

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF KENTUCKY RSA #3
CELLULAR GENERAL PARTNERSHIP FOR
ISSUANCE OF A CERTIFICATE OF PUBLIC
CONVENIENCE AND NECESSITY TO CONSTRUCT
A CELL SITE (DAVIS CROSSROADS) IN RURAL
SERVICE AREA #3 (BUTLER) OF THE
COMMONWEALTH OF KENTUCKY

PUBLIC SERVICE
COMMISSION

FEB 10 2010

RECEIVED

CASE NO. 2010-00007

2010-00007

APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY (DAVIS CROSSROADS)

Kentucky RSA #3 Cellular General Partnership (“Kentucky RSA #3”), 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 Davis Crossroads cell site in and for rural service area (“RSA”) #3 of the Commonwealth of Kentucky, namely the counties of Allen, Breckinridge, Butler, Edmonson, Grayson, Hancock, Logan, McLean, Meade, Muhlenberg, Ohio, Simpson, Todd and Warren, Kentucky.

1. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Kentucky RSA #3 states that it is a Kentucky general partnership whose full name and post office address are: Kentucky RSA #3 Cellular General Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701.

2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant’s applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are attached as Exhibit “A”. Written authorizations from these agencies will be supplied to the Commission upon their approval.

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

4. Pursuant to 807 KAR 5:063 §1(1)(e), clear directions from the county seat to the proposed site, including highway numbers and street names, 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 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 Davis Crossroads cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Kentucky RSA # 3 , of which system the Davis Crossroads cell site will be a part. Bluegrass Cellular Inc. provides management services to Kentucky RSA #3 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 and 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”.

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, 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 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 Davis Crossroads cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Kentucky RSA # 3 , of which system the Davis Crossroads cell site will be a part. Bluegrass Cellular Inc. provides management services to Kentucky RSA #3 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 ^{and} ~~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 Butler 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 Butler County Judge Executive is Exhibit “G”.

17. Pursuant to 807 KAR 5:063 § 1 (1)(p), applicant’s legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location

on the proposed site and one on the nearest public road; and (ii) the notices shall remain posted for at least two weeks after the application has been filed.

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

(a) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Kentucky RSA #3 Cellular General Partnership proposes to construct a telecommunications tower on this site,***" including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted and shall remain in a visible location on the proposed site until final disposition of the application; and

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Kentucky RSA #3 Cellular General Partnership proposes to construct a telecommunications tower near this site,***" including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted on the public road nearest the site.

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

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

21. Pursuant to 807 KAR 5:063 §1(1)(s), Kentucky RSA #3 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. Kentucky RSA #3 has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

22. Pursuant to 807 KAR 5:063 § 1(1)(t), a map of the area in which the tower is proposed to be located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located is attached as Exhibit "J".

23. Pursuant to KRS 100.987(2)(a), a grid map, that is drawn to scale, that shows the location of all existing cellular antenna towers and that indicates the general position of proposed construction sites for new cellular antenna towers is attached as Exhibit "K".

24. No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Kentucky RSA #3 and which would provide adequate service to the area exists.

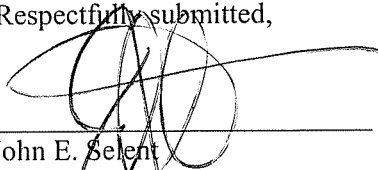
25. Correspondence and communication with regard to this application should be addressed to:

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, Kentucky RSA #3 Cellular General Partnership requests the Commission to enter an order:

1. Granting a certificate of public convenience and necessity to construct the Davis Crossroads 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

Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 200 Mero Street, Frankfort, KY 40622

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

INSTRUCTIONS INCLUDED

1. APPLICANT -- Name, Address, Telephone, Fax, etc.
Scott McCloud
Blugrass Cellular, Inc.
2902 Ring Road
Elizabethtown, KY 42702
T: 270-769-0339 F: 270-737-0580

2. Representative of Applicant -- Name, Address, Telephone, Fax
Leila Rezanavaz
Lukas, Nace, Gutierrez & Sachs, LLP
8300 Greensboro Drive, Suite 1200
McLean, VA 22101
T: 703-584-8668 F: 703-584-8694

3. Application for: New Construction Alteration Existing
4. Duration: Permanent Temporary (Months _____ Days _____)
5. Work Schedule: Start 2/10/2010 End 2/15/2010

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

7. Marking/Painting and/or Lighting Preferred:
 Red Lights and Paint Dual - Red & Medium Intensity White
 White - Medium Intensity Dual - Red & High Intensity White
 White - High Intensity Other _____

8. FAA Aeronautical Study Number 2009-ASO-7155-OE

9. Latitude: 37 ° 3 ' 12 " 39 "

10. Longitude: 86 ° 44 ' 45 " 32 "

11. Datum: NAD83 NAD27 Other _____

12. Nearest Kentucky City: Morgantown County Butler

13. Nearest Kentucky public use or Military airport:
Russellville-Logan County Airport

14. Distance from #13 to Structure: 17.8 Miles

15. Direction from #13 to Structure: NNE

16. Site Elevation (AMSL): 605.00 Feet

17. Total Structure Height (AGL): 255.00 Feet

18. Overall Height (#16 + #17) (AMSL): 860.00 Feet

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

20. Description of Location: (Attach USGS 7.5 minute Quadrangle Map or an Airport layout Drawing with the precise site marked and any certified survey)
Site is located at:
63 Fire Station Lane
Morgantown, KY 42261

21. Description of Proposal:
Structure: Proposed self-supporting tower with top-mounted antennas for overall height of 255' AGL.
Max. ERP: 250 Watts
Frequencies: Cellular Band B

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?
 No Yes, When December 04, 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 / Senior Consulting Engineer Leila Rezanavaz 12/7/2009
Printed Name and Title Signature Date

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

Commission Action: Chairman, KAZC Administrator, KAZC
 Approved _____
 Disapproved _____ Date _____



Federal Aviation Administration

The system will be inaccessible on Saturday, December 12, 2009 from 8.00 am ET as a result of scheduled maintenance at FAA and will be back up as soon as possible. We apologize for any inconvenience.

<< OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Project Name: BLUEG-000135016-09

Sponsor: Bluegrass Cellular, Inc.

Details for Case : Davis Crossroads

Show Project Summary

Case Status

ASN: 2009-ASO-7155-OE

Date Accepted: 12/04/2009

Status: Accepted

Date Determined:

Letters: None

Documents: None

Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

if Temporary : Months: Days:

Work Schedule - Start: 02/10/2010

Work Schedule - End: 02/15/2010

State Filing: Filed with State

Structure Summary

Structure Type: Antenna Tower

Structure Name: Davis Crossroads

FCC Number:

Prior ASN:

Structure Details

Latitude: 37° 3' 12.39" N
 Longitude: 86° 44' 45.32" W
 Horizontal Datum: NAD83
 Site Elevation (SE): 605 (nearest foot)
 Structure Height (AGL): 255 (nearest foot)
 Requested Marking/Lighting: Dual-red and medium intensity

Other :

Recommended Marking/Lighting:

Current Marking/Lighting: N/A New Structure

Other :

Nearest City: Morgantown

Nearest State: Kentucky

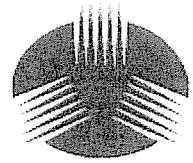
Description of Location: Site is located at:
63 Fire Station Lane
Morgantown, KY 42261

Description of Proposal: Proposed self-supporting tower with top-mounted cellular antennas fro overall height of 255'.

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

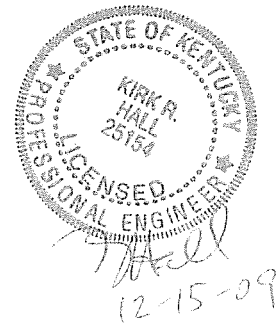
Specific Frequencies



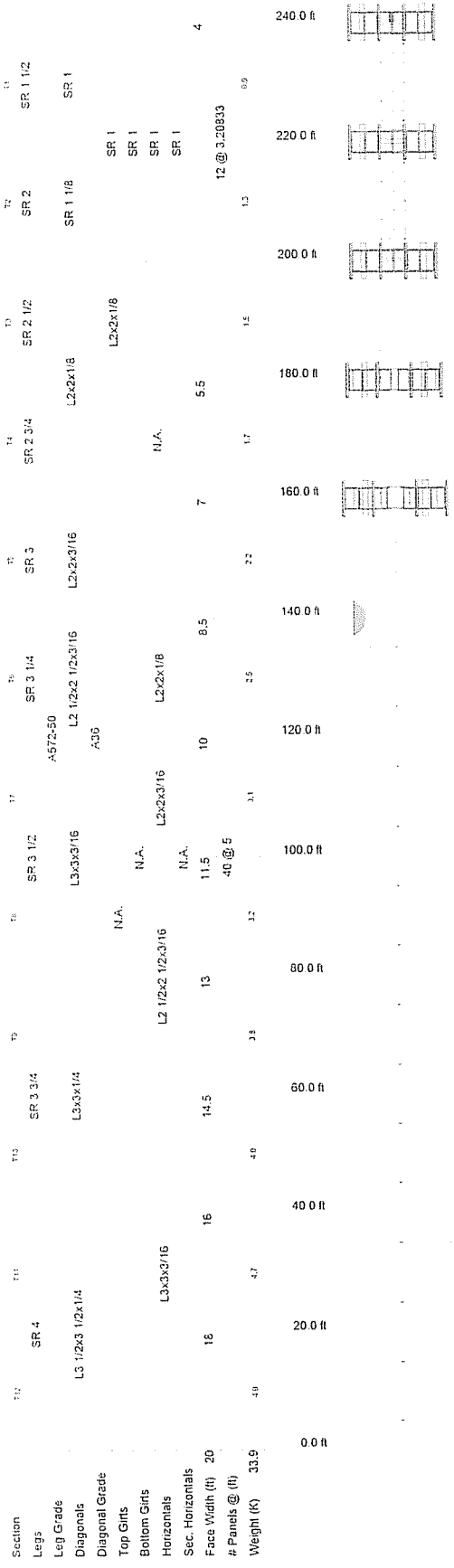
World Tower
COMPANY, INC

1213 Compressor Drive
P O Box 508
Mayfield, KY 42066
270-247-3642
FAX: 270-247-0909
E-mail: worldtower@worldtower.com
Web: www.worldtower.com

240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: DAVIS CROSSROADS
BUTLER COUNTY, KY
DESIGN PACKAGE



Fabrication, Installation, and Maintenance of TV, AM, FM, & Wireless Communications Towers



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	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
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	240	(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	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	180
(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
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11 2"x5 9")*	220	(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
(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")*	160
WD13X53 Antenna Mounting Frame (w/ 75)*	200	6' 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 is located in Butler County, Kentucky.
- 2 Tower designed for Exposure C to the TIA-222-G Standard.
- 3 Tower designed for a 90.00 mph basic wind in accordance with the TIA-222-G Standard
- 4 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
- 5 Deflections are based upon a 60.00 mph wind.
- 6 Tower is designed for feedlines distributed on 3 tower faces with a maximum of 6 lines exposed to the wind on any one face.
- 7 Weak link in diagonals from 140' to 120' for theoretical fall radius of half the tower height
- 8 TOWER RATING: 95.5%

MAX. CORNER REACTIONS AT BASE
 DOWN: 395 K
 UPLIFT: -330 K
 SHEAR: 32 K

AXIAL
 188 K

SHEAR
 6 K

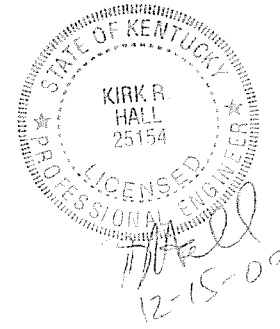
MOMENT
 834 kip-ft

TORQUE 1 kip-ft
 30.00 mph WIND - 0.75 in ICE

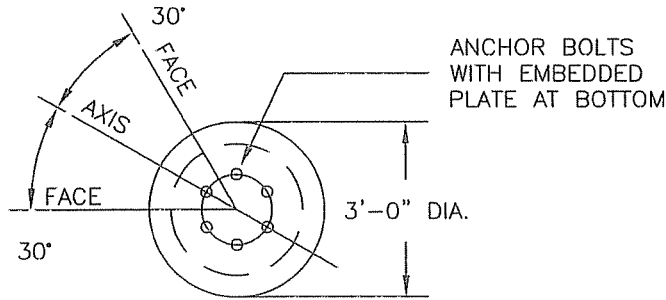
AXIAL
 79 K

MOMENT
 6390 kip-ft

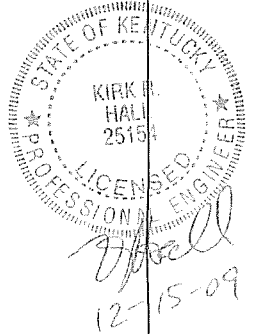
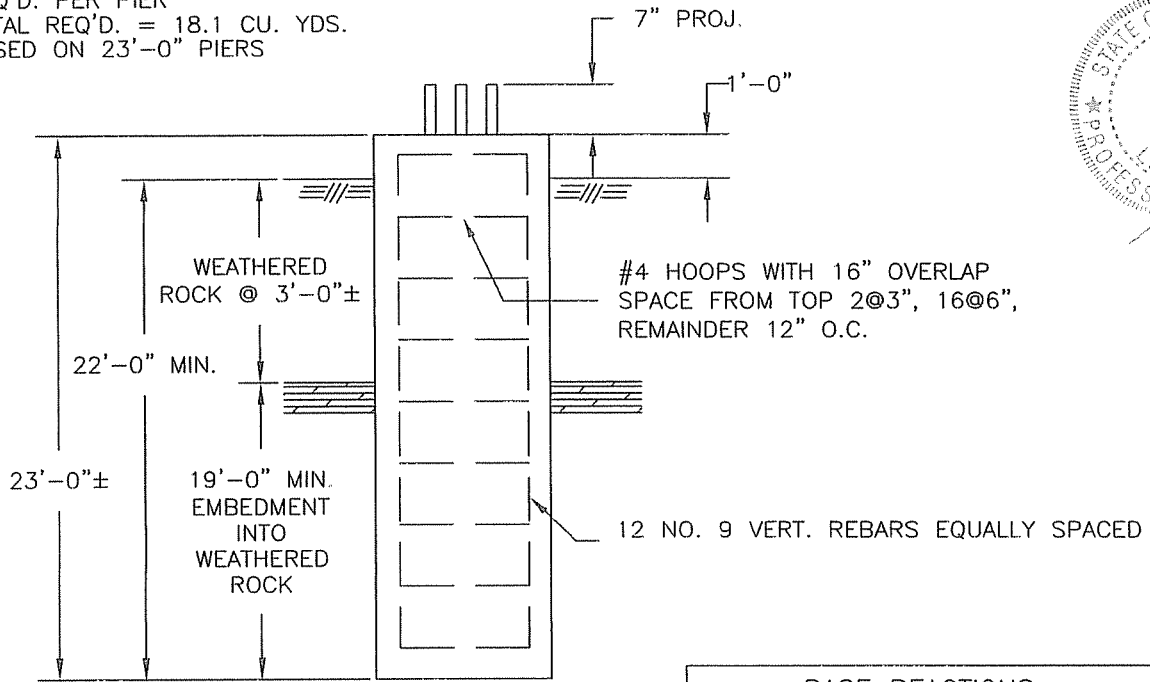
TORQUE 3 kip-ft
 REACTIONS - 90.00 mph WIND



World Tower Company 1213 Compressor Drive Mayfield, Kentucky 42066 Phone: (270) 247-3642 FAX: (270) 247-0909	Job: 240' WSST Job #Q09-1049 Project: Davis Crossroads, Kentucky Client: Bluegrass Cellular Code: TIA-222-G Path:	Drawn by: Kirk Hall Date: 12/14/09 App'd: Scale: NTS Dwg No. E-1
---	---	--



6.0 CU. YDS. CONCRETE
REQ'D. PER PIER
TOTAL REQ'D. = 18.1 CU. YDS.
BASED ON 23'-0" PIERS



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

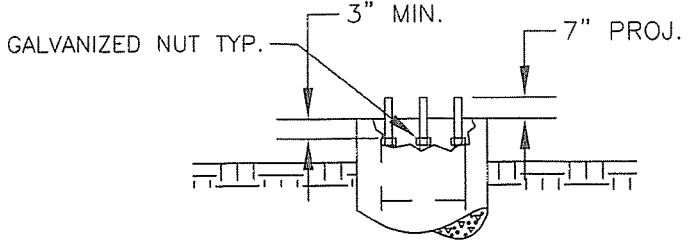
GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT 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. 57097352 DATED DECEMBER 7, 2009.

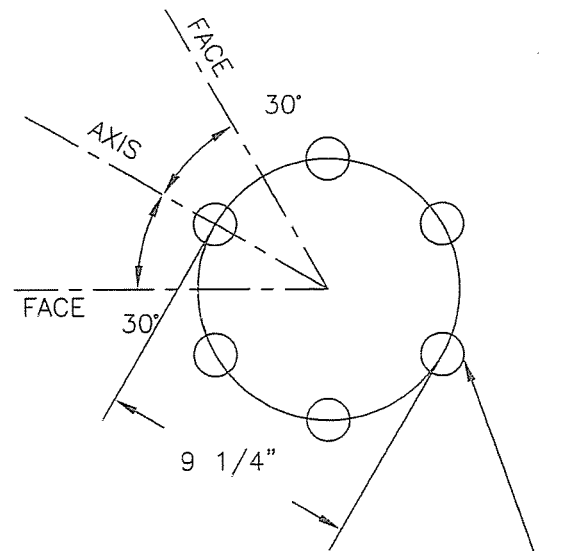
TITLE: FOUNDATION DETAIL
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: DAVIS CROSSROADS
BUTLER COUNTY, KY

WORLD TOWER

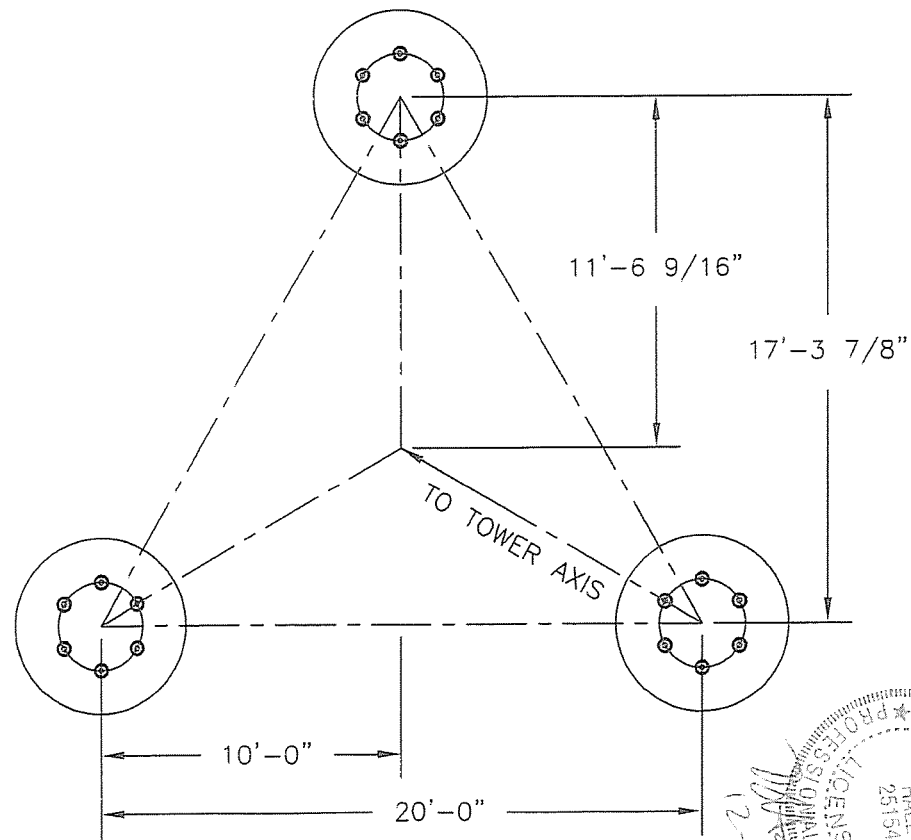
SCALE NONE DWN. LKB CKD. DATE 12-14-09
FILE DWG. NO. Q091049F



PIER ELEVATION



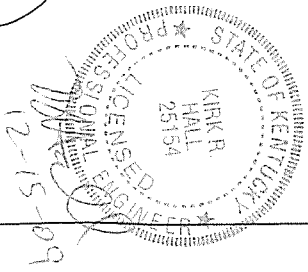
ANCHOR BOLTS 6 (18 TOTAL)
 1 1/4"Ø X 80" ASTM A354 GR. BC
 EQUALLY SPACED ON A 9 1/4"
 DIA. BOLT CIRCLE WITH TOP TEMPLATE
 AND EMBEDDED PLATE



WORLD TOWER

TITLE: ANCHOR BOLT LAYOUT
 240' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE: DAVIS CROSSROADS
 BUTLER COUNTY, KY

SCALE NONE	DWN. LKB	CKD.	DATE 12-14-09
FILE	DWG. NO.		Q091049AB



Geotechnical Engineering Report

Proposed 240' Self-Supporting Tower

Davis Crossroads

Lewisburg, Butler County, Kentucky

December 7, 2009

Project No. 57097352

Prepared for:

Bluegrass Cellular Partnership

Elizabethtown, Kentucky

Prepared by:

Terracon Consultants, Inc.

