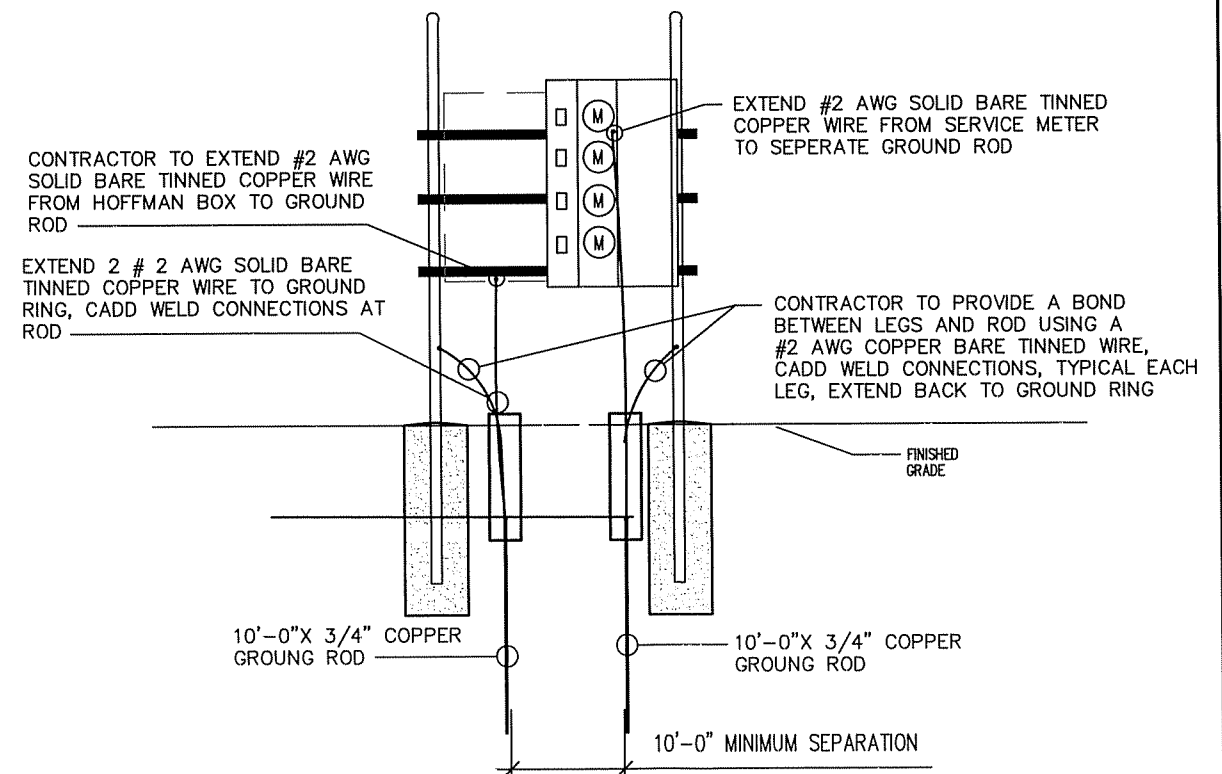
### LYNCOLE XIT ROD DETAIL

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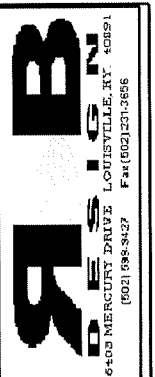
### COAX SUPPORT DETAIL

NO SCALE



### SERVICE BOARD DETAIL

NO SCALE

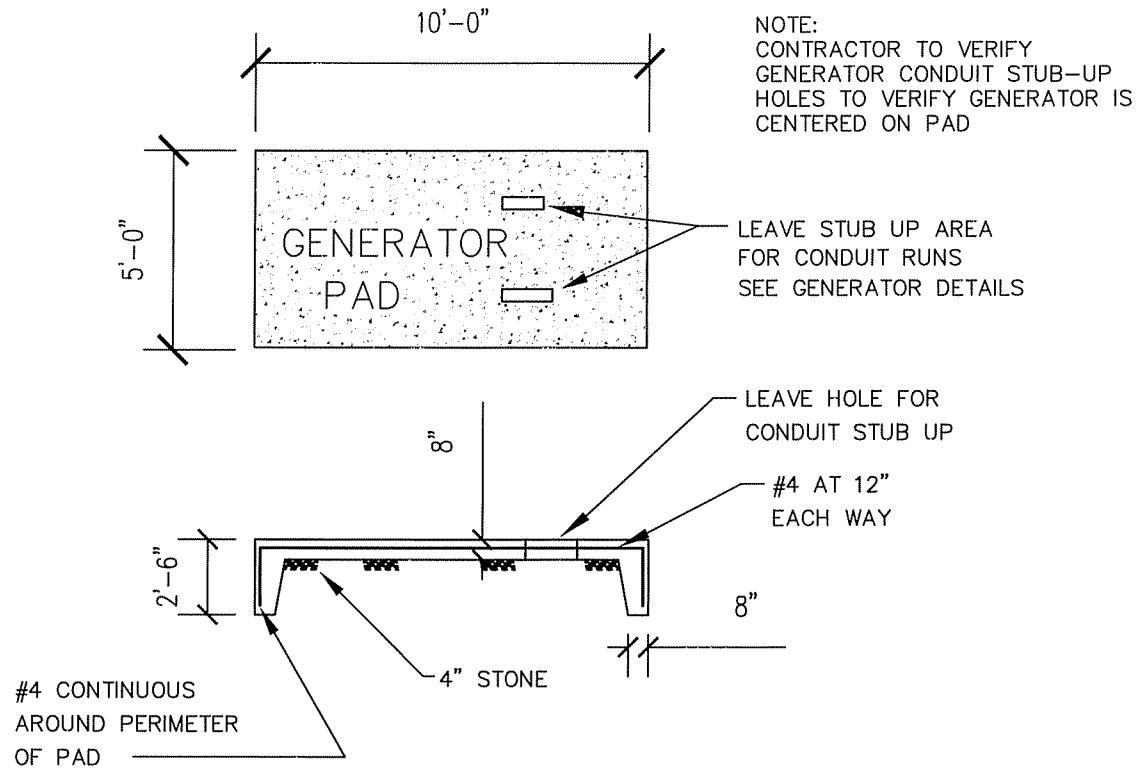


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

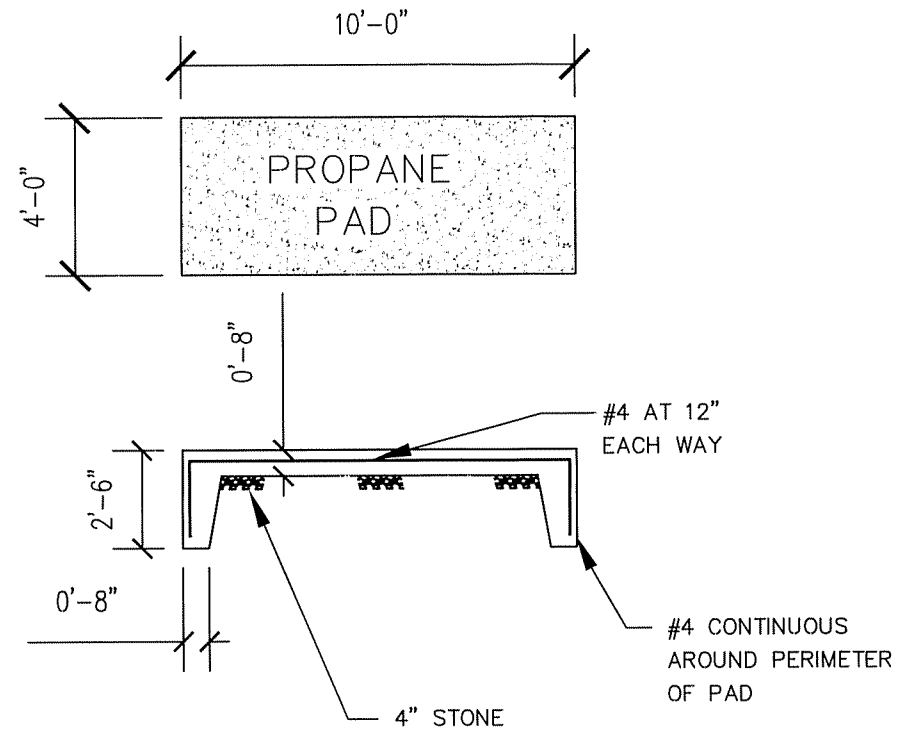
DRAWN BY: R. BECKER	ISSUE DATE: 9-04-09	SCALE: LISTED
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SHEET NUMBER  
E-4



