

RECEIVED

JAN 29 2010

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2009-00503

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

Cumberland Cellular Partnership (“Cumberland Cellular”), through counsel, pursuant to KRS 278.020 and 278.040, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Tompkinsville II cell site in and for rural service area (“RSA”) #5 of the Commonwealth of Kentucky, namely the counties of Barren, Monroe, Metcalfe, Adair, Cumberland, Russell, Clinton, Wayne, McCreary and Hart, Kentucky.

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

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

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

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

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

6. Pursuant to 807 KAR §1(1)(g), experienced personnel will manage and operate the Tompkinsville II cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Cumberland Cellular, of which system the Tompkinsville II cell site will be a part. Bluegrass Cellular Inc. provides management services to Cumberland Cellular under a management contract, just as it does with three (3) other wireless carriers in the Commonwealth. And, Bluegrass Cellular Inc. has been providing these management services to these other wireless carriers for well over a decade. This extensive management experience with Bluegrass Cellular demonstrates that Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

7. Pursuant to 807 KAR §1(1)(g), World Tower Company 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 Exhibit “B”.

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

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

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

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

15. Pursuant to 807 KAR 5:063 § 1 (1)(n), applicant’s legal counsel hereby affirms that the Office of the Monroe 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 Monroe County Judge Executive is Exhibit “G”.

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

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

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

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

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

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

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

21. Pursuant to 807 KAR 5:063 §1(1)(s), Cumberland Cellular has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate. Cumberland Cellular has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

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

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

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

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

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

WHEREFORE, Cumberland Cellular Partnership requests the Commission to enter an order:

1. Granting a certificate of public convenience and necessity to construct the Tompkinsville II 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
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
Bluegrass Cellular, Inc.
2902 Ring Road
Elizabethtown, KY 42702
T: 270-769-0339 F:270-737-0580

9. Latitude: 36 ° 44 ' 16 20 "

10. Longitude: 85 ° 39 ' 31 77 "

11. Datum: NAD83 NAD27 Other _____

12. Nearest Kentucky City: Tompkinsville County Monroe

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

Leila Rezanavaz
Lukas, Nace, Gutierrez & Sachs, LLP
8300 Greensboro Drive, Suite 1200
McLean, VA 22102
T: 703-584-8668 F: 703-584-8694

13. Nearest Kentucky public use or Military airport:
Tompkinsville-Monroe County Airport

14. Distance from #13 to Structure: 0.70 Miles

15. Direction from #13 to Structure: NW

16. Site Elevation (AMSL): 1,038.00 Feet

17. Total Structure Height (AGL): 255.00 Feet

18. Overall Height (#16 + #17) (AMSL): 1,293.00 Feet

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 _____

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:
182 Tom Ford Road
Tompkinsville, KY 42167

8. FAA Aeronautical Study Number 2009-ASO-7165-OE

21. Description of Proposal:

Structure: Proposed self-supporting tower with top-mounted antennas for overall height of 255' AGL.
Max. ERP: 250 Watts
Frequencies: 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 07, 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
Printed Name and Title

Leila Rezanavaz
Signature

12/7/2009
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 going offline at 8 am ET on Saturday, January 09, 2010 for upgrades. We apologize for any inconvenience.

<< OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Project Name: BLUEG-000136811-10

Sponsor: Bluegrass Cellular, Inc

Details for Case : Tompkinsville II

Show Project Summary

Case Status

ASN: 2010-ASO-91-OE

Status: Accepted

Date Accepted: 01/07/2010

Date Determined:

Letters: None

Documents: 01/07/2010 2C Survey.pdf

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: Tompkinsville II

FCC Number:

Prior ASN: 2009-ASO-1765-OE

Structure Details

Latitude: 36° 44' 16.20" N

Longitude: 85° 39' 31.77" W

Horizontal Datum: NAD83

Site Elevation (SE): 1038 (nearest foot)

Structure Height (AGL): 148 (nearest foot)

Requested Marking/Lighting: None

Other:

Recommended Marking/Lighting:

Current Marking/Lighting: N/A New Structure

Other:

Nearest City: Tompkinsville

Nearest State: Kentucky

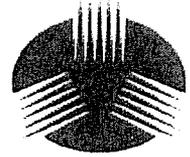
Description of Location: Site is located at:
182 Tom Ford Road
Tompkinsville, KY 42167

Description of Proposal: To reduce the tower height from previously proposed 255' to 148'.

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



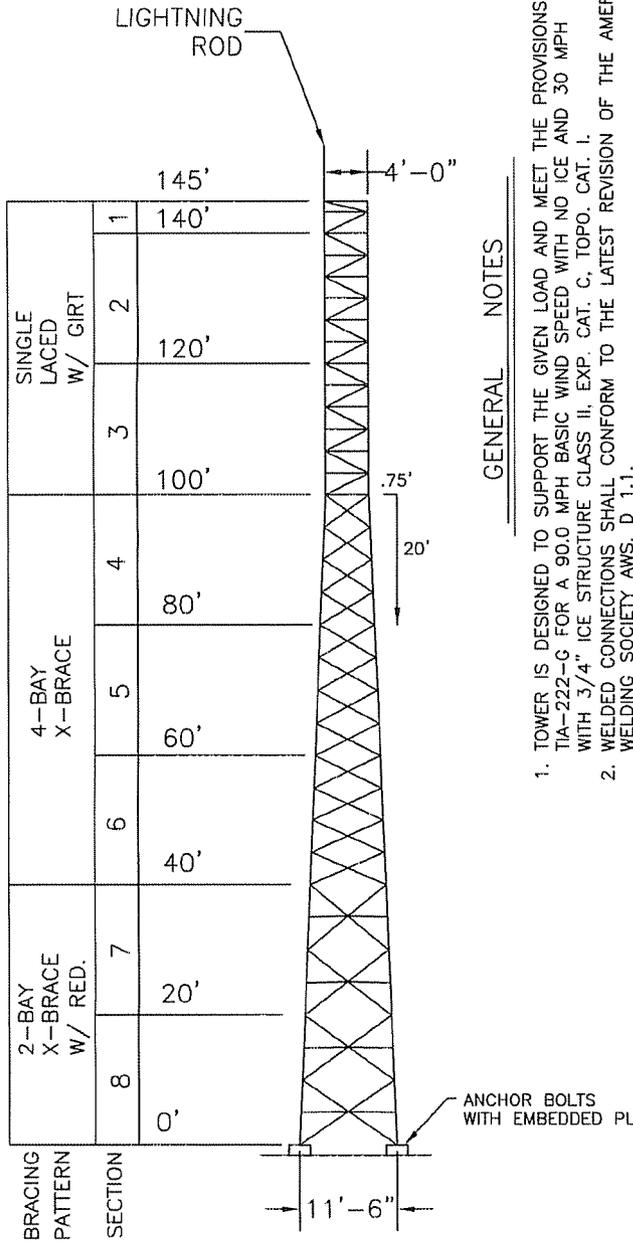
World Tower
COMPANY, INC

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

145' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: TOMPKINSVILLE 2
MONROE COUNTY, KY
DESIGN PACKAGE



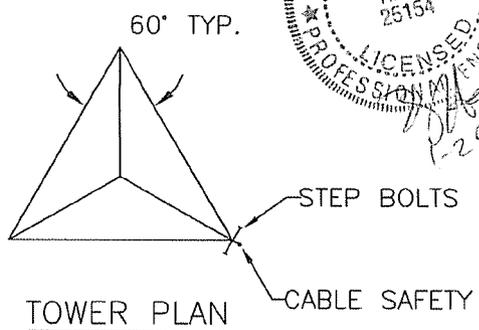
Lubrication, Installation, and Maintenance of T.V., A.V., F.M., & Wireless Communications Towers



TOWER ELEVATION

GENERAL NOTES

1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOAD AND MEET THE PROVISIONS OF TIA-222-G FOR A 90.0 MPH BASIC WIND SPEED WITH NO ICE AND 30 MPH WITH 3/4" ICE STRUCTURE CLASS II, EXP. CAT. C, TOPO. CAT. I.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D. 1.1.
3. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
4. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
5. LEG STEEL IS 50 KSI MIN. YIELD SOLID ROUND AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
6. ALL STRUCTURAL BOLTS ARE ASTM A325.
7. TOWER IS DESIGNED FOR ALL LINES TO BE MOUNTED ACCORDING TO DRAWING NO. Q10026WG.
8. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA-222-G EVERY 5 YEARS.
9. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.
10. STEP BOLTS PROVIDED ON ONE TOWER LEG FOR FULL TOWER HEIGHT.
11. CABLE SAFETY PROVIDED FOR FULL TOWER HEIGHT.



TOWER PLAN

WORLD TOWER

TITLE: 145' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE: TOMPKINSVILLE 2
 MONROE COUNTY, KY

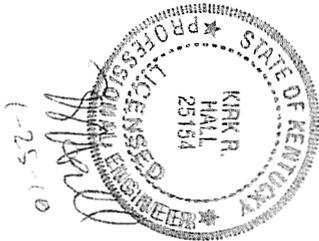
SCALE	NONE	DWN.	LKB	CND.	DATE	1-22-10
FILE				DWG. NO.		Q10026



BASE REACTIONS	
OTM:	2244.0 FT. KIPS
COMP.	241.0 KIPS
UPLIFT	207.0 KIPS
SHEAR (3 LEG)	26.0 KIPS
WT. NO ICE	47.0 KIPS
WT. 3/4" ICE	115.0 KIPS

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

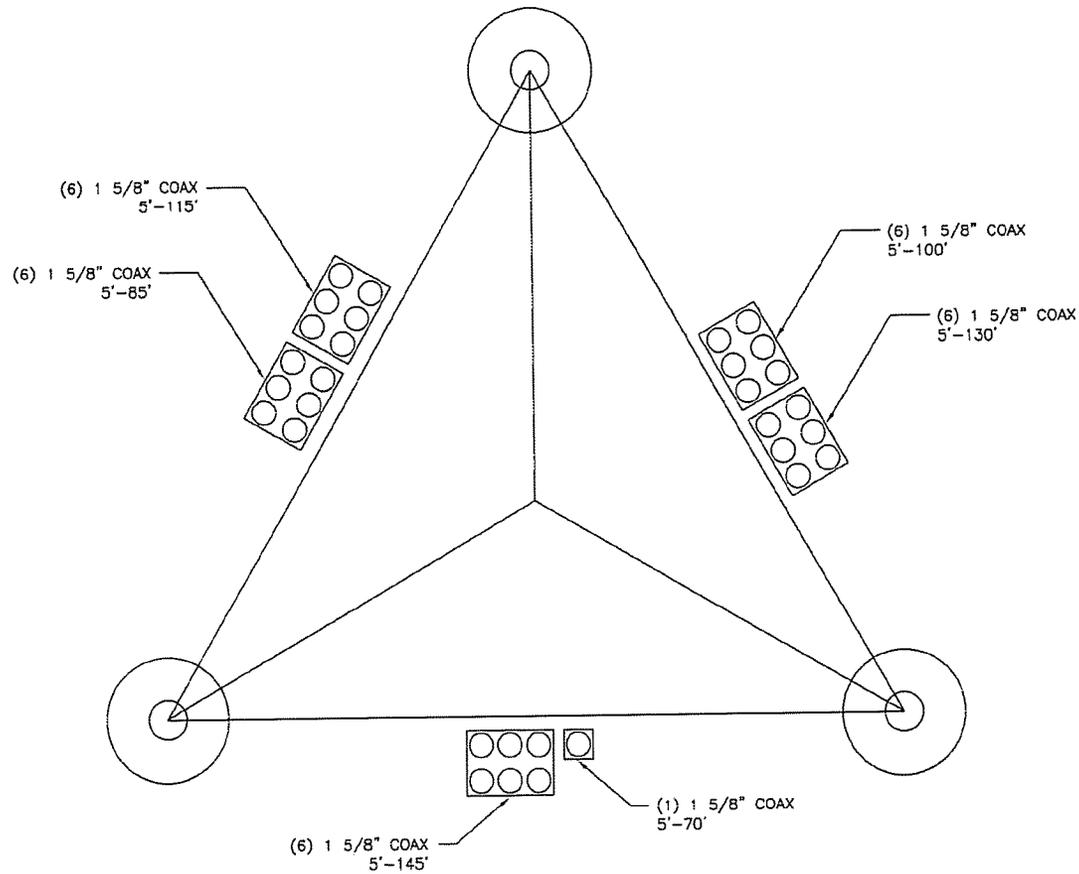
ANTENNA LOADING		
ELEV.	DESCRIPTION	LINE
145'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
130'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
115'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
100'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
85'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
70'	6' GRID DISH	1- 1 5/8"



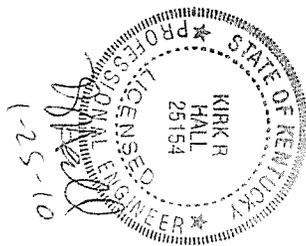
WORLD TOWER

TITLE:
145' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE : TOMPKINSVILLE 2
MONROE COUNTY, KY

SCALE NONE	DWN. LKB	CKD.	DATE 1-22-10
FILE	DWG. NO. Q10026T		



PLAN VIEW

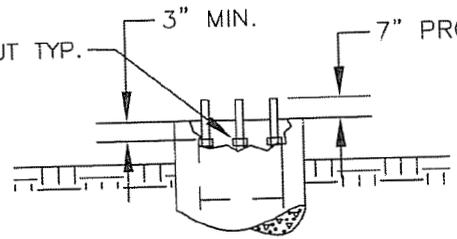


WORLD TOWER

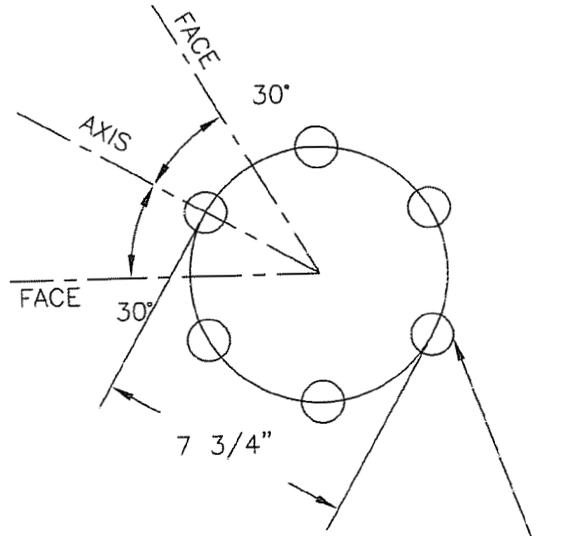
TITLE:
 WAVEGUIDE LOCATION
 145' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE : TOMPKINSVILLE 2
 MONROE COUNTY, KY

SCALE NONE	DWN. LKB	CKD.	DATE 1-22-10
FILE	DWG. NO. Q10026WG		

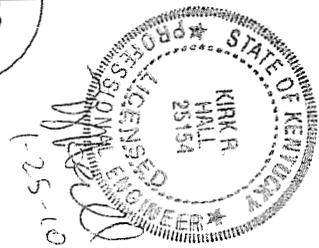
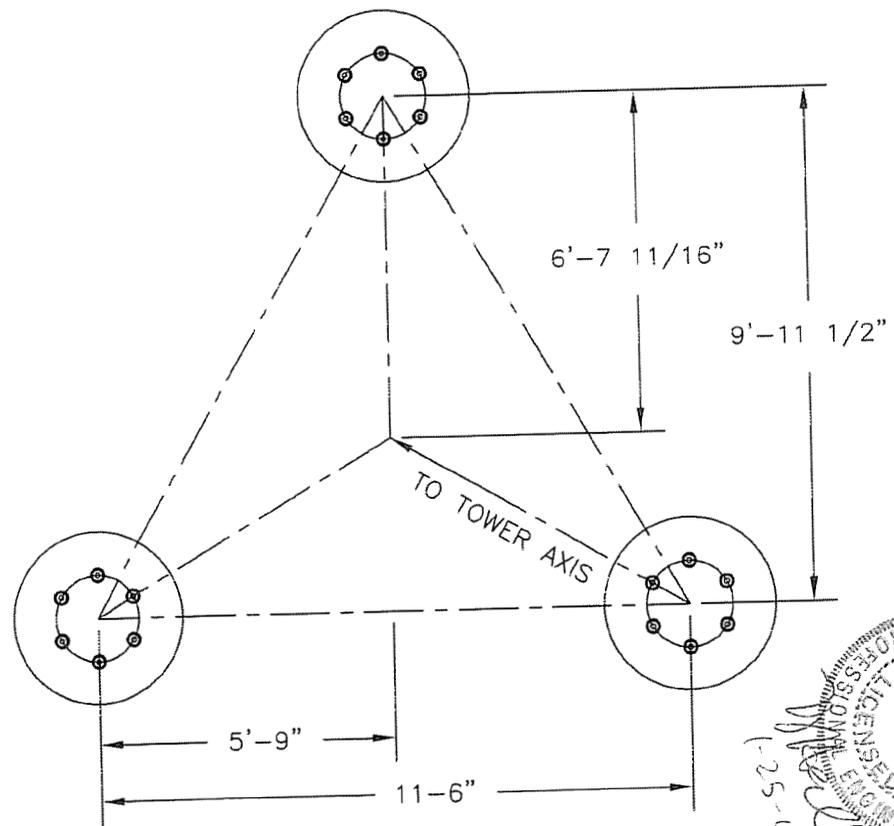
GALVANIZED NUT TYP. 3" MIN. 7" PROJ.