Louisville, Kentucky

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

December 7, 2009



Bluegrass Cellular Partnership
2902 Ring Road
Elizabethtown, Kentucky 42702

Attention: Mr. Doug Updegraff

Regarding: Geotechnical Engineering Report
Proposed 240' Self Supporting Tower
Site Name: Davis Crossroads
Lewisburg, Butler County, Kentucky
Terracon Project No.: 57097352


Dear Mr. Updegraff:

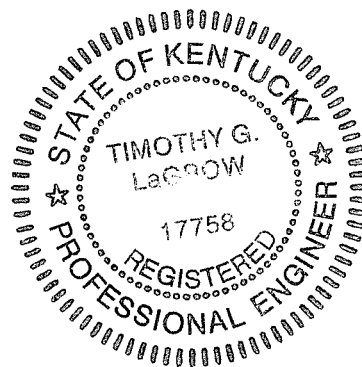
Terracon Consultants, Inc. (Terracon) has completed the geotechnical engineering services for the above referenced project. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations for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

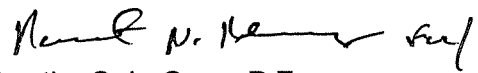
Terracon's geotechnical design parameters and recommendations within this report apply to the existing planned tower height and would apply to adjustments in the tower height, up to a 20% increase or decrease in height, as long as the type of tower does not change. If changes in the height of the tower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


Matthew R. Haines, E.I.
Staff Engineer




Timothy G. LaGrow, P.E.
Senior Principal
Kentucky PE#-17758

Copies
Addressee: 3 hard copy and 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

	Page
1.0 PROJECT INFORMATION	1
1.1 Project Description	1
1.2 Site Location and Description	1
2.0 SUBSURFACE CONDITIONS	2
2.1 Geology	2
2.2 Typical Profile	2
2.3 Groundwater	3
3.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION	4
3.1 Geotechnical Considerations	4
3.2 Foundation Recommendations	4
3.2.1 Drilled Pier Foundation System	4
3.2.2 Shallow Mat Foundation System	6
3.2.3 Equipment Building/Cabinet Foundations	7
3.3 Earthwork	7
3.3.1 Compaction Requirements	8
3.3.2 Construction Considerations	8
4.0 GENERAL COMMENTS	10

APPENDIX

- Boring Location Plan
- Boring Log
- Field Exploration and Laboratory Testing
- General Notes
- Unified Soil Classification
- General Notes - Sedimentary Rock Classification

**GEOTECHNICAL ENGINEERING REPORT
 PROPOSED 240' SELF-SUPPORTING TOWER
 DAVIS CROSSROADS
 LEWISBURG, BUTLER COUNTY, KENTUCKY
 Terracon Project No. 57097352
 December 7, 2009**

1.0 PROJECT INFORMATION

1.1 Project Description

ITEM	DESCRIPTION
Site layout	See Appendix A, Figure 1, Boring Location Diagram
Site Dimensions	About 100 feet by 100 feet
Tower	Self-Supporting, 240 feet tall
Maximum loads	Vertical: 600 kips (assumed) Shear: 80 kips (assumed) Uplift: 500 kip-ft (assumed)
Maximum allowable settlement	1-inch (assumed)
Equipment Building: Maximum Loads	Column: 25 kips (assumed) Wall: 1.5 kips/ft (assumed)
Equipment Building: Maximum allowable settlement	Total Settlement: 1-inch (assumed) Differential Settlement: 3/4 inch over 40 feet (assumed)
Grading	Minimal cut and fill expected

1.2 Site Location and Description

ITEM	DESCRIPTION
Location	Second District Volunteer Fire Department, Inc. 10813 Russellville Road, Lewisburg, Kentucky Site is located Northwest of the existing fire department building south of KY 626 and north of Caney Fork Road
Existing improvements	Undeveloped grass pasture
Current ground cover	Grass and weeds
Existing topography	Relatively level to gently sloping

2.0 SUBSURFACE CONDITIONS

2.1 Geology

FORMATION ¹	DESCRIPTION
Leitchfield Formation	This formation consists of shale, sandstone and limestone. Limestone is dark gray, fine grained and dense. Limestone is also deeply weathered and poorly exposed. Sandstone is light tan to brown, fine to medium grained. Shale is greenish blue and can weather to red clay. This formation is approximately 70 to 240 feet thick.

1. Based on the Geologic Map of *Sugar Grove* quadrangle, Kentucky, published by the Kentucky Geological Survey (1963).

It should be noted that the site is underlain by a formation that is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels within the rock strata and a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as a karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of the proposed structures. Our review of the available topographic and geologic mapping did not note any sinkholes on or around the site, or within a 1 mile radius of the property. Furthermore, the boring drilled at the site did not disclose any obvious signs of impending overburden collapse. The risks associated with karst geology are common for the project vicinity and are not unique to this site.

2.2 Typical Profile

The Boring was drilled at the approximate tower location. Based on the results of our boring, the subsurface conditions on the project site can be generalized as follows:

Description	Approximate Depth to Bottom of Stratum (feet)	Material Encountered	Consistency/Density
Surface	½	Topsoil	N/A
Stratum 1	2 ½	Sandy Lean Clay	Hard
Stratum 2	22	Weathered rock (apparent sandstone and limestone with clay seams) ¹	Hard
Stratum 3	28	Competent Limestone	Recovery = 97% RQD = 83%

1. Auger refusal was encountered at 18 foot below ground surface. Upon coring the bedrock, a clay seam was disclosed from 19 to 22 feet below ground surface.

Geotechnical Engineering Report

Proposed 240' Self-Supporting Telecommunication Tower, Lewisburg, Kentucky
Terracon Project Number 57097352



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

2.3 Groundwater

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

3.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION

3.1 Geotechnical Considerations

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

3.2 Foundation Recommendations

3.2.1 Drilled Pier Foundation System

The proposed tower can be founded on a straight shaft drilled pier foundation system. Based on the results of field and laboratory testing, we have developed the following drilled pier design parameters.

Approximate Depth (feet) ¹	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Cohesion (psf)	Internal Angle of Friction (Degrees)	Strain ϵ_{50}	Lateral Subgrade Modulus (pci)
0 – 3	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
Weathered Rock (apparent sandstone and limestone) 3 – 22	1,500	5,000	3,000	10,000	--	0.001	225
Competent Limestone 22 – 28	5,000 ²	40,000	10,000 ²	100,000 ²	---	0.00001	3000

1. Pier observation is recommended to adjust pier length if variable soil/rock conditions are encountered. A total unit weight of 130 and 160 pcf can be assumed for the weathered rock and limestone bedrock, respectively.
2. The pier should be embedded a minimum of 3 feet into competent limestone to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have 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 and rock types. These values should, therefore, be considered approximate. To mobilize the higher rock strength parameters, the pier(s) should be socketed at least 3 feet into competent limestone. Furthermore, it is assumed that the rock socket is developed using coring rather than blasting techniques. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. If the drilled piers are designed using the above parameters and bear within the weathered bedrock, settlements are not anticipated to exceed 1 inch.

The upper 3 feet of topsoil and lean clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in lateral and uplift resistance caused by variable subsurface conditions and or bedrock depths, 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 piers are embedded in suitable materials, it is recommended that a Terracon representative observe the drilled pier excavations.

If a bedrock socket is required, it is recommended that a minimum pier length and minimum competent rock socket length be stated on the design drawings. Competent rock was encountered in our boring below a depth of about 22 feet, but could vary between tower legs, if the tower is moved from the location of our boring, or if significant grade changes occur at the site. If the tower center is moved more than 25 feet, our office should be notified to review our recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

Although our boring was able to penetrate the highly weathered sandstone to a depth of 18 feet, there is a possibility that larger diameter drilled pier equipment will refuse on this material at higher elevations than shown in our boring. The contractor should recognize the hardness of the material and be prepared to use rock teeth or other means to extend through these layers.

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

A concrete slump of at least 6 inches is recommended to facilitate temporary casing removal. It should be possible to remove the casing from a pier excavation during concrete placement provided

that the concrete inside the casing is maintained at a sufficient level to resist any earth and hydrostatic pressures outside the casing during the entire casing removal procedure.

3.2.2 Shallow Mat Foundation System

If desired, a mat foundation can be used to support the proposed tower. The mat foundation can be designed using the following natural soil/engineered fill parameters.

The gently sloping site and relatively shallow overburden may result in slight excavation difficulties to achieve a level bearing pad. These difficulties could include bedrock excavation.

DESCRIPTION	VALUE
Foundation Subgrade ¹	Suitable native weathered rock or engineered granular fill extending to suitable native weathered rock
Net allowable bearing pressure ²	5,000 psf
Allowable passive pressure ³	1,500 psf
Coefficient of sliding friction ³	0.5
Vertical Modulus of Subgrade Reaction (pci)	200
Minimum embedment below finished grade for frost protection	18 inches
Approximate total settlement ⁴	1 inch

1. If weathered rock provides an irregular bearing surface for the mat foundation, over excavated areas should be backfilled with well graded granular fill. The material should be compacted to 98% of maximum dry density as shown in table 3.3.1 Compaction Requirements. A geotechnical engineer should verify footing subgrade prior to concrete placement
2. Assumes any soft or unsuitable soils, if encountered, will be undercut and replaced with approved engineered granular fill. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation.
3. The sides of the excavation for the spread footing foundation must be nearly vertical and the concrete should be placed neat against these vertical faces for the passive earth pressure values to be valid. If the loaded side is sloped or benched, and then backfilled, the allowable passive pressure will be significantly reduced. Passive resistance in the upper 3 feet of the soil profile should be neglected. Lateral resistance due to friction at the base of the footing should be ignored where uplift also occurs.
4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footing, the thickness of compacted fill, and the quality of the earthwork operations.

Uplift forces can be resisted by the dead weight of the footing and the effective weight of any soil above the footing. A unit weight of soil not exceeding 115 pcf is appropriate for the on-site soils backfilled above the foundation, assuming that it is compacted to at least 95 percent of standard

Proctor maximum dry density (ASTM D-698). A unit weight of 150 pcf could be used for reinforced footing concrete. The ground surface should be sloped away from the foundation to avoid ponding of water and saturation of the backfill materials.

The base of all foundation excavations should be free of water and loose soil 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.

3.2.3 Equipment Building/Cabinet Foundations

DESCRIPTION	VALUE
Foundation Subgrade ¹	Suitable stable native soils or weathered rock
Net allowable bearing pressure ²	2,500 psf
Minimum footing sizes Isolated:	2 feet by 2 feet
Wall :	16 inches wide
Coefficient of sliding friction	0.35
Minimum embedment below finished grade for frost protection ³	18 inches
Approximate total settlement ⁴	1 inch

1. A geotechnical engineer should verify footing subgrade prior to concrete placement.
2. Assumes any soft or unsuitable soils, if encountered, will be undercut and replaced with approved engineered fill. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation.
3. For perimeter footing and footings beneath unheated areas.
4. 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 any compacted fill, and the quality of the earthwork operations.

3.3 Earthwork

Site preparation should begin with removal of topsoil, vegetation, organics and any soft or otherwise unsuitable materials from the entire construction area. We recommend the actual stripping depth along with any soft soils that will require undercutting be evaluated by the geotechnical engineer at the time of construction. Engineered fill should meet the following material property requirements:

Fill Type ¹	USCS Classification	Acceptable Location for Placement ¹
Sandy clay	CL (LL<50 & PI<22)	Beneath equipment building and access road all elevations
Well graded granular material	GW, SW, SM, and SC ²	All locations and elevations
On-site soils (weathered rock)		Beneath equipment building and access road assuming it can be broken down to maximum particle size of 4 inches.

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. Any fill to be placed beneath the tower footing should consist of well graded granular material.
2. Similar to crushed limestone aggregate or limestone screenings or granular material such as sand, gravel or crushed stone (pug mix).

2.3.1 Compaction Requirements

Fill Lift Thickness	9-inches or less in loose thickness
Compaction Requirements ¹	98% of the materials standard Proctor maximum dry density (ASTM D-698)
Moisture Content – Granular Material	Workable moisture levels ²
Moisture Content – Cohesive Soil	Within the range of optimum moisture content to 2% above or 1% below optimum moisture content as determined by the standard Proctor test at the time of placement

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.
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.

3.3.2 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

Geotechnical Engineering Report

Proposed 240' Self-Supporting Telecommunication Tower, Lewisburg, Kentucky
Terracon Project Number 57097352



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.

4.0 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



NORTH

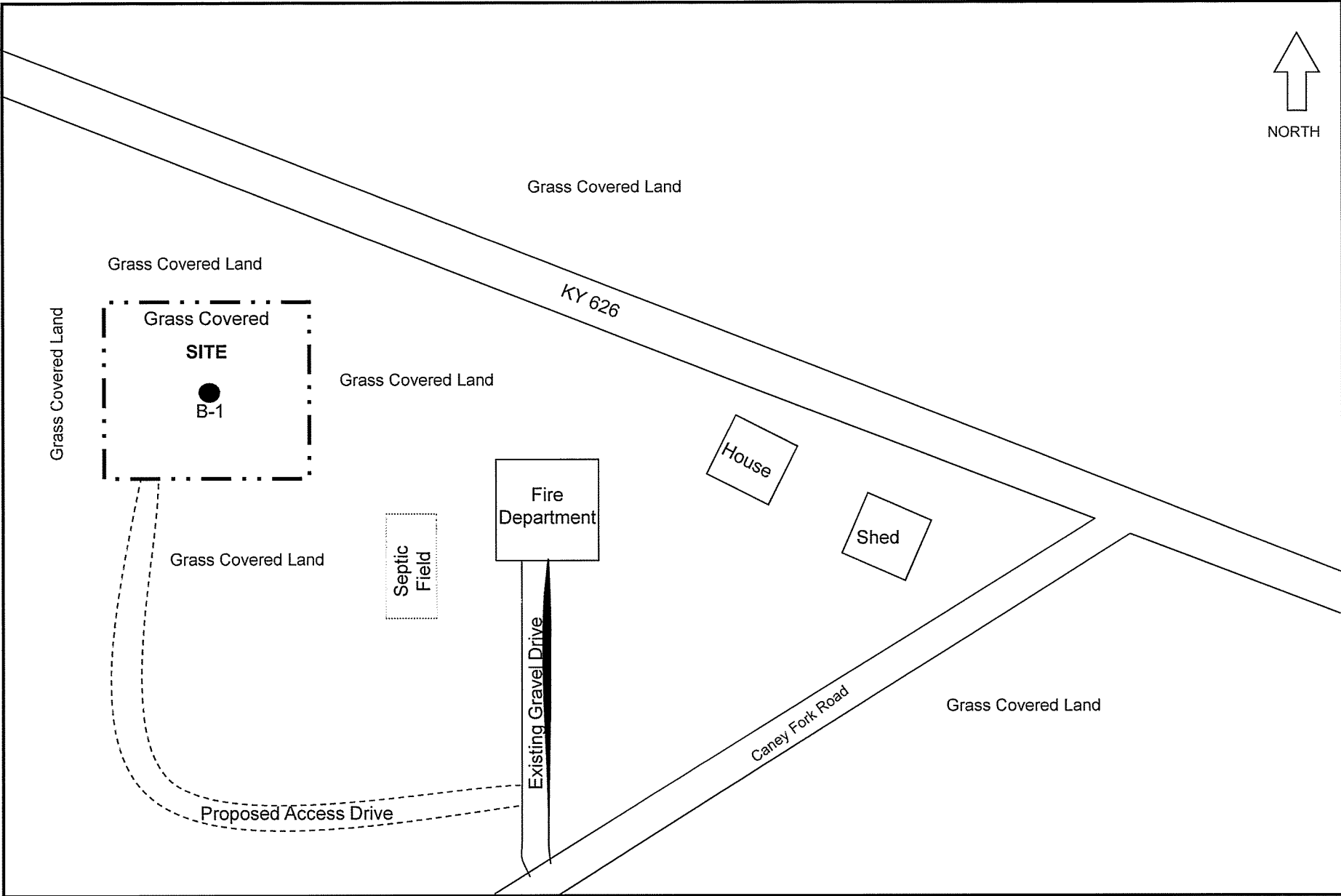


Figure 1
BORING LOCATION DIAGRAM
SCALE: NTS



Bluegrass Cellular
Davis Crossroads
Lewisburg, KY
PROJECT NO. 57097352

LOG OF BORING NO. B-1

CLIENT Bluegrass Cellular Partnership									
SITE 10813 Russellville Rd Lewisburg, Kentucky		PROJECT 240' Self Support Tower Davis Crossroads							
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES			TESTS		
				NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf
	Approx. Surface Elev.: 610 ft								
	0.5 TOPSOIL 609.5								
	2.5 SANDY LEAN CLAY with trace roots and weathered rock fragments, brownish red, hard 607.5		CL	1	SS	14	6-50/2"	23	7000*
	HIGHLY WEATHERED ROCK (apparent sandstone), light brown, hard, slightly moist	5		2	SS	2	50/2"	7	
				3	SS	1	50/1"	4	
				4	SS	1	50/0"	7	
		15		5	SS		50/0"		
	18 592								
	19 Auger refusal at 18 feet began coring 591		R-1	DB	43%	RQD	13%		
	22 LIMESTONE , severely weathered, gray, hard, thin bedded	20							
	22 CLAY (weathered limestone) 588								
	LIMESTONE , slightly weathered, gray, hard, thin bedded		R-2	DB	97%	RQD	83%	165	11275 psi
	28 582	25							
	Coring terminated at 28 feet								

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

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

WATER LEVEL OBSERVATIONS, ft		
WL	▽	▽
WL	▽	▽
WL	N/E	



BORING STARTED	11-19-09
BORING COMPLETED	11-19-09
RIG CME 550	FOREMAN KR
APPROVED BK	JOB # 57097352

BOREHOLE 99 57097352 BORING LOGS.GPJ TERRACON.GDT 12/4/09

Field Exploration Description

The boring was drilled at the center of the lease area as staked in the field by the owner's representative. The approximate boring location is shown on the enclosed boring location plan. The surface elevation shown on the boring log was obtained from the site plan provided by the client.

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

A CME automatic SPT hammer was used to advance the split-barrel sampler in the boring 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.

Auger refusal was encountered at a depth of about 18 feet. Below this depth, the boring was advanced into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) were determined.

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

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

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

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

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

Laboratory Testing

The samples were classified in the laboratory based on visual observation, texture and plasticity. The descriptions of the soils indicated on the boring logs 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 logs. A brief description of this classification system is attached to this report.

The laboratory testing program consisted of performing water content testing. An unconfined compression test was also performed on a rock core sample. Results of these tests are provided on the boring log at the appropriate horizon. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification.

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

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

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

WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 – 1,000	2-3	Soft
1,001 – 2,000	4-6	Medium Stiff
2,001 – 4,000	7-12	Stiff
4,001 – 8,000	13-26	Very Stiff
8,000+	26+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Ring Sampler (RS) Blows/Ft.</u>	<u>Relative Density</u>
0 – 3	0-6	Very Loose
4 – 9	7-18	Loose
10 – 29	19-58	Medium Dense
30 – 49	59-98	Dense
50+	99+	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

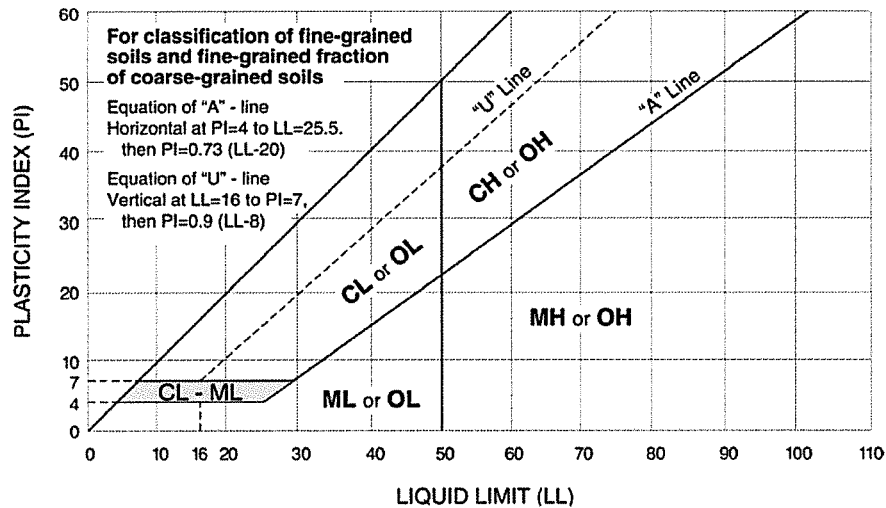
<u>Term</u>	<u>Plasticity Index</u>
Non-plastic	0
Low	1-10
Medium	11-30
High	30+

UNIFIED SOIL CLASSIFICATION SYSTEM

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

- ^A Based on the material passing the 3-in. (75-mm) sieve
- ^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
- ^C 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.
- ^D 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 $Cu = D_{60}/D_{10}$ $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
- ^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.
- ^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

- ^H If fines are organic, add "with organic fines" to group name.
- ^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.
- ^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.
- ^K If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.
- ^L If soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.
- ^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.
- ^N $PI \geq 4$ and plots on or above "A" line.
- ^O $PI < 4$ or plots below "A" line.
- ^P PI plots on or above "A" line.
- ^Q PI plots below "A" line.



GENERAL NOTES

Description of Rock Properties

WEATHERING

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

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

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

Joint, Bedding, and Foliation Spacing in Rock ^a

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

a. Spacing refers to the distance normal to the planes, of the described feature, which are parallel to each other or nearly so.

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

a. RQD (given as a percentage) = length of core in pieces 4 in. and longer/length of run.