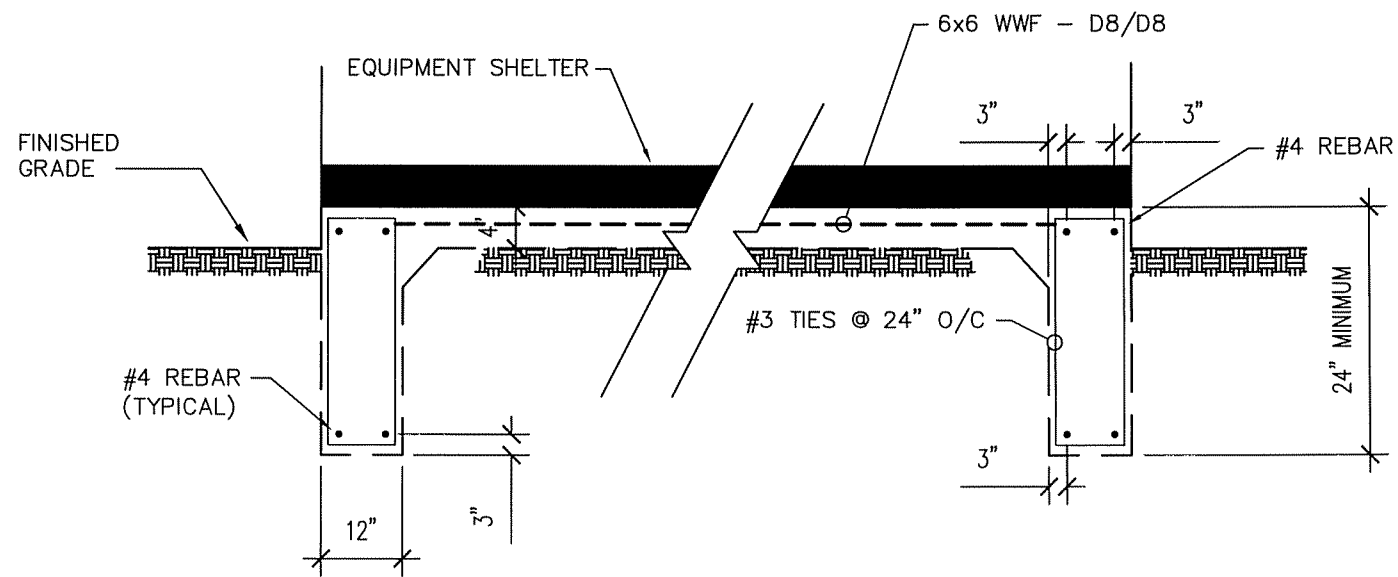
**FOUNDATION DETAIL**

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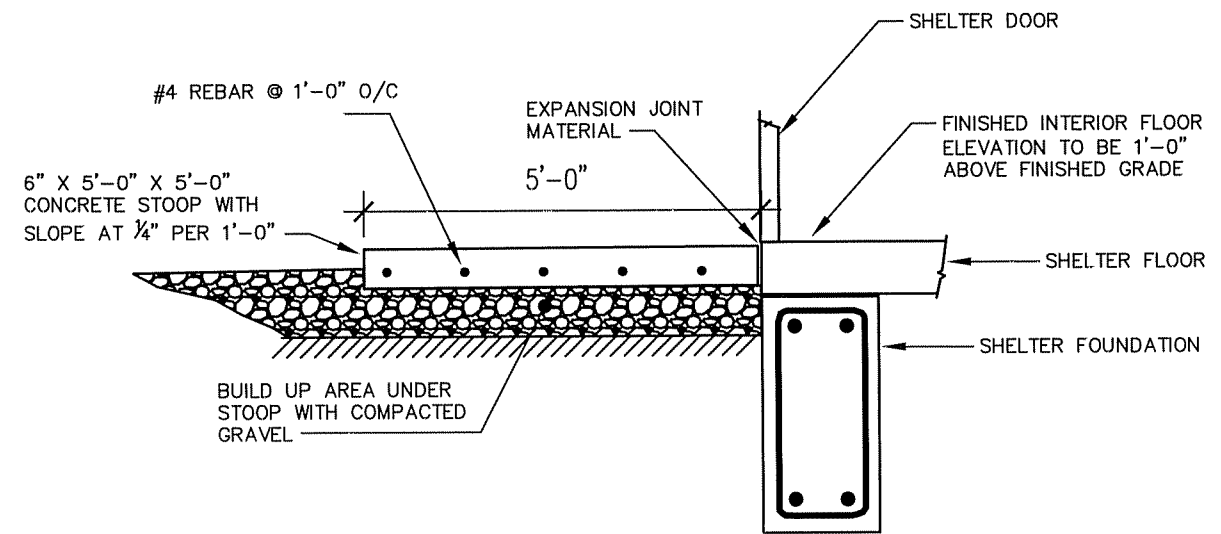
**FOUNDATION DETAIL**

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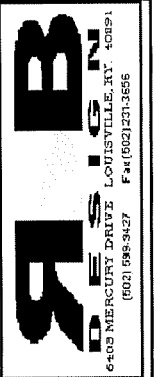
**SHELTER FOUNDATION PLAN**

NO SCALE



**CONCRETE STOOP DETAIL**

NO SCALE



BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE

NO.	DATE	REVISION

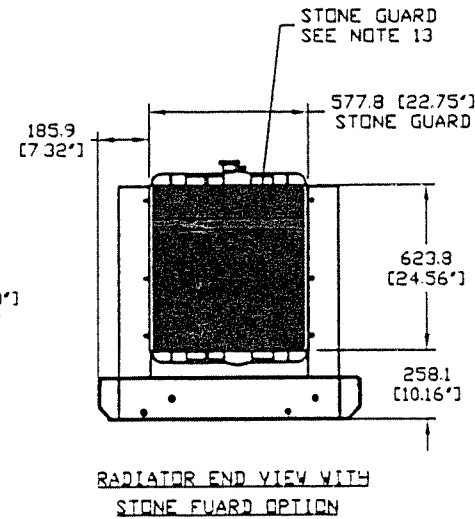
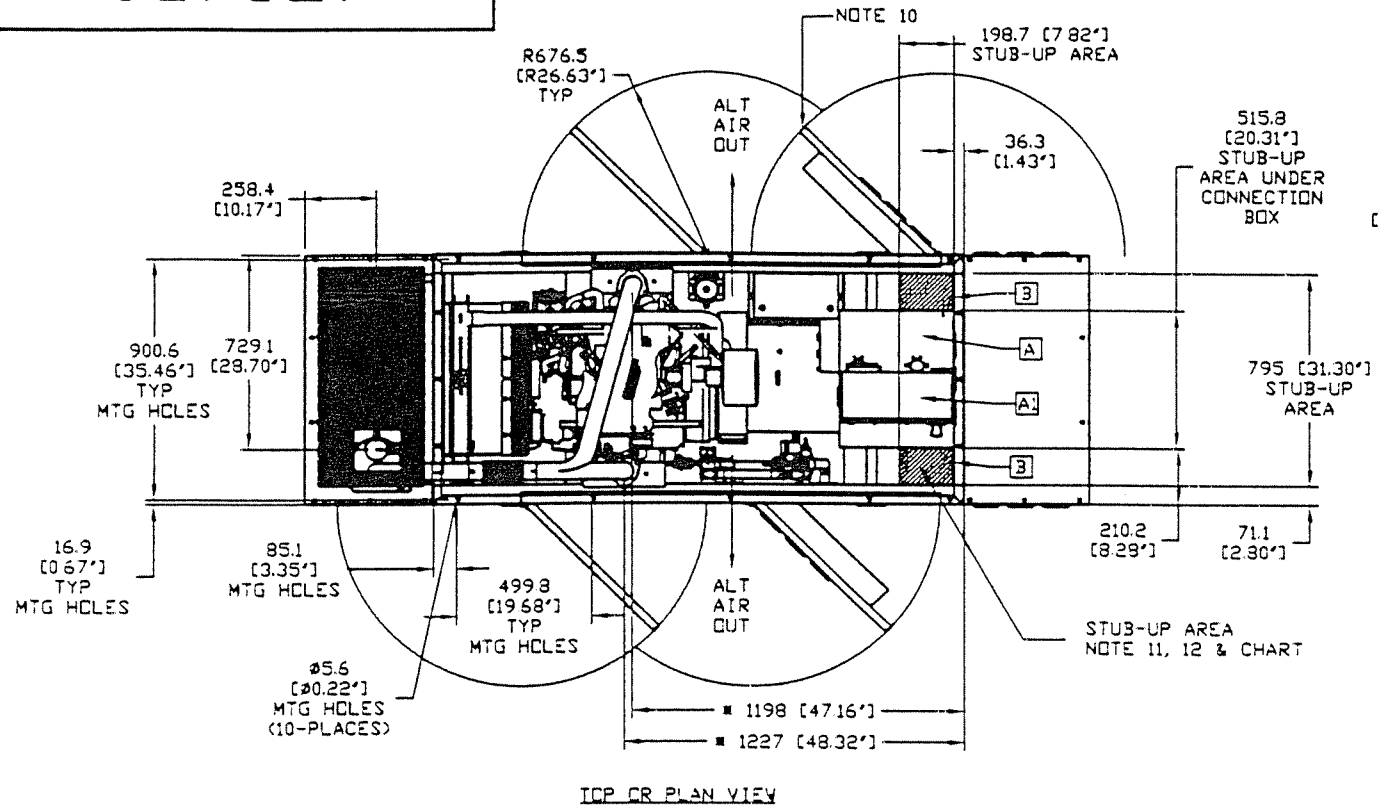
BLUEGRASS CELLULAR, INC.  
STANDARD CELLULAR SITE  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED

SHEET NUMBER  
S-1



0G7627



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

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

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

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

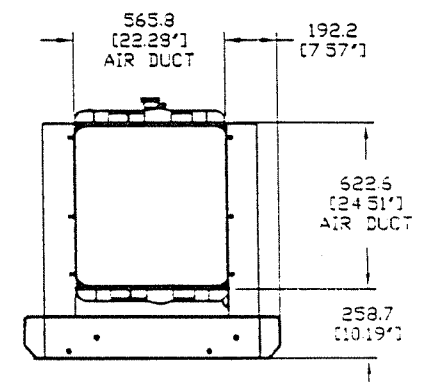
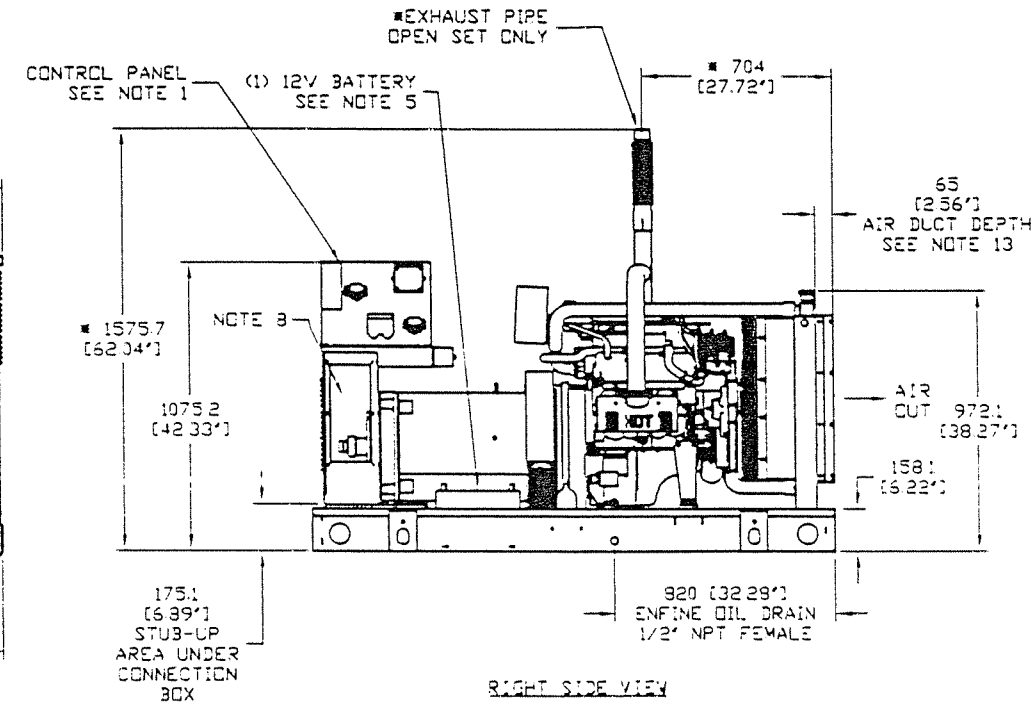
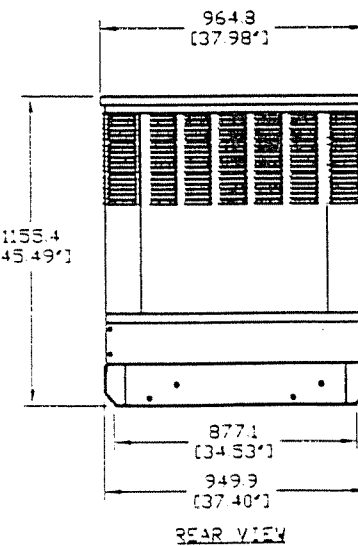
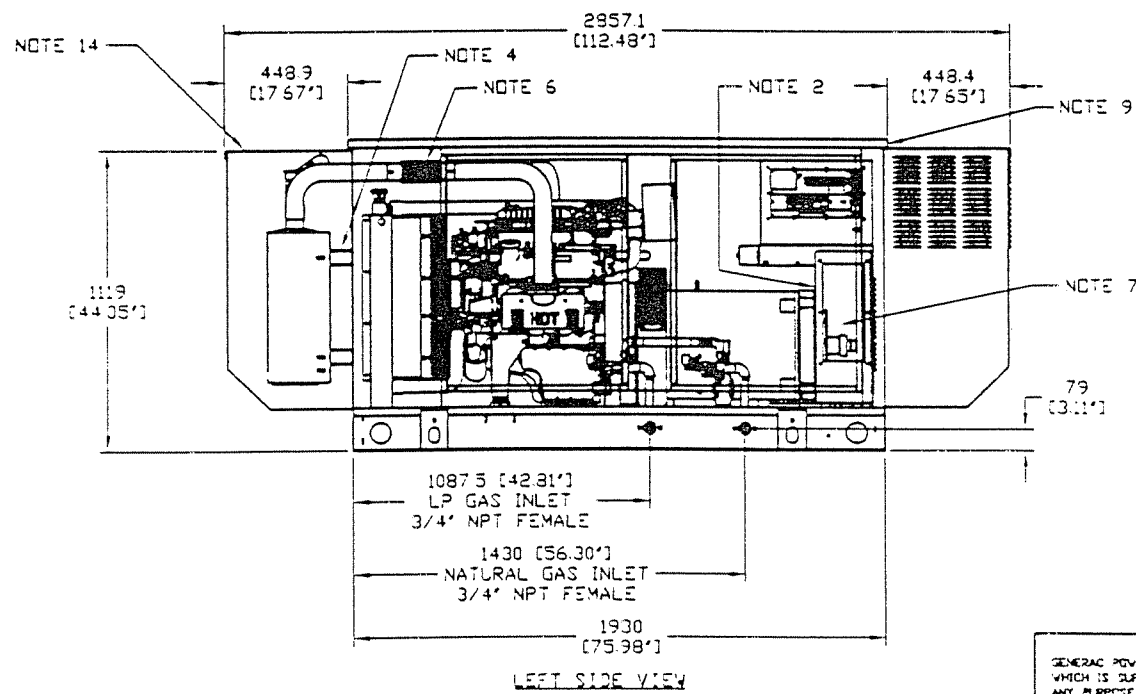
UNITS: mm [INCHES]

ENGINE SERVICE CONNECTIONS

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

NOTES:

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



APPLICABLE TO 4.5L G3 35, 40 & 45KW

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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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 SIZE E

SCALE NTS FIRST USE 4.2L G3

DWG NO. 0G7627 REV A

INSTALLATION DRAWING

**GENERAL NOTES:**

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

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

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

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

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

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

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

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

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

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

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

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

28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC

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

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

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

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

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

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

**GRADING & EXCAVATING NOTES:**

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

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

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

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

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

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

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

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

9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.


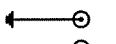





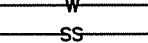
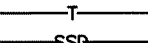
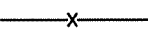




10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)

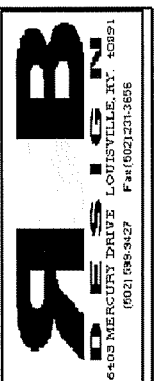
11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

**"CALL BEFORE YOU DIG"**

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 811 IN KENTUCKY, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. ALL NEW SERVICE AND GROUNDING TRENCHES PROVIDE A WARNING TAPE 12 INCHES BELOW GRADE.

**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**  
**DABNEY**  
952 W. COLEMAN RD. SCIENCE HILL, KY. 42553

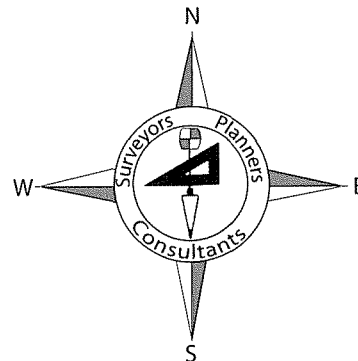
DRAWN BY: R. BECKER  
ISSUE DATE: 9-04-09  
SCALE: LISTED

SHEET NUMBER  
**General Notes**

C

# Landmark Surveying Co., Inc.

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



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

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

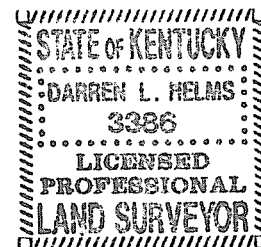
**Bluegrass Cellular, Inc.  
Dabney II Site  
Pulaski County, Kentucky**

From the intersection of Kentucky Highway 80 By-Pass and Kentucky Highway 39 on the north side of Somerset, Kentucky: travel north on Kentucky Highway 39 for 5.6 miles to West Coleman Road; turn left onto West Coleman Road and travel west for 0.9 miles to the tower site on the right side of the road in a pasture about 350 feet before reaching Stilesville Road. The address of the site is 952 West Coleman Road, Science Hill, Kentucky 42553.