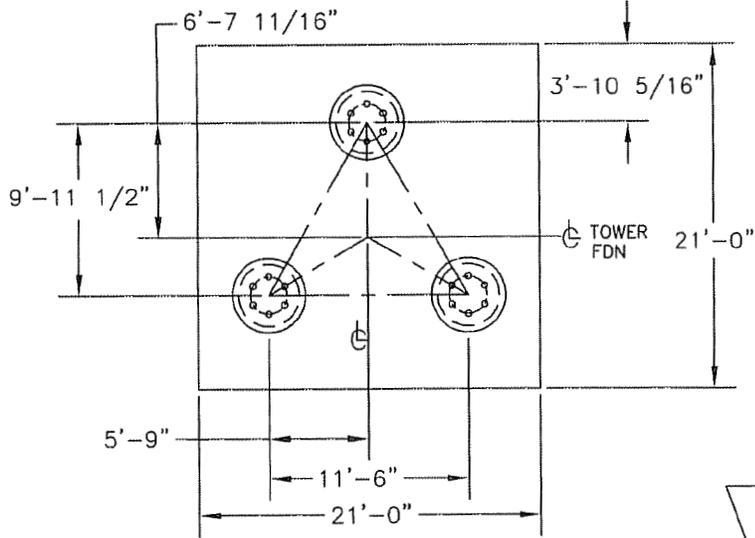
PIER ELEVATION



ANCHOR BOLTS 6 (18 TOTAL)
 1"Ø X 70" ASTM A449
 EQUALLY SPACED ON A 7 3/4"
 DIA. BOLT CIRCLE WITH TOP TEMPLATE
 AND EMBEDDED PLATE

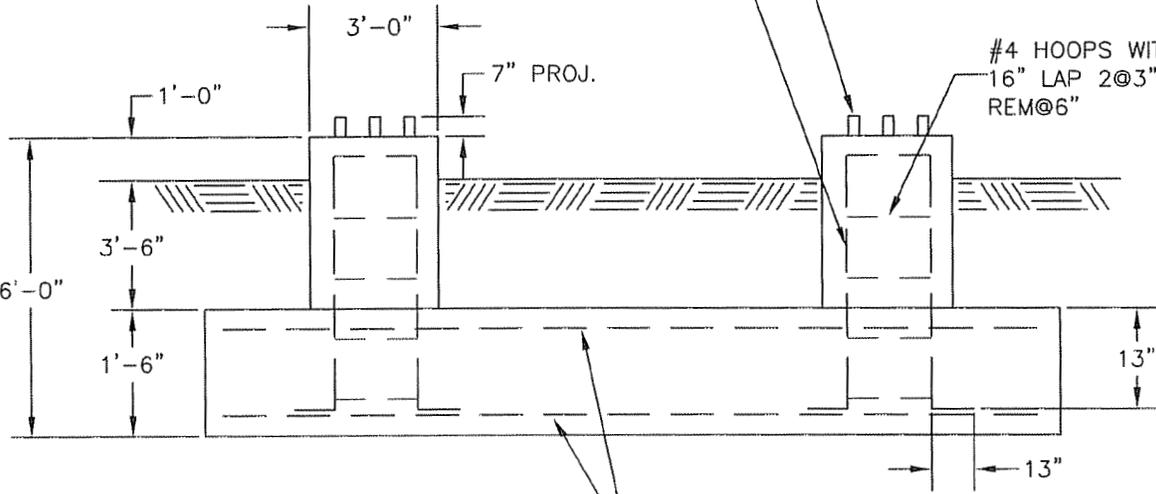


WORLD TOWER			
TITLE: ANCHOR BOLT LAYOUT 145' MODEL WSST TOWER FOR: BLUEGRASS CELLULAR SITE : TOMPKINSVILLE MONROE COUNTY, KY			
SCALE NONE	DWN. LKB	CKD.	DATE 1-22-10
FILE	DWG. NO. Q10026AB		



28.0 CU. YDS.
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	2244.0 FT. KIPS
COMP.	241.0 KIPS
UPLIFT	207.0 KIPS
SHEAR (3 LEG)	26.0 KIPS
WT. NO ICE	47.0 KIPS
WT. 3/4" ICE	115.0 KIPS



16 #6 VERT. REBARS
WITH 90° A.C.I. BEND AT BOTTOM

ANCHOR BOLTS
EMBEDDED PLATE AT BOTTOM

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

22-#8 REBARS
EACH WAY TOP AND BOTTOM

GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM PATRIOT. PROJECT NUMBER 5-09-0864 DATED DECEMBER 17, 2009.



TITLE: FOUNDATION DETAIL
145' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: TOMPKINSVILLE 2
MONROE COUNTY, KY

WORLD TOWER

SCALE NONE DWN. LKB CKD. DATE 1-22-10
FILE DWG. NO. Q10026F

January 19, 2010

Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42702

Attention: Jeff Brewer

Reference: Proposed 145' Self Supporting Tower
Tompkinsville, Monroe County, Kentucky
World Tower File No. Q10-026

The above-referenced structure has been designed by a licensed professional engineer to safely support the specified loading (see engineering drawings) in accordance with the TIA-222-G 2006 Standard for a 90 mph design wind gust. The TIA-222-G Standard is based upon the requirements of the International Building Code and was developed by tower professionals to more accurately address the engineering and design of steel tower structures.

The structure has been designed based on standard steel design techniques and procedures including all applicable safety factors, therefore, the structure is considered "safe" at its design wind loading. If an extreme wind event were to occur, failure would not be expected at the instant the design wind speed is exceeded. Any wind loading that occurs over and above the design wind loading would begin to overcome the design safety factors before a failure could occur. Safety factors for tower members vary based on failure mode, but all tower members can support a minimum of 1.25 times their design load without permanent deformation.

Steel towers are constructed of many small leg, diagonal and horizontal members of known strength. It is highly unlikely that a tower failure will occur, but if a tower failure is to be predicted, then failure would first occur in the weakest member(s) with the least amount of safety factor. Using this approach, a self-supporting tower can be designed to fail in a certain location by over designing members in the lower portion of the tower, giving them a greater safety factor and less probability of failure.

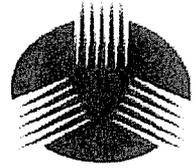
For this tower, the weakest members were intentionally designed as the primary leg members between 80' and 60'. These legs would be stressed to approximately 99.4% of safe capacity in an extreme wind event and would be expected to fail first if the safety factors were exceeded. For this reason, the theoretical fall radius for this tower would be a maximum of 85-feet as the weakest legs are the first to experience failure through a combination of buckling and bending during a catastrophic wind event. Once the highest portion of the tower fails and falls down off the tower, the stresses on the lower (stronger) portion of the tower are reduced. This usually results in a portion of the structure remaining intact after the partial failure.

Please contact us at your convenience should you have further questions concerning the safety of tower structures or other aspects of tower design.

Sincerely,

Kirk R. Hall, P.E.
World Tower Company, Inc.

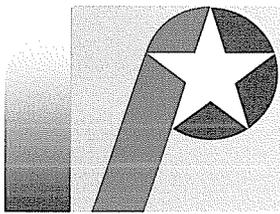
Fabrication, Installation, and Maintenance of TV, AM, FM, & Wireless Communications Towers



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





**PATRIOT ENGINEERING
and Environmental, Inc.**

Engineering Value for Project Success

Consulting Environmental, Geotechnical and Materials Engineers

December 17, 2009

Bluegrass Cellular
2902 Ring Road
P.O. Box 5012
Elizabethtown, KY 42702

Attention: Jeff Brewer, Project Supervisor

RE: Report of Geotechnical Engineering Investigation
Tompkinsville II Cell Tower
182 Tom Ford Rd.
Tompkinsville, Monroe County, KY
Patriot Project Number 5-09-0864

Dear Jeff:

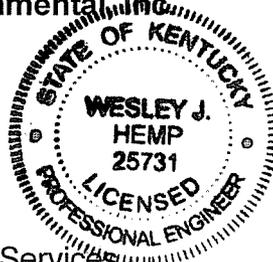
Submitted herewith is the report of our subsurface investigation for the above-referenced project. This investigation was completed in general accordance with our Proposal Number PLE08-0025 dated June 19, 2008.

This report includes detailed and graphic logs of the one (1) soil test boring drilled at the proposed site. Also included in the report are the results of laboratory tests performed on samples obtained from the site, and geotechnical recommendations pertinent to the foundation design and construction.

We appreciate the opportunity to have performed this geotechnical engineering investigation and are looking forward to working with you during the construction phase of the project. If you have any questions regarding this report or if we may be of any additional assistance regarding any geotechnical aspect of the project, please do not hesitate to contact our office.

Respectfully submitted,
Patriot Engineering and Environmental, Inc.


Wesley J. Hemp, P.E., LEED AP
Director – Louisville Geotechnical Services




Richard L. Johnson, P.E.
Senior Project Engineer

Attachment: Report of Geotechnical Engineering Investigation

400 Production Court, Louisville, Kentucky 40299
(502) 961-5652 • (502) 961-9256 FAX • www.patrioteng.com

Offices in Indianapolis, Evansville, Fort Wayne, Lafayette, Terre Haute, and Dayton.

Report of
Geotechnical Engineering Investigation
Tompkinsville II Cell Tower
Tompkinsville, Monroe County, KY
Patriot Project No. 5-09-0864

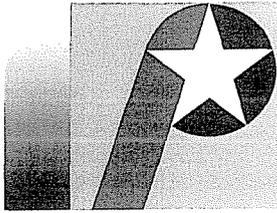
Prepared For:

Jeff Brewer
Bluegrass Cellular
2902 Ring Road
P.O. Box 5012
Elizabethtown, KY 42702

Prepared By:

Patriot Engineering and
Environmental, Inc.
400 Production Court
Louisville, Kentucky 40299

December 17, 2009



**PATRIOT ENGINEERING
and Environmental, Inc.**

Engineering Value for Project Success

Consulting Environmental, Geotechnical and Materials Engineers

December 17, 2009

Bluegrass Cellular
2902 Ring Road
P.O. Box 5012
Elizabethtown, KY 42702

Attention: Jeff Brewer, Project Supervisor

RE: Report of Geotechnical Engineering Investigation
Tompkinsville II Cell Tower
182 Tom Ford Rd.
Tompkinsville, Monroe County, KY
Patriot Project Number 5-09-0864

Dear Jeff:

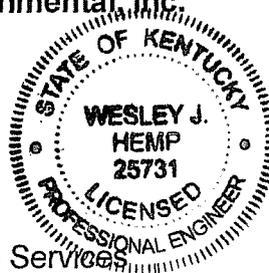
Submitted herewith is the report of our subsurface investigation for the above-referenced project. This investigation was completed in general accordance with our Proposal Number PLE08-0025 dated June 19, 2008.

This report includes detailed and graphic logs of the one (1) soil test boring drilled at the proposed site. Also included in the report are the results of laboratory tests performed on samples obtained from the site, and geotechnical recommendations pertinent to the foundation design and construction.

We appreciate the opportunity to have performed this geotechnical engineering investigation and are looking forward to working with you during the construction phase of the project. If you have any questions regarding this report or if we may be of any additional assistance regarding any geotechnical aspect of the project, please do not hesitate to contact our office.

Respectfully submitted,
Patriot Engineering and Environmental, Inc.

Wesley J. Hemp, P.E., LEED AP
Director – Louisville Geotechnical Services



Richard L. Johnson, P.E.
Senior Project Engineer

Attachment: Report of Geotechnical Engineering Investigation

400 Production Court, Louisville, Kentucky 40299
(502) 961-5652 • (502) 961-9256 FAX • www.patrioteng.com

Offices in Indianapolis, Evansville, Fort Wayne, Lafayette, Terre Haute, and Dayton.

TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
1.1 General	1
1.2 Purpose and Scope.....	1
2.0 PROJECT INFORMATION.....	1
3.0 SITE AND SUBSURFACE CONDITIONS	2
3.1 Site Conditions	2
3.2 Site Geology.....	2
3.3 Subsurface Conditions	2
3.4 Groundwater Conditions	4
4.0 DESIGN RECOMMENDATIONS.....	4
4.1 Basis	4
4.2 Tower Foundation	4
4.3 Maintenance Building Foundations	6
4.4 Floor Slabs	7
4.5 Modulus of Subgrade Reaction.....	8
4.6 Access Road and Parking Area	8
4.7 Seismic Considerations.....	10
4.8 Earth Resistivity Testing.....	10
5.0 CONSTRUCTION CONSIDERATIONS	11
5.1 Site Preparation	11
5.2 Foundation Excavations.....	11
5.3 Structural Fill and Fill Placement Control	13
5.4 Groundwater	14
5.5 Sinkhole Considerations.....	15
6.0 INVESTIGATIONAL PROCEDURES.....	16
6.1 Field Work	16
6.2 Laboratory Testing	17
7.0 ILLUSTRATIONS	18

APPENDICES

Appendix A:	Site Vicinity Map
	Boring/Resistivity Test Location Map
	Sinkhole Identification Map
	Boring Log
	Boring Log Key
	Unified Soils Classification
Appendix B:	General Qualifications
	Standard Clause for Unanticipated Subsurface Conditions

REPORT OF GEOTECHNICAL ENGINEERING INVESTIGATION

Tompkinsville II Cell Tower
Tompkinsville, Monroe County, KY
Patriot Project No. 5-09-0864

1.0 INTRODUCTION

1.1 General

Bluegrass Cellular is planning the construction of a new cell tower located in Tompkinsville, Monroe County, KY. The results of our geotechnical engineering investigation for the project are presented in this report. This investigation was carried out in general accordance with *Patriot's* Proposal No. PLE08-0025, dated June 19, 2008.

1.2 Purpose and Scope

The purpose of this investigation was to determine the general near surface and subsurface conditions within the project area and to develop the geotechnical engineering recommendations necessary for the design and construction of the structure. This was achieved by drilling a soil test boring at 1 location, and by conducting laboratory tests on samples taken from the boring. This report contains the results of our findings, an engineering interpretation of these results with respect to the available project information, and recommendations to aid in the design and construction of the proposed cell tower facility.

2.0 PROJECT INFORMATION

The proposed project includes a self-supported cell tower to be constructed on a hilltop in Tompkinsville, Monroe County, KY. Structural loading information for this project was not available at the time of this report. However, information provided by the client in regards to projects of a similar size and scope indicates that the tower height will not exceed 240 feet and that the anticipated structural loads will not exceed the following loading conditions:

Vertical (Downward) Load:	400 kips
Uplift:	330 kips
Horizontal Shear:	50 kips

3.0 SITE AND SUBSURFACE CONDITIONS

3.1 Site Conditions

The area for the proposed cell tower is located on a hilltop pasture in Tompkinsville, Monroe County, KY. The proposed lease area is situated about 550 to 600 feet off the east side of Tom Ford Rd., approximately 0.35 northeast of the intersection with Wilson Road. The immediate vicinity of the tower lease area is relatively flat and slopes down abruptly outside of the lease area in all directions. The area just west of the proposed tower compound is heavily wooded.

3.2 Site Geology

Information pertaining to soil characteristics in the project area was obtained through the Kentucky Geological Survey Interactive GIS Map, and experience with previous geotechnical investigations in the area.

The site is located in the Mississippian Plateaus Physiographic Region in south-central Kentucky, near the eastern border of the Dripping Springs Escarpment. The bedrock at or near the surface consists of sedimentary rock and is of Mississippian age. Specifically, the underlying bedrock is referred to as the St. Louis Limestone formation. This formation consists of medium to very dark gray or olive and greenish gray, very fine to medium-grained limestone. This formation is also known to contain interbedded calcareous siltstone that is light to medium gray and olive gray in color. Black chert that weathers white is common in this formation. Parent soils in this area consist primarily of material weathered from limestone and siltstone along with the brecciated sandstone cap that typically overlies the St. Louis Limestone formation in this region. The St. Louis Limestone is a karstic formation, meaning that sinkholes are prevalent throughout the formation. No sinkholes were noted on the property or within the immediate vicinity of the project area. However, the Kentucky Geological Survey Interactive GIS Map does indicate the presence of several sinkholes within in near the project site.

3.3 Subsurface Conditions

Our interpretation of the subsurface conditions is based upon one soil boring drilled at the approximate location shown on the Boring Location Map in Appendix A. The following discussion is general; for more specific information, please refer to the boring log presented in Appendix A. It should be noted that the dashed stratification

lines shown on the soil boring log indicate approximate transitions between soil types. In situ stratification changes could occur gradually or at different depths. All depths discussed below refer to depths below the existing ground surface.

The parcel is generally covered with topsoil, a surficial layer of material that is a blend of silts, sands, and clays, with varying amounts of organic matter. The topsoil layer was about 6 inches thick in the test boring.

Below the topsoil surface cover, the boring encountered silty lean clay described as light brown, moist, and medium stiff to stiff to a depth of 3.5 feet. Clay described as red, moist, and very stiff to hard with weathered chert fragments was encountered from 3.5 to 8.5 feet. Below this layer, the boring encountered sandy clay described as red, moist, and very stiff to stiff between 8.5 and 18.5 feet. Below this layer the boring encountered sandy clay described as red mottled yellowish brown, moist, and stiff to a depth of 23.5 feet. Yellowish brown mottled orange brown silty clay that was described as moist to very moist and stiff to very stiff w/ trace black chert fragments was encountered between depths of 18.5 and 38.5 feet. Soft to stiff yellowish brown mottled orange brown silty clay was encountered below this layer to the termination depth of 40 feet.

Standard Penetration Test blow counts (N-values) were 6 blows per foot (bpf) in the upper 3.5 feet, 38 bpf between 3.5 and 6.0 feet, 33 bpf between 6.0 and 8.5 feet, 27 bpf between 8.5 and 13.5 feet, 15 bpf between 13.5 and 18.5 feet, 11 bpf between 18.5 and 23.5 feet, 8 bpf between 23.5 and 28.5 feet, 13 bpf between 28.5 and 33.5 feet, 12 bpf between 33.5 and 38.5 feet, and 14 bpf between 38.5 and 40 feet. Natural moisture contents in these soils ranged from 17 to 34 percent with an average of about 26 percent. Compressive strengths as determined with a calibrated hand penetrometer ranged from 0.25 to 4.25 tons per square foot (tsf) in these soils.

Atterberg Limits testing was performed on sample B-1, 3.5'-5.0' to determine the plasticity. The results revealed a liquid limit of 78 percent, a plastic limit of 35 percent, and a plasticity index of 43 percent.

3.4 Groundwater Conditions

Groundwater was not encountered during nor upon completion of drilling operations.

The term groundwater, for the purpose of this report, pertains to any water that percolates through the naturally occurring soil materials found on site. This includes any overland flow that permeates through a given depth of soil, perched water, and water that occurs below the "water table", a zone that remains saturated and water bearing year round.

It should be recognized that fluctuations in the groundwater level should be expected to occur due to variations in rainfall and other environmental or physical factors at the time measurements are made. The true static groundwater level can only be determined through observations made in cased holes over a long period of time, the construction of which was beyond the scope of this investigation.

4.0 DESIGN RECOMMENDATIONS

4.1 Basis

Our recommendations are based on data presented in this report, which include soil borings, laboratory testing and our experience with similar projects. Subsurface variations that may not be indicated by a dispersive exploratory boring program can exist on any site. If such variations or unexpected conditions are encountered during construction, or if the project information is incorrect or changed, we should be informed immediately since the validity of our recommendations may be affected. Refer to Appendix B for additional qualifications and contractual considerations.

4.2 Tower Foundation

Drilled Piers

The structure may be supported on a deep foundation system consisting of drilled piers. Drilled piers may be designed using the net allowable end bearing pressures and allowable skin friction values shown in the table below.

Depth Range (feet)	Soil Type	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Angle of Shearing Resistance (degrees)	Cohesion (psf)
0-5	Silty Clay	Ignore	Ignore	Ignore	Ignore
5-13.5	Silty to Sandy Clay	600	3,600	0	4,000
13.5-23.5	Sandy Clay	225	3,600	0	1,500
23.5-40.0	Silty Clay	180	3,600	0	1,250

Development of the design capacity is based on the following conditions or criteria:

- Drilled Piers should be designed as straight shaft and have a minimum diameter of 30 inches and be installed to a minimum depth of four times the pier diameter.
- Belling of piers may be performed for piers bearing on silty to sandy clay.
- The center-to-center spacing of the shafts will be a minimum of 2.5 pier diameters.
- Load applied to the shaft cap is uniformly distributed to each of the piers.
- Shafts should be constructed in accordance with the recommendations for shaft construction in Section 5.1 of this report.
- The drilled piers should be installed by a specialty contractor experienced in drilled pier installation.

For drilled pier design, the net allowable end bearing pressure is based on loads applied at the pier cap. The weight of the pier or the pier cap need not be included in the downward axial load used to dimension the pier.

Mat Foundation

Alternatively, the cell tower may be supported using a mat foundation bearing on native clay at a depth of at least 4 feet. The maximum allowable bearing pressure for mat foundation design should not exceed **2,500** psf. The thickness of the mat should be sufficient to support the tower as a rigid mat without flexure. For mat foundation design, we recommend that the modulus of subgrade reaction, "K₃₀", not exceed **90** pounds per cubic inch. A cohesion value of **1500** psf or a friction coefficient of **0.55**

may be utilized to determine sliding resistance for a mat foundation bearing on silty to sandy clay or crushed stone backfill, respectively. It should be noted that the cohesion and friction coefficient values provided above do not include factors of safety. A moist unit weight not exceeding **110** pcf should be utilized for on-site clay soils to be used as overburden for the mat foundation.