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

Site: Davis Crossroads
 Lease Boundary and Topographic Survey
 Butler County, Kentucky

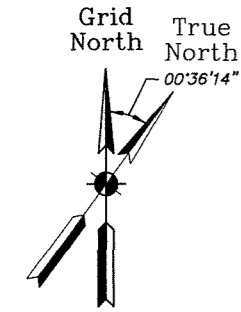
Lease Tract
 0.213 Acres or 9,300 Sq.Ft.
 No Zoning in Butler County
 Second District Volunteer Fire Department, Inc.
 Deed Book 127, Page 523

Proposed Self-Support Tower

Lat. = 37°03'12.39" North (NAD 1983)
 Lon. = 86°44'45.32" West (NAD 1983)
 Ground Elev. = 605.1 feet or 184.43 m (NAVD 1988)

P.O.B. of Lease Tract
 and Easement

Reduced
 Copy



Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on November 12, 2009 using the National Geodetic Survey monument "GPS 45" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information

Designation: Davis Crossroads
 Site ID#: None
 Horizontal Datum: NAD 1983 (2007)
 Latitude: 37°03'12.39" North
 Longitude: 86°44'45.32" West
 Vertical Datum: NAVD 1988
 Ground Elevation: 605.1 feet (184.43 m)
 State Plane Coordinates
 Northing: 1,904,129.49 feet (580,379.829 m)
 Easting: 1,349,796.35 feet (411,418.750 m)

Landowner Information

Landowner: Second District Vol. Fire Dept.
 Address: 10813 Russellville Road
 Lewisburg, Kentucky 42256
 Contact Person: Glyn Tyre, President
 Phone: 270-526-5107
 PVA Map No. 040-00-00-014.01

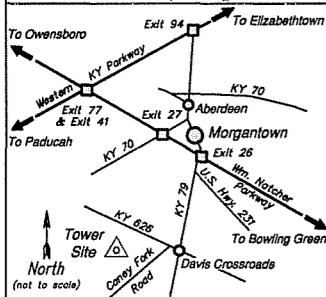
Project Bench Mark

Northing: 1,903,968 feet (580,331 m)
 Easting: 1,349,812 feet (411,424 m)
 Elevation: 610.72 feet (186.148 m)
 Description: The corner of the concrete apron at the southwest corner of the Fire Dept. building. The benchmark is approximately 162' south of the center of the tower.

Flood Plain Statement

According to the Flood Insurance Rate Map for the Unincorporated Areas of Butler County, Kentucky, Community Panel No. 210029 0175 C, dated June 5, 1989; the subject site lies within "Other Areas Zone X", which is defined as "areas determined to be outside 500-year flood plain".

Vicinity Map



Directions to Site

From Elizabethtown, Kentucky: travel west on the Western Kentucky Parkway for about 42 miles to Exit 94 and Kentucky Highway 79 near Caneyville; turn left and travel south on Kentucky Highway 79 for about 18.5 to the Butler County Courthouse in downtown Morgantown; turn right and continue south on Kentucky Highway 79, passing under the William Natcher Parkway at 2.1 miles, for about 13.4 miles in all to Kentucky Highway 626 at Davis Crossroads; turn right onto Kentucky Highway 626 and travel west for 0.15 miles to Caney Fork Road; turn left onto Caney Fork Road and travel southwest for 0.1 miles to the Second District Volunteer Fire Dept. drive on the right; turn right onto the drive and travel north to the northwest side of the Fire Dept. and the tower site near Kentucky Highway 626.

Curve	Length	Radius	Long Chord
C1	22.39(c)	30.00(c)	S28°32'59"W 21.87(c)
C2	26.68(c)	30.00(c)	S18°18'30"E 25.81(c)
C3	64.05(c)	60.00(c)	S13°12'23"E 61.06(c)
C4	23.14(c)	40.00(c)	S00°48'07"W 22.82(c)
C5	34.72(c)	60.00(c)	N00°48'07"E 34.23(c)
C6	42.70(c)	40.00(c)	N13°12'23"W 40.70(c)
C7	44.47(c)	50.00(c)	N18°18'30"W 43.02(c)
C8	37.31(c)	50.00(c)	N28°32'59"E 36.45(c)

Course	Bearing	Length
L1	S07°10'25"W	20.00(c)
L2	N82°49'35"W	54.87(c)
L3	S49°55'34"W	25.28(c)
L4	S07°10'25"W	35.74(c)
L5	S43°47'25"E	89.83(c)
L6	S17°22'39"W	156.58(c)
L7	S15°46'25"E	14.45(c)
L8	S74°12'28"W	20.00(c)
L9	N15°46'25"W	14.45(c)
L10	N17°22'39"E	156.58(c)
L11	N43°47'25"W	89.83(c)
L12	N07°10'25"E	35.74(c)
L13	N49°55'34"E	6.79(c)
L14	N82°49'35"W	17.89(c)
L15	N07°10'25"E	20.00(c)

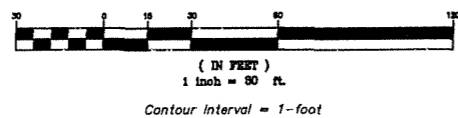
Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed to determine any defects and/or ambiguities in the title of the parent tract on the subject site. The presence of existing utilities 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 utilities 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. David Fields, County Judge Executive of Butler 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 (270) 526-3433 for confirmation.
- The proposed location of the Davis Crossroads cell site will be located outside of an incorporated city.

Legend

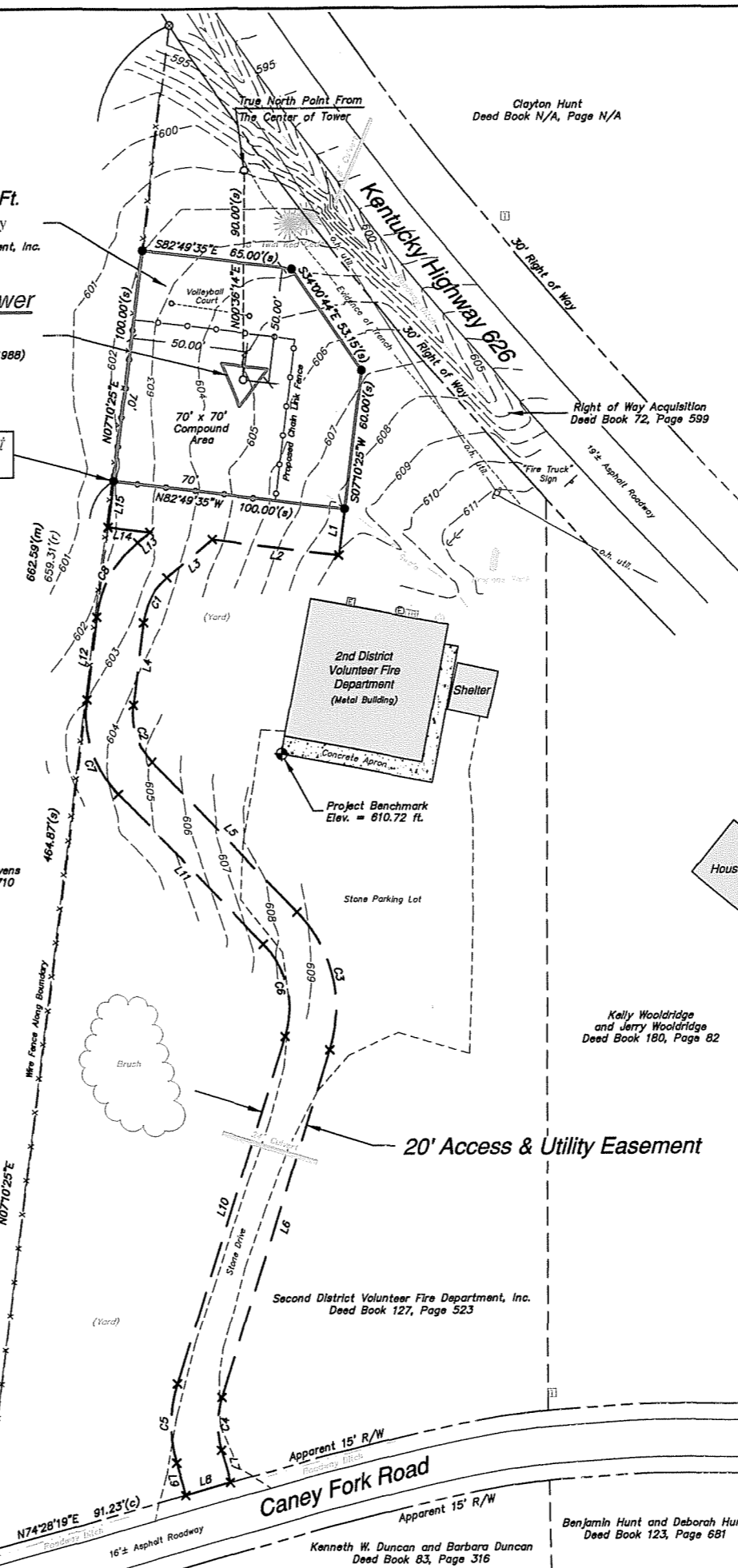
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- ⊙ 5/8" Rebar Found Flush
- ⊗ 1/2" Rebar Found Exposed 28"
- × Calculated Position - No Monument Found or Set
- Subject Boundaries
- - - Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- ⊕ Utility Pole
- ⊙ Electric Meter
- ⊠ Electric Conduit
- ⊖ Guy Anchor
- ⊞ Telephone Pedestal
- ⊠ Telephone Box
- ⊕ Gas Regulator
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

GRAPHIC SCALE



P.O.C. of Lease Tract

The southwest corner of the 2.5-acre tract described in deed to the Second District Volunteer Fire Department, Inc. on November 19, 1991 in Deed Book 127, Page 523 in the office of the County Clerk of Butler County, Kentucky.



Lease Boundary and Easement Description

A tract of land that is located on the south side of Kentucky Highway 626 about 800' northwesterly of the intersection of said highway with Caney Fork Road in the Davis Crossroads Community of Butler County, Kentucky; said tract being described as follows:
 COMMENCING AT the southwest corner of the 2.5-acre tract described in deed to the Second District Volunteer Fire Department, Inc. on November 19, 1991 in Deed Book 127, page 523 in the office of the County Clerk of Butler County, Kentucky; said corner being monumented by a 5/8-inch rebar found flush at a wood corner post on the northern right of way of Caney Fork Road (15 feet from the centerline); thence, along the western boundary of said 2.5-acre tract, North 07 degrees 10 minutes 25 seconds East 464.87 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, continue on the western boundary of said 2.5-acre tract, North 07 degrees 10 minutes 25 seconds East 100.00 feet to a rebar set flush; thence South 82 degrees 49 minutes 35 seconds East 65.00 feet to a rebar set flush; thence South 34 degrees 00 minutes 44 seconds East 53.15 feet to a rebar set flush; thence South 07 degrees 10 minutes 25 seconds West 60.00 feet to a rebar set flush; thence North 82 degrees 49 minutes 35 seconds West 100.00 feet to the point of beginning and containing 0.213 acres (9,300 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.213-acre lease tract to Caney Fork 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 southwest corner of the above-described 0.213-acre lease tract and being on the western boundary of the aforesaid 2.5-acre tract; thence South 82 degrees 49 minutes 35 seconds East 100.00 feet to a rebar set flush with said Helms survey cap at the southeast corner of the above-described 0.213-acre lease tract; thence South 07 degrees 10 minutes 25 seconds West 20.00 feet; thence North 82 degrees 49 minutes 35 seconds West 54.87 feet; thence South 49 degrees 55 minutes 34 seconds West 25.28 feet; thence South 07 degrees 10 minutes 25 seconds East 61.06 feet and having a radius of 30.00 feet and subtended by a long chord having a bearing of South 28 degrees 32 minutes 59 seconds West and a length of 21.87 feet; thence South 07 degrees 10 minutes 25 seconds West 35.74 feet; thence Southeasterly 26.68 feet along an arc to the left and having a radius of 30.00 feet and subtended by a long chord having a bearing of South 18 degrees 18 minutes 30 seconds East and a length of 25.81 feet; thence South 43 degrees 22 minutes 39 seconds East 156.58 feet to the Southeasterly 26.68 feet along an arc to the right and having a radius of 60.00 feet and subtended by a long chord having a bearing of South 13 degrees 12 minutes 23 seconds East and a length of 61.06 feet; thence South 17 degrees 22 minutes 39 seconds West 156.58 feet; thence Southerly 23.14 feet along an arc to the left and having a radius of 40.00 feet and subtended by a long chord having a bearing of South 07 degrees 48 minutes 07 seconds East and a length of 34.23 feet; thence North 17 degrees 22 minutes 39 seconds East 156.58 feet; thence South 15 degrees 46 minutes 25 seconds East 14.45 feet to the northern right of way of Caney Fork Road (15 feet from the centerline); thence, along said northern right of way, South 74 degrees 12 minutes 28 seconds West 20.00 feet; thence North 15 degrees 46 minutes 25 seconds West 14.45 feet; thence Northerly 34.72 feet along an arc to the right and having a radius of 60.00 feet and subtended by a long chord having a bearing of North 00 degrees 48 minutes 07 seconds East and a length of 34.23 feet; thence North 17 degrees 22 minutes 39 seconds East 156.58 feet; thence North 43 degrees 47 minutes 25 seconds West 89.83 feet; thence Northwesterly 44.47 feet along an arc to the right and having a radius of 50.00 feet and subtended by a long chord having a bearing of North 18 degrees 18 minutes 30 seconds East and a length of 43.02 feet to the western boundary of the aforesaid 2.5-acre tract; thence, along said western boundary, North 07 degrees 10 minutes 25 seconds East 35.74 feet; thence, leaving said western boundary, Northwesterly 37.31 feet along an arc to the right and having a radius of 50.00 feet and subtended by a long chord having a bearing of North 28 degrees 32 minutes 59 seconds East and a length of 36.45 feet; thence North 49 degrees 55 minutes 34 seconds East 6.79 feet; thence North 82 degrees 49 minutes 35 seconds West 17.89 feet to the western boundary of the aforesaid 2.5-acre tract; thence North 07 degrees 10 minutes 25 seconds East 20.00 feet to the point of beginning.

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on November 12, 2009 using the National Geodetic Survey monument "GPS 45". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on November 12, 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 the Second District Volunteer Fire Department, Inc. on November 19, 1991 in Deed Book 127, page 523 in the office of the County Clerk of Butler County, Kentucky.

Surveyor's Certification

I hereby certify that this plot has been compiled from a survey actually made upon the ground under my direct supervision on November 12, 2009 by the method of baseline survey with sidestops. The unadjusted precision ratio of the baseline was 1:61,500 and it was not adjusted. This survey is a Class A survey and the accuracy and precision of this survey meets all the specifications of this class.

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

Nov. 24, 2009
 Date

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

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0850
 Email: landmark@msurvey.com
 Project No. 09-11-0081

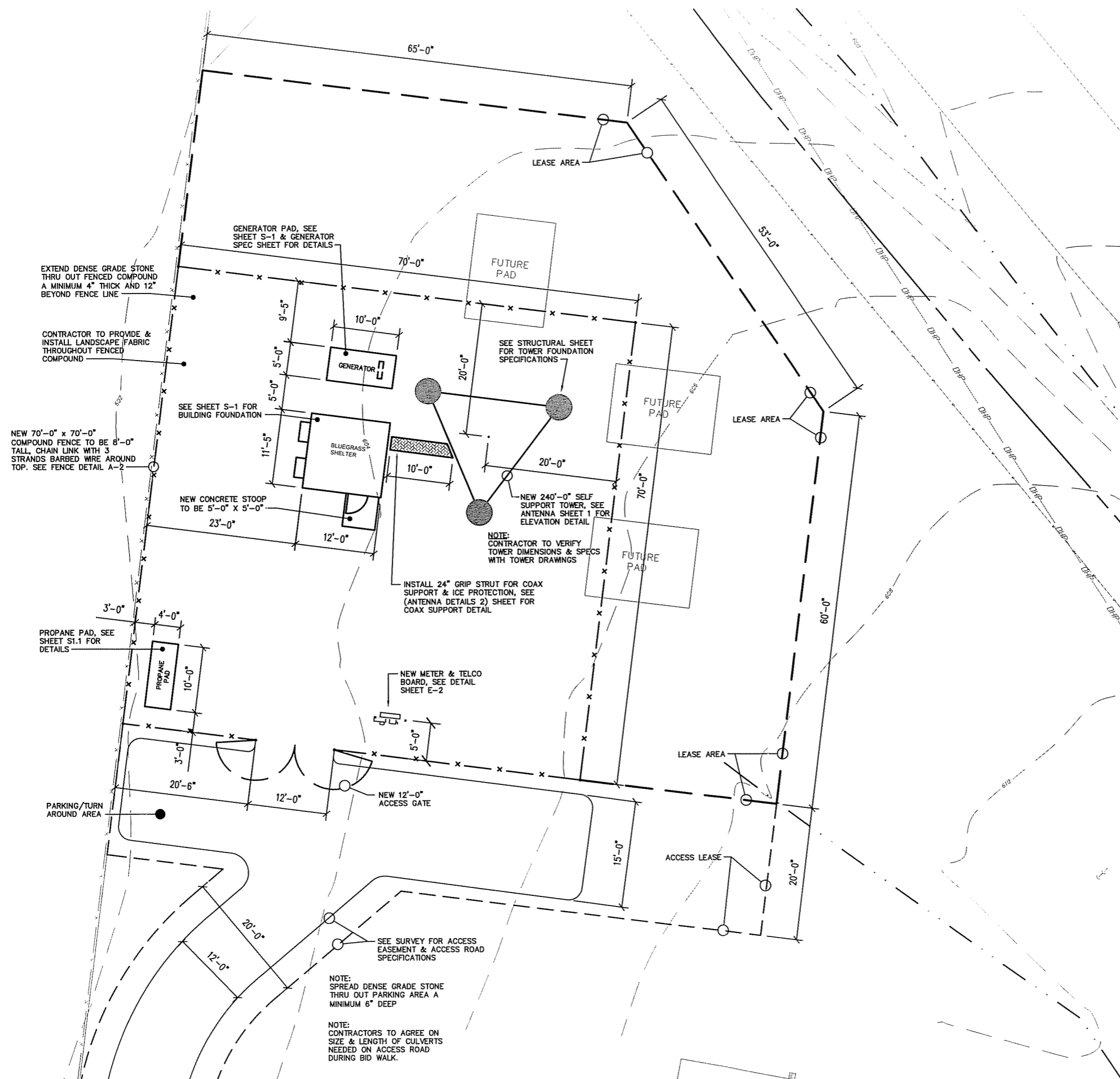
Lease Boundary Survey
 63 Fire Station Lane
 Morgantown, Kentucky 42261

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 11-24-09
 DRAWN BY: A. Whittier
 CHECKED BY: D.L. Helms

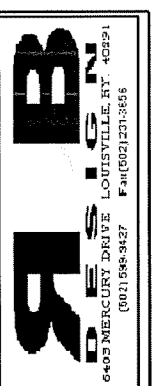
SHEET NO. 1
 OF 1 SHEETS
 FILE NO. davis.dwg



GENERAL NOTES:

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

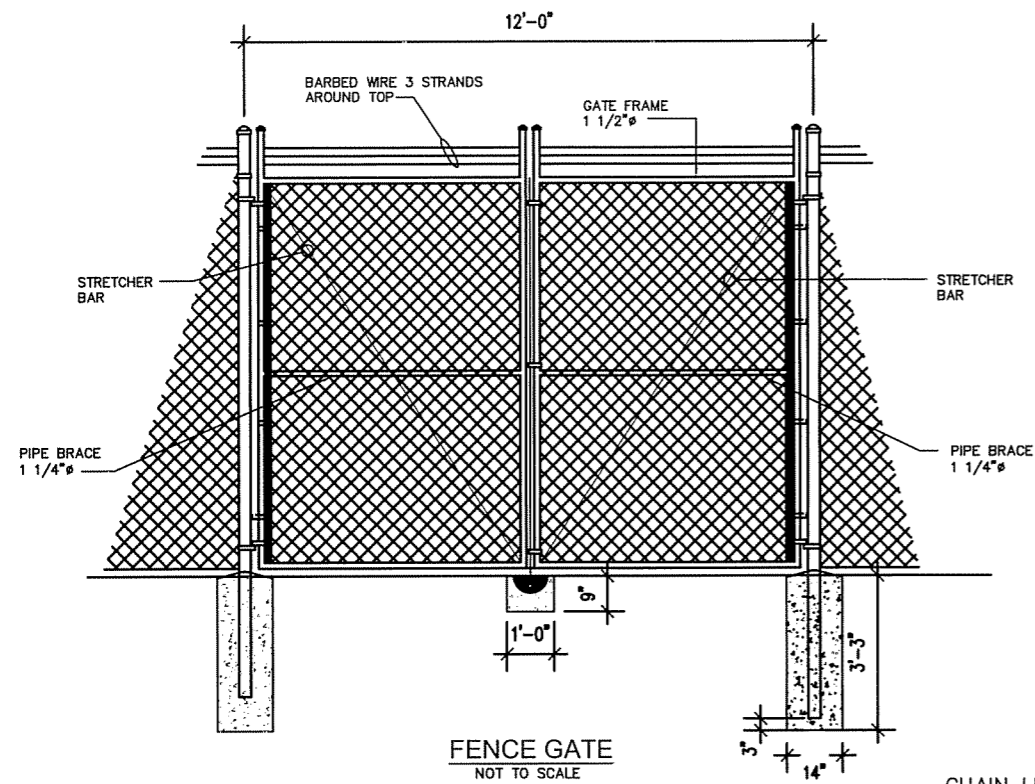
SITE PLAN
SCALE: 1/16" = 1'-0"