Darren L. Helms

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

AUGUST 31, 2009  
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 17 day of August, 2009, by and between Arthur Ray Crawford and Kimberly Joan Crawford, husband and wife, whose address is 580 Stilesville Road, Science Hill, KY 42553 (the "Optionor (s)" and Bluegrass Wireless LLC, a Kentucky limited liability company with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

**WITNESSETH:**

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

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

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

Site Name: Dabney

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 Feb. 16, 2010, (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

Site Name: Dabney

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



Site Name: Dabney

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.

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **580 Stilesville Road, Science Hill, KY 42553**; the Optionee's address shall be: **2902 Ring Road, Elizabethtown, KY 42701**. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Pulaski County, **Kentucky**.

## II.

### LEASE AGREEMENT

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

Site Name: Dabney

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

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

Site Name: Dabney

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

Site Name: Dabney

STATE OF Ky  
COUNTY OF Palmer

The foregoing instrument was acknowledged before me this 12<sup>th</sup> day of August,  
2009, by Arthur + Kimberly Crawford to be his/her free act and deed.

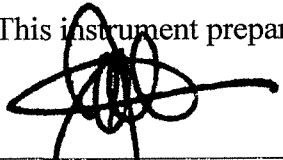
L Annette Jackson  
NOTARY PUBLIC STATE AT LARGE  
My commission expires: 8/26/10

STATE OF KENTUCKY  
COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 17 day of August,  
2009, by **Ron Smith**, to be his free act and deed.

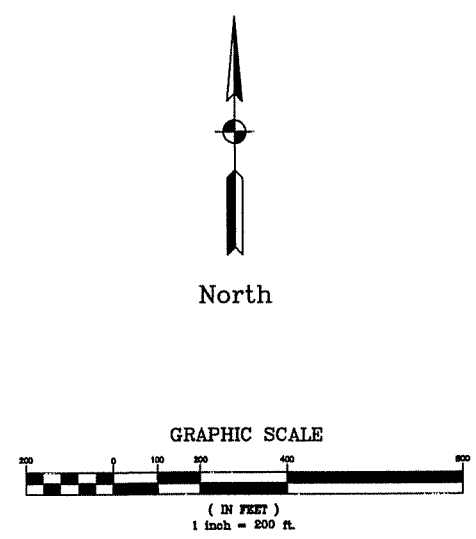
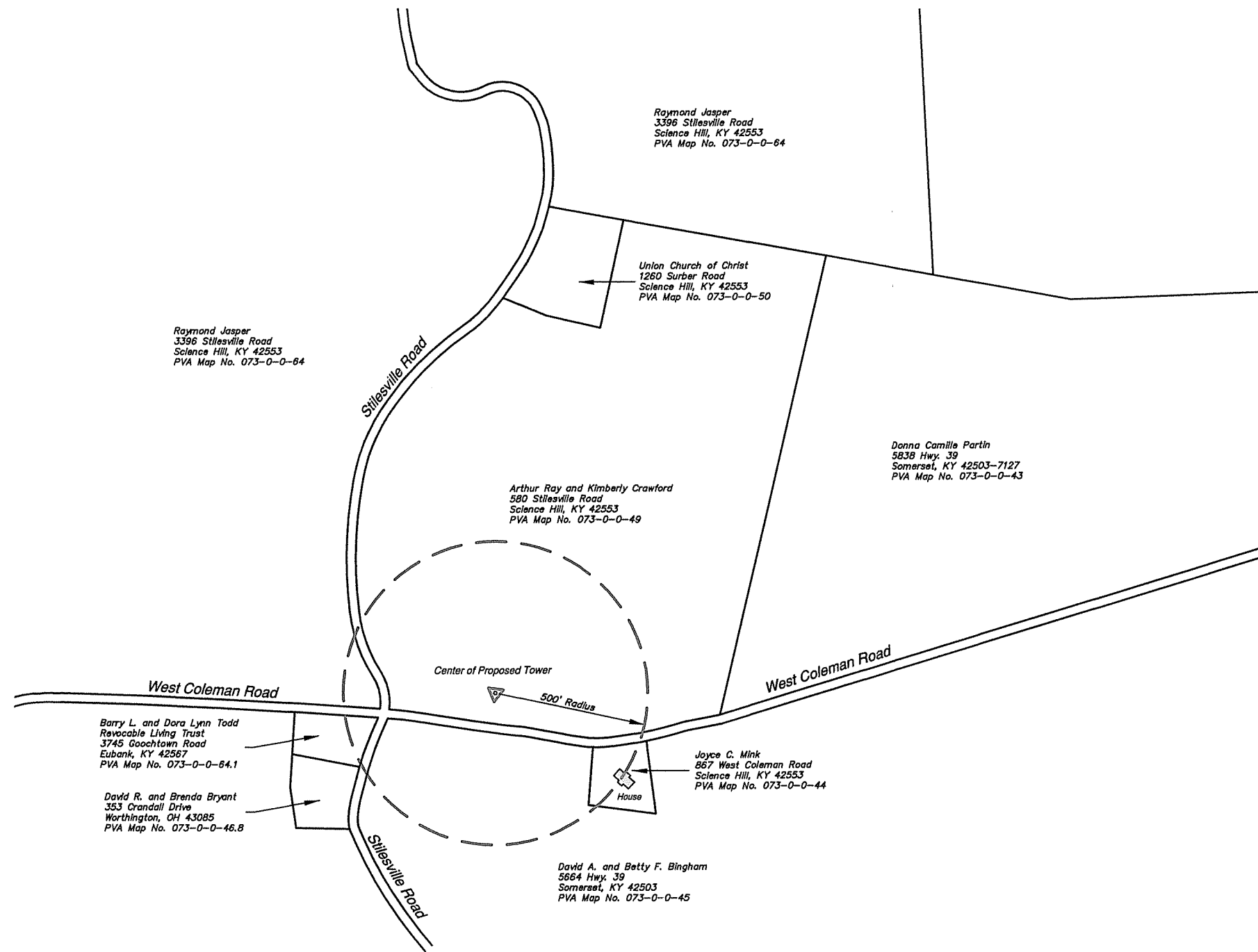
Jul L Vice  
NOTARY PUBLIC STATE AT LARGE  
My commission expires: 1-21-13

This instrument prepared by:

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



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



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

Surveyor's Certification  
 I hereby certify that the information shown is correct to the best of my knowledge; and it is in accordance with the records found in the office of the Property Valuation Administrator of Pulaski County, Kentucky on August 24, 2009.  
*Darren L. Helms*  
 Darren L. Helms, P.L.S. 3386  
 Date August 31, 2009

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

**Reduced Copy**

Landmark Surveying Co., Inc.  
 15 N.E. 3rd Street  
 Washington, Indiana 47501  
 (812) 257-0950  
 Chief: Kenneth P. Haggard  
 Project No. 09-07-0161  
 © 2009

500-Foot Radius Map  
 952 West Coleman Road  
 Science Hill, Kentucky 42553

Bluegrass Cellular  
 2902 Ring Road  
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE 8-31-09	DRAWN BY A. Winkler	CHECKED BY D.L. Helms
SHEET NO. 1		
OF 1 SHEETS		
FILE NO. dabney2-radius.dwg		





**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 (DABNEY) IN RURAL SERVICE AREA #6  
(PULASKI) OF THE COMMONWEALTH OF  
KENTUCKY**

**CASE NO. 2009-00363**

**AFFIDAVIT OF JOHN E. SELENT**

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

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

I am legal counsel to Bluegrass Wireless LLC and am submitting this affidavit in conjunction with the above referenced matter.

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

3. Attached as Exhibit 2 is a copy of the United States Certified Mail return receipt that demonstrates proof of service of the written notice of the proposed construction upon: (1) Barry and Dora Lynn Todd Revocable Living Trust; (2) Union Church of Christ; (3) David and Betty Bingham; (4) Arthur and Kimberly Crawford; (5) Joyce C. Mink; (6) David and Brenda Bryant; and (7) Donna Camille Partin.