The mat should be constructed in compliance with the recommendations discussed in the Construction Considerations (Section 5.0) of this report.

A detailed settlement analysis was beyond the scope of this report; however, we estimate that the total settlement of the mat foundation bearing on native stiff clay should not exceed approximately 1 inch. Careful field control during construction is necessary to minimize the actual settlement that will occur.

4.3 Maintenance Building Foundations

It should be noted that a test boring was not performed for the Maintenance Building foundation since the location of the building has yet to be determined. Therefore, the recommendations provided below are based upon information obtained from the test boring performed at the center of the tower location.

The proposed structure can be supported on spread footings bearing on native silty clay or structural fill overlying the same at normal shallow depths provided that where encountered, any highly plastic (CH) fat clay soils are over-excavated to a minimum depth of 24 inches below the foundation bearing elevation and replaced with at least 24 inches of approved compacted structural backfill as outlined in this report. The reason for this over-excavation and replacement is to reduce the potential for volume changes in the underlying highly plastic fat clay (CH) that could damage structure foundation due to changes in moisture content.

These footings may be proportioned using net an allowable soil bearing pressure not exceeding **1,500** pounds per square foot (psf) for wall footings bearing at normal shallow depths, provided the foundations are constructed in compliance with the recommendations discussed in Section 5.0 of this report. Footings bearing on at

least 24 inches of structural fill after over-excavating to 24 inches below existing site grade may be designed using an allowable bearing pressure of **3,200** psf.

In using the above net allowable soil bearing pressure, the weight of the foundation and backfill over the foundation need not be considered. Hence, only loads applied at or above the minimum finished grade adjacent to the footing need to be used for dimensioning the foundations. Each new foundation should be positioned so it does not induce significant pressure on adjacent foundations; otherwise the stress overlap must be considered in the design.

All exterior foundations and foundations in unheated areas should be located at a depth of at least 24 inches below final exterior grade for frost protection. We recommend that strip footings be at least 18 inches wide and column footings be at least 24 inches wide. We estimate that the total foundation settlement should not exceed approximately 1 inch and that differential settlement should not exceed about $\frac{3}{4}$ inch for footings bearing at shallow depths on stiff clay or on structural fill overlying the same. Careful field control during construction is necessary to minimize the actual settlement that will occur.

Positive drainage of surface water, including downspout discharge, should be maintained away from structure foundations to avoid wetting and weakening of the foundation soils both during construction and after construction is complete.

4.4 Floor Slabs

The shallow lean silty clay (CL) soils encountered in the test boring are generally suitable for floor slab support. ***If highly plastic (CH) clay is encountered at the slab bearing elevation, we recommend that these soils be over-excavated to a depth of 24 inches below the slab bearing elevation and replaced with an equal amount of compacted structural fill as outlined in this report.***

Depending upon the time of year in which floor slabs are constructed the native subgrade may be soft or frozen. If floor slab construction takes place during the rainy season or the winter months, some undercutting should be expected prior to placement of the granular base course.

We recommend that all floor slabs be designed as "floating", that is, fully ground supported and not structurally connected to walls or foundations. This is to minimize the possibility of cracking and displacement of the floor slab because of differential movements between the slab and the foundation. Although the movements are estimated to be within the tolerable limits for the structural safety, such movements could be detrimental to the slabs if they were rigidly connected to the foundations.

The building floor slab should be supported on a minimum 6-inch thick, granular base course, bearing on a suitably prepared subgrade (refer to Section 5.0 Construction Considerations). The granular base course is expected to help distribute loads and equalize moisture conditions beneath the slab. All slabs should be liberally jointed and designed with the appropriate reinforcement for the anticipated loading conditions.

4.5 Modulus of Subgrade Reaction

A modulus of subgrade reaction, "K₃₀", value of **90** pounds per cubic inch (pci) is recommended for the design of ground supported floor slabs bearing on native low plasticity lean clay (CL). It should be noted that the "K₃₀" modulus is based on a 30-inch diameter plate load test and a CBR value of **2.0**.

4.6 Access Road and Parking Area

No test borings were performed for the tower access drive. It is possible that conditions different than those encountered at the tower location may exist along the access drive. Therefore, the following discussion should be considered general in nature in regards to access road and parking areas.

The near surface silty clay (CL) soil encountered in the test boring is generally suitable for support of the access road and parking area, assuming that these areas will not be paved. However, since the access road will most likely be located in a pasture, it is possible that soft or otherwise undesirable materials may be encountered along the access road alignment. These materials would require removal prior to construction of the crushed stone roadway and parking area. Depending upon the site grading plan and the location of the access road, bedrock may be encountered at or above the proposed access road or parking lot elevations.

If the areas are to be paved, we recommend that the areas be over-excavated to a minimum depth of 24 inches below the pavement bearing elevation where highly plastic clays are encountered and replaced with approved compacted structural fill. As previously discussed, highly plastic clays are subject to volume change due to changes in moisture content. Pavements are especially susceptible to these effects and damage cost by frost action during the cold season due to the presence of highly plastic soils.

Depending upon the time of year in which access road and parking areas are constructed the exposed subgrade may be soft. If soft areas are encountered during construction, the areas should be undercut and replaced with approved compacted structural fill as outlined in section 5.0 of this report. If construction is performed during a wet or cold period, the contractor will need to exercise care during the grading and fill placement activities in order to achieve the necessary subgrade soil support for the access road (See Section 5.0 for Construction Considerations).

It is assumed that the access drive/parking lot design for this project will be similar to past projects with the same general scope. The typical design generally consists of 6" to 8" of coarse-graded stone overlain by a minimum of 4" of compacted crusher run stone or DGA. A pavement section without asphalt or concrete surface cover will require regular maintenance due to degradation of soils caused by inclement weather, vegetation growth, and vehicular traffic. Therefore, the pavement section will require routine maintenance to keep the access drive and parking areas functional.

The base soil for the access road and parking will need to be firm and dry. The subgrade should be sloped properly in order to provide good base drainage. To minimize the effects of groundwater or surface water conditions, the base section for the driveway should be sufficiently high above adjacent ditches and properly graded to provide adequate drainage.

Our recommendations are based on the assumption that the access drive and parking areas will be constructed on proofrolled natural soils, or on structural fill overlying the same. Serviceable pavements can be achieved by different combinations of materials and thickness, varied to provide roughly equivalent strengths. In addition, local practice for existing pavement construction should be

reviewed for other blends, combinations of materials that have been found satisfactory, and for applicable minimum standards.

4.7 Seismic Considerations

We have reviewed Section 1615 of the 2007 Kentucky Building Code with respect to the subsurface conditions disclosed by our geotechnical investigation and the following recommendations and comments are presented for your use in developing the seismic design criteria for the structural design. For structural design purposes, we recommend using a **Site Class of C** as defined by the 2007 Kentucky Building Code. Other earthquake resistant design parameters should be applied consistent with the minimum requirements of the Kentucky Building Code. The Site Class of C was based on cohesive (clayey) soils and brecciated sandstone with an average shear wave velocity of 1,200 feet per second to a depth of 100 feet.

4.8 Earth Resistivity Testing

Resistivity testing of the subsurface materials was performed utilizing a Metrel Earth-Insulation Tester. The four point Wenner Array was utilized. The setup of this array consists of placing four equally spaced electrodes in a straight line along the subgrade. A current is sent through the outer two probes via the test meter, while the two inner probes measure the voltage drop due the current flow. The resistance is then calculated utilizing Ohm's Law. Earth resistivity measurements were performed along two lines running perpendicular to one another through the center of the proposed tower location at 5, 10, 15, 20, 30, and 40 foot spacing's. Please refer to the table below for testing results.

Figure 2 - Earth Resistivity Testing Results			
Line A-A'		Line B-B'	
Spacing (ft.)	Resistivity (Ω -m)	Spacing (ft.)	Resistivity (Ω -m)
5	273	5	319
10	349	10	351
15	360	15	331
20	344	20	312
30	325	30	256
40	292	40	220

5.0 CONSTRUCTION CONSIDERATIONS

5.1 Site Preparation

All areas that will support foundations, floors, pavements or newly placed structural fill must be properly prepared. All loose surficial soil, topsoil, fill and other unsuitable materials must be removed. Unsuitable materials include: frozen soil, relatively soft material, relatively wet soils, deleterious material, soils that exhibit a high organic content.

Prior to construction of floor slabs or pavements or the placement of new structural fill, the exposed subgrade must be evaluated by the Patriot representative. The evaluation should include proofrolling of the subgrade.

Care must be exercised during grading and fill placement operations. The combination of heavy construction equipment traffic and excess surface moisture can cause pumping and deterioration of the near surface soils. The severity of this potential problem depends to a great extent on the weather conditions prevailing during construction.

5.2 Foundation Excavations

Drilled Shaft Excavations

The drilled shaft excavations should be observed by *Patriot's* geotechnical engineer or his representative to verify that the foundations will bear at the specified minimum depth and with the minimum bearing requirements, as recommended in Section 4.2 of this report. To confirm adequate bearing, *Patriot's* site representative will visually examine a sample of the soils taken at the proposed bearing depth. Surface runoff or seepage water should be drained away from the drilled pier excavation and not be allowed to collect in the excavation.

Additional recommendations for drilled pier foundation construction are presented below:

- **If drilled pier excavations extend into the underlying sandy clay layers, it is possible that casing and/or use of drilling fluid will be required to keep the excavation from collapsing. However, it should be noted that the use**

of drilling fluids can cause a reduction in shear strength and subsequent loss in skin friction capacity of the clay soils. Therefore, we recommend that the drilled piers be installed utilizing the dry method with temporary casing (if necessary) in-lieu of the slurry method.

- The geotechnical engineer should be retained to document the shaft diameter, depth, cleanliness, plumbness, and type of end bearing material during pier construction.
- The foundation bearing material should be evaluated after the bottom of the hole is leveled, cleared of any mud and extraneous materials, and dewatered.
- The drilling equipment should have the capacity to produce a torque of at least 500,000 inch-pounds and a downward force of at least 50,000 pounds.
- Temporary protective steel casing should be available to be installed in the pier, if necessary, to prevent sidewall collapse and excessive mud and water intrusion into the opened excavation. The casing may be extracted as the excavation is filled with concrete. However, the protective casing should not be removed until the weight of concrete placed into the pier exceeds the ground water head.
- A positive head of concrete (minimum of 5 feet) should be maintained above the bottom of the casing during withdrawal and the contractor should prevent concrete from “hanging-up” inside the shell, which may allow soil and water intrusion below the shell.
- If groundwater seepage into the drilled pier excavation is less than 20 gallons per minute, pumps should be used to maintain less than two inches of water. After observation and evaluation of the pier bottom by the geotechnical engineer, the pumps should be removed and concrete placement initiated immediately. If water is flowing into the hole at a rate greater than 20 gallons per minute, the geotechnical engineer should be consulted for guidance.
- Concrete with slumps ranging between four and seven inches should be used for backfilling the piers.
- Concrete placement into the drilled hole should be directed through a centering device located at the ground surface. If significant groundwater inflow is encountered, a tremie pipe should be used during the concrete placement.
- Construction techniques used for drilled pier installation should conform to applicable Occupational Safety and Health Administration (OSHA) regulations.

Spread Footing & Mat Foundation Excavations

The exposed clay in the base of the maintenance building foundations (except for foundations bearing on structural backfill) should be observed by a Patriot site representative to confirm that bearing material of adequate strength has been reached and that no highly plastic (CH) clay materials are present beneath the spread footing foundations. The cavity should be backfilled with approved structural fill as outlined in Section 5.3 of this report.

If it is necessary to support the foundation on structural fill, then the fill pad must extend laterally a minimum distance beyond the edge of the mat foundation. The minimum structural pad width would correspond with a point at which an imaginary line extending downward from the outside edge of the footing at a 1H:2V slope intersects the surface of the natural soils. For example, if the depth to the bottom of excavation is 2 feet below the bottom of the foundation, the excavation would need to extend laterally beyond the edge of the footing at least 1 foot, as shown in Illustration A found at the conclusion of this report.

Excavation slopes should be maintained within OSHA requirements. In addition, we recommend that any surcharge fill or heavy equipment be kept at least 5 feet away from the edge of the excavation. In addition, excavations that occur near existing in-use foundations should be carefully performed, making a conscious effort not to undermine the support of the in-use foundations. If it is necessary to excavate soils adjacent to and below the bearing elevation of any in-use foundations *Patriot* should be contacted to make further recommendations regarding these excavations. Please refer to Illustration B in Appendix A for further details.

Construction traffic on the exposed surface of the bearing soils will potentially cause some disturbance of the subgrade and consequently loss of bearing capacity. However, the degree of disturbance can be minimized by proper protection of the exposed surface.

5.3 Structural Fill and Fill Placement Control

Structural fill, defined as any fill that will support structural loads, should be clean and free of organic material, debris, deleterious materials and frozen soils. Samples of the proposed fill materials should be tested prior to initiating the earthwork and backfilling

operations to determine the classification, natural and optimum moisture contents, maximum dry density and overall suitability as a structural fill. **Structural fill beneath should be limited to compacted crushed stone (DGA, No. 57, No. 2, or No. 3 Stone) or lean clay (CL) that has a liquid limit of less than 40 percent and a plasticity index of less than 20 percent.**

All structural fill placed beneath floor slabs and above the foundation bearing elevation should be compacted to at least 95 percent of its maximum Standard Proctor dry density (ASTM D-698). This minimum compaction requirement should be increased to 100 percent of the maximum Standard Proctor dry density for fill supporting footings or the mat foundation, provided foundations are designed as outlined in Design Recommendations, Section 4.2.

It may be necessary to scarify and recompact the near surface soil prior to placement of the pavement sections. Any fill placed or recompact within 1 ft of the base of the pavement section should also be compacted to at least 100 percent of the Standard Proctor maximum dry density. This can be reduced to 95 percent for engineered fill placed more than 1 ft below the base of the pavement section.

To achieve the recommended compaction of the structural fill, we suggest that the fill be placed and compacted in layers not exceeding eight inches in loose thickness. A Patriot soils engineer or his representative should monitor all fill placements.

5.4 Groundwater

Groundwater was not encountered during or upon completion of drilling operations in the test boring. Groundwater inflow into shallow excavations above the groundwater table is expected to be adequately controlled by conventional methods such as gravity drainage and/or pumping from sumps. More significant inflow can be expected in deeper excavations below the groundwater table requiring more aggressive dewatering techniques, such as well or wellpoint systems. For groundwater to have minimal effects on the construction, foundation excavations should be constructed and poured in the same day, if possible.

5.5 Sinkhole Considerations

Review of available geologic information and our prior experience in the area suggests the site is located in a karst region. Therefore, the underlying limestone bedrock may be susceptible to solution weathering. Our site observations did not note any sinkholes within the proposed lease area, although several sinkholes were identified within the vicinity of the project area when reviewing the available geology maps. There are risks associated with construction activity in karst regions, including some risk of future dropout occurrence. It is possible that site grading activity may uncover insipient sinkholes that were not previously discovered by our investigation. A quantitative evaluation of this risk is beyond the scope of this geotechnical engineering investigation. However, qualitative assessments may be made based on past experience in the area and other site specific indicators. In our opinion, the risks at this site should be no greater than that of numerous other sites which have been successfully developed in the general area of the site. Therefore, the following general discussion should be considered in regard to sinkholes and their treatment.

Our prior experience with similar sites indicates that the risks associated with future sinkhole development can be reduced by properly treating existing sinkholes and prudent site design and development procedures.

Solution activity typically results from water movement through the limestone bedrock. Therefore, an important factor in site design and construction is to reduce the quantity of surface water which is allowed to infiltrate into the subgrade near planned structural areas. We recommend that project design and construction include the following considerations:

- Building and pavement areas should be sited as far as practical, horizontally from identified solution features.
- All surface drainage should be directed away from structural areas.
- Water should not be allowed to pond in structural areas.
- Water collected from the roof systems should be collected in pipes and suitably disposed of in non-structural areas. The collected waters should not be routed and discharged to sinkholes near structural areas.
- All water pipelines and planters should be designed and installed such that leakage and water infiltration is minimized.

The actual method used for treating of sinkholes is typically dependent on the depth to limestone bedrock (as shown in illustration C). For shallow bedrock conditions, an acceptable method of treatment is to excavate the sinkhole throat to a defined opening in the limestone bedrock at the soil/rock interface (Illustration C – top). The exposed area should be properly cleaned and then plugged with lean concrete. Once the area is plugged, the excavation may be backfilled to desired grade with properly placed and compacted fill.

Construction of a graded inverted filter inside the cone of depression is another treatment method available (Illustration C – bottom). This methodology is more suitable for deeper (i.e., greater than 10 to 15 feet) bedrock conditions. The filter should be constructed by initially excavating the area down to limestone, exposing the solution drainage channel if possible. At this level, a suitable geotextile fabric (such as used for pavement edge drains) should be placed over the excavated area. The fabric should extend up on each side of the trench, with enough material to overlap the top of the excavation after backfilling. The area can then be backfilled using crushed limestone. A minimum thickness of 24 inches of coarse crushed limestone (such as No. 1 stone) should be placed initially and covered with finer clean crushed limestone (such as DGA stone). Upon completing the stone backfilling, the geotextile should overlap the top of the stone to encapsulate the plug. We recommend that a layer of compacted soil fill cap of at least one-foot thick be placed over the encapsulated stone plug to limit surface water migration into the inverted filter. We recommend that collected surface waters not be routed to or discharged into the treated sinkholes. Our experience indicates that changes in the quantity of water discharged into solution features may result in enlargement of the feature, even after treatment. If solution features are identified during construction activities, the geotechnical engineer should be contacted for guidance.

6.0 INVESTIGATIONAL PROCEDURES

6.1 Field Work

A total of 1 boring was performed at the project site on November 24, 2009 at the approximate location shown on the Boring Location Plan in Appendix A. The boring was drilled in the center of the cell tower area to a termination depth of 40 feet. All depths are given as feet below the existing ground surface.

The boring was advanced using 3¼" I.D. (inside diameter) hollow-stem augers. Samples were recovered in the undisturbed material below the bottom of the augers using the standard drive sample technique in accordance with ASTM D 1586-74. A 2" O.D. by 1³/₈" I.D. split-spoon sampler was driven a total of 18 inches with the number of blows of a 140-pound hammer falling 30 inches of penetration is the Standard Penetration Test result commonly referred to as the N-value (or blow-count). Split-spoon samples were recovered at 2.5-foot intervals, beginning at a depth of 1 foot below the existing surface grade, extending to the auger refusal depth. Water levels were monitored at the borehole location during drilling and upon completion of the boring. The borehole was backfilled with auger cuttings prior to demobilization for safety considerations.

Earth Resistivity Testing was performed at the site on December 11, 2009. The testing was performed along two lines running perpendicular to one another through the center of the proposed tower location.