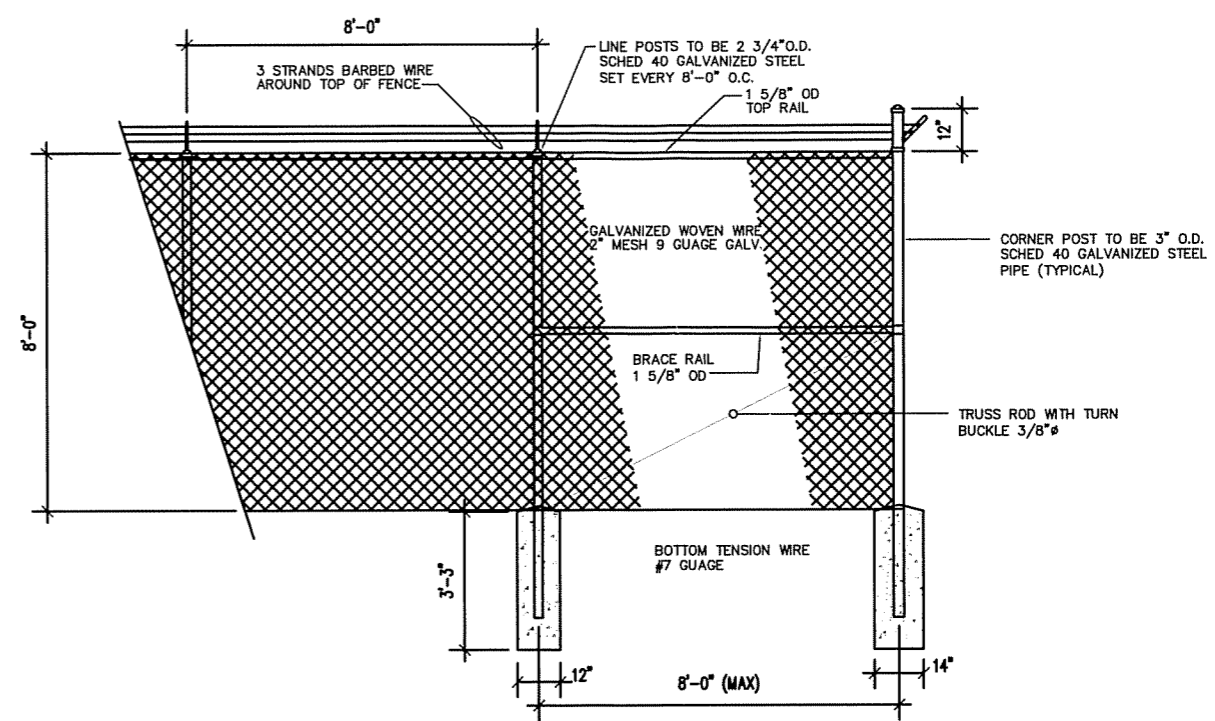
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER	ISSUE DATE: 11-30-09	SCALE: LISTED
SHEET NUMBER A-1		



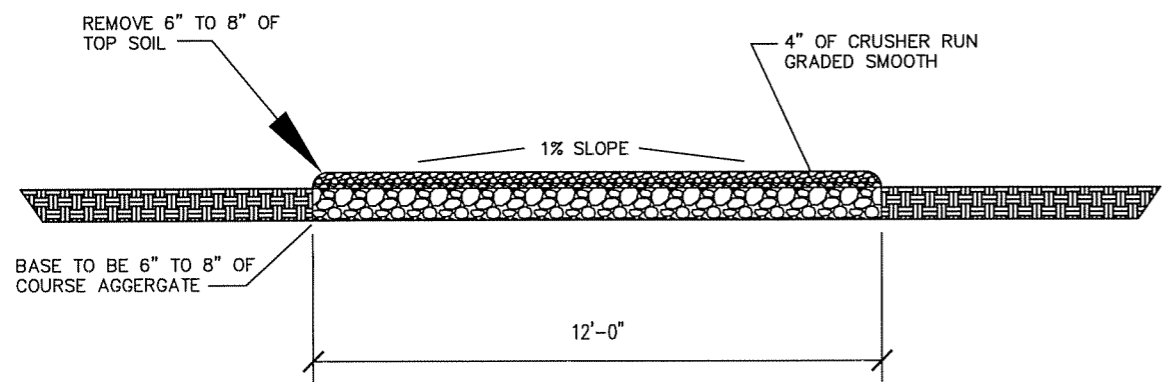
FENCE GATE
NOT TO SCALE



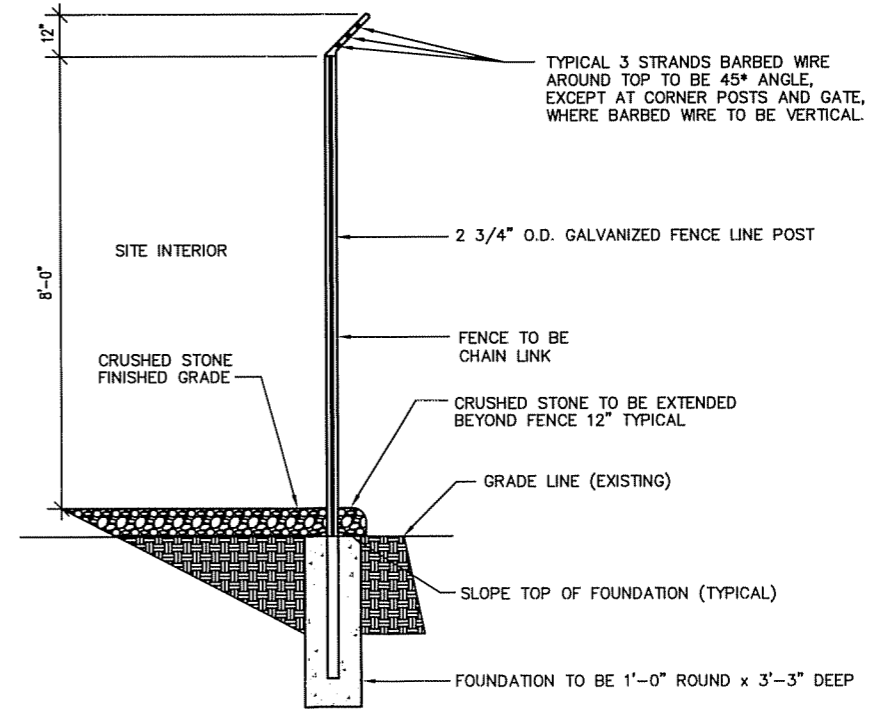
FENCE DETAIL END POLES
NOT TO SCALE

CHAIN LINK FENCING NOTES:

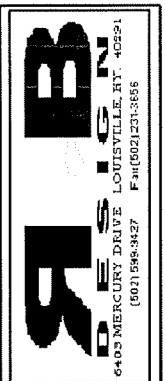
- FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- POSTS:** SHALL BE 2 3/4" O.D. SS 40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



ROAD DETAIL
NOT TO SCALE



FENCE DETAIL LINE POLES
NOT TO SCALE



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER
ISSUE DATE: 11-30-09
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.

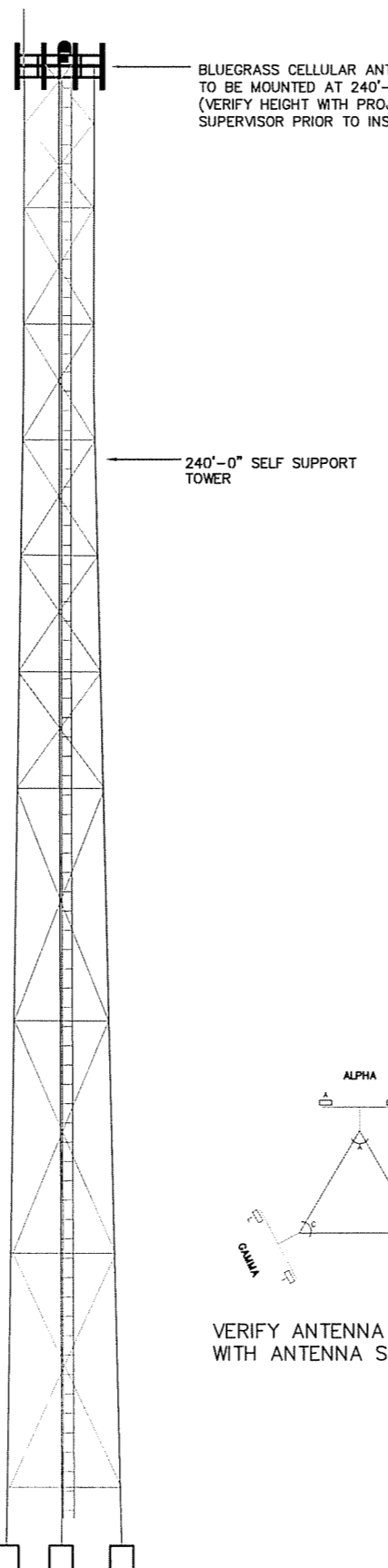
ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS

BLUEGRASS CELLULAR ANTENNAS (6) TO BE MOUNTED AT 240'-0" C/L (VERIFY HEIGHT WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION)



VERIFY ANTENNA ORIENTATION WITH ANTENNA SPECIFICATIONS

SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	PENDING	L=78.6 W=10.3 D=4.6	6	40*, 175*, 275*	240'-0" C/L VERIFY WITH CONSTRUCTION SUPERVISOR
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

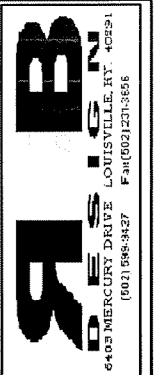
	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 1*E
- * ANTENNA FREQUENCY 880.00 - 890.00



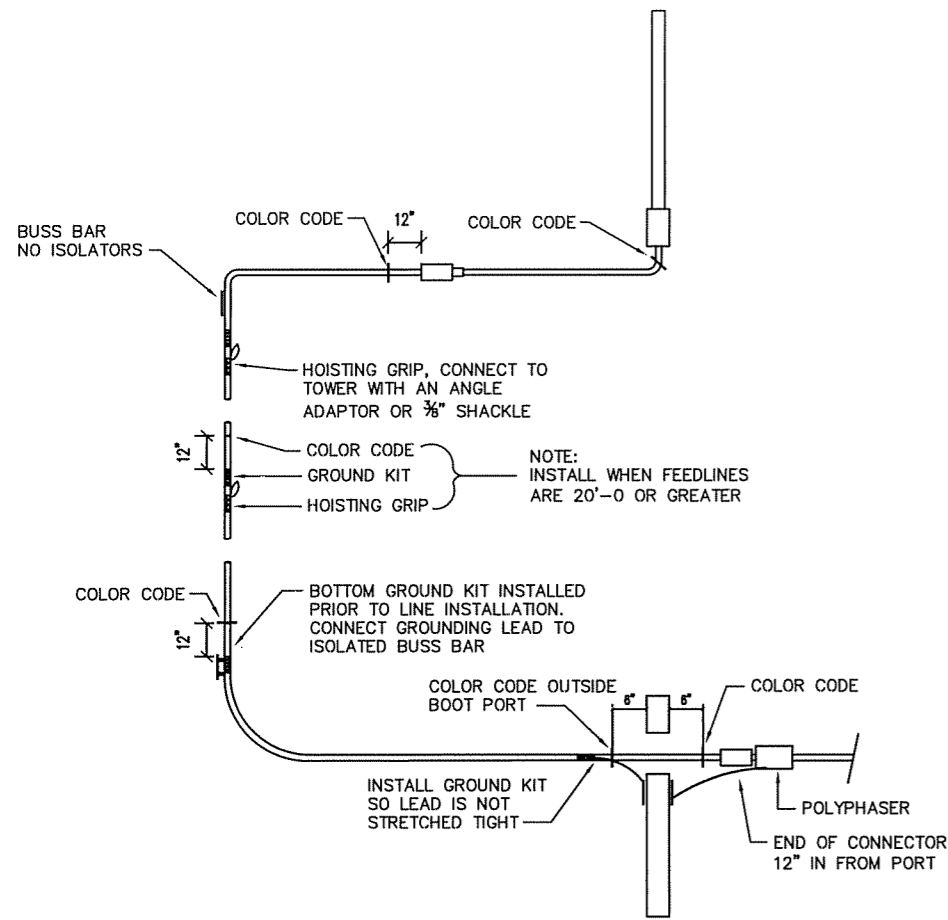
REVISION

NO. DATE

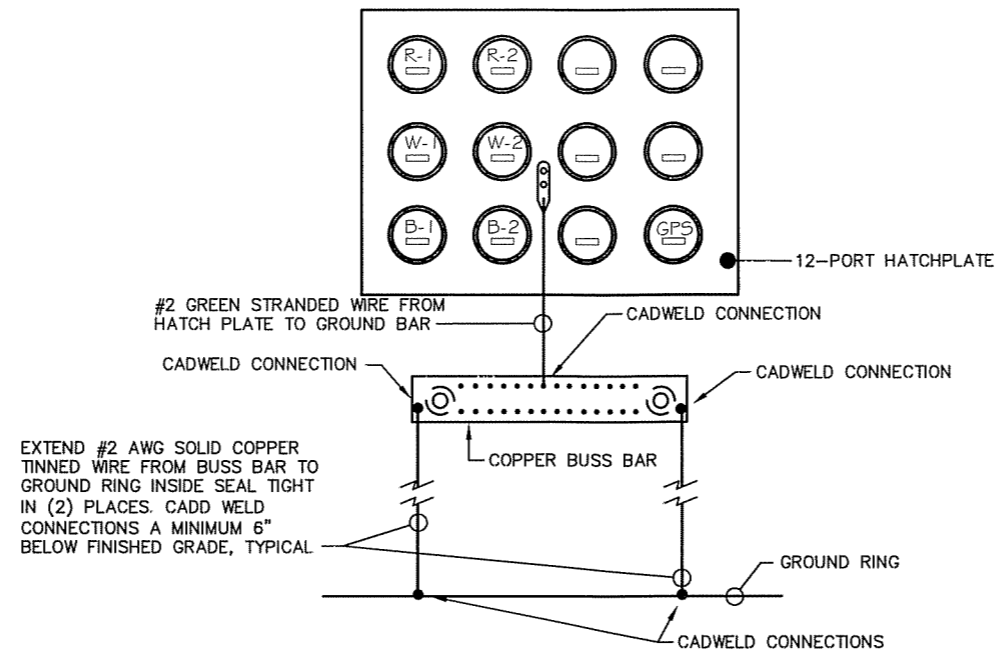
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER
ISSUE DATE: 11-30-09
SCALE: LISTED

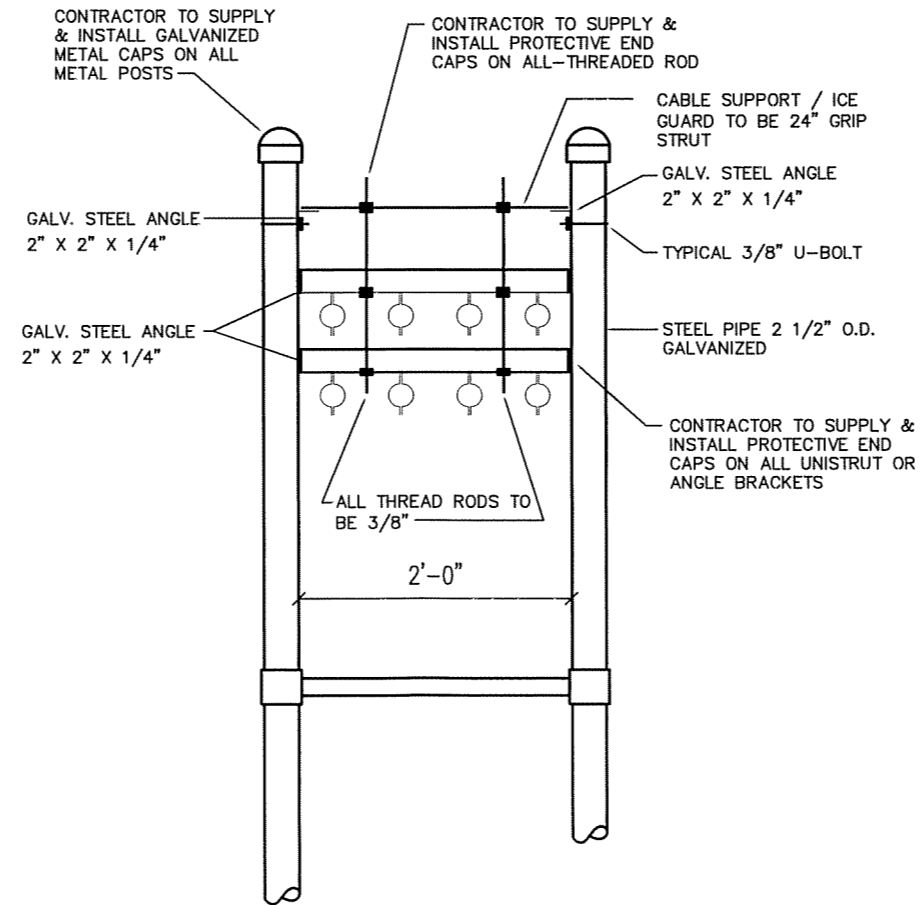
SHEET NUMBER
ANTENNA DETAILS
1



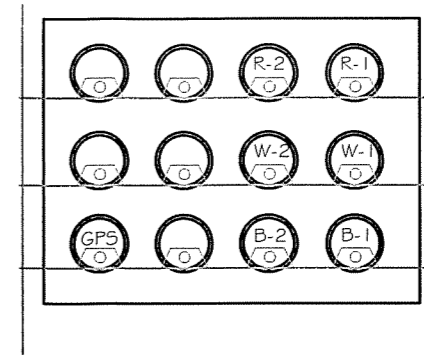
COLOR CODING DETAIL
NO SCALE



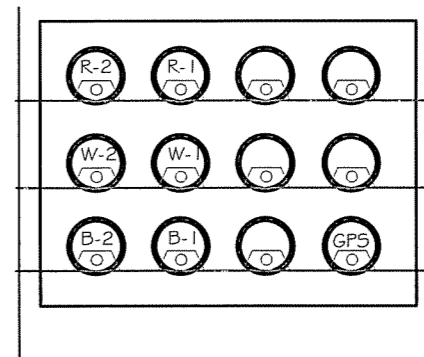
BOOT PORT GROUNDING DETAIL
NO SCALE



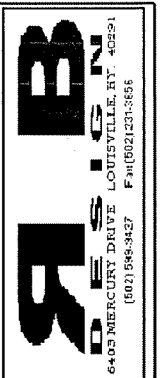
ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



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



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



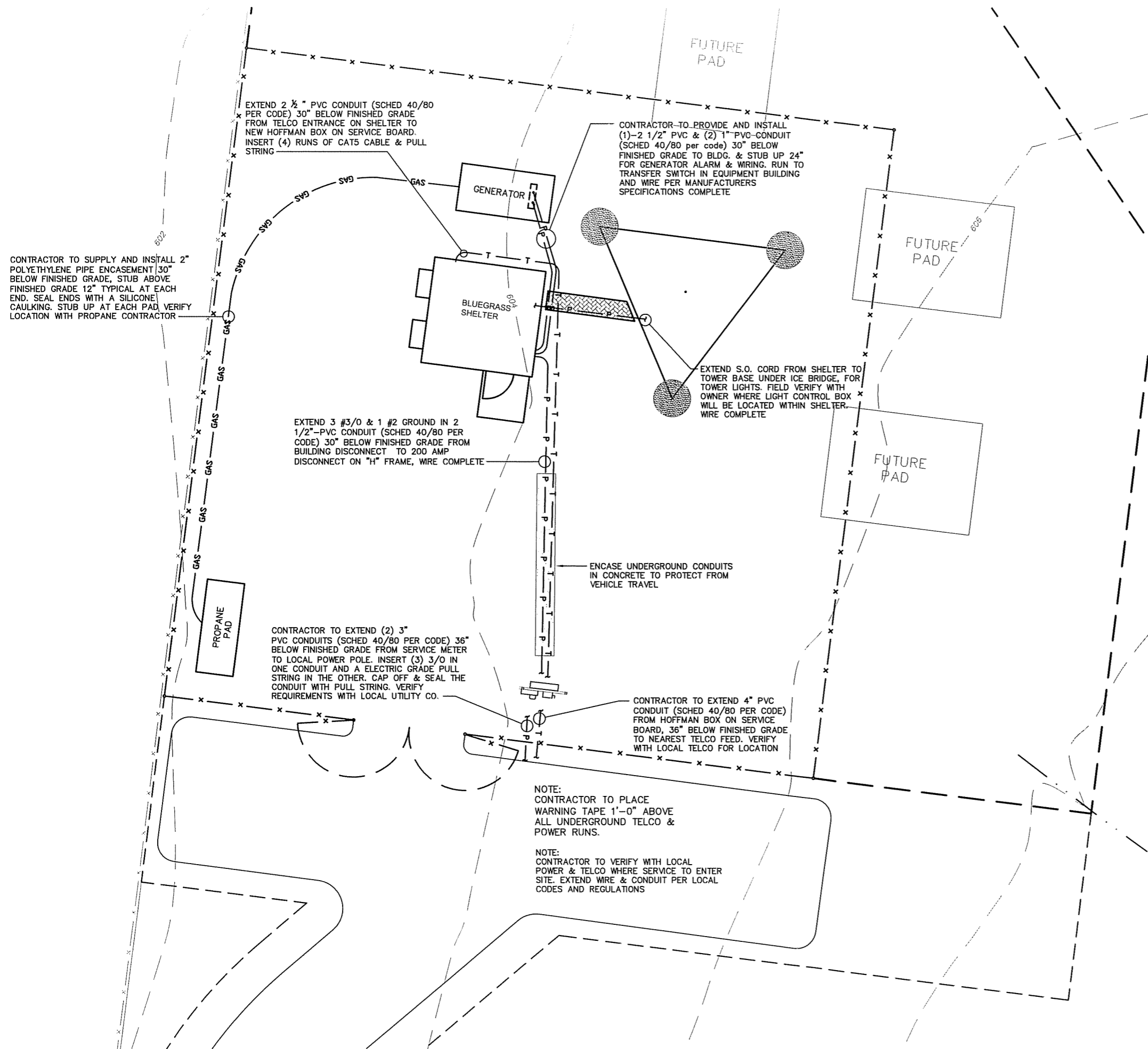
63 FIRE STATION RD. MORGANTOWN, KY. 42261
 (606) 586-3427 FAX (606) 527-5665