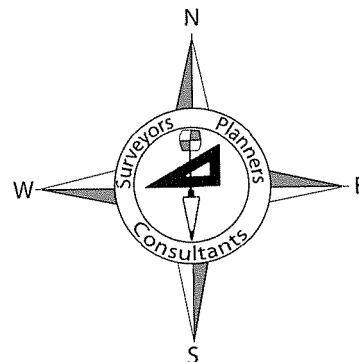
4. Affiant attempted to serve written notice of the proposed construction upon Raymond Jasper (see Exhibit 1) via United States Certified Mail pursuant to 807 KAR 5:063





# Landmark Surveying Co., Inc.

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



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

## Landowner and Adjacent Landowner List

Bluegrass Cellular, Inc.  
Dabney II Site  
Pulaski County, Kentucky

Raymond Jasper  
3396 Stilesville Road  
Science Hill, KY 42533

Barry L. and Dora Lynn Todd  
Revocable Living Trust  
3745 Goochtown Road  
Eubank, KY 42567

David A. and Betty F. Bingham  
5664 Hwy. 39  
Somerset, KY 42503

Joyce C. Mink  
867 West Coleman Road  
Science Hill, KY 42553

Donna Camille Partin  
5838 Hwy. 39  
Somerset, KY 42503-7127

Union Church of Christ  
1260 Surber Road  
Science Hill, KY 42553

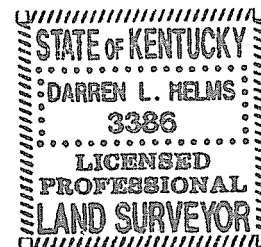
Arthur Ray and Kimberly Crawford  
580 Stilesville Road  
Science Hill, KY 42553

David R. and Brenda Bryant  
353 Crandall Drive  
Worthington, OH 43085

*Darren L. Helms*

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

AUGUST 31, 2009  
Date





September 8, 2009

Arthur Ray and Kimberly Crawford  
580 Stilesville Road  
Science Hill, Kentucky 42553

## Public Notice

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

Bluegrass Wireless LLC is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240-foot tower to be located at 952 West Coleman Road, Science Hill, Kentucky, 42553. A map showing the location is attached.

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

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

**Please refer to case number 2009-00363 in your correspondence.**

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at [www.myblueworks.com](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>Arthur Crawford</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Arthur Ray &amp; Kimberly Crawford 580 Stilesville Rd. Science Hill, KY 42553</i>	B. Received by (Printed Name) <i>Arthur Crawford</i> C. Date of Delivery <i>9-12-09</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number <i>(Transfer from service label)</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. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

7009 0080 0001 0806 4979

September 8, 2009

Union Church of Christ  
1260 Surber Road  
Science Hill, Kentucky 42553

## Public Notice

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Frankfort, Kentucky, 40602.**

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1. Article Addressed to:  <i>Union Church of Christ 1260 Surber Rd. Science Hill, KY 42553</i>	B. Received by (Printed Name) <i>HELEN LANGRISH</i>	C. Date of Delivery <i>9-11-09</i>
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? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540		

7009 0080 0001 0806 4986

September 8, 2009

Donna Camille Partin  
5838 Highway 39  
Somerset, Kentucky 42503-7127

## Public Notice

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

Please refer to case number 2009-00363 in your correspondence.

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

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<ul style="list-style-type: none"><li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li><li>■ Print your name and address on the reverse so that we can return the card to you.</li><li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li></ul>	A. Signature <input checked="" type="checkbox"/> <i>Donna C Partin</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by ( <i>Printed Name</i> ) <i>Donna C Partin</i> C. Date of Delivery <i>9-18-09</i>
1. Article Addressed to: <i>Donna Camille Partin 5838 Highway 39 Somerset, KY 42503-7127</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.
2. Article Number (Transfer from service label)	4. Restricted Delivery? ( <i>Extra Fee</i> ) <input type="checkbox"/> Yes  7009 0080 0001 0806 4993



September 8, 2009

Joyce C. Mink  
867 West Coleman Road  
Science Hill, Kentucky 42553

## 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.

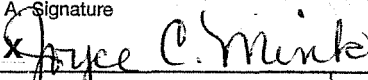
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Public Service Commission of Kentucky  
P.O. Box 615  
Frankfort, Kentucky, 40602.**

**Please refer to case number 2009-00363 in your correspondence.**

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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature   <input type="checkbox"/> Agent  <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)            Joyce C. Mink</p> <p>C. Date of Delivery            9-7-09</p>	
<p>1. Article Addressed to:</p> <p>Joyce C. Mink            867 West Coleman Rd.            Science Hill, KY            42553</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 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>2. Article Number            (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>7009 0080 0001 0806 5006</p>	

September 8, 2009

Barry L. and Dora Lynn Todd  
Revocable Living Trust  
3745 Goochtown Road  
Eubank, Kentucky 42567

## Public Notice

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

**Please refer to case number 2009-00363 in your correspondence.**

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at [www.myblueworks.com](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>Barry L. Todd</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: <i>Barry and Dora Lynn Todd Revocable Living Trust 3745 Goochtown Rd. Eubank, Kentucky 42567</i>	B. Received by (Printed Name) <i>Barry L. Todd</i>	C. Date of Delivery <i>9/12/09</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.	
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
102595-02-M-1540	7009 0080 0001 0806 4030	

September 8, 2009

David A. and Betty F. Bingham  
5664 Highway 39  
Somerset, Kentucky 42503

## Public Notice

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

Bluegrass Wireless LLC is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240-foot tower to be located at 952 West Coleman Road, Science Hill, Kentucky, 42553. A map showing the location is attached.

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

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

**Please refer to case number 2009-00363 in your correspondence.**

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at [www.myblueworks.com](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>David Bingham</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by ( <i>Printed Name</i> ) C. Date of Delivery
1. Article Addressed to: <i>David A. and Betty Bingham 5664 Highway 39 Somerset, KY 42503</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
2. Article Number ( <i>Transfer from service label</i> )	7009 0080 0001 0806 4016

September 8, 2009

David R. and Brenda Bryant  
353 Crandall Drive  
Worthington, Ohio 43085

## 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.

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

**Please refer to case number 2009-00363 in your correspondence.**

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at [www.myblueworks.com](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/Brenda Bryant</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>David R. &amp; Brenda Bryant 353 Crandall Drive Worthington, Ohio 43085</i>	B. Received by (Printed Name) <i>BRENDA BRYANT</i> C. Date of Delivery <i>9/8/09</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes



September 8, 2009

Raymond Jasper  
3396 Stilesville Road  
Science Hill, Kentucky 42533

## **Public Notice**

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

Bluegrass Wireless LLC is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240-foot tower to be located at 952 West Coleman Road, Science Hill, Kentucky, 42553. A map showing the location is attached.

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

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

**Please refer to case number 2009-00363 in your correspondence.**

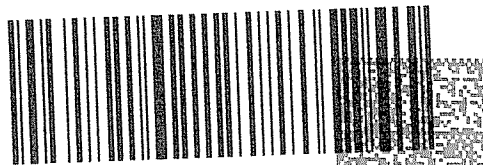
Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at [www.myblueworks.com](http://www.myblueworks.com))

1C Plaza, 500 West Jefferson Street  
L KY 40202

**Dinsmore & Shohl** LLP  
ATTORNEYS



**CERTIFIED MAIL™**



7009 0080 0001 0808 4022



02 1A \$ 05.54<sup>0</sup>  
0004608059 SEP 10 2009  
MAILED FROM ZIP CODE 40202

NAME \_\_\_\_\_  
1st Mail 9-11  
2nd Mail 9-17  
3rd Mail 9-22  
Return 9-27

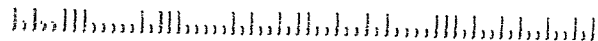
Raymond Jasper  
3396 Stilesville Road  
Science Hill, Kentucky 42533

NIXIE 409 4E 1 70 09/29/09

RETURN TO SENDER  
UNCLAIMED  
UNABLE TO FORWARD

BC: 40202295199 \*1070-14492-10-96

42533+4022  
40202@2951







# Dinsmore & Shohl LLP

ATTORNEYS

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

September 10, 2009

***Via Certified Mail***

Honorable Barty Bullock  
Pulaski County Judge Executive  
Courthouse  
100 North Main Street  
P.O. Box 712  
Somerset, Kentucky 42502

***Re: Application of Bluegrass Wireless LLC d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a cellular tower to be located at 952 West Coleman Road, Science Hill, Kentucky, 42553, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2009-00363***

Dear Judge Bullock:

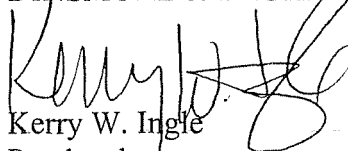
Bluegrass Wireless LLC ("Bluegrass Wireless") is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Wireless is applying to the Public Service Commission of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area ("RSA") #6 in Pulaski County. The facility will include a 240 ft. tower and an equipment shelter to be located at 952 West Coleman Road, Science Hill, Kentucky 42553. 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 2009-00363 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP



Kerry W. Ingle  
Paralegal

Enclosure  
33597-21

1100 KFC Plaza, 500 West Jefferson Street, Louisville, KY 40202  
502.540.2300 502.583.2337 fax 502.540.2300  
www.dinslaw.com

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Hon. Marty Bullock  
Pulaski Judge Executive  
Courthouse  
100 North Main St.  
Somerset, KY 42502

2. Article Number  
(Transfer from service label)

7009 0080 0001 0806 4955

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*J. M. Wilson*

- Agent  
 Addressee

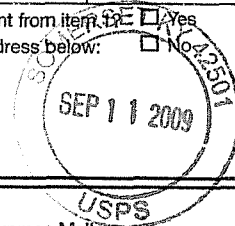
B. Received by (Printed Name)

*J. M. Wilson*

C. Date of Delivery

D. Is delivery address different from item label?  Yes

If YES, enter delivery address below:  No



3. Service Type

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

4. Restricted Delivery? (Extra Fee)

- Yes



# **PUBLIC NOTICE**

Bluegrass Wireless LLC  
proposes to  
construct a cellular  
communications

# **TOWER**

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

Bluegrass Wireless LLC  
P.O. Box 5019  
2003 Hwy 60 East  
Hazardousville, KY 40301

Executive Director  
Public Service Commission  
311 Dewar Boulevard  
P.O. Box 815  
Frankfort, KY 40602

Please refer to P.S.C.  
**Case #2009-00363**  
in your correspondence.



# **PUBLIC NOTICE**

**Bluegrass Wireless LLC  
proposes to  
construct a cellular  
communications**

# **TOWER**

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

**Bluegrass Wireless LLC  
P. O. Box 5012  
2902 Ring Road  
Elizabethtown, NY 42701**

**or  
Executive Director,  
Public Service Commission  
211 Sower Boulevard  
P. O. Box 815  
Frankfort, NY 40602**

**Please refer to P.S.C.  
Case #2009-00363  
in your correspondence.**







# PUBLIC NOTICE

Stangor's Wireless LLC  
proposes to  
construct a cellular  
communication

# TOWER

on the site. If you have any  
questions, please contact:

Stangor's Wireless LLC	10000 N. 10th St.
10000 N. 10th St.	10000 N. 10th St.
10000 N. 10th St.	10000 N. 10th St.
10000 N. 10th St.	10000 N. 10th St.

Please refer to PSC

Case #2009-00363

in your correspondence







**PUBLIC NOTICE**

Blount County Wireless LLC  
proposes to  
construct a cellular  
communications tower

**TOWER**

within the town of Pine Bluff, AR.  
If you have any questions, please contact:

Blount County Wireless LLC 1000 N. Main St. Pine Bluff, AR 71901 Phone: (501) 535-1111	Blount County Wireless LLC 1000 N. Main St. Pine Bluff, AR 71901 Phone: (501) 535-1111
---	---

Please refer to P.S.C.  
**Case #2009-00363**  
in your correspondence.



TOWER

# **PUBLIC NOTICE**

Bluegrass Wireless LLC  
proposes to  
construct a cellular  
communications

# **TOWER**

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

Bluegrass Wireless LLC  
P.O. Box 5017  
2902 Ring Road  
Elizabethtown, KY 42701

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

Please refer to P.S.C.  
**Case #2009-00363**  
in your correspondence.



**AFFIDAVIT OF PUBLICATION**

I, Debra Gossett, OF THE  
COMMONWEALTH JOURNAL, A LEGAL NEWSPAPER HOLDING A SECOND-  
CLASS PERMIT, PUBLISHED DAILY EXCEPT FOR MONDAYS IN SOMERSET,  
COUNTY OF PULASKI, COMMONWEALTH OF KENTUCKY DO SWEAR THAT  
THE ATTACHED PROOF OF PUBLICATION OF A

LEGAL NOTICE, AS REQUIRED AND PRESCRIBED BY KRS

PAID ADVERTISEMENT

WAS PUBLISHED IN SAID NEWSPAPER IN THE ISSUE OF 9-15-09  
FOR WHICH THE SUM \$ \_\_\_\_\_ IS DUE AND PAYABLE.

SWEAR THAT  
SIGNED: [Signature]  
TITLE Classified AD manager

SUBSCRIBED AND SWORN TO BEFORE ME, A NOTARY PUBLIC FOR THE  
COUNTY OF PULASKI, COMMONWEALTH OF KENTUCKY THIS 28 DAY  
OF September 20 09.

Brenda Hackney  
MY COMMISSION EXPIRES August 19, 2010

**AFFIDAVIT OF PUBLICATION**

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COMMONWEALTH JOURNAL, A LEGAL NEWSPAPER HOLDING A SECOND-  
CLASS PERMIT, PUBLISHED DAILY EXCEPT FOR MONDAYS IN SOMERSET,  
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THE ATTACHED PROOF OF PUBLICATION OF A

LEGAL NOTICE, AS REQUIRED AND PRESCRIBED BY KRS

PAID ADVERTISEMENT

WAS PUBLISHED IN SAID NEWSPAPER IN THE ISSUE OF 9-16-09  
FOR WHICH THE SUM \$ \_\_\_\_\_ IS DUE AND PAYABLE.

SIGNED: [Signature]  
TITLE classified AD manager

SUBSCRIBED AND SWORN TO BEFORE ME, A NOTARY PUBLIC FOR THE  
COUNTY OF PULASKI, COMMONWEALTH OF KENTUCKY THIS 28 DAY  
OF September 2009.

[Signature]  
MY COMMISSION EXPIRES August 19, 2010



**builders.com**  
for a complete listing  
of Homes for Sale

**Nice, Brick 3 Bdr. 1**  
1/2 Ba. CHA, Full  
Bsmt. Wrap Around  
Porches and Deck. Sits  
on 8 1/2 acres. James-  
town. Close to Lake  
Cumberland and Wolf  
Creek Dam. \$129,900  
606-379-5178

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Owner/Realtor

**For Sale By Owner**  
Great Home Great  
Price. View- convenience  
Privacy. 3 Bdr. 2 Ba.  
Clayton 2003 Like new  
on permant founda-  
tion, deck. Owner fi-  
nancing or bank.  
\$69,900 Call 606-423-  
9413 Home 606-219-  
2718 Mobile

## NOTICE

Bluegrass Wireless, LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #6 of the Commonwealth of Kentucky (Dabney Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 952 West Coleman Road, Science Hill, Kentucky 42558. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2009-00363 in your correspondence.

## NOTICE TO CUSTOMERS OF KENTUCKY UTILITIES COMPANY

**PLEASE TAKE NOTICE** that on or around September 28, 2009, Kentucky Utilities Company ("KU") will file with the Kentucky Public Service Commission ("Commission"), an Application pursuant to Kentucky Revised Statutes 278.300 for approval of (a) two purchase power agreements for wind power and (b) pursuant to Kentucky Revised Statutes 278.180 a ratemaking mechanism for the recovery of its monthly expense associated with the purchase of wind power under the two purchase power agreements.

The ratemaking mechanism proposed by KU, titled "Renewable Resource Clause," is shown below:

- (1) The charge per kWh delivered under the rate schedules to which the RRC applies shall be increased or decreased during each month according to the following formula.

$$\text{Adjustment Factor} = \frac{\text{RP}}{\text{S}}$$

- (2) Renewable Purchases (RP) are the sum of the most recent actual monthly costs of:

- (a) The Company's purchases of Eligible Renewable Energy and all other costs imposed on the Company under the Company's contract(s) for Eligible Renewable Energy, less any revenues the Company receives for reselling Eligible Renewable Energy;
- (b) The cost of firm transmission service to deliver Eligible Renewable Energy to the Company's control area;
- (c) The cost of Locational Marginal Pricing adjustments to transmission service to reflect congestion in the control area of a Regional Transmission Organization (RTO);
- (d) Other transmission charges or adjustments imposed by an RTO; and
- (e) The amount by which items (a), (b), (c), and (d) were under- or over-collected in the Current Period.

- (3) Sales (S) are all kWh sold to the Company's retail customers.

- (4) Eligible Renewable Energy is all energy generated using renewable resources and purchased by the Company under contracts or other purchasing arrangements approved by order(s) of the Kentucky Public Service Commission.

- (5) The Current Period is the second month preceding the month in which the RRC is billed (e.g., if the RRC is billed in August, the Current Period is June).

KU is proposing the Renewable Resource Clause Rate Schedule become effective on and after October 30, 2009. The proposed ratemaking mechanism, if approved, will allow KU to recover the cost of the contract price of generated energy pursuant to the proposed two wind contracts plus the invoice price of transmission service including adjustments.

The estimated impact on a residential customer using 1,000 kilowatt hours per month is expected to be an increase of \$0.92 per month for KU customers in 2009.