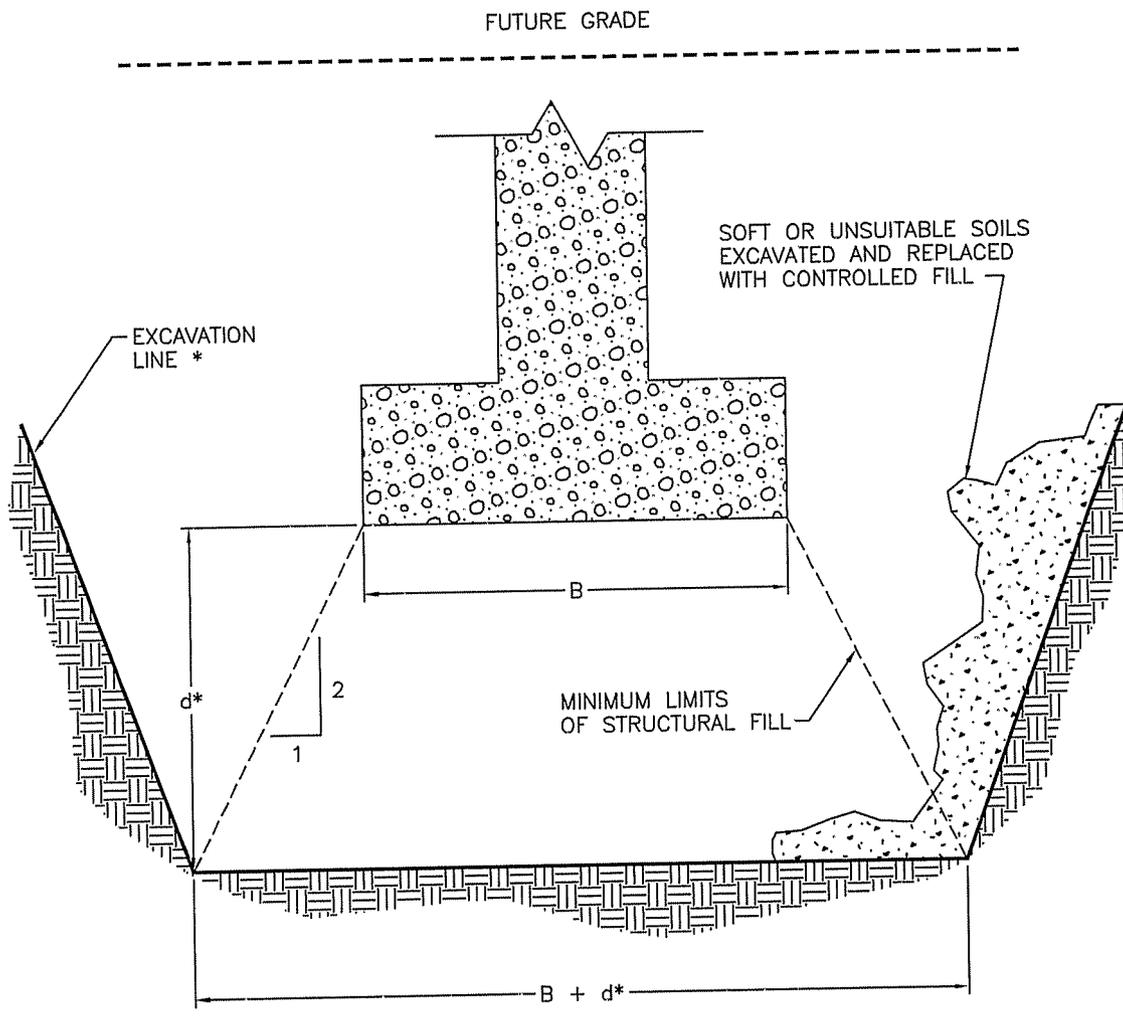
Upon completion of the boring program, all of the samples retrieved during drilling in this sampling program were returned to *Patriot's* soils testing laboratory where they were visually examined and classified. A laboratory generated log was prepared based upon the driller's field log, laboratory test results, and our visual classification. The test boring log and a description of the classification system are included in Appendix A in this report. Indicated on the log are the primary strata encountered, the approximate depth of each stratum change, depth of sample, the Standard Penetration Test results, groundwater conditions, and select laboratory test data. The laboratory log was prepared giving the appropriate sample data and the textural description and classification.

6.2 Laboratory Testing

Representative samples recovered in the boring were selected for testing in the laboratory to evaluate their physical properties and engineering characteristics. Laboratory analyses included natural moisture content determinations (ASTM D 2216), an estimate of unconfined compressive strength testing by use of a calibrated hand penetrometer, and the Atterberg Limits (ASTM D 4318). The results of all laboratory tests are shown on the boring log.

7.0 ILLUSTRATIONS

See Illustrations A, B, and C on the following pages. These illustrations are presented to further visually clarify the Construction Considerations presented in Section 5.2.



*d IS DEPTH TO SUITABLE SOILS

* IN COMPLIANCE WITH OSHA STANDARDS



PATRIOT ENGINEERING
 and Environmental, Inc.
 4735 Poplar Level Road, Suite 1
 (502)961-5652 FAX (502)961-9256

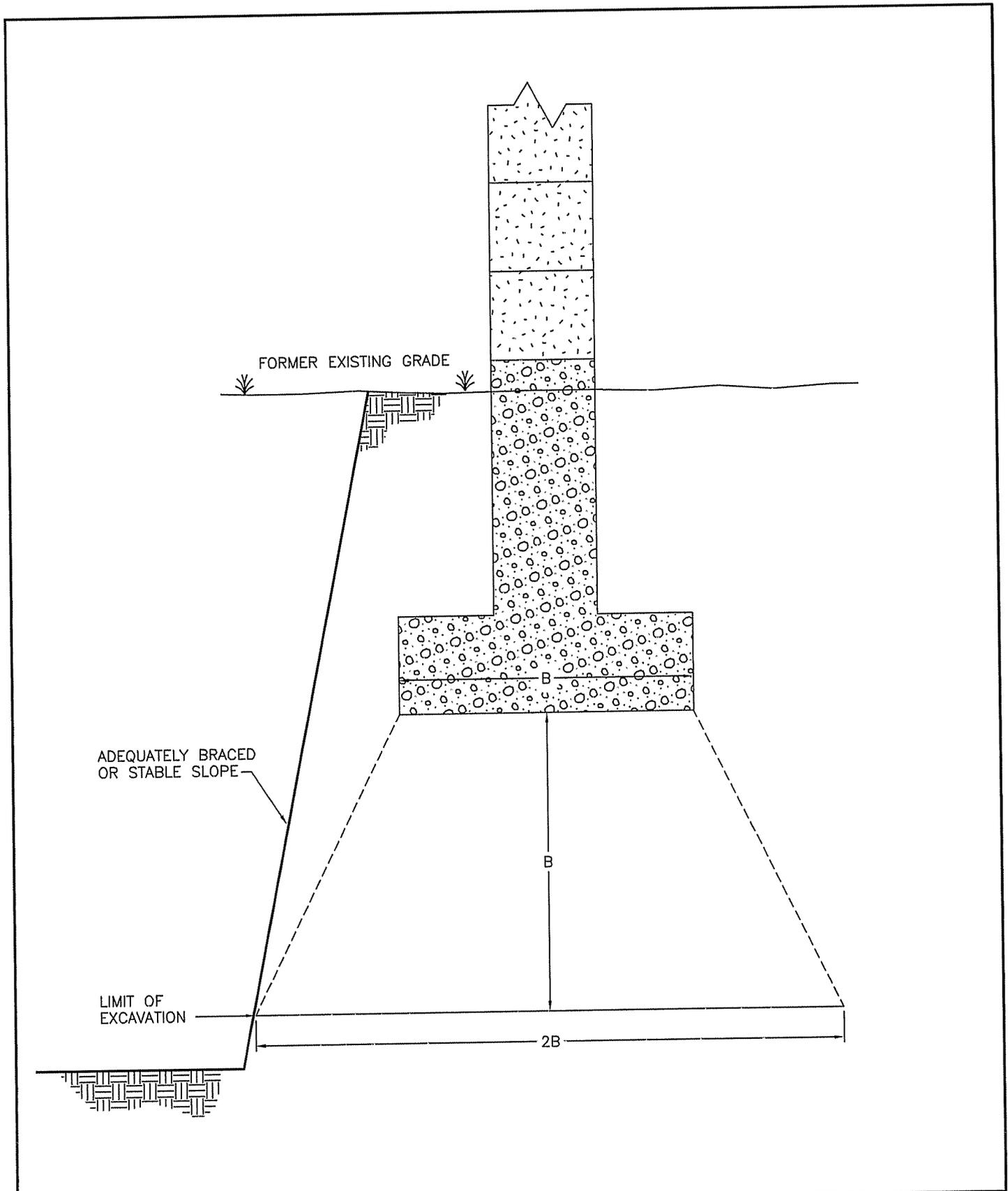
Excavation for Footings
 In an Area of Fill
ILLUSTRATION A

job. no.:

PAT-UC

figure:

1



PATRIOT ENGINEERING
 and Environmental, Inc.
 4735 Poplar Level Road, Suite 1
 (502)961-5652 FAX (502)961-9256

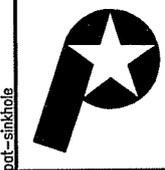
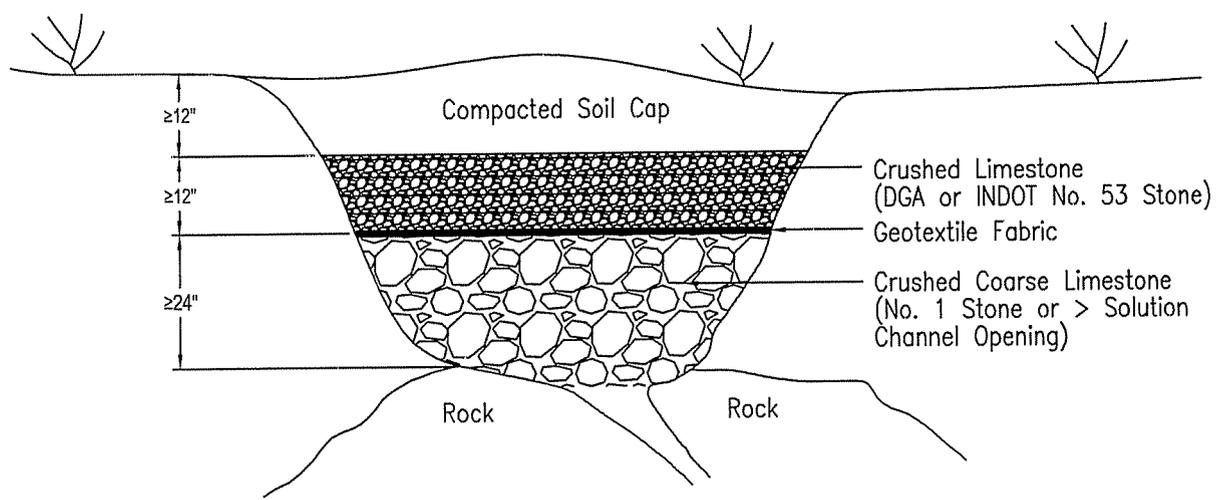
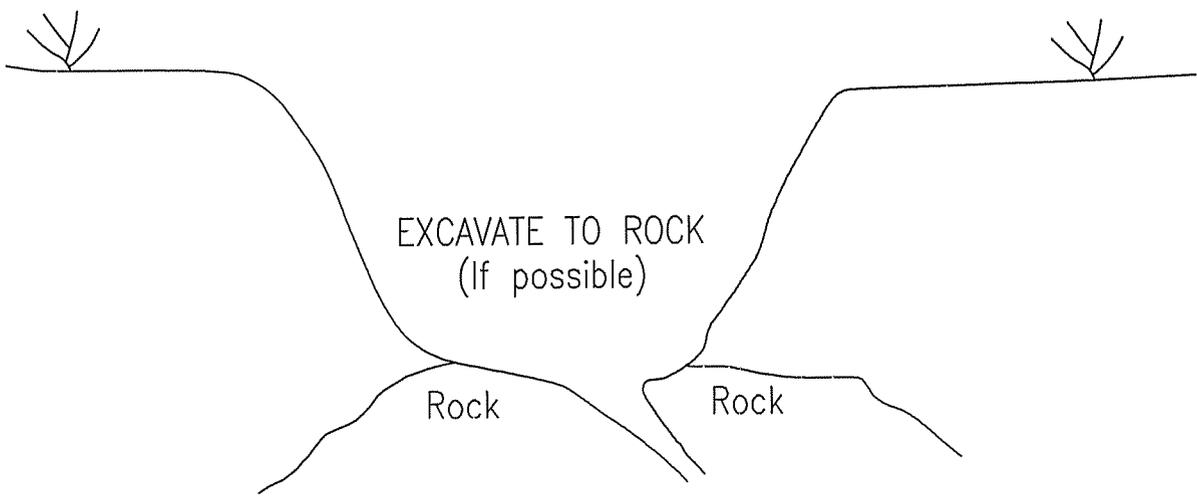
Excavation Near Existing
 In Use Foundations
ILLUSTRATION B

job. no.:

PAT-UC1

figure:

1



**PATRIOT ENGINEERING
and ENVIRONMENTAL, INC.**
400 Production Court, Louisville, KY 40299
(502)961-5652 FAX (502)961-9256

Treatment Method For
Deep Sink Holes
ILLUSTRATION C

PROJECT NO.

FIGURE

1

pat-sinkhole

APPENDIX A

Site Vicinity Map

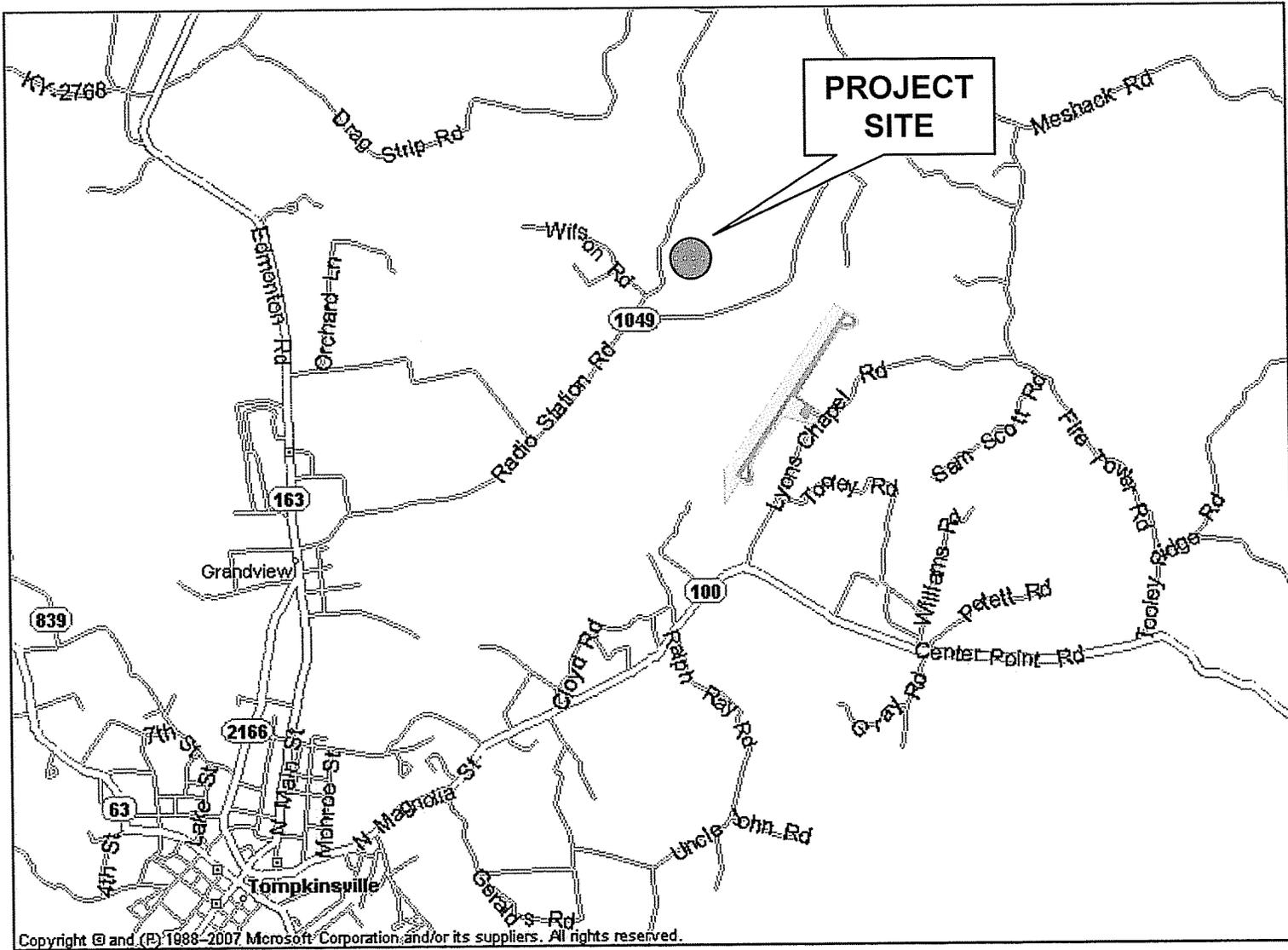
Boring / Resistivity Test Location Map

Sinkhole Identification Map

Boring Log

Boring Log Key

Unified Soils Classification (USCS)



Copyright © and (P) 1988-2007 Microsoft Corporation and/or its suppliers. All rights reserved.