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
 STANDARD CELLULAR SITE
DAVIS CROSSROADS
 63 FIRE STATION RD. MORGANTOWN, KY. 42261

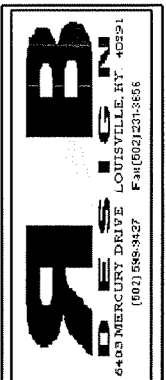
DRAWN BY: R. BECKER
 ISSUE DATE: 11-30-09
 SCALE: LISTED

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)

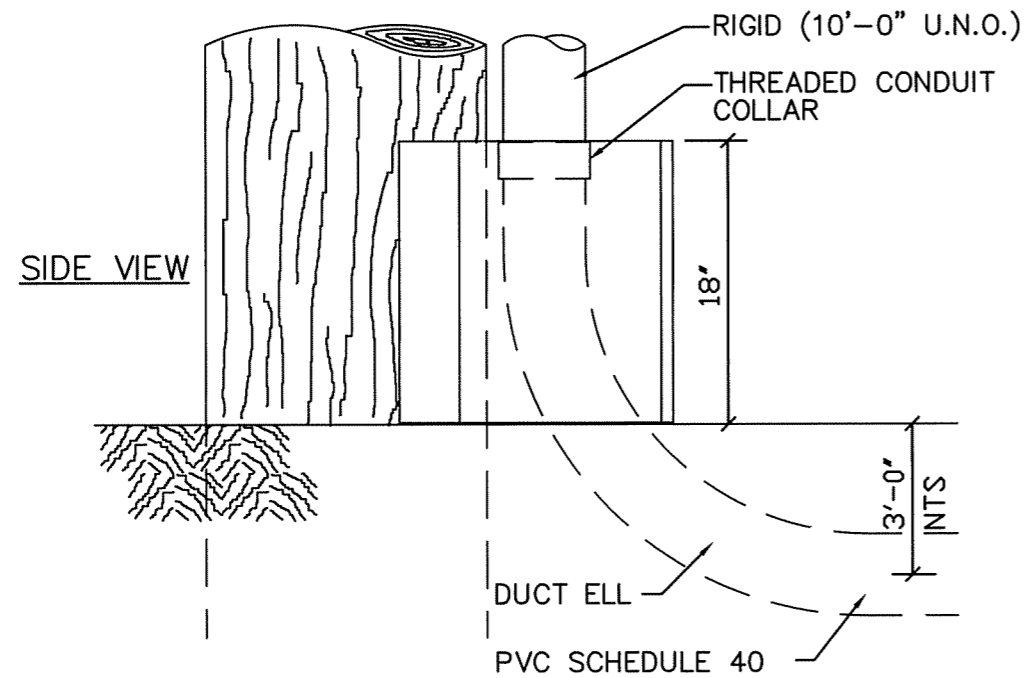
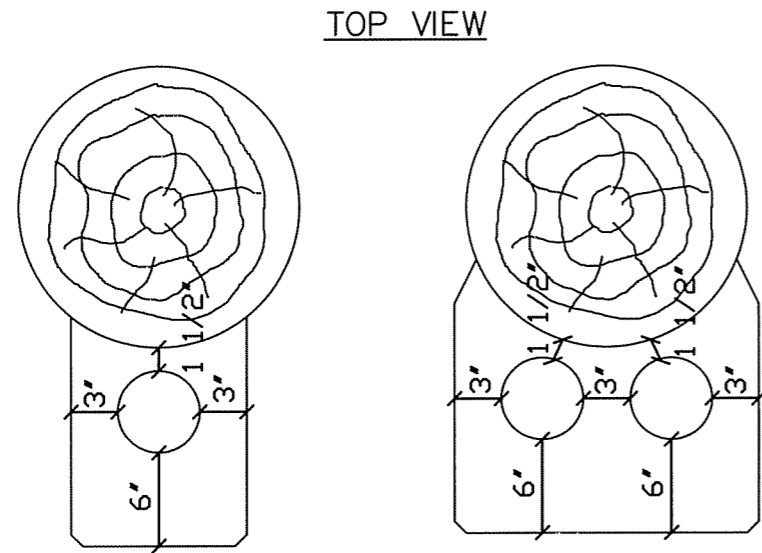
SITE PLAN- ELECTRICAL
 SCALE: 3/32" = 1'-0"



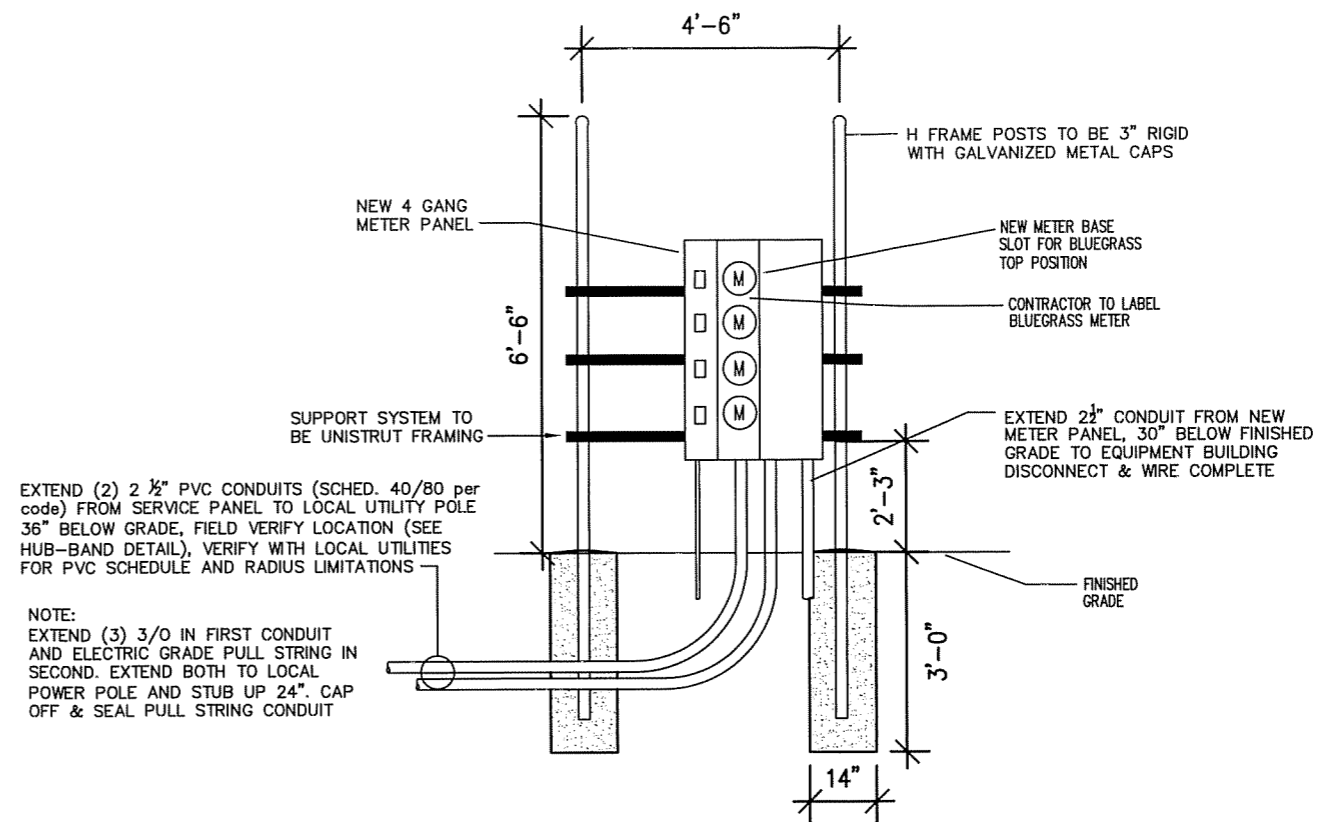
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
 63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER	ISSUE DATE: 11-30-09	SCALE: LISTED
SHEET NUMBER E-1		



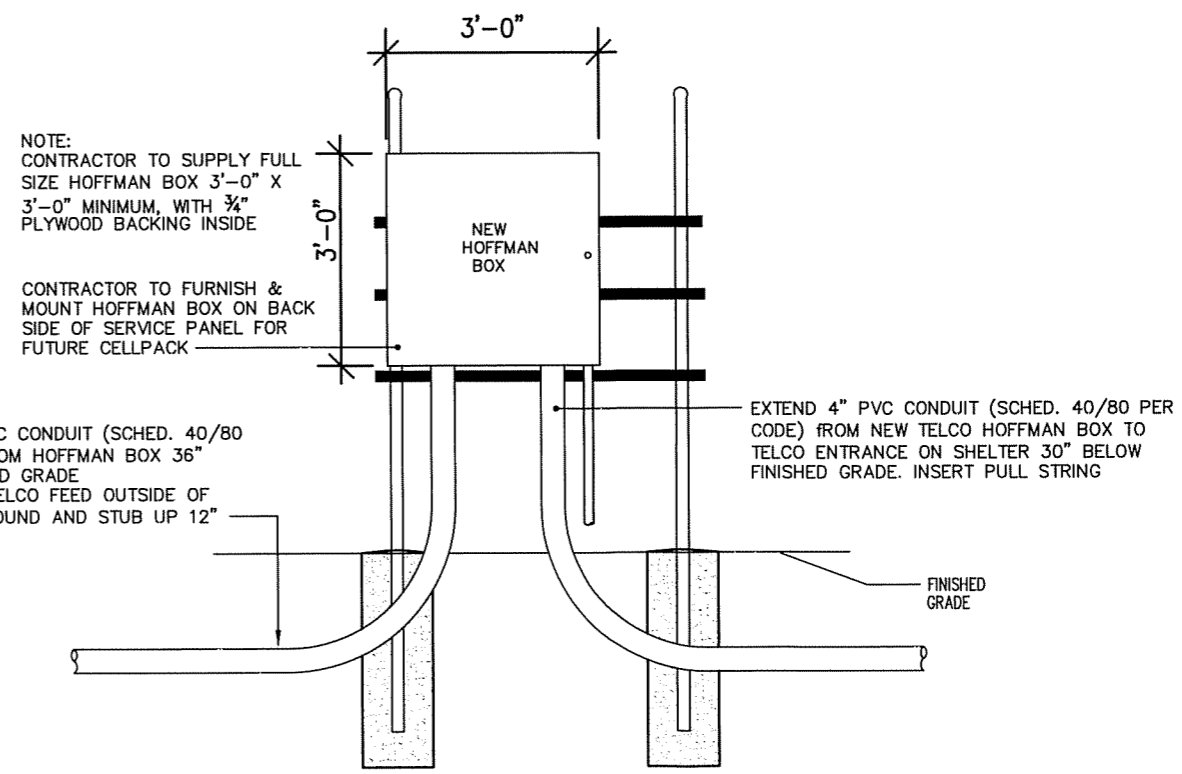
HUB-BAND DETAIL
 NO SCALE



EXTEND (2) 2 1/2" 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

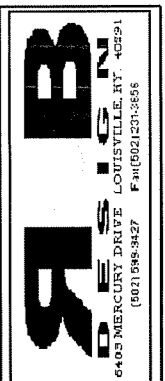
SERVICE BOARD DETAIL
 NO SCALE



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

BACKBOARD DETAIL
 NO SCALE

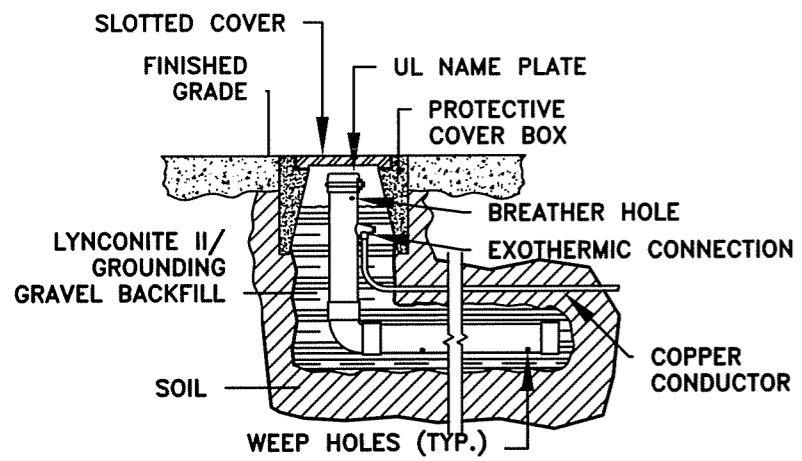


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
 63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER
 ISSUE DATE: 11-30-09
 SCALE: LISTED

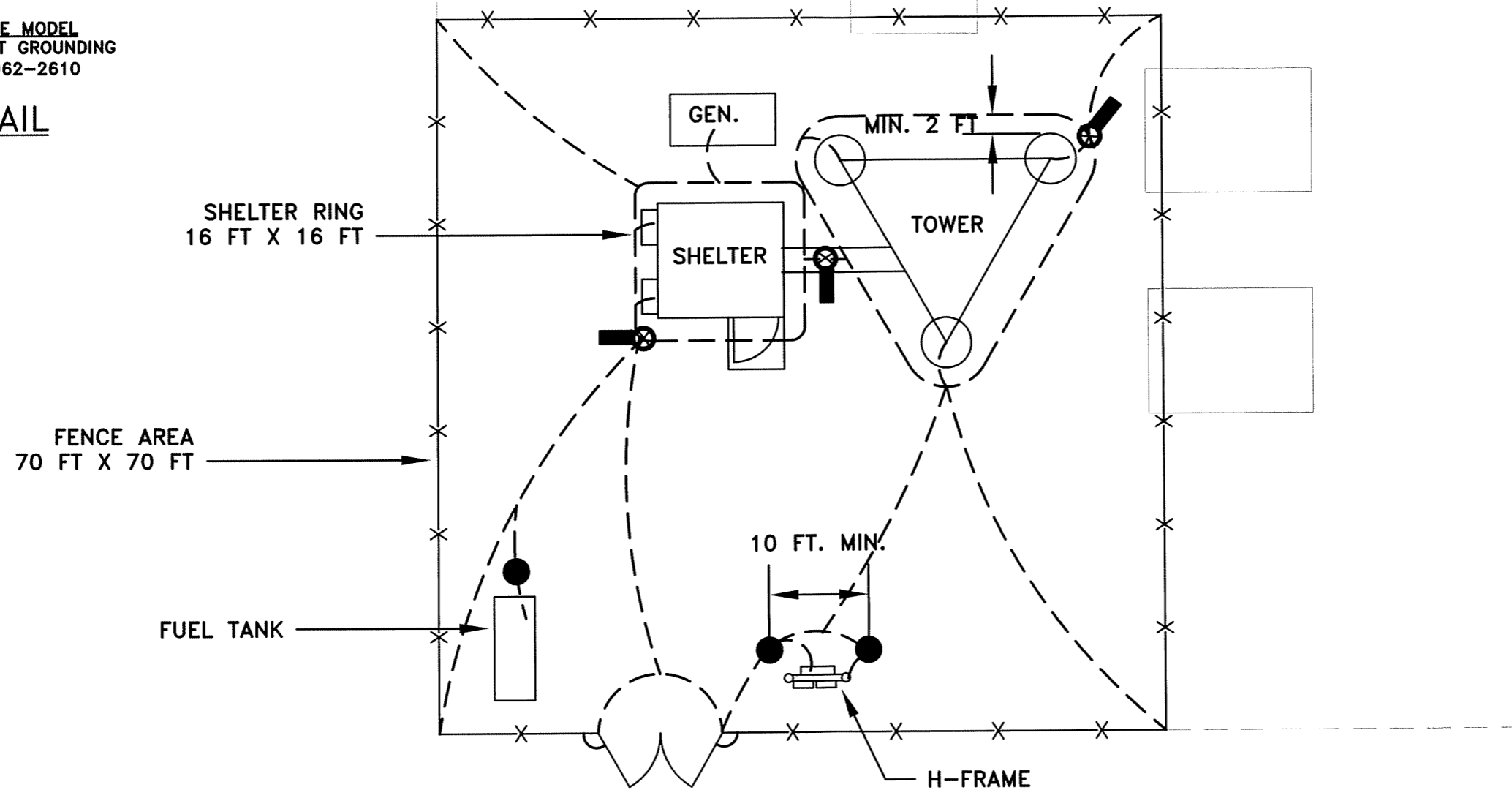
SHEET NUMBER
 E-2



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

DETAIL

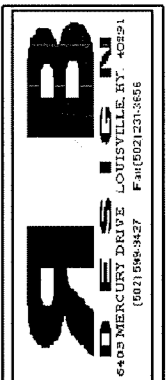
← LEASE AREA



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
- 3/4 IN. X 10 FT. COPPER CLAD DRIVEN ROD
- ⊗ K2L-10CS (SEE DETAIL)

		CLIENT / END USER	
		RSB DESIGN / BLUEGRASS CELLULAR	
DRAWING PROJECT NAME		1 DAVIS CROSSROADS	
TITLE			
GROUNDING OPTION			
LOCATION: CITY, STATE		CALCULATED RESISTANCE	
MORGANTOWN, KY		< 5 OHMS	
DRAWN BY	APPROVED BY	DATE	
DCN		12/11/09	
REFERENCE NUMBER		SCALE	LTS NUMBER
TERRACON		N/A	NONE 090208

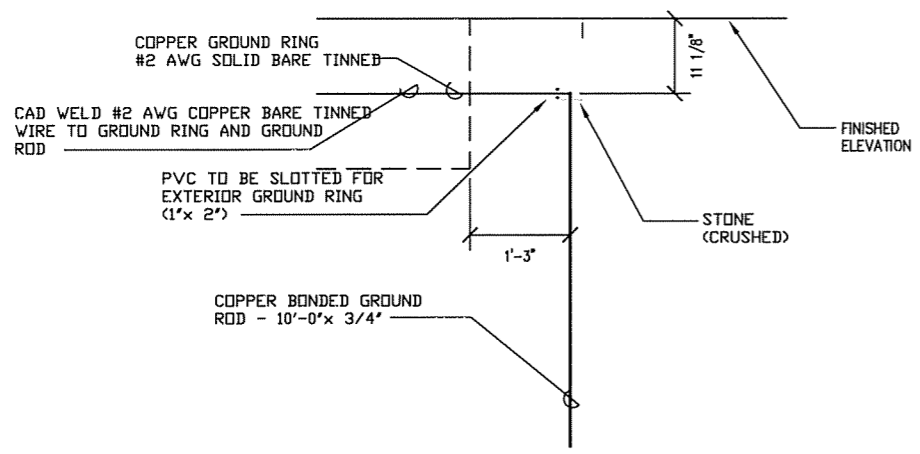


NO.	DATE	REVISION

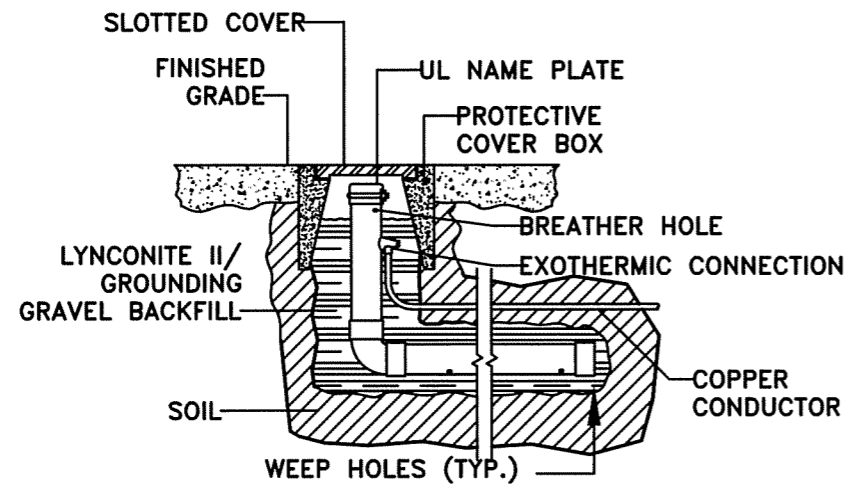
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER	ISSUE DATE: 11-30-09	SCALE: LISTED
------------------------	-------------------------	------------------