The Application and Renewable Resource Clause Rate Schedule described in this Notice are proposed by KU. However, the Public Service Commission may make an order modifying or denying KU's Application or may order a Rate Schedule to be used that is different from KU's proposed Renewable Resource Clause Rate Schedule. Such action may result in a Renewable Resource Clause Rate Schedule for consumers other than the ratemaking mechanism surcharge described in this Notice.

Any corporation, association, body politic or person may, by motion within thirty (30) days after publication or mailing of notice of the proposed Renewable Resource Clause surcharge schedule, request leave to intervene in Case No. 2009-00353. That motion shall be submitted to the Public Service Commission, 211 Sower Blvd., P.O. Box 615, Frankfort, Kentucky 40602, and shall set forth the grounds for the request including the status and interest of the party. Intervenors may obtain copies of the Application and testimony by contacting Kentucky Utilities Company at 220 West Main Street, Louisville, Kentucky 40202, Attention: Lonnie E. Bellar, Vice President, State Regulation and Rates, Kentucky Utilities Company. Once they are filed, a copy of the Application and testimony will be available for public inspection at KU's offices where bills are paid.

V8 - 4 wheel drive,  
electric brakes for  
camper - extended  
mirrors - 679-6224  
anytime

1997 Chevy Pickup  
305 V8 Extended  
Cab. \$4895 679-8426  
or 875-9359.

sage ill call back.

223-1087 or 502  
0531.

**Happy Birthday**



**Monica Mousse  
is 40!!**

*Dear Friends,*  
Thank you so much for all your  
love and support. We truly  
appreciate your kind generosity  
and continued prayers in this  
difficult time. We look forward  
to returning soon to celebrate  
with your friendship and  
good health.

Thanks In Jesus Name,  
Stanley and Beverly Flynn

#### INVITATION TO BID

Somerset Independent Schools is accepting bids  
for four (4) DOC Retrofit Emissions Reducing Units  
and installation on International DT 466 Diesel  
School Bus Engines. Bids will be accepted through  
Friday, September 25, 2009. Bids will be opened at  
3:00 p.m. Friday, September 25, 2009, at the Central  
Office Board Room, located at 305 College  
Street, Somerset. Please direct inquiries to Cloyd  
Bumgardner, 606-679-4451.

#### NOTICE

Bluegrass Wireless, LLC, is applying to the Public  
Service Commission of Kentucky for a Certificate of  
Public Convenience and Necessity to construct and  
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munications service in rural service area #6 of the Com-  
monwealth of Kentucky (Dabney Cell Site). The facility  
is a 240-foot tower and an equipment shelter to be  
located at 952 West Coleman Road, Science Hill, Ken-  
tucky 42553. Your comments and requests for inter-  
vention should be addressed to: Executive Director's  
Office, Public Service Commission, Post Office Box 615,  
211 Sower Boulevard, Frankfort, Kentucky 40602.  
Please refer to Case No. 2009-00363 in your correspon-  
dence.

www.OnLakeCumberland  
606-561-09

CUMBERLAND  
**REALTY**  
GROUP

Located in Stonebr  
Pavillion beside  
Reno's Roadhouse

**OPEN HOUSE**  
Friday, September 18th  
from 5pm-7pm



#### 83 KOLSONS COURT

Executive Style Ranch with Finished Walkout B  
ment! This Wiggington home offers an open floor  
granite counter tops, hardwood and tile flooring.  
Lot

MLS# 1830600 \$289,900

**DIRECTIONS:** Traveling south on  
Hwy. 27, turn right onto Oak Hill  
Road, turn right onto Ferry Road,  
continue straight through 3 way  
stop onto Slate Branch Road,  
turn left onto Prather Drive, turn  
right into Kolsons Landing, left  
onto Kolsons Court. Home is on  
left.