PATRIOT ENGINEERING
and Environmental, Inc.
Louisville, Kentucky 40299

Site Location Map

Tompkinsville Cell Tower
182 Tom Ford Rd.
Tompkinsville, Monroe County, KY

Job No. 5-09-0864

Figure 1

N



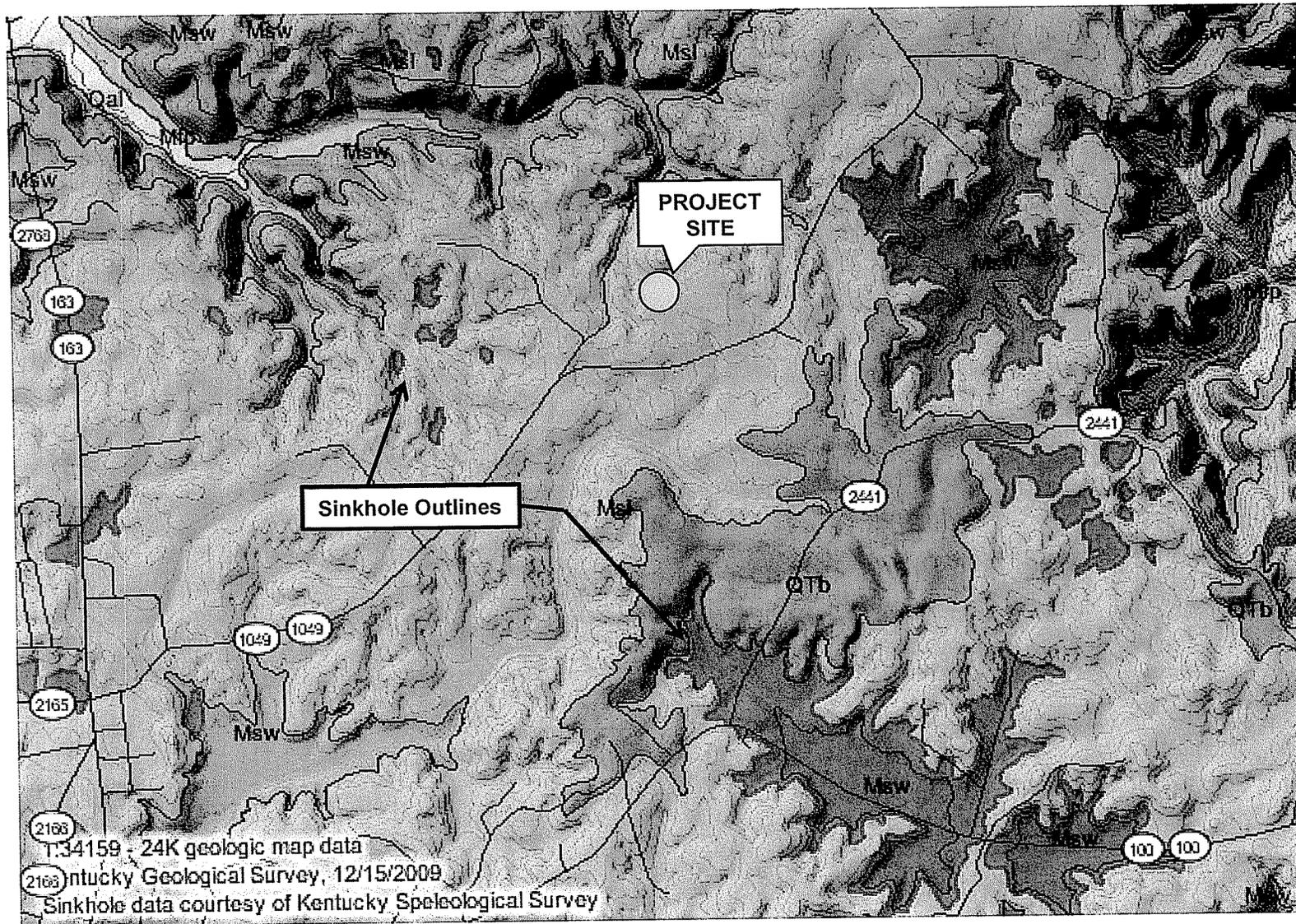
PATRIOT ENGINEERING
and Environmental, Inc.
Louisville, Kentucky 40299

Site Location Map

Tompkinsville Cell Tower
182 Tom Ford Rd.
Tompkinsville, Monroe County, KY

Job No. 5-09-0864

Figure 2



PATRIOT ENGINEERING
and Environmental, Inc.
Louisville, Kentucky 40299

Sinkhole Identification Map

Tompkinsville Cell Tower
182 Tom Ford Rd.
Tompkinsville, Monroe County, KY

Job No. 5-09-0864

Figure 3



PATRIOT ENGINEERING
and Environmental Inc.
Indianapolis, Terre Haute, Evansville,
Fort Wayne, South Bend, Lafayette,
Louisville KY, Dayton OH,
Charleston IL

LOG OF BORING B-1

(Page 1 of 1)

Tompkinsville II Cell Tower
182 Tom Ford Rd.
Tompkinsville, Monroe County, KY

Client Name : Bluegrass Cellular
Project Number : 5-09-0864
Logged By : W. Hemp
Start Date : 11/24/2009
Drilling Method : HSA

Driller : G. Taylor
Sampling : Splitspoon
Approximate Elevation : 1,020 +/-
Drill Rig : CME-750 ATV

Depth in Feet	Water Level	USCS	GRAPHIC	DESCRIPTION	Samples	Rec %	SPT Results	qp tsf	w %	RQD %	REMARKS
0				Topsoil (6")							
0 - 3		CL		SILTY CLAY, light brown, moist, medium stiff to stiff, w/ race roots	☒	89	3/3/3	1.75	21		
3 - 5		CH		CLAY, red, moist, very stiff to hard, w/ weathered chert fragments	☒	100	5/10/12	4.25	29		Atterberg Limits LL=78%, PL=35%, PI=43%
5 - 8		CH			☒	100	12/14/19	-	28		
8 - 13		CH		SANDY CLAY, red, moist, very stiff	☒	100	7/13/14	2.5	17		
13 - 20		CH		* w/ weathered chert fragments	☒	33	8/7/8	2.0	21		
20 - 24		CH		SANDY CLAY, red mottled yellowish brown, moist, stiff	☒	78	11/6/5	1.0	22		
24 - 27		CH		SILTY CLAY, yellowish brown mottled orange brown, moist to very moist, stiff to medium stiff, w/ trace black chert fragments	☒	100	6/4/4	1.25	29		Boring caved to 23.0' upon auger removal.
27 - 30		CH			☒	100	6/6/7	0.75	28		
30 - 34		CH			☒	100	5/6/6	0.5	26		
34 - 40		CH		SILTY CLAY, yellowish brown mottled orange brown, very moist, soft to stiff, w/ trace chert fragments	☒	100	4/6/8	0.25	34		
40 - 45				Boring terminated at 40.0'							

12-16-2009 P:\Borings\KY2009\5-09-0864\B-1.bor

BORING LOG KEY

UNIFIED SOIL CLASSIFICATION SYSTEM FIELD CLASSIFICATION SYSTEM FOR SOIL EXPLORATION

NON COHESIVE SOILS (Silt, Sand, Gravel and Combinations)

Density		Grain Size Terminology		
Very Loose	-5 blows/ft. or less	<u>Soil Fraction</u>	<u>Particle Size</u>	<u>US Standard Sieve Size</u>
Loose	-6 to 10 blows/ft.	Boulders	Larger than 12"	Larger than 12"
Medium Dense	-11 to 30 blows/ft.	Cobbles	3" to 12"	3" to 12"
Dense	-31 to 50 blows/ft.	Gravel: Coarse	¾" to 3"	¾" to 3"
Very Dense	-51 blows/ft. or more	Small	4.76mm to ¾"	#4 to ¾"
		Sand: Coarse	2.00mm to 4.76mm	#10 to #4
		Medium	0.42mm to 2.00mm	#40 to #10
		Fine	0.074mm to 0.42mm	#200 to #40
		Silt	0.005mm to 0.074 mm	Smaller than #200
		Clay	Smaller than 0.005mm	Smaller than #200

RELATIVE PROPORTIONS FOR SOILS

Descriptive Term	Percent
Trace	1 - 10
Little	11 - 20
Some	21 - 35
And	36 - 50

COHESIVE SOILS

(Clay, Silt and Combinations)

Consistency	Field Identification	Unconfined Compressive Strength (tons/sq. ft.)
Very Soft	Thumb will penetrate soil more than 1 inch	Less than 0.25
Soft	Thumb will penetrate soil about 1 inch	0.25 – < 0.5
Medium Stiff	Thumb will penetrate soil about ½ inch	0.5 - < 1.0
Stiff	Thumb will indent soil about ¼ inch	1.0 - < 2.0
Very Stiff	Readily indented by thumbnail	2.0 - < 4.0
Hard	Indented with difficulty by thumbnail	Over 4.0

Classification on logs are made by visual inspection.

Standard Penetration Test - Driving a 2.0" O.D., 1^{3/8}" I.D., sampler a distance of 1.0 foot into undisturbed soil with a 140 pound hammer free falling a distance of 30.0 inches. It is customary for **Patriot** to drive the spoon 6.0 inches to seat into undisturbed soil, then perform the test. The number of hammer blows for seating the spoon and making the tests are recorded for each 6.0 inches of penetration on the drill log (Example - 6/8/9). The standard penetration test results can be obtained by adding the last two figures (i.e. 8 + 9 = 17 blows/ft.).

Strata Changes - In the column "Soil Descriptions" on the drill log the horizontal lines represent strata changes. A solid line (————) represents an actually observed change, a dashed line (- - - - -) represents an estimated change.

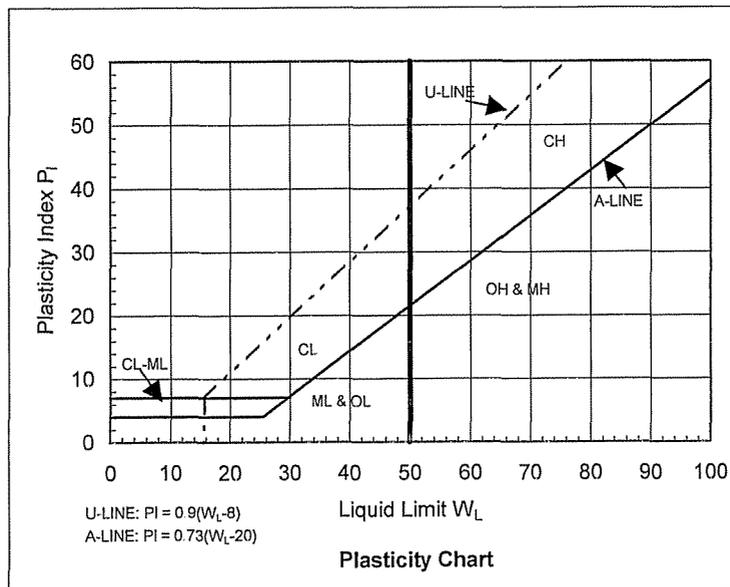
Groundwater observations were made at the times indicated. Porosity of soil strata, weather conditions, site topography, etc., may cause changes in the water levels indicated on the logs.

Groundwater symbols: ▼-observed groundwater elevation, encountered during drilling; ▽-observed groundwater elevation upon completion of boring.



Unified Soil Classification

Major Divisions		Group Symbol	Typical Names	Classification Criteria for Coarse-Grained Soils				
Coarse-grained soils (more than half of material is larger than No. 200)	Gravels (more than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_u \geq 4$ $1 \leq C_c \leq 3$	$C_u = \frac{D_{60}}{D_{10}}$	$C_c = \frac{D_{30}^2}{D_{10} D_{60}}$	
		Gravels with fines (appreciable amount of fines)	GM	$\frac{d}{u}$	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below A line or $P_i < 4$		
			GC		Clayey gravels, gravel-sand-clay mixtures			
						Above A line with $4 < P_i < 7$ are borderline cases requiring use of dual symbols		
	Sands (more than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_u \geq 6$ $1 \leq C_c \leq 3$			
		Sands with fines (appreciable amount of fines)	SM	$\frac{d}{u}$	Silty sands, sand-silt mixtures	Atterberg limits below A line or $P_i < 4$		
			SC		Clayey sands, sand-clay mixtures			
						Limits plotting in hatched zone with $4 \leq P_i \leq 7$ are borderline cases requiring use of dual symbols		
Fine-grained soils (more than half of material is smaller than No. 200)	Silt and clays (liquid limit <50)	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity	<ol style="list-style-type: none"> Determine percentages of sand and gravel from grain size curve. Depending on percentages of fines (fraction smaller than 200 sieve size), coarse-grained soils are classified as follows: Less than 5% - GW, GP, SW, SP More than 12% - GM, GC, SM, SC 5-12% - Borderline cases requiring dual symbols 				
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays					
		OL	Organic silts and organic silty clays of low plasticity					
	Silt and clays (liquid limit >50)	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts					
		CH	Inorganic clays or high plasticity, fat clays					
		OH	Organic clays of medium to high plasticity, organic silts					
	Highly organic soils	PT	Peat and other highly organic soils					



APPENDIX B

General Qualifications

and

Standard Clause for Unanticipated Subsurface Conditions

GENERAL QUALIFICATIONS
of Patriot Engineering's Geotechnical Engineering Investigation

This report has been prepared at the request of our client for his use on this project. Our professional services have been performed, findings obtained, and recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied.

The scope of our services did not include any environmental assessment or investigation for the presence or absence of wetlands, hazardous or toxic materials in the soil, groundwater, or surface water within or beyond the site studied. Any statements in this report or on the test borings logs regarding vegetation types, odors or staining of soils, or other unusual conditions observed are strictly for the information of our client and the owner.

This report may not contain sufficient information for purposes of other parties or other uses. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the field and laboratory data presented in this report. Should there be any significant differences in structural arrangement, loading or location of the structure, our analysis should be reviewed.

The recommendations provided herein were developed from the information obtained in the test borings, which depict subsurface conditions only at specific locations. The analysis, conclusions, and recommendations contained in our report are based on site conditions as they existed at the time of our exploration. Subsurface conditions at other locations may differ from those occurring at the specific drill sites. The nature and extent of variations between borings may not become evident until the time of construction. If, after performing on-site observations during construction and noting the characteristics of any variation, substantially different subsurface conditions from those encountered during our explorations are observed or appear to be present beneath excavations we must be advised promptly so that we can review these conditions and reconsider our recommendations where necessary.

If there is a substantial lapse of time between the submission of our report and the start of work at the site, or if conditions have changed due to natural causes or construction operations at or adjacent to the site, we urge that our report be reviewed to determine the applicability of the conclusions and recommendations considering the changed conditions and time lapse.

We urge that Patriot be retained to review those portions of the plans and specifications that pertain to earthwork and foundations to determine whether they are consistent with our recommendations. In addition, we are available to observe construction, particularly the compaction of structural backfill and preparation of the foundations, and such other field observations as may be necessary.

In order to fairly consider changed or unexpected conditions that might arise during construction, we recommend the following verbiage (Standard Clause for Unanticipated Subsurface Conditions) be included in the project contract.

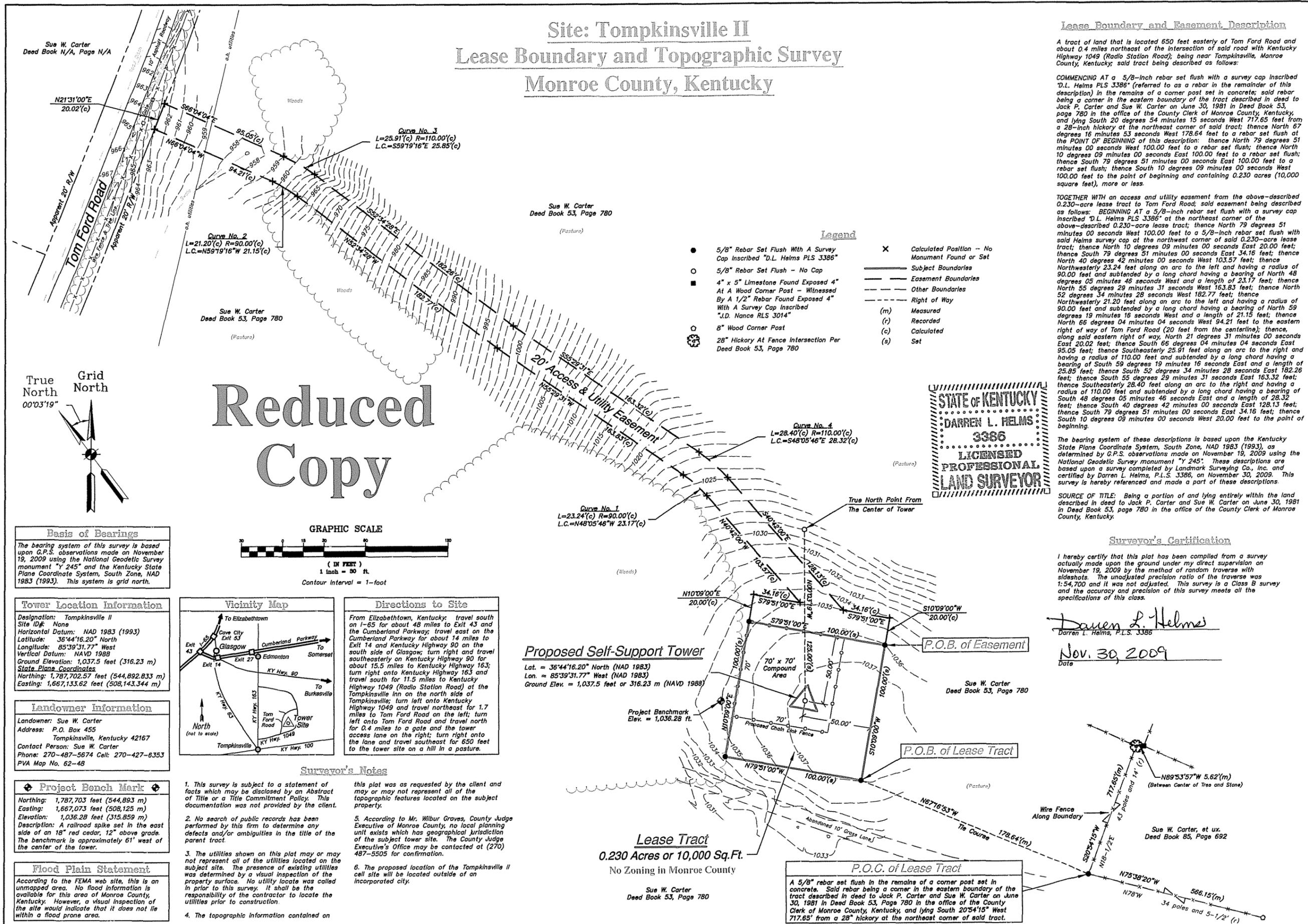
STANDARD CLAUSE FOR UNANTICIPATED SUBSURFACE CONDITIONS

"The owner has had a subsurface exploration performed by a soils consultant, the results of which are contained in the consultant's report. The consultant's report presents his conclusions on the subsurface conditions based on his interpretation of the data obtained in the exploration. The contractor acknowledges that he has reviewed the consultant's report and any addenda thereto, and that his bid for earthwork operations is based on the subsurface conditions as described in that report. It is recognized that a subsurface exploration may not disclose all conditions as they actually exist and further, conditions may change, particularly groundwater conditions, between the time of a subsurface exploration and the time of earthwork operations. In recognition of these facts, this clause is entered in the contract to provide a means of equitable additional compensation for the contractor if adverse unanticipated conditions are encountered and to provide a means of rebate to the owner if the conditions are more favorable than anticipated.

At any time during construction operations that the contractor encounters conditions that are different than those anticipated by the soils consultant's report, he shall immediately (within 24 hours) bring this fact to the owner's attention. If the owner's representative on the construction site observes subsurface conditions which are different than those anticipated by the consultant's report, he shall immediately (within 24 hours) bring this fact to the contractor's attention. Once a fact of unanticipated conditions has been brought to the attention of either the owner or the contractor, and the consultant has concurred, immediate negotiations will be undertaken between the owner and the contractor to arrive at a change in contract price for additional work or reduction in work because of the unanticipated conditions. The contract agrees that the following unit prices would apply for additional or reduced work under the contract. For changed conditions for which unit prices are not provided, the additional work shall be paid for on a time and materials basis."

Another example of a changed conditions clause can be found in paper No. 4035 by Robert F. Borg, published in ASCE Construction Division Journal, No. CO2, September 1964, page 37.