SHEET NUMBER
E-4

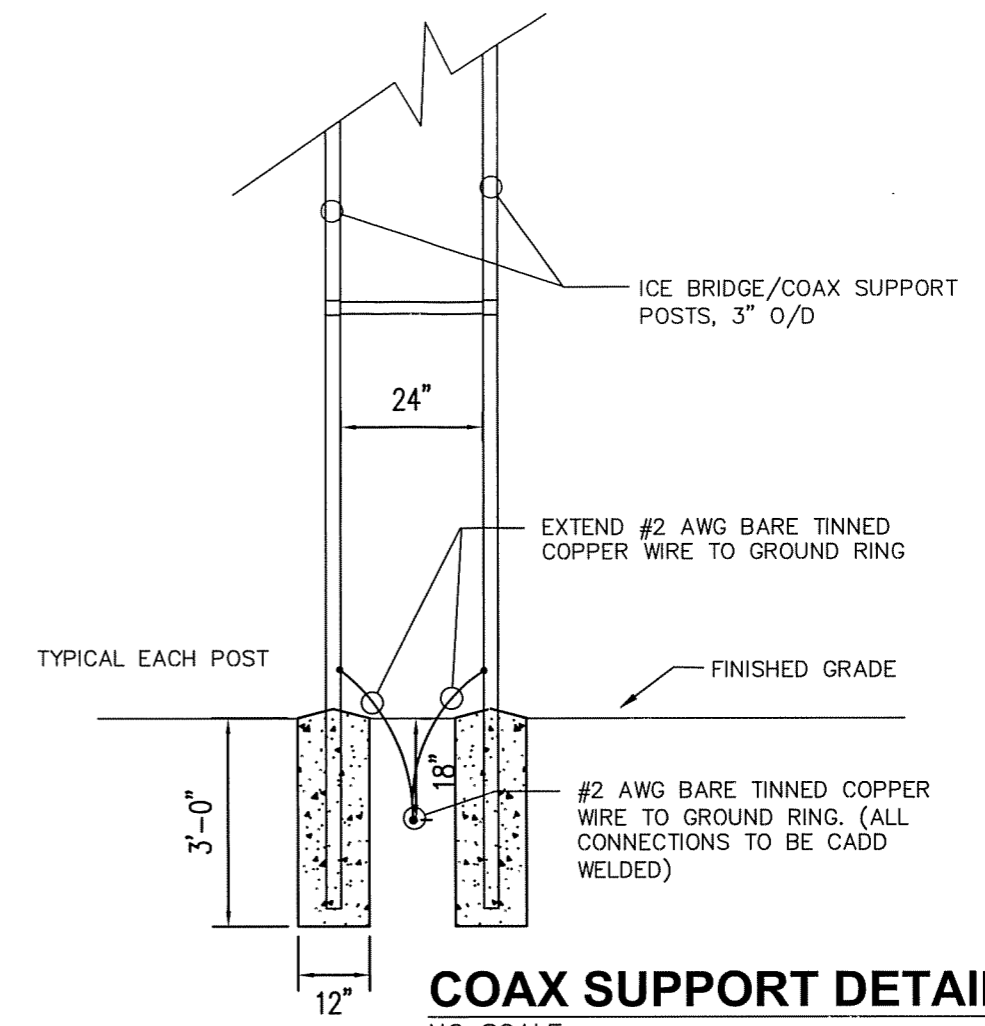


GROUND ROD DETAIL
NO SCALE

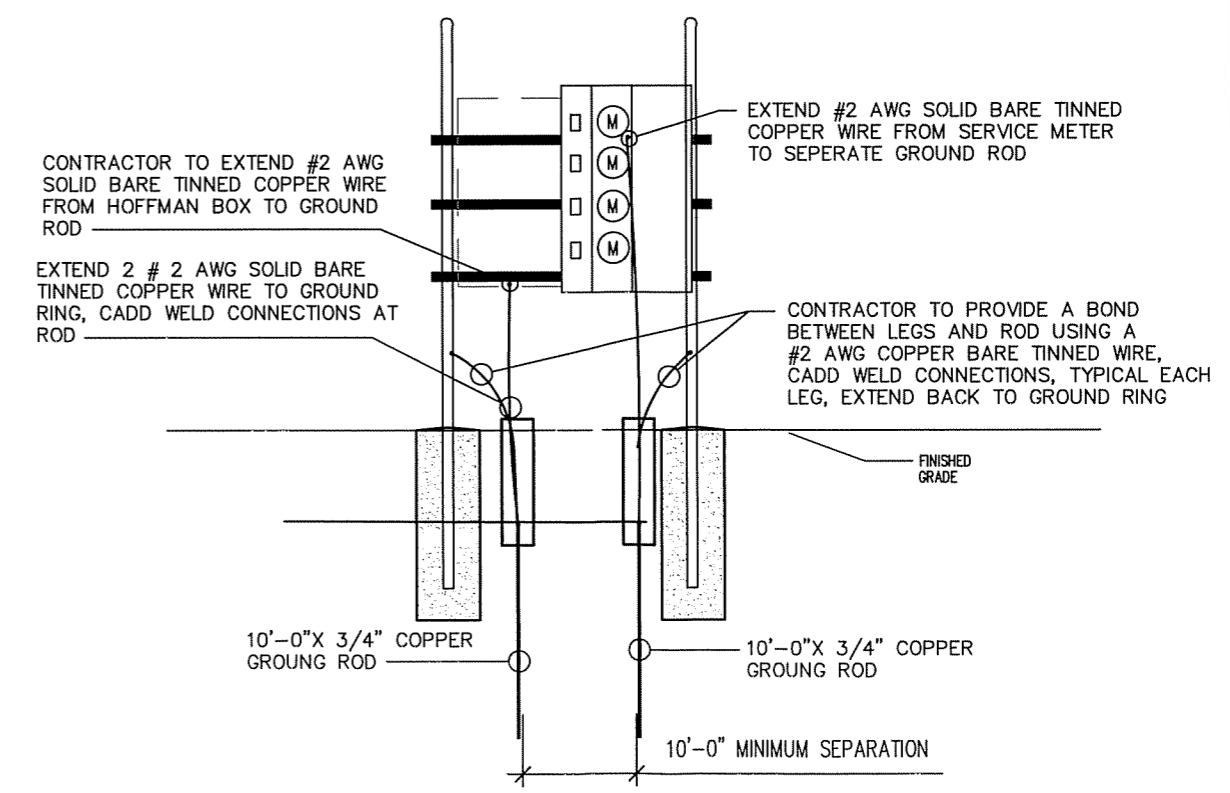


L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

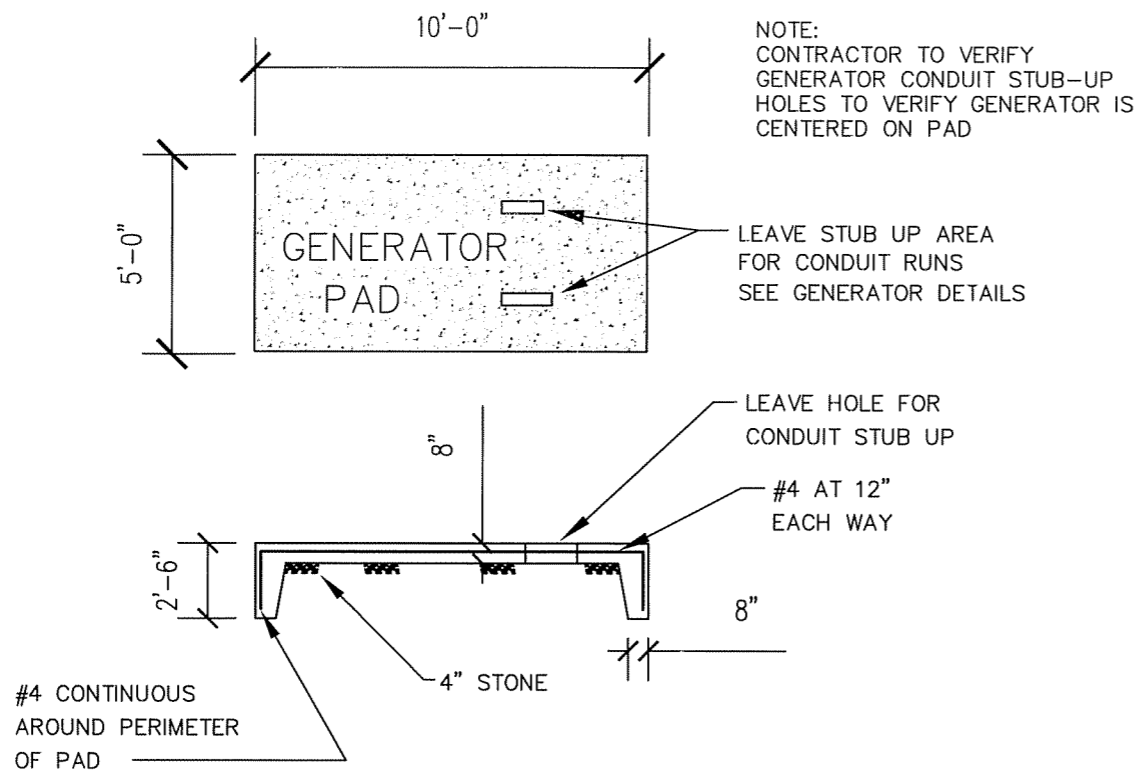
LYNCOLE XIT ROD DETAIL
NO SCALE



COAX SUPPORT DETAIL
NO SCALE

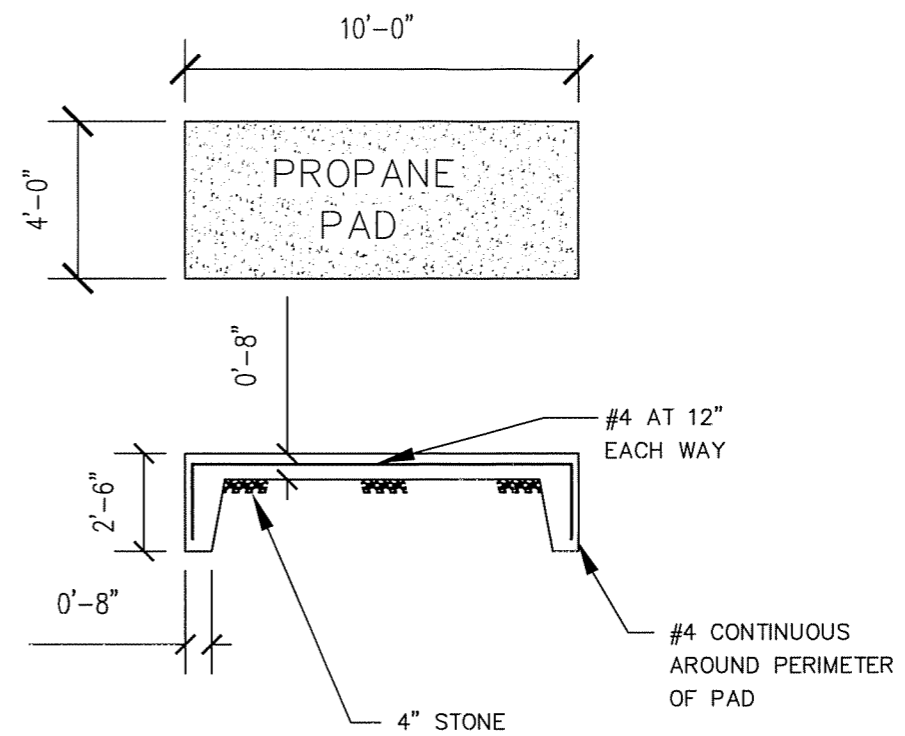


SERVICE BOARD DETAIL
NO SCALE



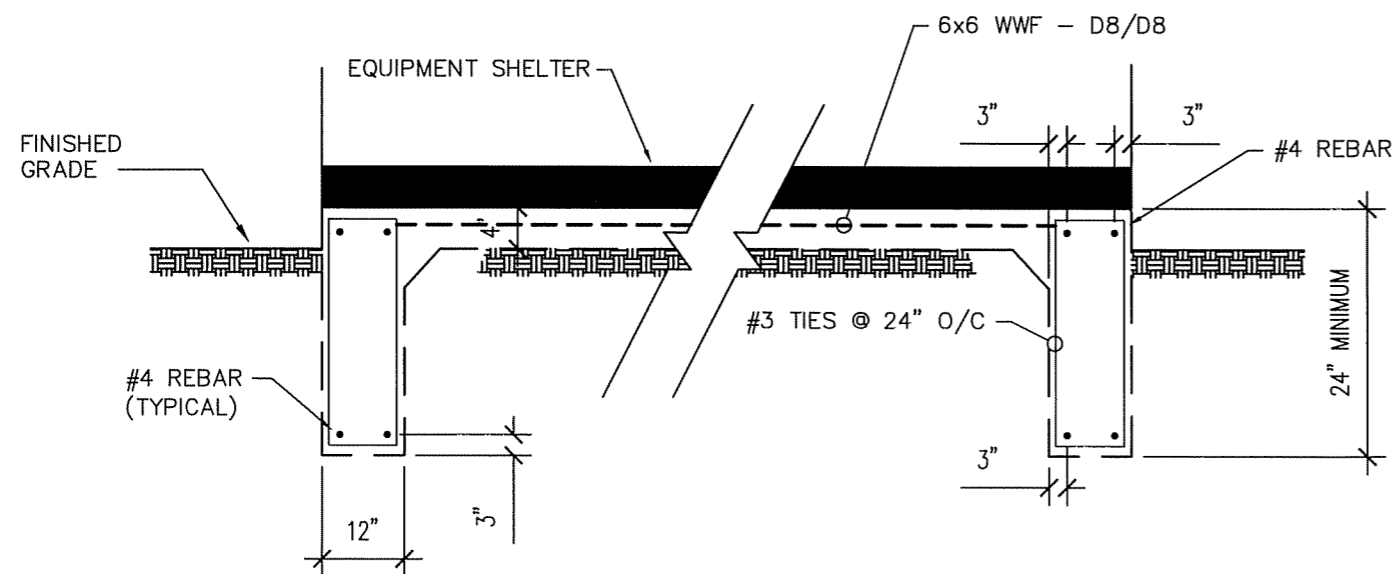
FOUNDATION DETAIL

NO SCALE



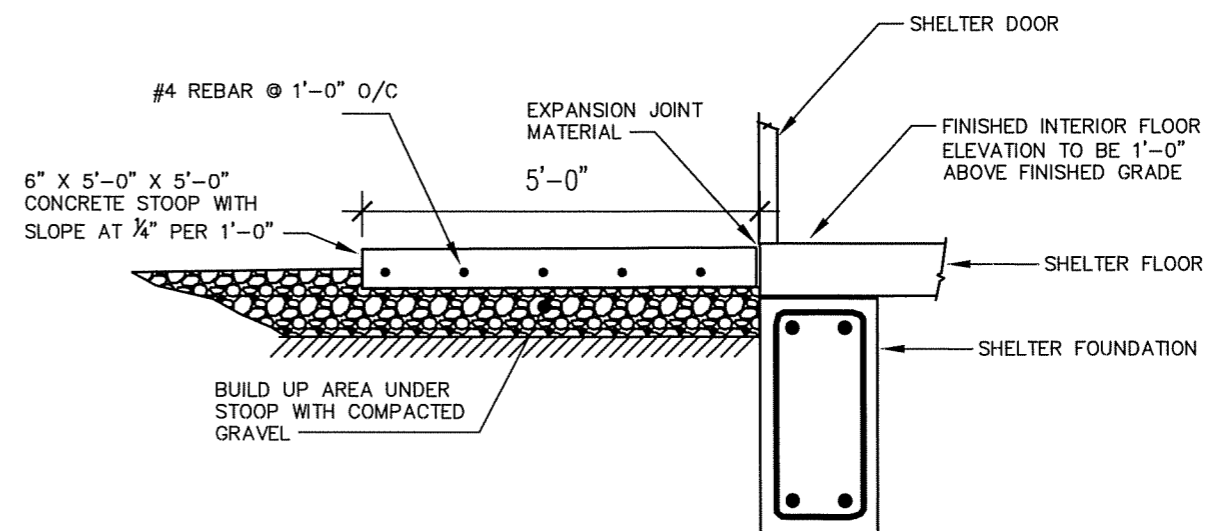
FOUNDATION DETAIL

NO SCALE



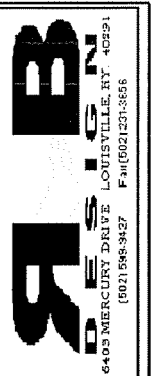
SHELTER FOUNDATION PLAN

NO SCALE



CONCRETE STOOP DETAIL

NO SCALE



NO.	DATE	REVISION

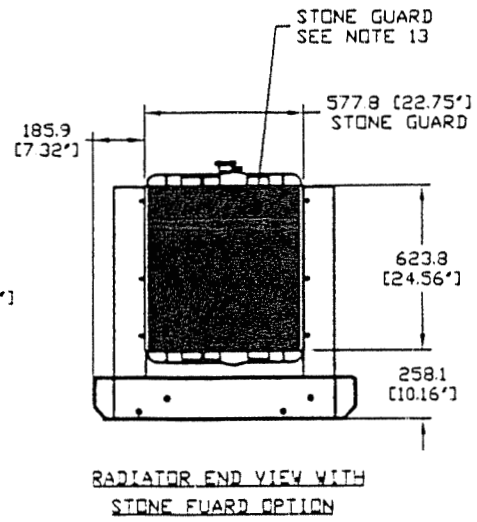
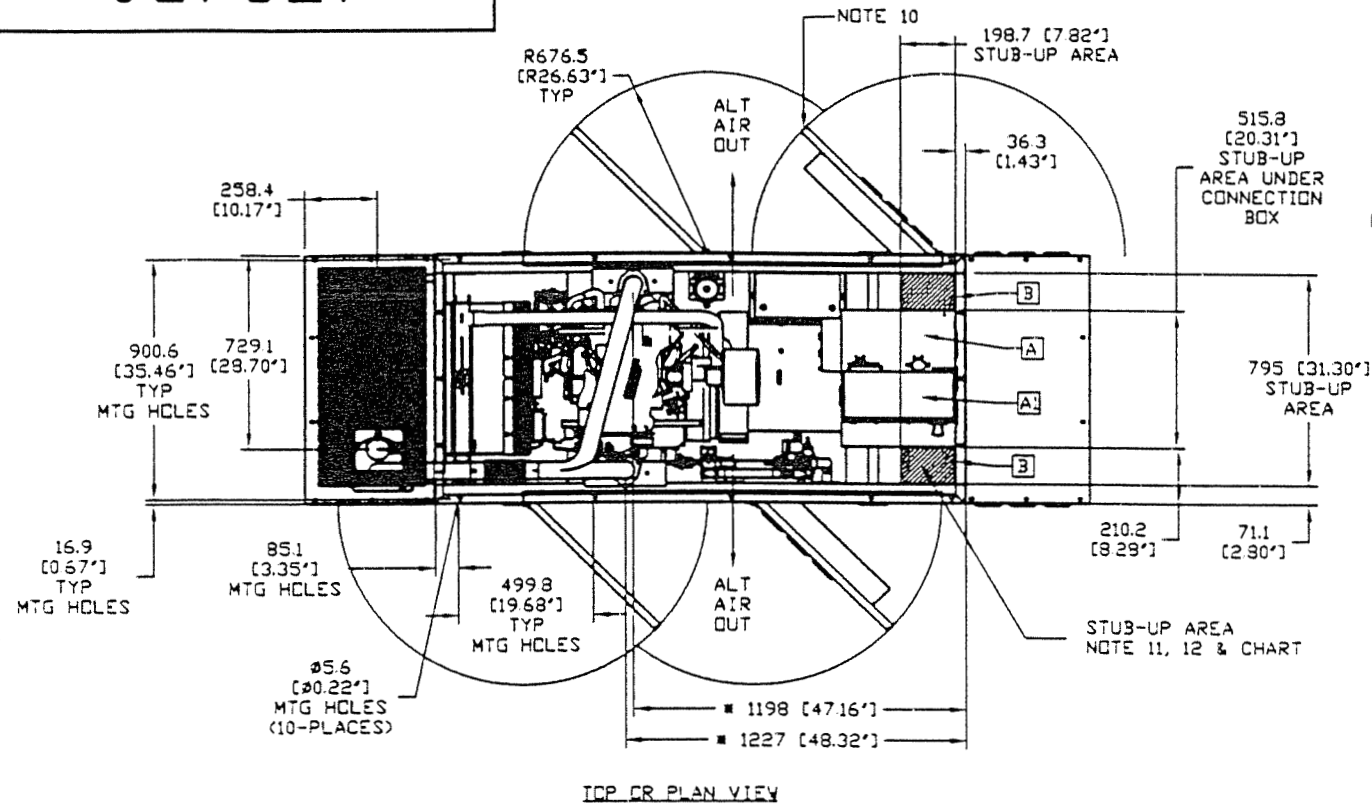
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
DAVIS CROSSROADS
63 FIRE STATION RD. MORGANTOWN, KY. 42261