Denise Robert






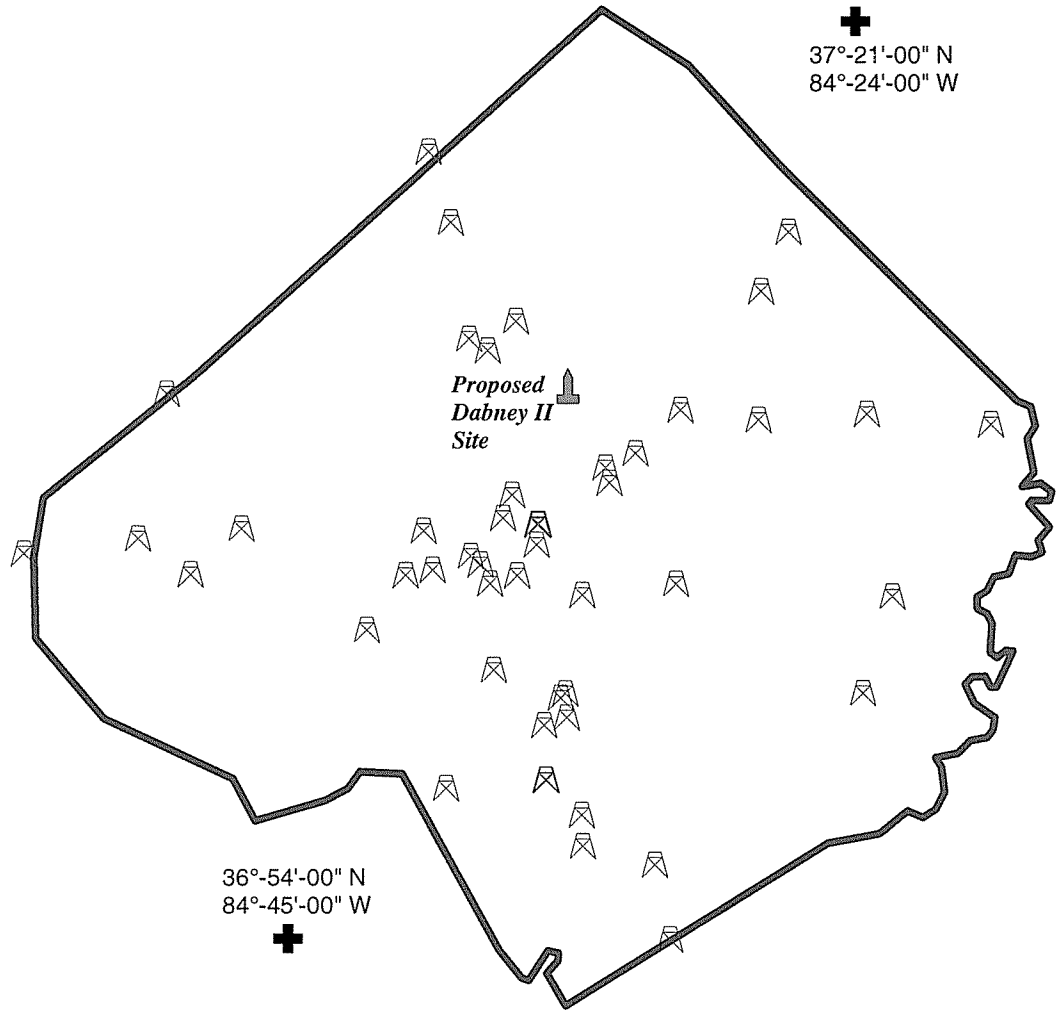
— Pulaski County Boundary

 Constructed Wireless Tower Locations Registered with the FCC

 Proposed Tower Location

 Tick Marks

*Prepared By: LNGS Engineering 9/21/2009*



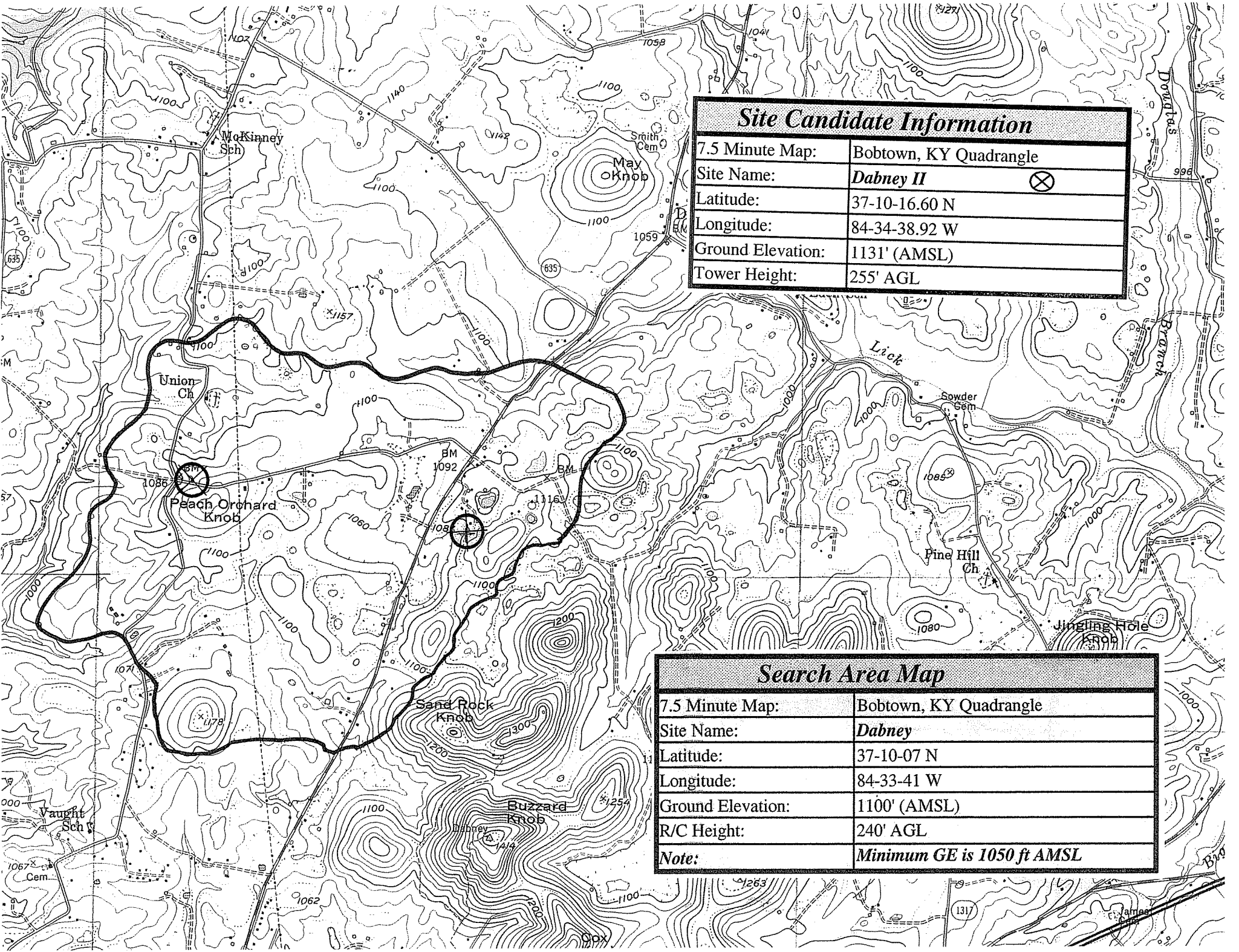
**Information on Towers Registered with the FCC  
in Pulaski County and 1/2 mile Area Outside of the County Boundary**

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1044043	37-10-03 N	84-49-30 W	Mintonville, KY	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKSO TV
1018905	37-14-47.9 N	84-26-28.5 W	Somerset, KY	Global Tower, LLC
1035924	37-05-00 N	84-37-52 W	Somerset, KY	NORFOLK SOUTHERN CORPORATION
1042206	37-08-17 N	84-32-08 W	Somerset, KY	Global Tower, LLC
1043118	37-04-41 N	84-40-39 W	Somerset, KY	First Radio Inc
1043456	37-04-3.5 N	84-22-37.1 W	Somerset, KY	DukeNet Communication Services, LLC
1043625	37-06-10 N	84-35-45 W	Somerset, KY	CELLULAR PHONE OF KENTUCKY DBA = RAMCELL
1043628	36-58-25.5 N	84-39-8.8 W	Burnside, KY	CELLULAR PHONE OF KENTUCKY, INC. DBA = RAMCELL
1043674	37-07-03 N	84-36-42 W	Somerset, KY	Capstar Radio Operating Company
1043675	37-09-16 N	84-27-35 W	Shopville/Stab, KY	Capstar Radio Operating Company
1043677	36-57-38 N	84-34-07 W	Tateville, KY	Capstar Radio Operating Company
1043977	37-01-05 N	84-34-54 W	Somerset, KY	SBA Infrastructure, LLC
1043979	37-06-12 N	84-35-43 W	Somerset, KY	Telecommunications Management LLC dba NewWave Communications
1044514	37-00-30 N	84-34-40 W	Burnside, KY	EAST KENTUCKY POWER COOPERATIVE, INC
1044771	37-05-15 N	84-38-14 W	Somerset, KY	Cumberland Communications Inc. DBA= WTLO Radio
1044797	37-01-13.4 N	84-23-42.6 W	Somerset, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM
1047763	37-17-09.6 N	84-39-48.6 W	Eubanks, KY	Global Tower, LLC
1047989	37-06-10 N	84-35-45 W	Somerset, KY	DEAL, DOUG
1051877	37-07-52 N	84-33-15 W	Somerset, KY	Somerset Educational Broadcasting Foundation
1203424	37-04-42.3 N	84-48-36.8 W	Nancy, KY	Global Tower, LLC
1204492	37-06-22.2 N	84-37-02.7 W	Somerset, KY	Epperson Air Conditioning & Heating
1208691	37-04-40.4 N	84-36-30.8 W	Somerset, KY	Norfolk Southern Railway Company
1219832	37-05-35.3 N	84-35-47.8 W	Somerset, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM
1229865	37-09-08.3 N	84-18-58.5 W	Somerset, KY	Global Tower LLC
1229869	37-11-39.7 N	84-38-18.2 W	Science Hill, KY	Global Tower LLC
1230075	37-12-11.1 N	84-36-34.1 W	Science Hill, KY	American Tower through UNIsite, inc.
1230266	37-09-26.4 N	84-23-34.2 W	Somerset, KY	Global Tower LLC
1230432	37-09-33.8 N	84-30-27.8 W	Somerset, KY	SBA Infrastructure, LLC
1230577	37-04-26.3 N	84-37-31.2 W	Somerset, KY	SBA Infrastructure, LLC
1231891	37-05-59.8 N	84-39-58.6 W	Somerset, KY	SBA Infrastructure, LLC
1232264	37-05-19.7 N	84-54-47.3 W	Russell Springs, KY	SBA Infrastructure, LLC
1232715	36-56-43.9 N	84-34-04.5 W	Burnside, KY	SBA Infrastructure, LLC
1234158	37-00-16.3 N	84-35-30.8 W	Burnside, KY	East Kentucky Power Cooperative, Inc.
1234225	37-01-12.7 N	84-34-43.7 W	Somerset, KY	SBA Infrastructure, LLC
1235212	37-06-12 N	84-35-46 W	Somerset, KY	Global Tower, LLC
1237226	37-11-19.3 N	84-37-36.3 W	Science Hill, KY	East Kentucky Power Cooperative, Inc.
1247464	37-06-03.7 N	84-46-43.5 W	Nancy, KY	SBA Infrastructure, LLC

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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1247918	37-07-24.6 N	84-33-06.1 W	Somerset, KY	SBA Infrastructure, LLC
1250175	37-01-54 N	84-37-23 W	Somerset, KY	Bluegrass Wireless LLC
1250182	37-15-04.9 N	84-38-58.4 W	Eubank, KY	Bluegrass Wireless LLC
1250183	37-13-03.8 N	84-27-29 W	Somerset, KY	Bluegrass Wireless LLC
1250184	37-05-46.4 N	84-50-33.9 W	Nancy, KY	Bluegrass Wireless LLC
1251434	36-58-40.4 N	84-35-27.5 W	Burnside, KY	Bluegrass Wireless LLC
1251910	37-3-4.7 N	84-42-4.5 W	Somerset, KY	Bluegrass Wireless LLC
1253989	37-8-48.9 N	84-3725.1 W	Somerset, KY	Bluegrass Wireless LLC
1260416	37-4-6.5 N	84-34-6.2 W	Somerset, KY	Shared Towers, LLC
1260689	36-53-58.6 N	84-30-50.1 W	Burnside, KY	Hemphill Corporation
1260939	36-56-10.5 N	84-31-24.1 W	Burnside, KY	Shared Towers, LLC
1260942	36-58-39.8 N	84-35-24.9 W	Burnside, KY	Shared Towers, LLC
1263386	37-4-25.9 N	84-30-38.1 W	Somerset, KY	Bluegrass Wireless LLC
1264631	37-4-50.6 N	84-39-38.5 W	Somerset, KY	F.T.G. Broadcasting, Inc.





<b>Site Candidate Information</b>	
7.5 Minute Map:	Bobtown, KY Quadrangle
Site Name:	<i>Dabney II</i> ⊗
Latitude:	37-10-16.60 N
Longitude:	84-34-38.92 W
Ground Elevation:	1131' (AMSL)
Tower Height:	255' AGL

<b>Search Area Map</b>	
7.5 Minute Map:	Bobtown, KY Quadrangle
Site Name:	<i>Dabney</i>
Latitude:	37-10-07 N
Longitude:	84-33-41 W
Ground Elevation:	1100' (AMSL)
R/C Height:	240' AGL
<b>Note:</b>	<b>Minimum GE is 1050 ft AMSL</b>