Site: Tompkinsville II Lease Boundary and Topographic Survey Monroe County, Kentucky



Lease Boundary and Easement Description

A tract of land that is located 650 feet easterly of Tom Ford Road and about 0.4 miles northeast of the intersection of said road with Kentucky Highway 1049 (Radio Station Road); being near Tompkinsville, Monroe County, Kentucky; said tract being described as follows:

COMMENCING AT 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) in the remains of a corner post set in concrete; said rebar being a corner in the eastern boundary of the tract described in deed to Jack P. Carter and Sue W. Carter on June 30, 1981 in Deed Book 53, page 780 in the office of the County Clerk of Monroe County, Kentucky, and lying South 20 degrees 54 minutes 15 seconds West 717.65 feet from a 28-inch hickory at the northeast corner of said tract; thence North 67 degrees 16 minutes 53 seconds West 178.64 feet to a rebar set flush at the POINT OF BEGINNING of this description; thence North 79 degrees 51 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 10 degrees 09 minutes 00 seconds East 100.00 feet to a rebar set flush; thence South 79 degrees 51 minutes 00 seconds East 100.00 feet to a rebar set flush; thence South 10 degrees 09 minutes 00 seconds West 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to Tom Ford Road, said easement being described as follows: BEGINNING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the northeast corner of the above-described 0.230-acre lease tract; thence North 79 degrees 51 minutes 00 seconds West 100.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the northwest corner of said 0.230-acre lease tract; thence North 10 degrees 09 minutes 00 seconds East 20.00 feet; thence North 40 degrees 42 minutes 00 seconds West 103.57 feet; thence Northwesterly 23.24 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of North 48 degrees 05 minutes 46 seconds West and a length of 23.17 feet; thence North 55 degrees 29 minutes 31 seconds West 163.83 feet; thence North 52 degrees 34 minutes 28 seconds West 182.77 feet; thence Northwesterly 21.20 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of North 59 degrees 19 minutes 16 seconds West and a length of 25.85 feet; thence North 65 degrees 04 minutes 04 seconds West 94.21 feet to the eastern right of way of Tom Ford Road (20 feet from the centerline); thence, along said eastern right of way, North 21 degrees 31 minutes 00 seconds East 20.02 feet; thence South 66 degrees 04 minutes 04 seconds East 95.05 feet; thence Southwesterly 25.91 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of South 59 degrees 19 minutes 16 seconds East and a length of 25.85 feet; thence South 52 degrees 34 minutes 28 seconds East 182.26 feet; thence South 55 degrees 29 minutes 31 seconds East 163.32 feet; thence South 48 degrees 05 minutes 46 seconds East and a length of 28.32 feet; thence South 40 degrees 42 minutes 00 seconds East 128.13 feet; thence South 79 degrees 51 minutes 00 seconds East 34.16 feet; thence South 10 degrees 09 minutes 00 seconds West 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 (1993), as determined by G.P.S. observations made on November 19, 2009 using the National Geodetic Survey monument "Y 245"; 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 30, 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 Jack P. Carter and Sue W. Carter on June 30, 1981 in Deed Book 53, page 780 in the office of the County Clerk of Monroe County, Kentucky.

Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on November 19, 2009 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:54,700 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

Darren L. Helms
Darren L. Helms, P.L.S. 3386
Nov. 30, 2009
Date

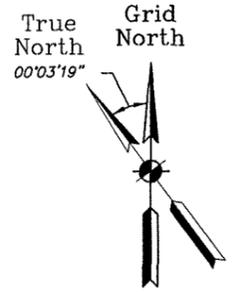
Legend

- 5/8" Rebar Set Flush With A Survey Cap inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- 4" x 5" Limestone Found Exposed 4" At A Wood Corner Post - Witnessed By A 1/2" Rebar Found Exposed 4" With A Survey Cap inscribed "J.D. Nance RLS 3014"
- ⊗ 8" Wood Corner Post
- ⊙ 28" Hickory At Fence Intersection Per Deed Book 53, Page 780
- ✕ Calculated Position - No Monument Found or Set
- Subject Boundaries
- - - Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

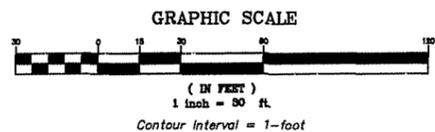
STATE OF KENTUCKY
DARREN L. HELMS
3386
LICENSED
PROFESSIONAL
LAND SURVEYOR

Sue W. Carter
Deed Book N/A, Page N/A

Sue W. Carter
Deed Book 53, Page 780



Reduced Copy

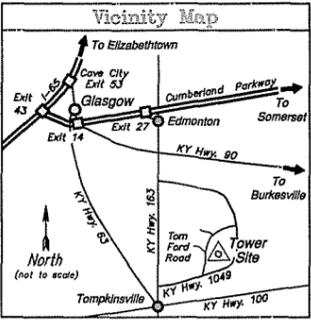


Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on November 19, 2009 using the National Geodetic Survey monument "Y 245" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993). This system is grid north.

Tower Location Information

Designation: Tompkinsville II
Site ID#: None
Horizontal Datum: NAD 1983 (1993)
Latitude: 36°44'16.20" North
Longitude: 85°39'31.77" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,037.5 feet (316.23 m)
State Plane Coordinates
Northing: 1,787,702.57 feet (544,892.833 m)
Easting: 1,667,133.62 feet (508,143.344 m)



Directions to Site

From Elizabethtown, Kentucky, travel south on I-65 for about 48 miles to Exit 43 and the Cumberland Parkway; travel east on the Cumberland Parkway for about 14 miles to Exit 14 and Kentucky Highway 90 on the south side of Glasgow; turn right and travel southeasterly on Kentucky Highway 90 for about 15.5 miles to Kentucky Highway 163; turn right onto Kentucky Highway 163 and travel south for 11.5 miles to Kentucky Highway 1049 (Radio Station Road) at the Tompkinsville Inn on the north side of Tompkinsville; turn left onto Kentucky Highway 1049 and travel northeast for 1.7 miles to Tom Ford Road on the left; turn left onto Tom Ford Road and travel north for 0.4 miles to a gate and the tower access lane on the right; turn right onto the lane and travel southeast for 650 feet to the tower site on a hill in a pasture.

Landowner Information

Landowner: Sue W. Carter
Address: P.O. Box 455
Tompkinsville, Kentucky 42167
Contact Person: Sue W. Carter
Phone: 270-487-5674 Cell: 270-427-6353
PVA Map No. 62-48

Project Bench Mark

Northing: 1,787,703 feet (544,893 m)
Easting: 1,667,073 feet (508,125 m)
Elevation: 1,036.28 feet (315.859 m)
Description: A railroad spike set in the east side of an 18" red cedar, 12" above grade. The benchmark is approximately 61' west of the center of the tower.

Flood Plain Statement

According to the FEMA web site, this is an unmapped area. No flood information is available for this area of Monroe County, Kentucky. However, a visual inspection of the site would indicate that it does not lie within a flood prone area.

Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of 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 the utilities prior to construction.
- The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Mr. Wilbur Graves, County Judge Executive of Monroe 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) 487-5505 for confirmation.
- The proposed location of the Tompkinsville II cell site will be located outside of an incorporated city.

Proposed Self-Support Tower

Lat. = 36°44'16.20" North (NAD 1983)
Lon. = 85°39'31.77" West (NAD 1983)
Ground Elev. = 1,037.5 feet or 316.23 m (NAVD 1988)

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

P.O.C. of Lease Tract

A 5/8" rebar set flush in the remains of a corner post set in concrete. Said rebar being a corner in the eastern boundary of the tract described in deed to Jack P. Carter and Sue W. Carter on June 30, 1981 in Deed Book 53, Page 780 in the office of the County Clerk of Monroe County, Kentucky, and lying South 20°54'15" West 717.65' from a 28" hickory at the northeast corner of said tract.

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0950
Email: landmsvc@msvc.net
Project No. 08-11-012

Lease Boundary Survey
182 Tom Ford Road
Tompkinsville, Kentucky 42167

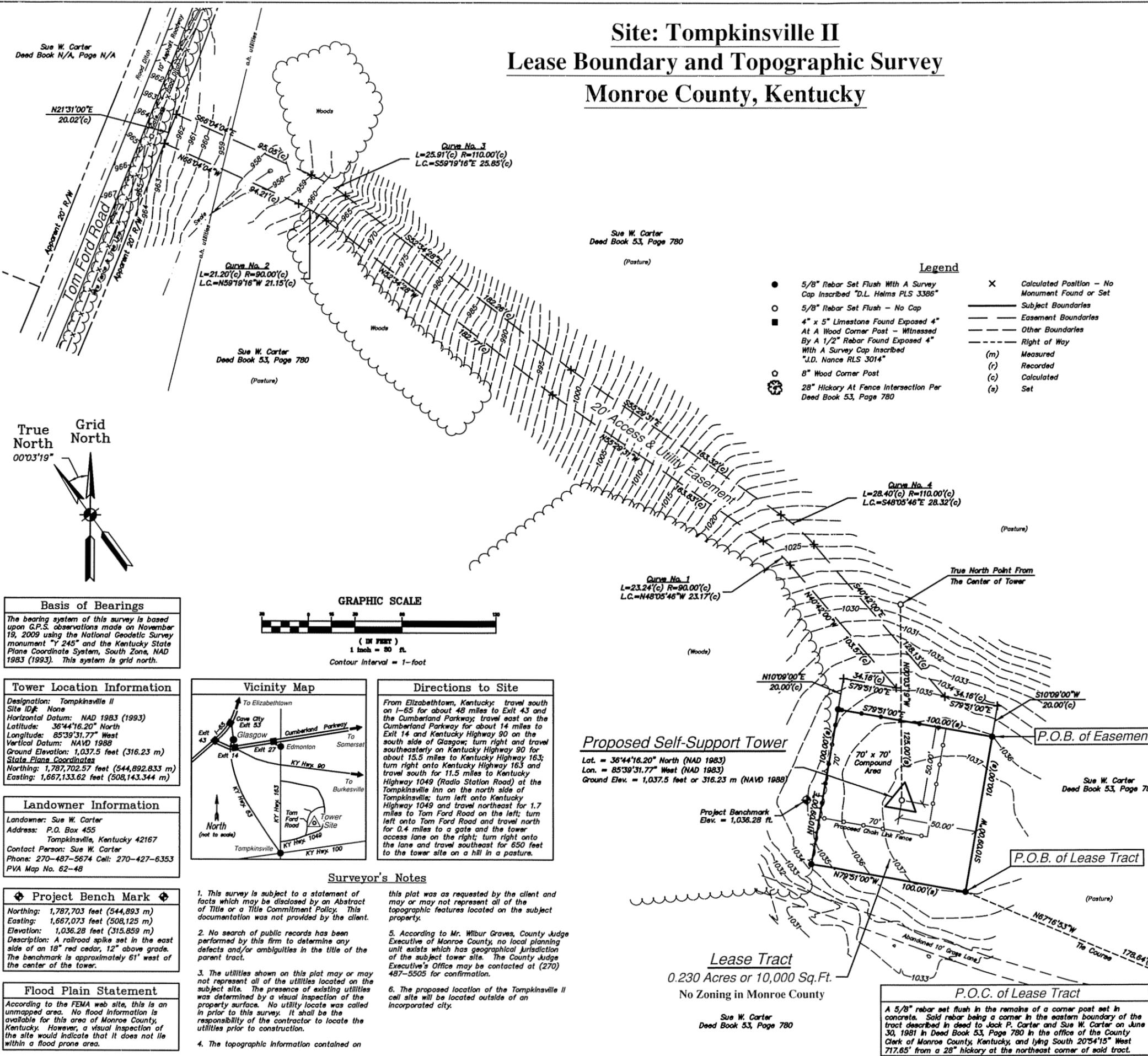
Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE 11-30-09	DRAWN BY A. Whittier	CHECKED BY D.L. Helms	
------------------	-------------------------	--------------------------	--

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

Site: Tompkinsville II Lease Boundary and Topographic Survey Monroe County, Kentucky



Lease Boundary and Easement Description

A tract of land that is located 650 feet easterly of Tom Ford Road and about 0.4 miles northeast of the intersection of said road with Kentucky Highway 1049 (Radio Station Road); being near Tompkinsville, Monroe County, Kentucky; said tract being described as follows:

COMMENCING AT 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) in the remains of a corner post set in concrete; said rebar being a corner in the eastern boundary of the tract described in deed to Jack P. Carter and Sue W. Carter on June 30, 1981 in Deed Book 53, page 780 in the office of the County Clerk of Monroe County, Kentucky; and lying South 20 degrees 54 minutes 15 seconds West 717.65 feet from a 28-inch hickory at the northeast corner of said tract; thence North 67 degrees 16 minutes 53 seconds West 178.64 feet to a rebar set flush at the POINT OF BEGINNING of this description; thence North 79 degrees 51 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 10 degrees 09 minutes 00 seconds East 100.00 feet to a rebar set flush; thence South 79 degrees 51 minutes 00 seconds East 100.00 feet to a rebar set flush; thence South 10 degrees 09 minutes 00 seconds West 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to Tom Ford Road; said easement being described as follows: BEGINNING AT A 5/8-inch rebar set flush with a survey cap inscribed D.L. Helms PLS 3386 at the northeast corner of the above-described 0.230-acre lease tract; thence North 79 degrees 51 minutes 00 seconds West 100.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the northwest corner of said 0.230-acre lease tract; thence North 10 degrees 09 minutes 00 seconds East 20.00 feet; thence South 79 degrees 51 minutes 00 seconds East 34.16 feet; thence North 40 degrees 42 minutes 00 seconds West 103.57 feet; thence Northwesterly 23.24 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of North 48 degrees 05 minutes 46 seconds West and a length of 23.17 feet; thence North 55 degrees 31 minutes 31 seconds West 163.83 feet; thence North 52 degrees 34 minutes 28 seconds West 182.77 feet; thence Northwesterly 21.20 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of North 59 degrees 19 minutes 16 seconds West and a length of 21.15 feet; thence North 86 degrees 04 minutes 04 seconds West 94.21 feet to the eastern right of way of Tom Ford Road (20 feet from the centerline); thence, along said eastern right of way; North 21 degrees 31 minutes 00 seconds East 20.02 feet; thence South 66 degrees 04 minutes 04 seconds East 95.05 feet; thence Southeasterly 25.91 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of South 59 degrees 19 minutes 16 seconds East and a length of 25.85 feet; thence South 52 degrees 34 minutes 28 seconds East 182.26 feet; thence South 55 degrees 29 minutes 31 seconds East 163.32 feet; thence Southeasterly 28.40 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of South 48 degrees 05 minutes 46 seconds East and a length of 28.32 feet; thence South 40 degrees 42 minutes 00 seconds East 128.13 feet; thence South 79 degrees 51 minutes 00 seconds East 34.16 feet; thence South 10 degrees 09 minutes 00 seconds West 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 (1993), as determined by G.P.S. observations made on November 19, 2009 using the National Geodetic Survey monument "Y 245". 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 30, 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 Jack P. Carter and Sue W. Carter on June 30, 1981 in Deed Book 53, page 780 in the office of the County Clerk of Monroe County, Kentucky.

Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on November 19, 2009 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:54,700 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

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

Date

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47301
(812) 257-0950
Email: landmar78@msurvey.com
Project No. 09-11-0102

Lease Boundary Survey
182 Tom Ford Road
Tompkinsville, Kentucky 42167

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

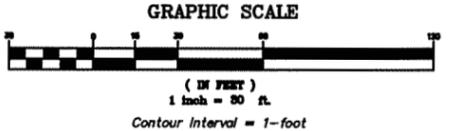
REVISIONS	DATE

DATE	11-30-09
DRAWN BY	A. Wheeler
CHECKED BY	D.L. Helms

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

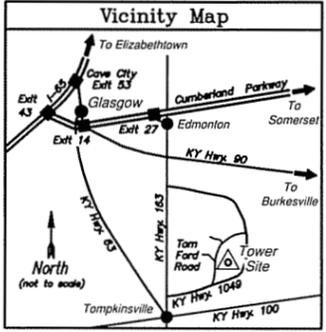
Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on November 19, 2009 using the National Geodetic Survey monument "Y 245" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993). This system is grid north.



Tower Location Information

Designation: Tompkinsville II
Site ID# None
Horizontal Datum: NAD 1983 (1993)
Latitude: 36°44'16.20" North
Longitude: 85°39'31.77" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,037.5 feet (316.23 m)
State Plane Coordinates
Northing: 1,787,702.57 feet (544,892.833 m)
Easting: 1,667,133.62 feet (508,143.344 m)



Directions to Site

From Elizabethtown, Kentucky: travel south on I-65 for about 48 miles to Exit 43 and the Cumberland Parkway; travel east on the Cumberland Parkway for about 14 miles to Exit 14 and Kentucky Highway 90 on the south side of Glasgow; turn right and travel southeasterly on Kentucky Highway 90 for about 15.5 miles to Kentucky Highway 163; turn right onto Kentucky Highway 163 and travel south for 11.5 miles to Kentucky Highway 1049 (Radio Station Road) at the Tompkinsville Inn on the north side of Tompkinsville; turn left onto Kentucky Highway 1049 and travel northeast for 1.7 miles to Tom Ford Road on the left; turn left onto Tom Ford Road and travel north for 0.4 miles to a gate and the tower access lane on the right; turn right onto the lane and travel southeast for 650 feet to the tower site on a hill in a pasture.

Landowner Information

Landowner: Sue W. Carter
Address: P.O. Box 455
Tompkinsville, Kentucky 42167
Contact Person: Sue W. Carter
Phone: 270-487-5674 Cell: 270-427-6353
PVA Map No. 62-48

Project Bench Mark

Northing: 1,787,703 feet (544,893 m)
Easting: 1,667,073 feet (508,125 m)
Elevation: 1,036.28 feet (315.859 m)
Description: A railroad spike set in the east side of an 18" red cedar, 12" above grade. The benchmark is approximately 61' west of the center of the tower.

Flood Plain Statement

According to the FEMA web site, this is an unmapped area. No flood information is available for this area of Monroe County, Kentucky; however, a visual inspection of the site would indicate that it does not lie within a flood prone area.

Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of 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 the utilities prior to construction.
- The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Mr. Wilbur Graves, County Judge Executive of Monroe 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) 487-5505 for confirmation.
- The proposed location of the Tompkinsville II cell site will be located outside of an incorporated city.

Proposed Self-Support Tower

Lat. = 36°44'16.20" North (NAD 1983)
Lon. = 85°39'31.77" West (NAD 1983)
Ground Elev. = 1,037.5 feet or 316.23 m (NAVD 1988)

Project Benchmark
Elev. = 1,036.28 ft.