DRAWN BY: R. BECKER
ISSUE DATE: 11-30-09
SCALE: LISTED

SHEET NUMBER

S-1

0G7627



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

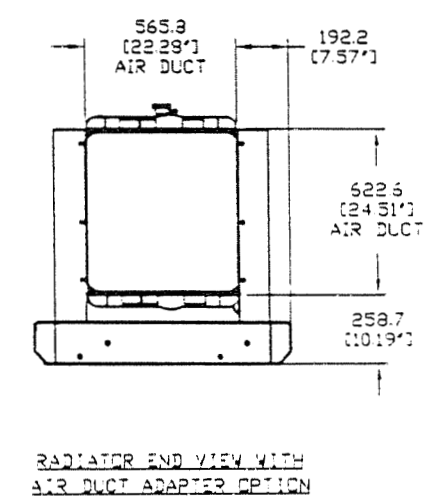
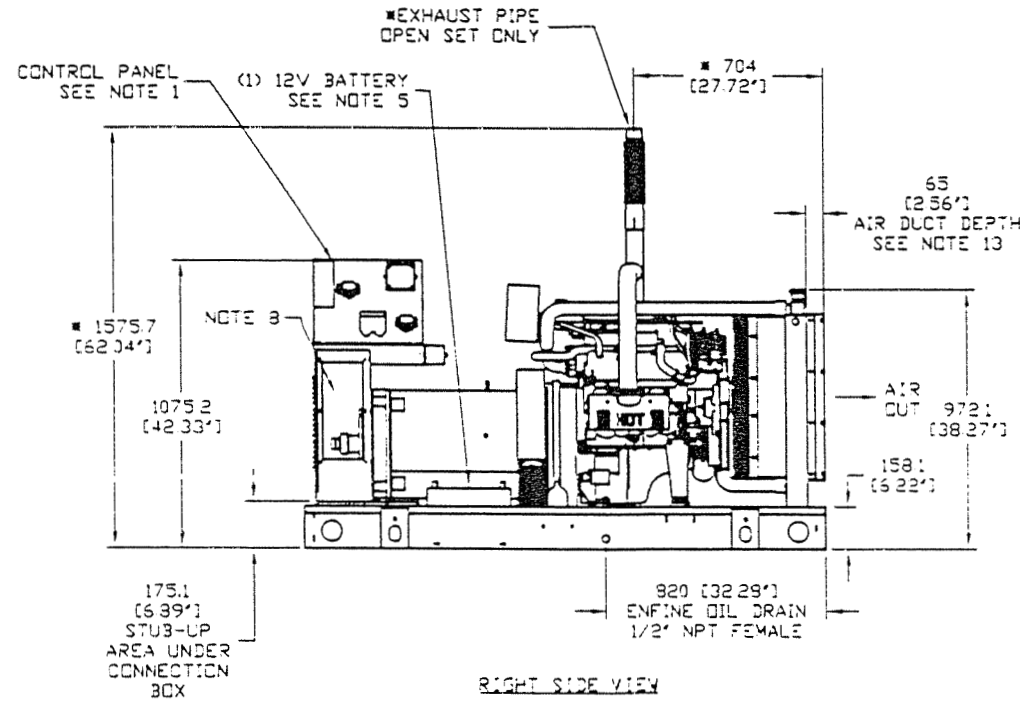
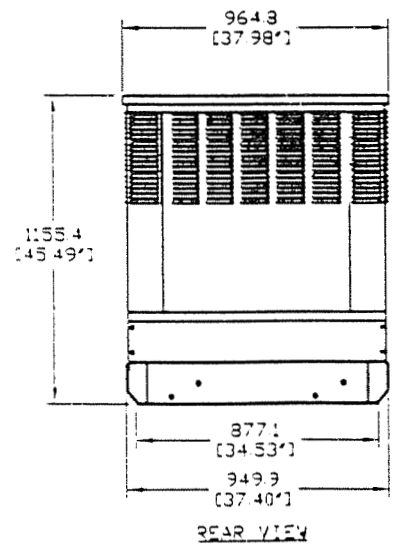
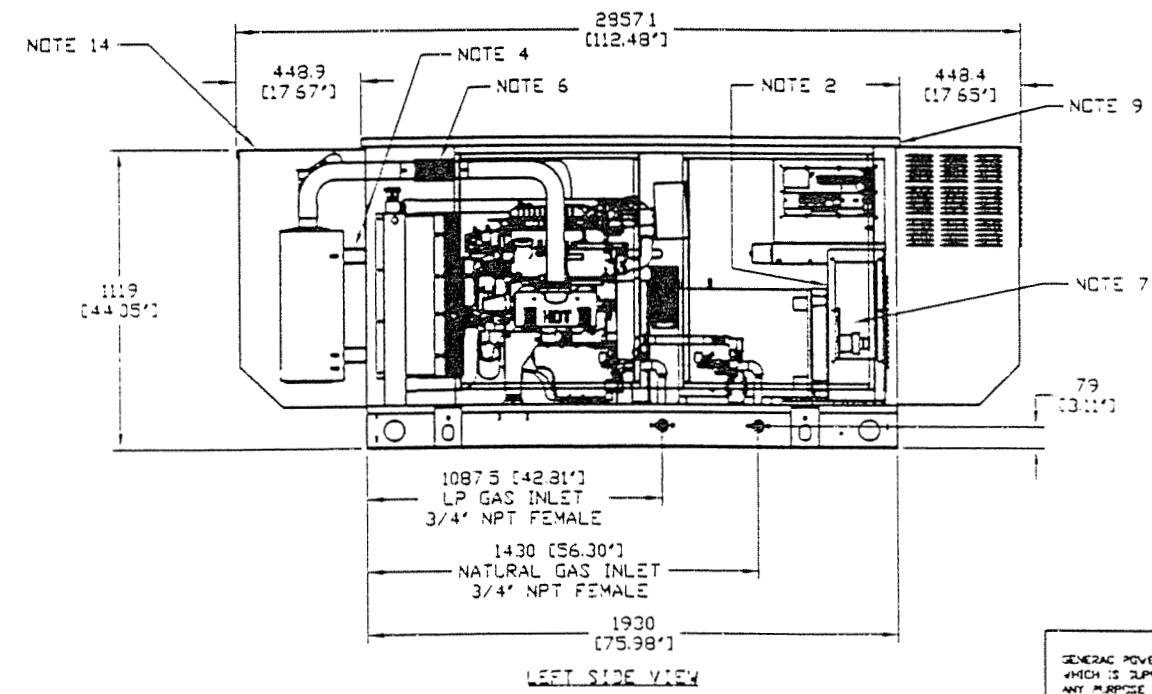
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT) (LEFT)	A A'
ADDITIONAL STUB UP AREA FOR 120VAC GFCI OUTLET, (STANDARD BLOCK HEATER, BATTERY CHARGER, AND OTHER 120 VAC OPTIONS).	B

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.
 © GENERAC POWER SYSTEMS 2001

INSTALLATION DRAWING

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

GENERAC POWER SYSTEMS Waukesha P.O. BOX 8 WAUKESHA, WIS. 53187		FILE NAME	OG7627-A.DWG	SIZE	E
		SCALE	NTS	FIRST USE	4.2L G3
DWG NO.	OG7627			REV	A

GENERAL NOTES:

1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS INCURRED.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

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

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

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

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

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


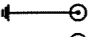













8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE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

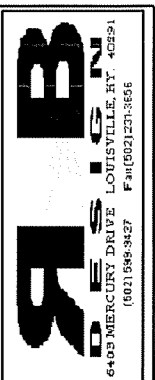
9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.

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)

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
DAVIS CROSSROADS
 63 FIRE STATION RD. MORGANTOWN, KY. 42261

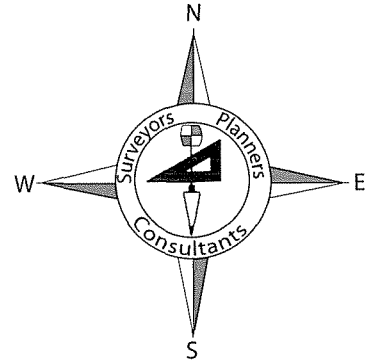
DRAWN BY: R. BECKER
 ISSUE DATE: 11-30-09
 SCALE: LISTED

SHEET NUMBER
General Notes

"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.

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 Butler County, Kentucky

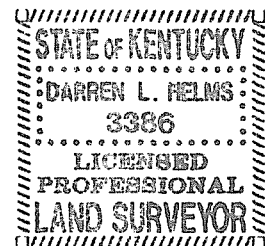
Bluegrass Cellular, Inc.
Davis Crossroads Site

From the Butler County courthouse in downtown Morgantown, Kentucky: travel south on Kentucky Highway 79, crossing under the William Natcher Parkway at 2.1 miles, for about 13.4 miles in all to Kentucky Highway 626 at Davis Crossroads; turn right onto Kentucky Highway 626 and travel west for 0.15 miles to Caney Fork Road; turn left onto Caney Fork Road and travel southwest for 0.1 miles to the Second District Volunteer Fire Department drive on the right; turn right onto the drive and travel north to the northwest side of the fire department and the tower site near Kentucky Highway 626. The address of the site is 63 Fire Station Lane, Morgantown, Kentucky 42261.

Darren L. Helms

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

Nov. 24, 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 28th day of October, 2009, by and between Second District Volunteer Fire Department, Inc., whose address is 10813 Russellville Road, Lewisburg, KY 42256 (the “Optionor (s)”) and Kentucky RSA 3 Cellular General Partnership, d/b/a Bluegrass Cellular, a Kentucky general partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the “Optionee”).

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in Butler 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: Davis Crossroads

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 April 28, 2011, (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: Davis Crossroads

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

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

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

Site Name: Davis Crossroads

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **10813 Russellville Rd., Lewisburg, KY 42256**; 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 Butler 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: Davis Crossroads

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: Davis Crossroads

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: Davis Crossroads

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

[Remainder of Page Intentionally Left Blank]

Site Name: Davis Crossroads

EXECUTION OF AGREEMENT(S)

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

Glyn Tyree

Date: 10-28-09

By: Glyn Tyree, Chairman
Verner Grise

Date: 10/28/09

By: **Verner Grise, Vice Chairman**
("Optionor(s)")

Ron Smith

Date: 11-9-09

By: **Ron Smith, Authorized Representative**
("Optionee")

STATE OF Kentucky
COUNTY OF Butler

The foregoing instrument was acknowledged before me this 28th day of October, 2009, by Glyn Tyree to be his/her free act and deed.

Nancy F. Cardwell
NOTARY PUBLIC STATE AT LARGE

My commission expires: 06/23/2010

Site Name: Davis Crossroads

STATE OF Kentucky
COUNTY OF Butler

The foregoing instrument was acknowledged before me this 20th day of October, 2009, by Verne Crise to be his/her free act and deed.

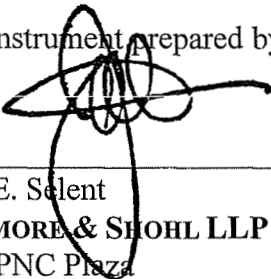
Nancy F. Caldwell
NOTARY PUBLIC STATE AT LARGE
My commission expires: 06/23/2010

STATE OF KENTUCKY
COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 9 day of November 2009, by **Ron Smith**, to be his free act and deed.

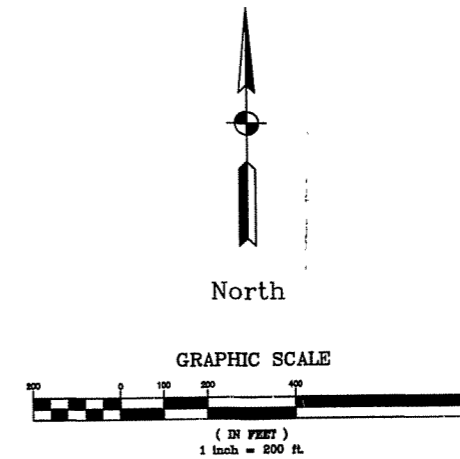
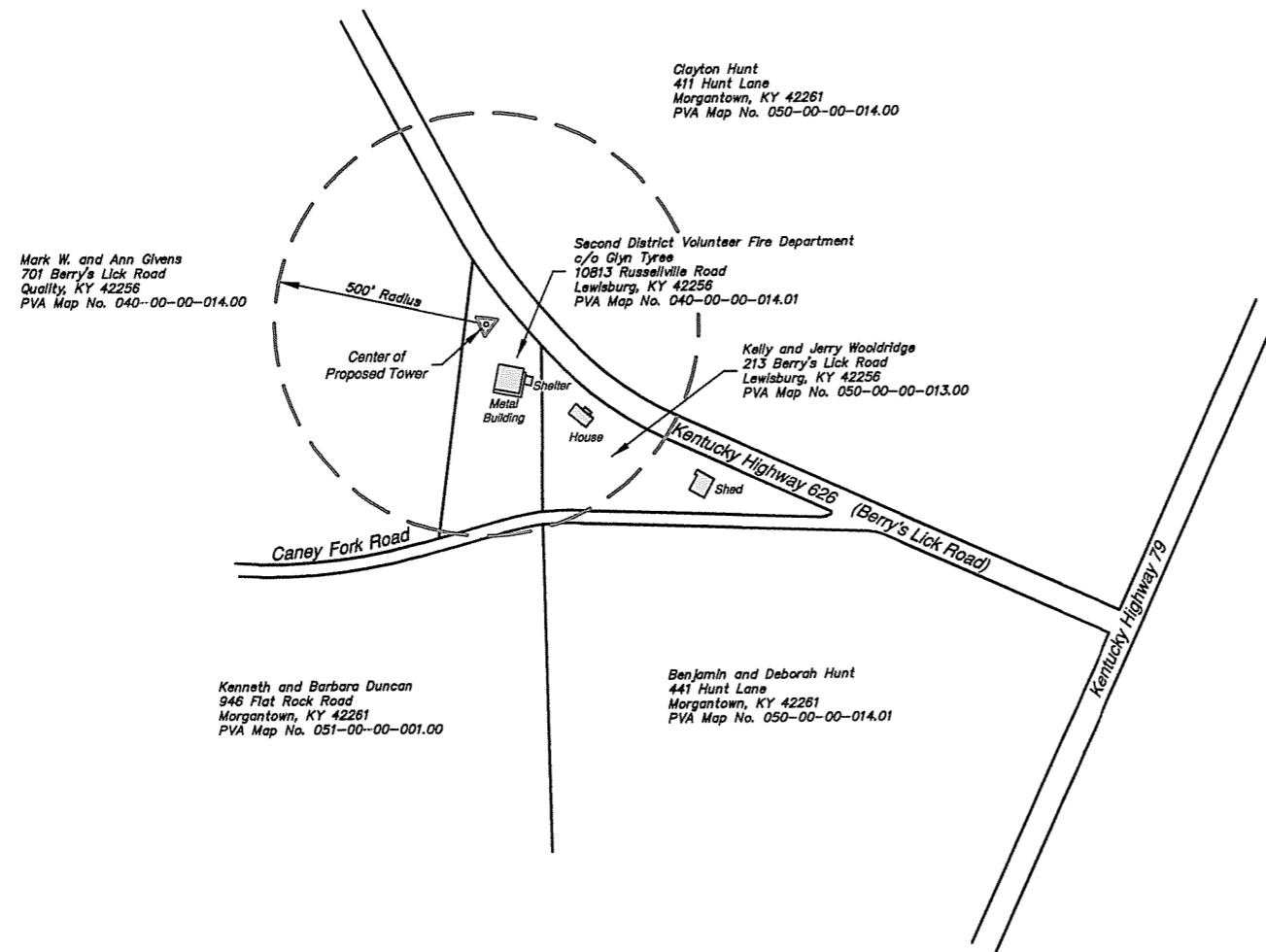
Jim Vici
NOTARY PUBLIC STATE AT LARGE
My commission expires: 1-21-13

This instrument prepared by:



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

Site: Davis Crossroads
500-Foot Radius Map for Structures and Landowners
Butler County, Kentucky



Note
 The location of the boundaries shown are approximate, and they are based upon the aerial photographs and information on file in the office of the Property Valuation Administrator of Butler 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 Butler County, Kentucky on November 12, 2009.

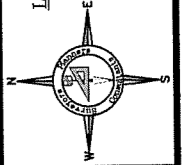
Darren L. Helms
 Darren L. Helms, P.L.S. 3386

Nov. 24, 2009
 Date

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

Reduced Copy

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0950
 Email: landmark@bbsky.net
 Project No. 09-11-001



500-Foot Radius Map
 63 Fire Station Lane
 Morgantown, Kentucky 42261

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

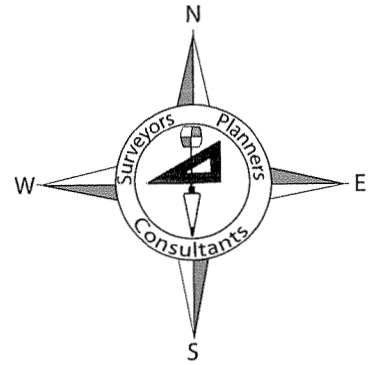
REVISIONS	DATE

DATE 11-24-09	DRAWN BY A. Whicker	CHECKED BY D.L. Helms
------------------	------------------------	--------------------------

SHEET NO.
 1
 OF 1 SHEETS
 FILE NO.
 davis-radius.dwg

Landmark Surveying Co., Inc.

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



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

Landowner and Adjacent Landowner List

Bluegrass Cellular, Inc.
Davis Crossroads Site
Butler County, Kentucky

Mark W. and Ann Givens
701 Berry's Lick Road
Quality, KY 42256

Kelly and Jerry Wooldridge
213 Berry's Lick Road
Lewisburg, KY 42256

Kenneth and Barbara Duncan
946 Flat Rock Road
Morgantown, KY 42261

Clayton Hunt
411 Hunt Lane
Morgantown, KY 42261

Benjamin and Deborah Hunt
441 Hunt Lane
Morgantown, KY 42261

Second District Volunteer Fire Department
c/o Glyn Tyree
10813 Russellville Road
Lewisburg, KY 42256

Darren L. Helms

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

Nov. 24, 2009
Date



January 14, 2010

Kenneth and Barbara Duncan
946 Flat Rock Road
Morgantown, Kentucky 42261

Public Notice

Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct a new cell facility to provide cellular telecommunications service in Butler County. This facility will include a 240-foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 the Commonwealth of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2010-00007 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee X <i>Lora Duncan</i></p> <p>B. Received by (<i>Printed Name</i>) C. Date of Delivery <i>Lora Duncan</i> <i>1-23-10</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
1. Article Addressed to: <i>Kenneth & Barbara Duncan 946 Flat Rock Road Morgantown, KY 42261</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label)	4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes 7009 2820 0003 2671 4070

January 14, 2010

Kelly and Jerry Wooldridge
213 Berry's Lick Road
Lewisburg, Kentucky 42256

Public Notice

Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct a new cell facility to provide cellular telecommunications service in Butler County. This facility will include a 240-foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 the Commonwealth of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2010-00007 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <i>Kelly Wooldridge</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Kelly Wooldridge</i> C. Date of Delivery <i>1/16/10</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to: <i>Kelly & Jerry Wooldridge 213 Berry's Lick Rd. Lewisburg, KY 42256</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7009 2820 0003 2671 4056</i></p>

January 14, 2010

Clayton Hunt
411 Hunt Lane
Morgantown, Kentucky 42261

Public Notice

Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct a new cell facility to provide cellular telecommunications service in Butler County. This facility will include a 240-foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 the Commonwealth of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2010-00007 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> Clayton Hunt <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Clayton Hunt 411 Hunt Lane Morgantown, KY 42261	B. Received by (Printed Name) Clayton Hunt	C. Date of Delivery 1-15-10
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 checked="" 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 2820 0003 2671 4049		

January 14, 2010

Mark W. and Ann Givens
701 Berry's Lick Road
Quality, Kentucky 42256

Public Notice

Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct a new cell facility to provide cellular telecommunications service in Butler County. This facility will include a 240-foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 the Commonwealth of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2010-00007 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input checked="" type="checkbox"/> <i>Mark Givens</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Mark Givens</i> C. Date of Delivery <i>1/16/10</i></p>
<p>1. Article Addressed to: <i>Mark & Ann Givens 701 Berry's Lick Road Quality, KY 42256</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

2. Article Number

(Transfer from service label)

7009 2820 0003 2671 4094

January 14, 2010

Second District Volunteer Fire Department
c/o Glyn Tyree
10813 Russellville Road
Lewisburg, Kentucky 42256

Public Notice

Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct a new cell facility to provide cellular telecommunications service in Butler County. This facility will include a 240-foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 the Commonwealth of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2010-00007 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>
<p>1. Article Addressed to: Second District Volunteer Fire Department c/o Glyn Tyree 10813 Russellville Road Lewisburg, KY 42256</p>	<p>B. Received by (Printed Name) Glyn Tyree</p> <p>C. Date of Delivery 1-15-10</p>
<p>2. Article Number (Transfer from service label)</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>PS Form 3811, February 2004</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>7009 2820 0003 2671 4087</p> <p>Domestic Return Receipt 102595-02-M-1540</p>

January 14, 2010

Benjamin and Deborah Hunt
441 Hunt Lane
Morgantown, Kentucky 42261

Public Notice

Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct a new cell facility to provide cellular telecommunications service in Butler County. This facility will include a 240-foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 the Commonwealth of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2010-00007 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input checked="" type="checkbox"/> Clayton Hunt <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Clayton Hunt</p> <p>C. Date of Delivery 1-15-10</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input type="checkbox"/> No</p>
1. Article Addressed to: Deborah Benjamin d Deborah Hunt 441 Hunt Lane Morgantown, KY 42261	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
2. Article Number (Transfer from service label)	7009 2820 0003 2671 4063



Dinsmore & Shohl LLP
ATTORNEYS

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

January 14, 2010

Via Certified Mail

David Fields
Butler County Judge Executive
Courthouse
110 North Main Street
Morgantown, KY 42261

RE: Application of Kentucky RSA #3 Cellular General Partnership d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a cellular tower to be located at 63 Fire Station Lane, Morgantown, Butler County, Kentucky, 42261, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2010-00007

Dear Judge Fields:

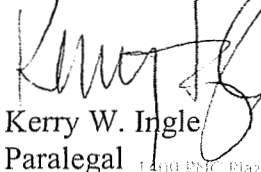
Kentucky RSA #3 Cellular General Partnership ("Kentucky RSA #3") is a Kentucky General Partnership that markets its services as Bluegrass Cellular. Kentucky RSA #3 is applying to the Public Service Commission of the Commonwealth of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular telecommunications service in rural service area (RSA) #3 in Butler County. The facility will include a 240 ft. tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky, 42261. 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 of the Commonwealth of Kentucky, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2010-00007 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP



Kerry W. Ingle
Paralegal

1400 PNC Plaza, 500 West Jefferson Street, Louisville, KY 40207
502.540.2300 502.585.2207 fax 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:

David Field's
Butler County Judge
Executive
Court House
110 North Main Street
Morgantown, KY 42261

2. Article Number

(Transfer from service label)

7009 2820 0003 2671 4032

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Susan L. Johnson Agent
 Addressee

B. Received by (Printed Name)

SUSAN L. JOHNSON

C. Date of Delivery

1-15-10

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

PO Box 626
MORGANTOWN, KY 42261

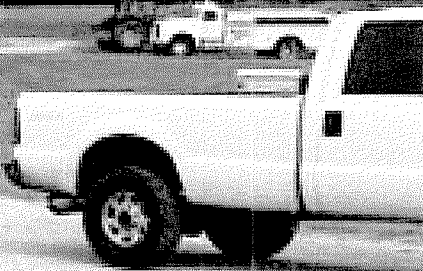
3. Service Type

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

4. Restricted Delivery? (Extra Fee)

Yes

PUBLIC NOTICE
The following information is being provided to the public in order to inform them of the proposed construction of a tower on the property described below.
TOWER
The tower will be located on the property described below.
The tower will be used for the purpose of providing wireless service to the public.
The tower will be constructed in accordance with the applicable regulations.
The tower will be located on the property described below.
The tower will be used for the purpose of providing wireless service to the public.
The tower will be constructed in accordance with the applicable regulations.
Please contact the F.C.C. at 470-FED-0001 for more information.