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

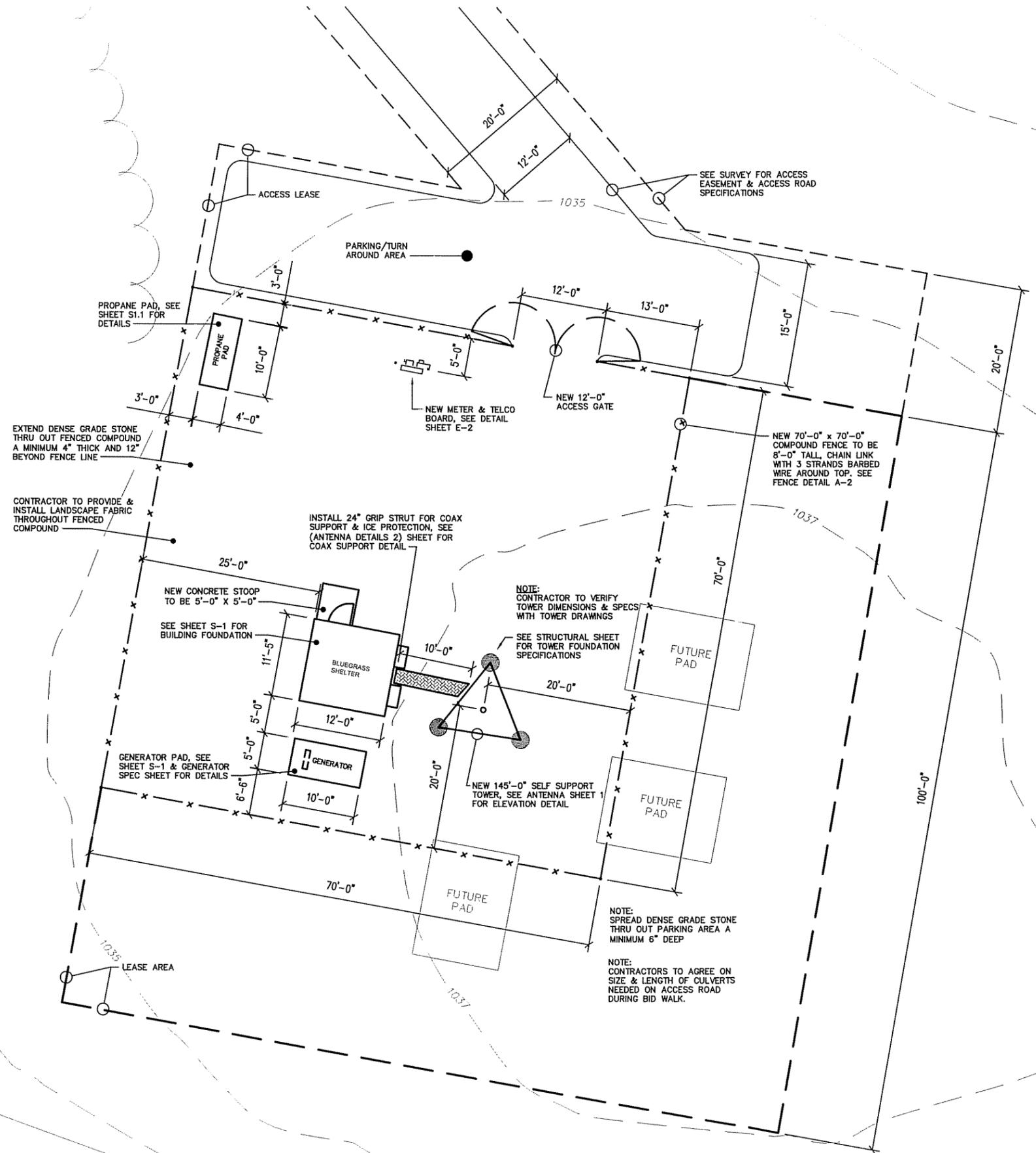
Sue W. Carter
Deed Book 53, Page 780

P.O.B. of Easement

P.O.B. of Lease Tract

P.O.C. of Lease Tract

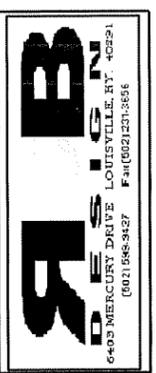
A 5/8" rebar set flush in the remains of a corner post set in concrete. Said rebar being a corner in the eastern boundary of the tract described in deed to Jack P. Carter and Sue W. Carter on June 30, 1981 in Deed Book 53, page 780 in the office of the County Clerk of Monroe County, Kentucky, and lying South 20°54'15" West 717.65' from a 28" hickory at the northeast corner of said tract.



GENERAL NOTES:

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

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



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

DRAWN BY: R. BECKER	ISSUE DATE: 12-09-09	SCALE: LISTED
SHEET NUMBER		
A-1		

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.

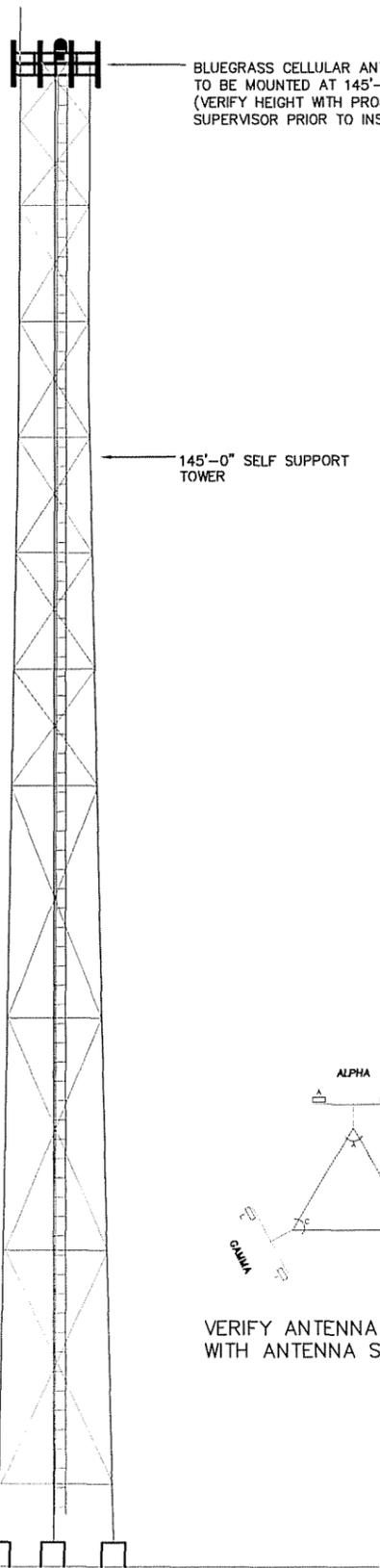
ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

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 145'-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

145'-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	0*, 120*, 240*	145'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

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

ANTENNA TRANSMISSION LINES SPECS

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

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1					
DISH #2					

DISH MOUNT SPECS

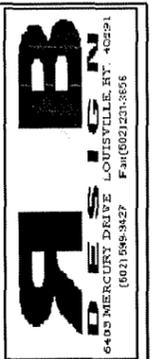
	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

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



REVISION

DATE

NO.

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

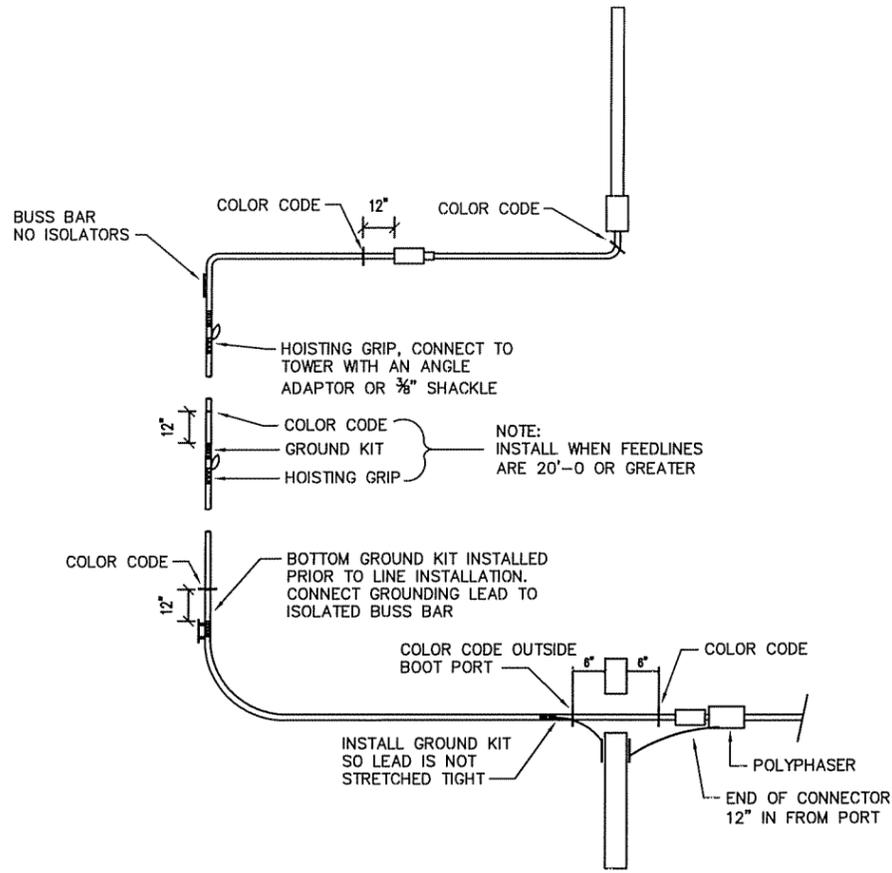
DRAWN BY: R. BECKER

ISSUE DATE: 12-09-09

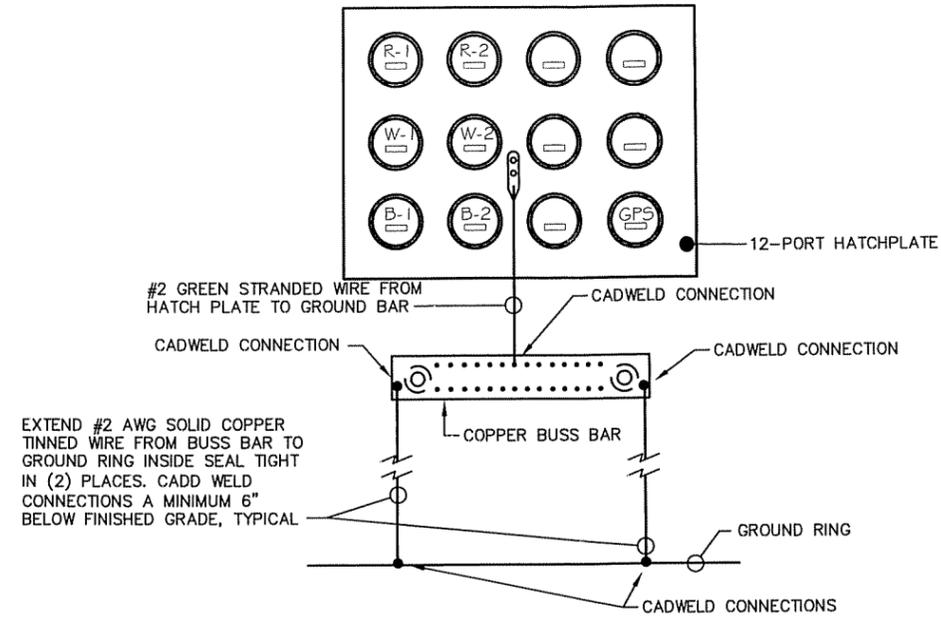
SCALE: LISTED

SHEET NUMBER

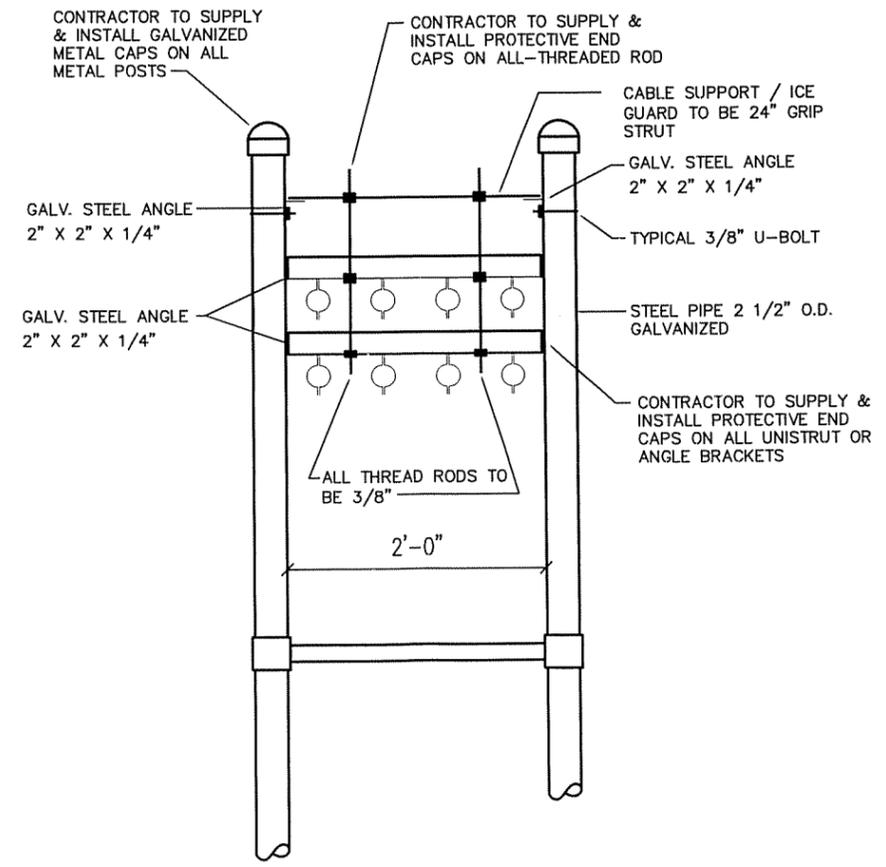
ANTENNA
DETAILS
1



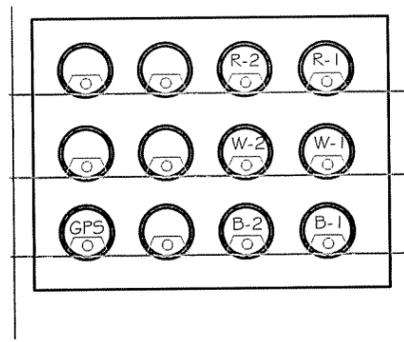
COLOR CODING DETAIL
NO SCALE



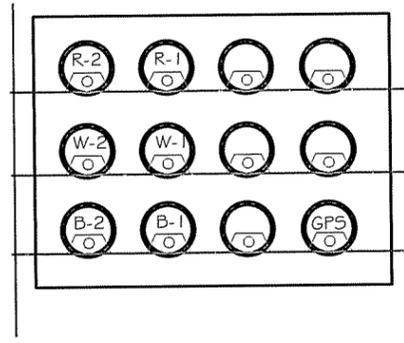
BOOT PORT GROUNDING DETAIL
NO SCALE



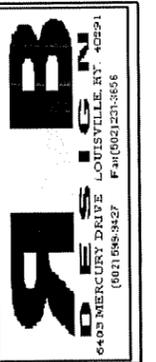
ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



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



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

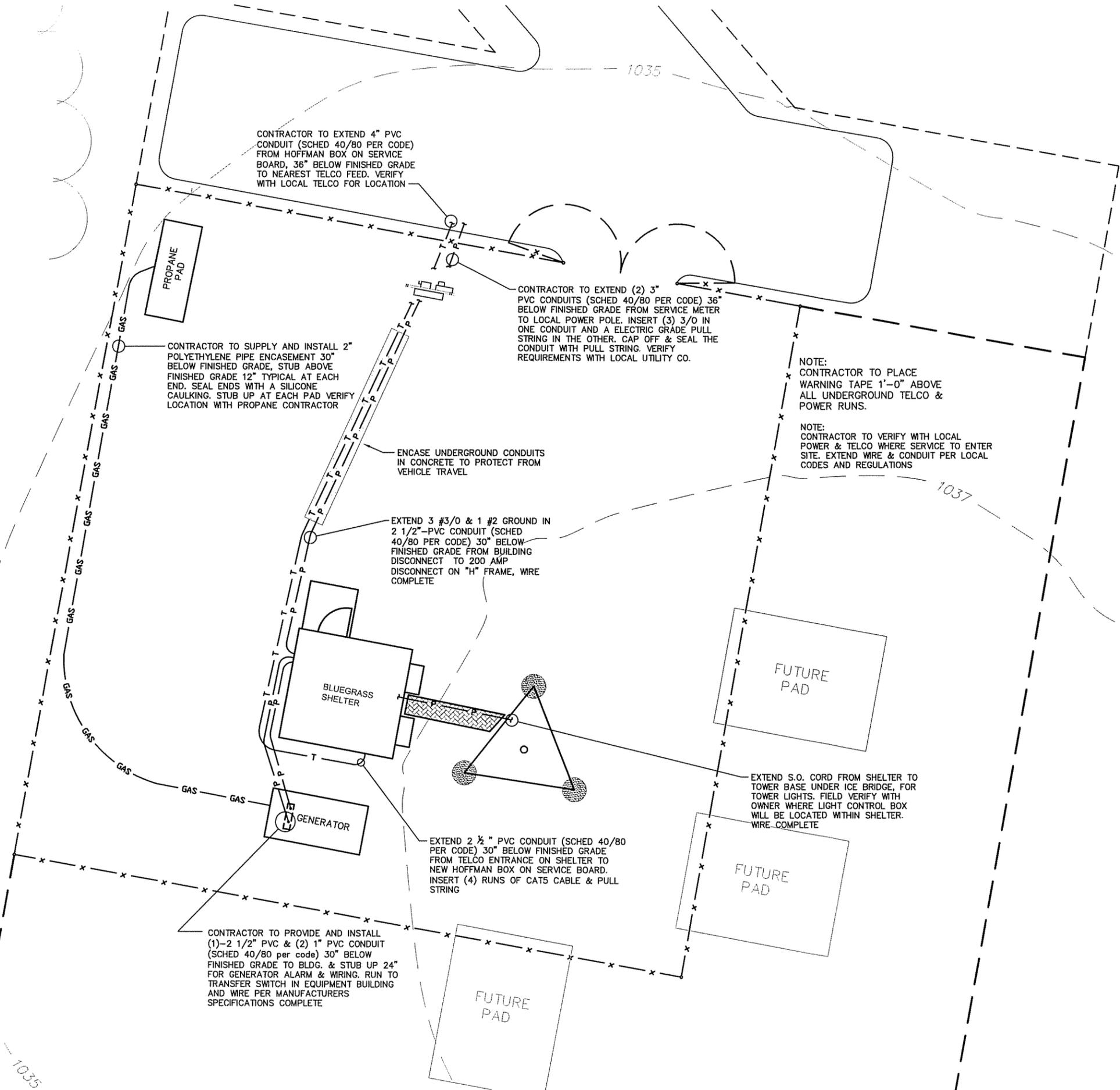


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

DRAWN BY: R. BECKER
ISSUE DATE: 12-09-09
SCALE: LISTED

SHEET NUMBER
ANTENNA DETAILS
2



GENERAL ELECTRICAL NOTES:

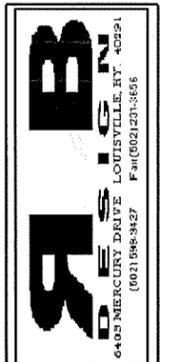
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 3) GROUND RING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

SYMBOLS LEGEND

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

SITE PLAN- ELECTRICAL

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

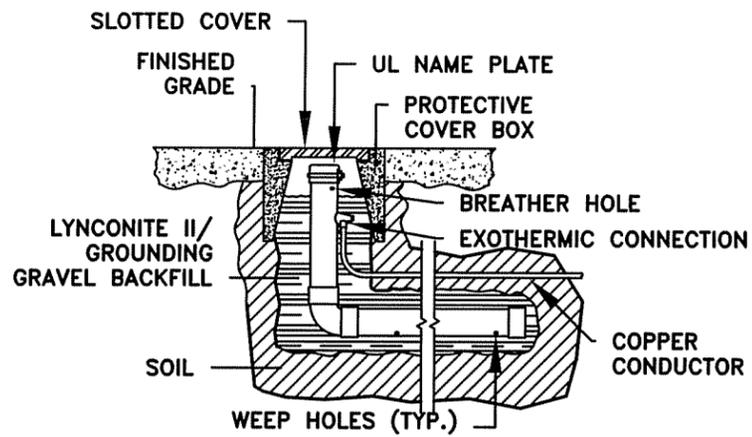


REVISION				
NO.	DATE			

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
 182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