PUBLIC NOTICE

Kentucky RGA #3 Cellular
General Partnership proposes
to construct a cellular
communications

TOWER

on this site. If you have any
questions please contact

Project # 10000
1000000000
1000000000
1000000000
1000000000

1000000000
1000000000
1000000000
1000000000
1000000000

Please refer to P.S.C.

Case #2010-00007

in your correspondence.

PUBLIC NOTICE

Kentucky RSA and Cellular
General Partnership proposes
to construct a cellular
communications tower.

TOWER

On this site if you have any
questions please contact

Robert H. Clark	Project Director
4400 Highway 100	PO Box 10000
PO Box 100	PO Box 10000
PO Box 100	PO Box 10000
PO Box 100	PO Box 10000

Please refer to PSC
Case #2010-00007
in your correspondence



FOR SALE
TOWN BIC
Call for details
1-800-555-1234
www.townbic.com



PUBLIC NOTICE

Kentucky RSA #3 Cellular
General Partnership proposes
to construct a cellular
communications

TOWER

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

Kentucky RSA #3 Cellular
General Partnership
P.O. Box 5012
2502 Ring Road
Elizabethtown, KY 42701

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

Please refer to P.S.C.
Case #2010-00007
in your correspondence.

Mobile Homes

3 bed, 2 bath doublewide on 1 acre in Caneyville, ready to move into, \$455 a month or \$59,900 cash. Tax credit available. Call 800-645-6448. R,B 1-20

ONLY \$29,995 New 3 bedroom 16x80. Shop @ Ed's or you'll pay too much! Call Ed's Manufactured Homes (270) 781-7474. A1-31

TAX TIME Use that tax refund toward a new home! Call Today! Lowest Prices in Western KY! Call Ed's Manufactured Homes (270) 781-7474. A1-31

PETS

PUPPIES, DOGS, KITTENS, AND CATS. Glasgow/Barren County Animal Center. 175 Trojan Trail, or call 651-PAWS (7297)

York, KY register. Shots & wormed. Pictures go to www.designersdogs1@me.com, 590-8488/1-17

Real Estate

Homes, Farms, and Land For Sale: See all my listings at www.landandfarm-sinky.com. Landco Auction & Real Estate. Randy Arnold Morgantown 270-934-8151. Call if you are looking to buy or sell. R,B 1-28

WOW: Country Living at its best! Newly remolded 3 br 1 bath with 5 acres for only \$94,900. Must see!! Call 270-792-4782. R,B 1-17

SERVICES

CASH FOR JUNK & abandoned cars and trucks. Will also remove scrap metal, farm equipment and appliances. Call 270-646-7023* Bluegrass cell number. A2-3

Custom Logging Service 20 years experience. Jerry Howard, Clear Kentucky Lumber, LLC. 1-888-526-4721 toll free or 532-0259. B tfn

Services

Need a new septic system installed or repaired? Also do bulldozing and backhoe work. Free estimates. Call Kevin at 270-999-1018. R,B 2-3.

Auction Services Available: Sell furniture, antiques, farm machinery, and your other auction needs including real estate. Contact Crawford Auctions. Michael R Crawford Auctioneer 270-879-8059 or 270-589-4080. R,B tfn

Photo Restoration and Retouching: Colorizing black and white photos, making old and damaged photos like new, etc. Call 270-791-4336 for more information. tfn

SEPTIC TANK SERVICES: Cleaning and pumping. Jerry Howard, Clear Kentucky Lumber, LLC. 1-888-526-4721 toll free or 532-0259. B tfn

Clean KY, LLC now offering "Bio-Tub" activation and maintenance for your septic system. Environmentally safe and more cost efficient than Rid-X. Use monthly to maintain your system. 1 year supply - suggested retail price \$29.99. Our special \$20.00. Call now! 1-800-526-4721 or 532-0259. B tfn

DOZER WORK: Johnny Dotson operator, Jerry Howard, owner. Call 532-0259. B tfn

WE WILL BUY OLD CARS AND TRUCKS Call Dudley Childers, 526-5184. tfn

Wanted

Wanted standing timber, hard wood or pine. Kentucky Master Logger. 528-1239 or 786-2600

Classifieds



Birding BITS BY Cindy Brook

Use What You Have
Feeding backyard birds doesn't have to cost a lot of money. Pie tins, paper plates or any shallow dish that holds birdseed will do. It's really the food that counts, not the feeder. Start with white millet or safflower seed. You'll have good results with either one.

E-mail: birdingbits@cflr.com
© 2010 King Features Synd., Inc

NOTICE

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular telecommunications service in rural service area #3 of the Commonwealth of Kentucky (Davis Crossroads Cell Site). The facility will include a 240 foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky 42261. Your comments and requests for information should be addressed to: Executive Director's Office, Public Service Commission of the Commonwealth of Kentucky, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2010-00007 in your correspondence.

APPLICATIONS FOR BUTLER MANOR & JENNY LYNN

top ten

CO\$TLIE\$T
Autos to Insure

1. Nissan GT-R
2. Dodge Viper
3. BMW M6
4. Ford Shelby GT500
5. Mercedes-Benz G-Class
6. Audi S8
7. BMW M5
8. Hummer H2
9. Lotus Evija
10. Porsche 911

© 2010 by King Features Syndicate, Inc. World rights reserved.



Mobile Homes

ONLY \$29,995. New 3 bedroom 16x80. Shop Ed's or you'll pay too much! Call Ed's Manufactured Homes (270) 781-4747. A1-31

MAX TIME Use that tax refund toward a new home! Call Today! Lowest Prices in Western KY! Call Ed's Manufactured Homes (270) 781-4747. A1-31

PETS

Beautiful Shih-Tzu puppies CKC register. \$200 each. Call 526-5168 or 999-5316. A7/2-3

PUPPIES, DOGS, KITTENS, AND CATS.

Highland/Barren County Animal Center. 175 Trojan Trail, or call 651-2145 (7297). tfn

REAL ESTATE

Homes, Farms, and Land for Sale: See all my listings at www.landandfarm-linky.com. Landco Auction & Real Estate. Randy Arnold Morgantown 270-34-8151. Call if you are looking to buy or sell. R,B



CLASSIFIED WORKS

NOTICE

Kentucky RSA #3 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular telecommunications service in rural service area #3 of the Commonwealth of Kentucky (Davis Crossroads Cell Site). The facility will include a 240 foot tower and an equipment shelter to be located at 63 Fire Station Lane, Morgantown, Kentucky 42261. Your comments and requests for information should be addressed to: Executive Director's Office, Public Service Commission of the Commonwealth of Kentucky, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2010-00007 in your correspondence.

Services

CASH FOR JUNK & abandoned cars and trucks. Will also remove scrap metal, farm equipment and appliances. Call 270-646-7023* Bluegrass cell number. A2-3

Custom Logging Service 20 years experience, Kentucky Master Logger Certified, C. Miller 270-524-0725-let ring, or 270-524-5564. R,B 2-10

Need a new septic system installed or repaired? Also do bulldozing and backhoe work. Free estimates. Call Kevin at 270-999-1018. R,B 2-3.

Auction Services Available: Sell furniture, antiques, farm machinery, and your other auction needs including real estate. Contact Crawford Auctions, Michael R Crawford Auctioneer. 270-879-8059 or 270-589-4080. R,B tfn

Photo Restoration and Retouching: Colorizing black and white photos, making old and damaged photos like new, etc. Call 270-791-4336 for more information. tfn

SEPTIC TANK SERVICES: Cleaning and pumping, \$185.00. Jerry A. Howard, Clean Kentucky, LLC. 1-888-526-4721 toll free or 532-0259. B tfn

Services

Clean KY, LLC now offering "Bio-Tab" activation and maintenance for your septic system. Environmentally safe and more cost efficient than Rid-X. Use monthly to maintain your system. 1 year supply - suggested retail price \$29.99. Our special \$20.00. Call now! 1-800-526-4721 or 532-0259. B tfn

DOZER WORK: Johnny Dotson operator, Jerry Howard, owner. Call 532-0259. B tfn

WE WILL BUY OLD CARS AND TRUCKS. Call Dudley Childress, 526-5184 tfn

WANTED

Needed: Private caregiver, part-time, 5 to 6 hours daily. Personal needs, etc. Insurance paid, not cash. Serious callers only. 526-6854. B1-27

Wanted standing timber, hard wood or pine. Kentucky Master Logger. 528-1239 or 786-2600



Supports

The Kentucky Civil Rights Act prohibits discrimination on the basis of race, color, religion, national origin, sex, familial status in housing, disability, age (40 or over) in employment, and smoking status in employment.

Legal Notice

Dispense With Administration.

The following have filed petitions asking the Butler District Court to Dispense With Administration of the Estate, the Petitioner claiming the assets in the estate conform with K.R.S. 395-455.

Case No: 10-P-00001

Estate of: Ida Campbell

Petitioner: Glendal Scott Boone, 234 Stone Crest Avenue, Bowling Green, KY 42101

Attorney: Samantha Short Miller, PO Box 1248, Morgantown, KY 42261

Butler County Circuit Clerk's Office

Melissa Cardwell, Clerk B1-27

CLASSIFIED COVERAGE YOU NEED!

SHOP IN YOUR HOMETOWN

WITH THE **CLASSIFIEDS**

77

U-Need!

Advertising for Classified Readers

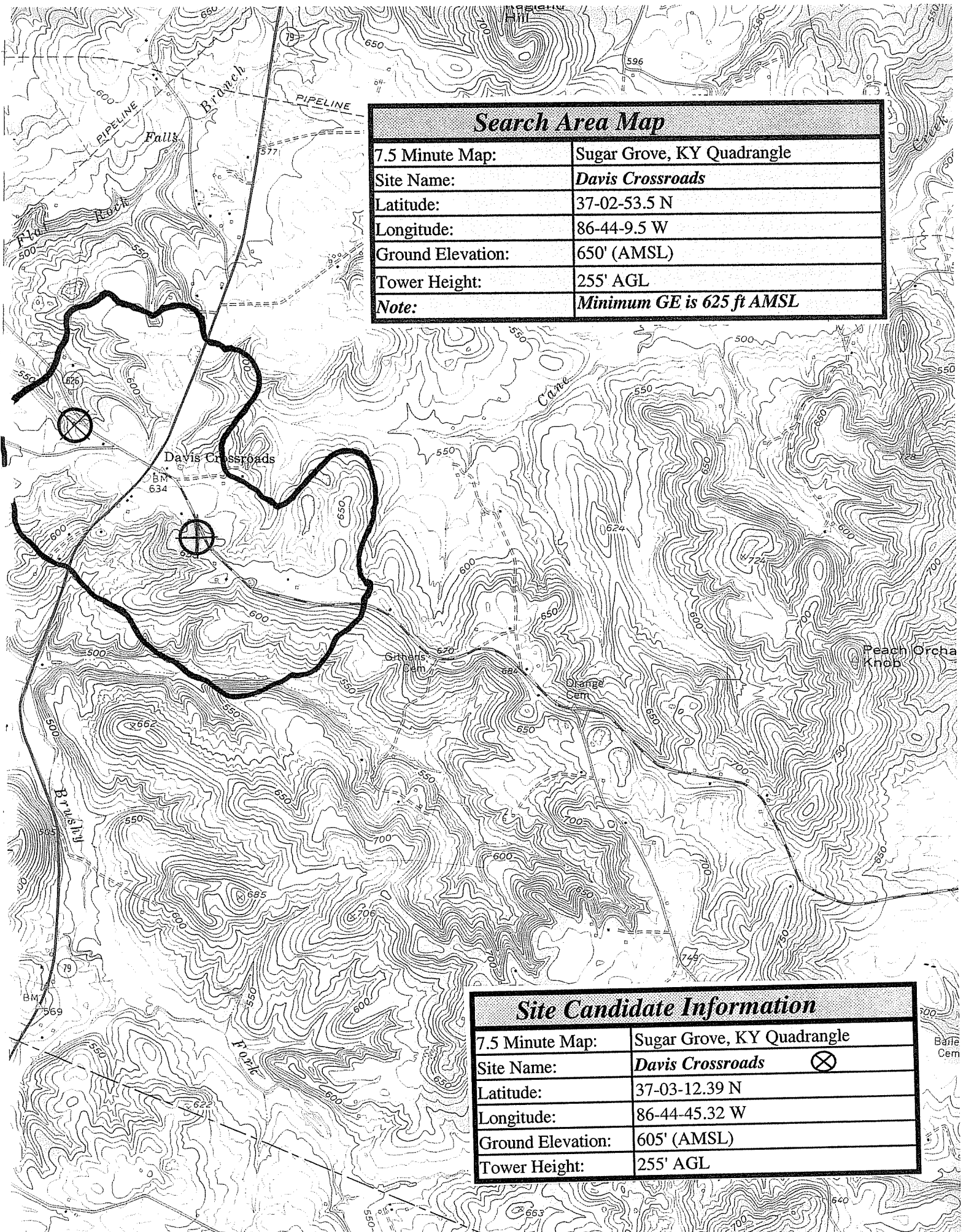
Reaching over 55,000 Households Every Week!

PERSONAL CLASSIFIEDS
(20 words or less... 20 cents after) (Yard sales, items for sale, help wanted, etc.)...

\$10.00
PER PAPER, PER WEEK





BUSINESS CLASSIFIED
(20 words or less... 20 cents after)

1 COUNTY

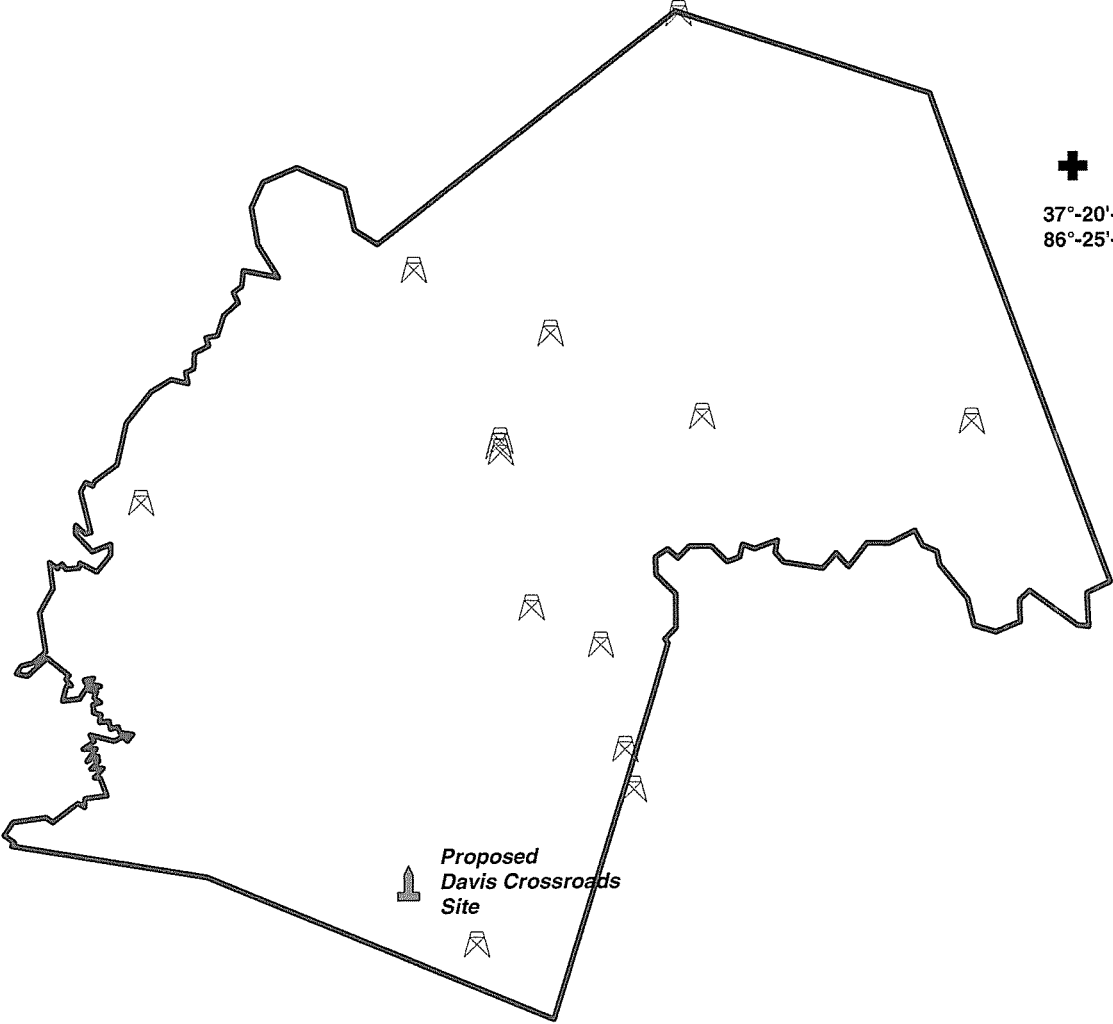
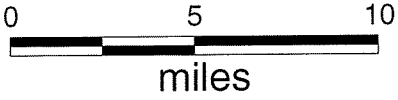


Search Area Map	
7.5 Minute Map:	Sugar Grove, KY Quadrangle
Site Name:	<i>Davis Crossroads</i>
Latitude:	37-02-53.5 N
Longitude:	86-44-9.5 W
Ground Elevation:	650' (AMSL)
Tower Height:	255' AGL
Note:	<i>Minimum GE is 625 ft AMSL</i>

Site Candidate Information	
7.5 Minute Map:	Sugar Grove, KY Quadrangle
Site Name:	<i>Davis Crossroads</i> ⊗
Latitude:	37-03-12.39 N
Longitude:	86-44-45.32 W
Ground Elevation:	605' (AMSL)
Tower Height:	255' AGL

 Butler County Boundary
 Constructed Wireless Tower Locations Registered with the FCC
 Proposed Tower Location
 Tick Marks
 Prepared By: LNGS Engineering 12/8/2009

37°-10'-00" N
 87°-00'-00" W



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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1044046	37-05-23	86-38-05	Hadley, KY	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKGB TV
1043044	37-08-47	86-39-02	Morgantown, KY	KENTUCKY RSA 3 CELLULAR GENERAL PARTNERSHIP DBA = BLUEGRASS CELLULAR
1043425	37-13-20.6	86-41-57.3	Morgantown, KY	NEW CINGULAR WIRELESS PCS, LLC
1044829	37-14-9.9	86-35-59.6	Morgantown, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS
1050177	37-01-45	86-42-44	Bowling Green, KY	Telava Wireless, Inc.
1050235	37-13-30	86-42-01	Morgantown, KY	TELE MEDIA COMPANY OF SOUTHWEST KENTUCKY DBA = TELE MEDIA COMPANY
1210409	37-06-19.2	86-38-19.6	Morgantown, KY	NEW CINGULAR WIRELESS PCS, LLC
1210481	37-13-37.1	86-41-57.9	Morgantown, KY	Ford Communications
1217204	37-17-38.2	86-44-29.7	Morgantown, KY	Crown Communication Inc.
1217219	37-23-39.9	86-36-37.8	Morgantown, KY	Crown Communication Inc.
1231934	37-14-0.7	86-28-2.1	Roundhill, KY	NEW CINGULAR WIRELESS PCS, LLC
1263383	37-12-13	86-52-35.7	Rochester, KY	KENTUCKY RSA 3 CELLULAR GENERAL PARTNERSHIP DBA = BLUEGRASS CELLULAR
1268018	37-16-8.2	86-40-27.4	Morgantown, KY	KENTUCKY RSA 3 CELLULAR GENERAL PARTNERSHIP DBA = BLUEGRASS CELLULAR
1271423	37-09-40.4	86-41-4.0	Morgantown, KY	Powertel / Memphis, Inc.