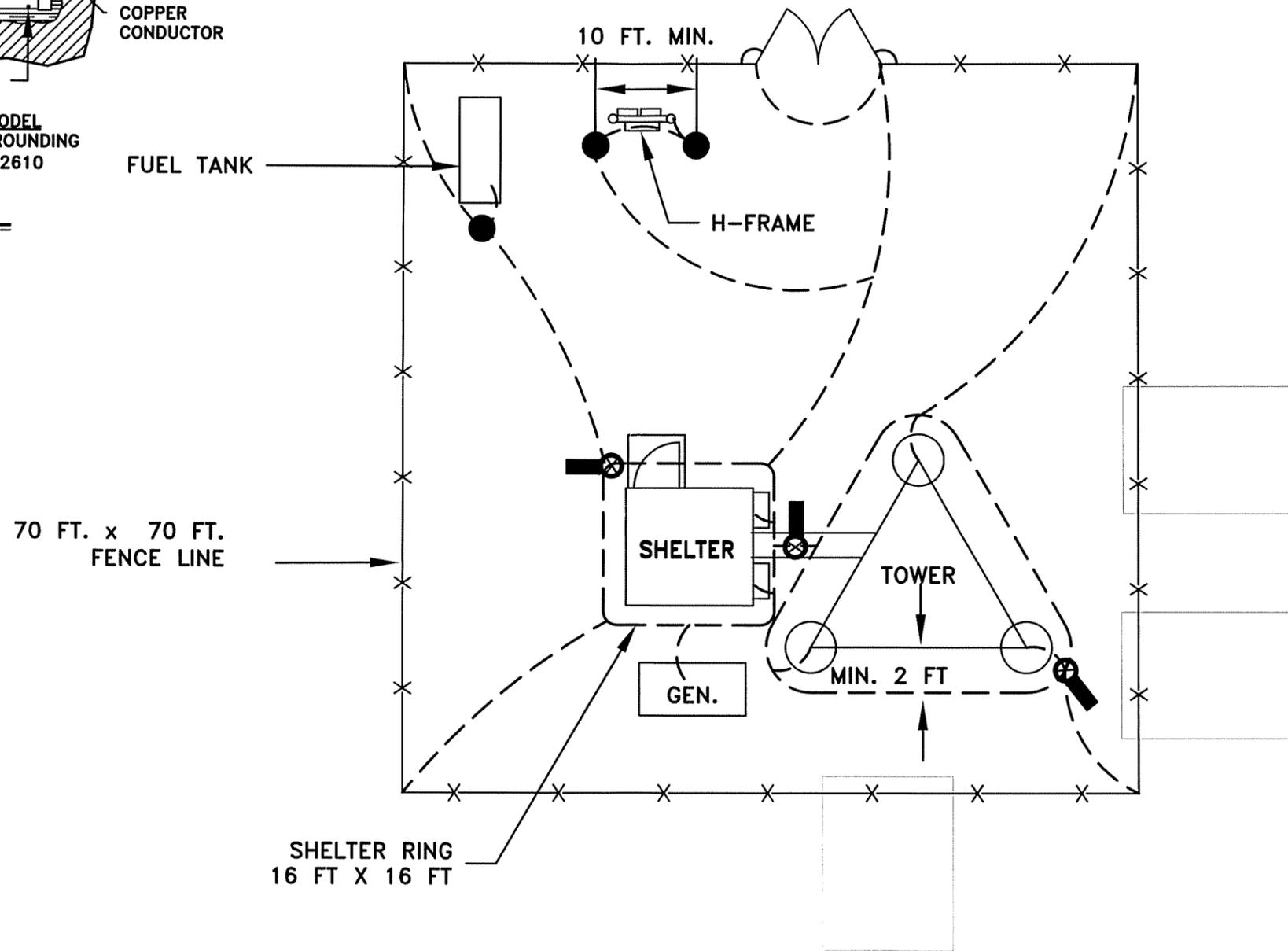
DRAWN BY:	R. BECKER
ISSUE DATE:	12-09-09
SCALE:	LISTED

SHEET NUMBER
E-1



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

DETAIL



NOTES:

- X — FENCE LINE
- - - - BARE #2 AWG TINNED SOLID COPPER CONDUCTOR
BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
ALL BENDS IN GROUND CONDUCTORS TO BE MADE
WITH 12 IN. RADIUS OR LARGER
- 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	TOMPKINSVILLE		
TITLE			
GROUNDING OPTION - REVISED			
LOCATION: CITY, STATE		CALCULATED RESISTANCE	
TOMPKINSVILLE, KY		< 16 OHMS	
DRAWN BY	APPROVED BY	DATE	
RFW		1/15/10	
SOIL DATA PROVIDED BY		REFERENCE NUMBER	SCALE
LOUISVILLE GEOTECH. SERV.		N/A	NONE
		LTS NUMBER	
			090213

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
 STANDARD CELLULAR SITE
 TOMPKINSVILLE II
 182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

DRAWN BY: R. BECKER
 ISSUE DATE: 12-09-09
 SCALE: LISTED

SHEET NUMBER
 E-3

GENERAL ELECTRICAL NOTES:

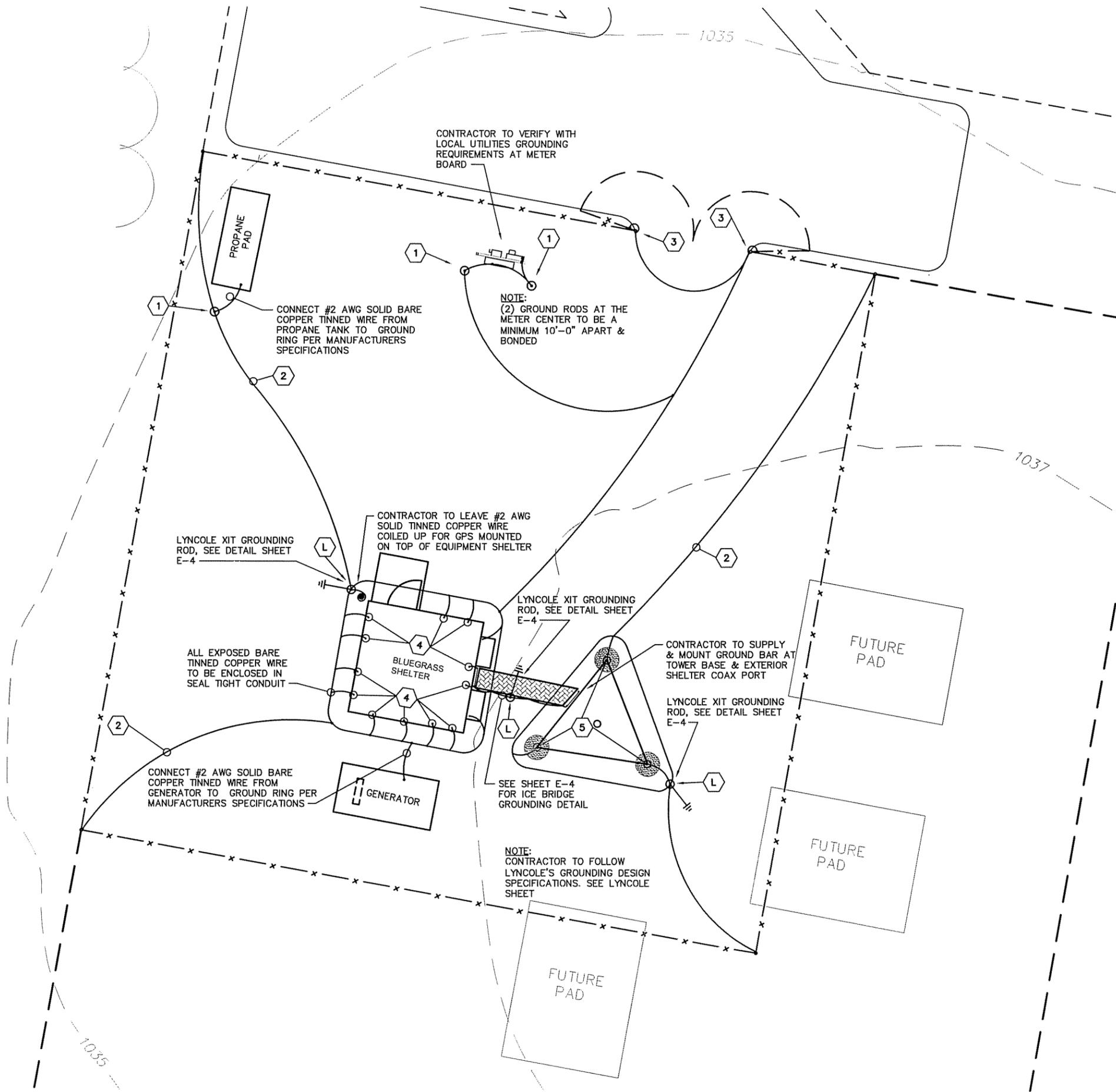
- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 3) GROUND RING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

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

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

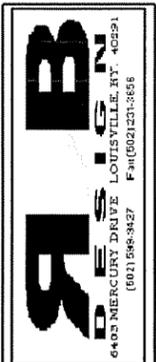
KEYNOTES:

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



SITE PLAN-GROUNDING

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

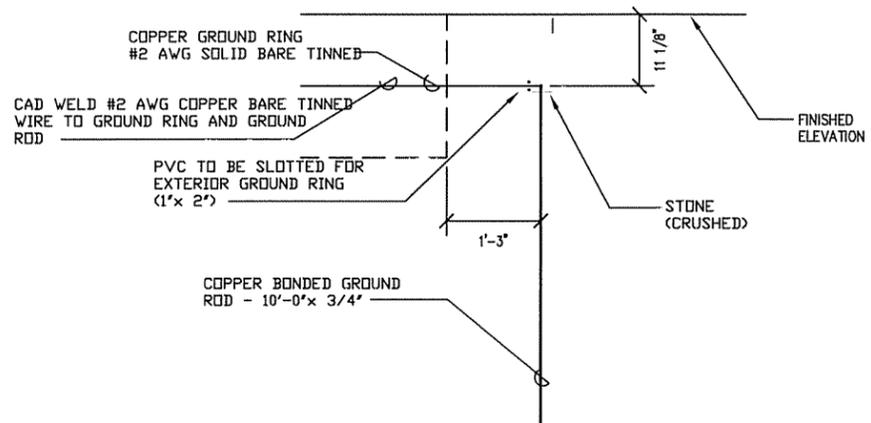


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

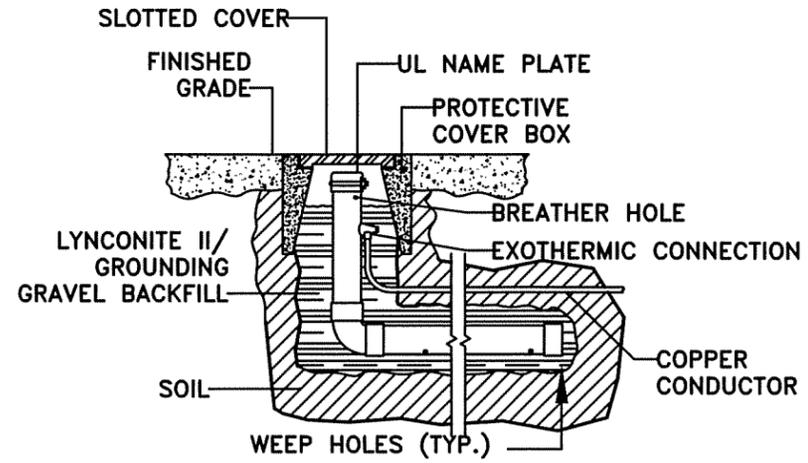
DRAWN BY: R. BECKER
ISSUE DATE: 12-09-09
SCALE: LISTED

SHEET NUMBER
E-4



GROUND ROD DETAIL

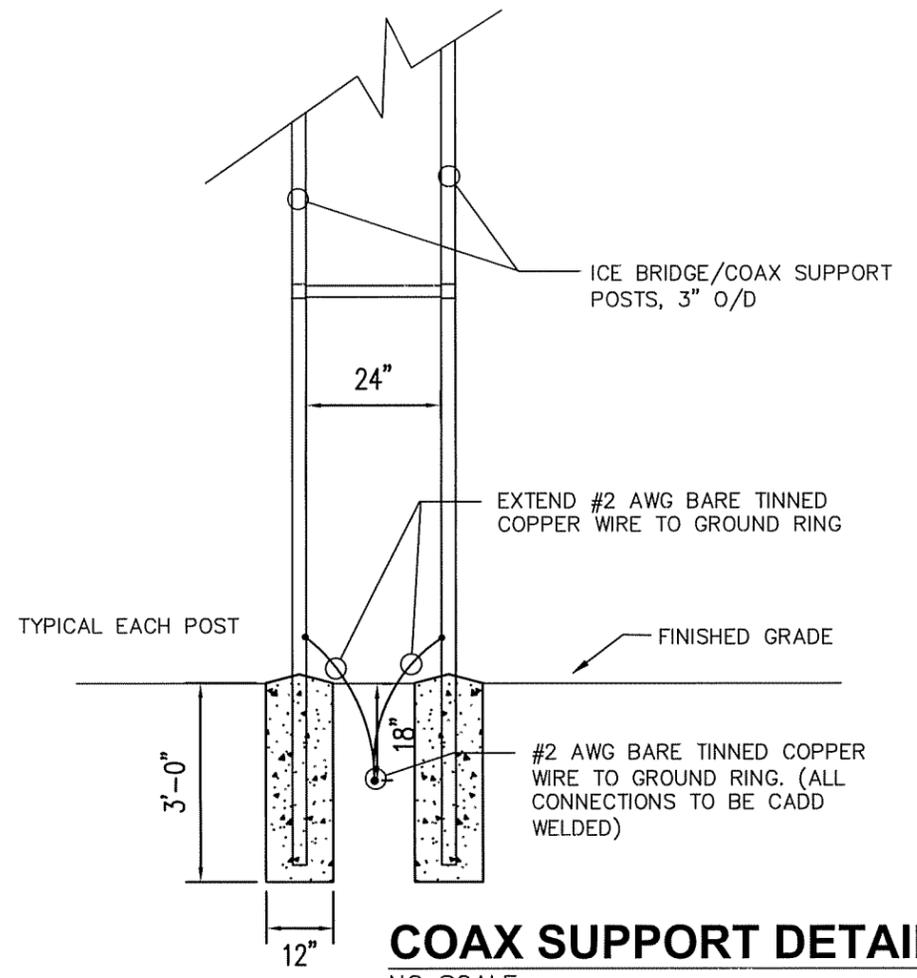
NO SCALE



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

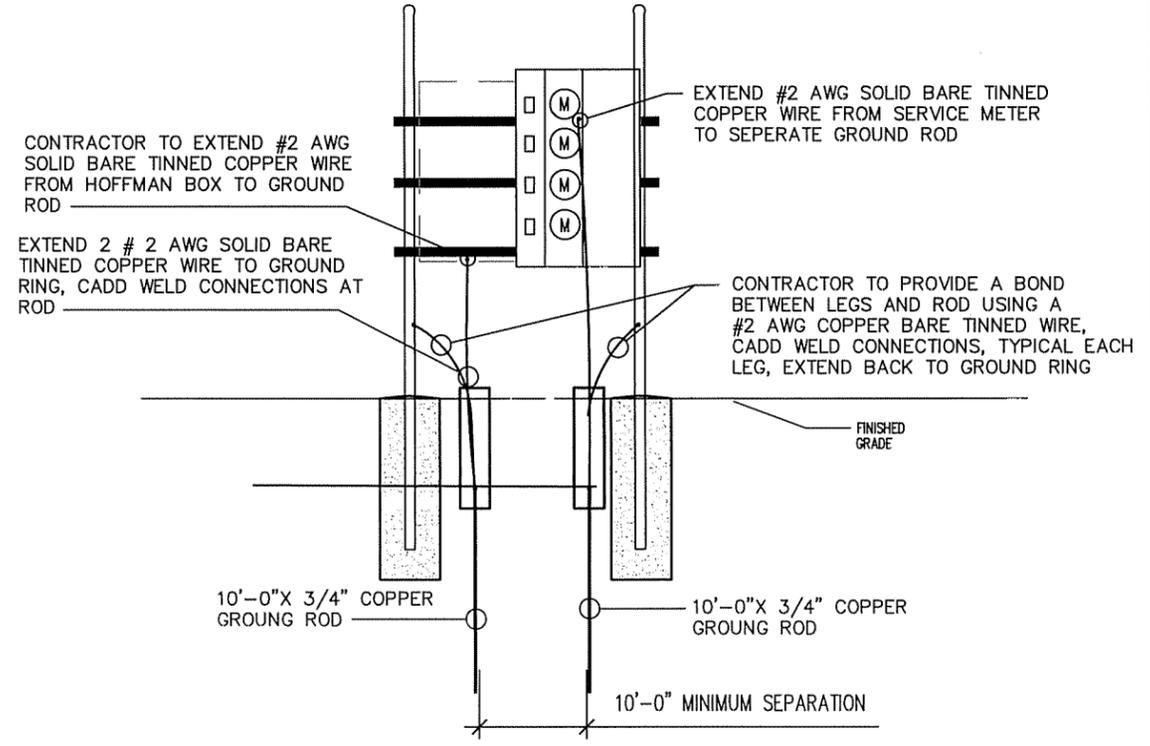
LYNCOLE XIT ROD DETAIL

NO SCALE



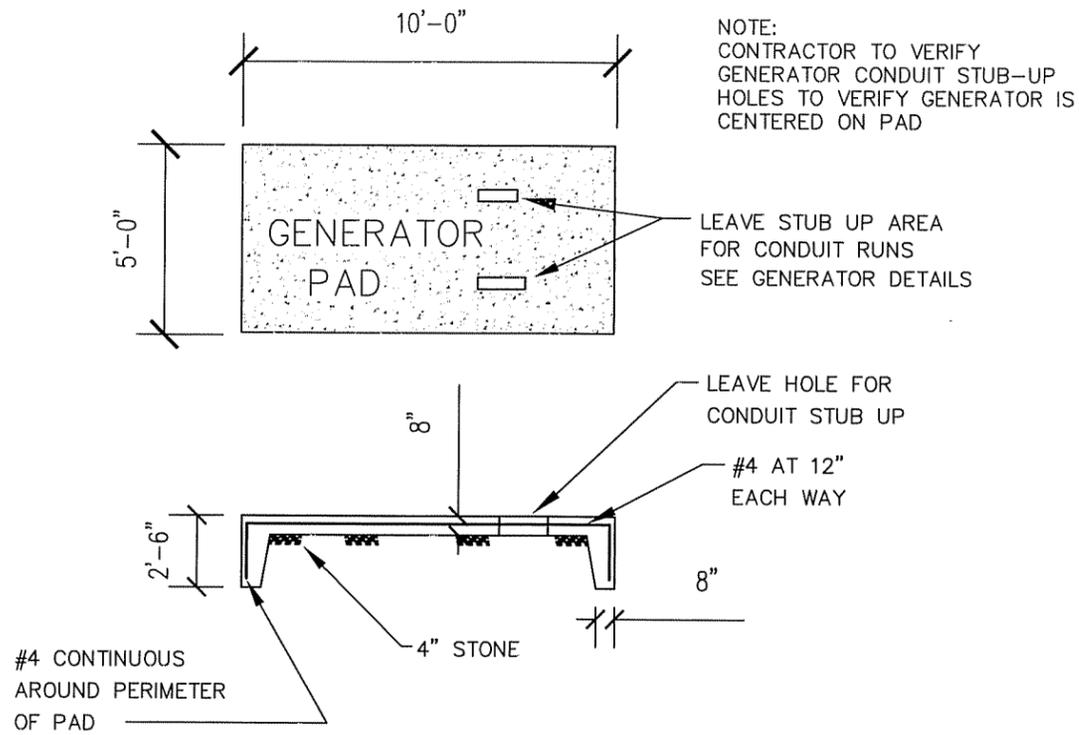
COAX SUPPORT DETAIL

NO SCALE

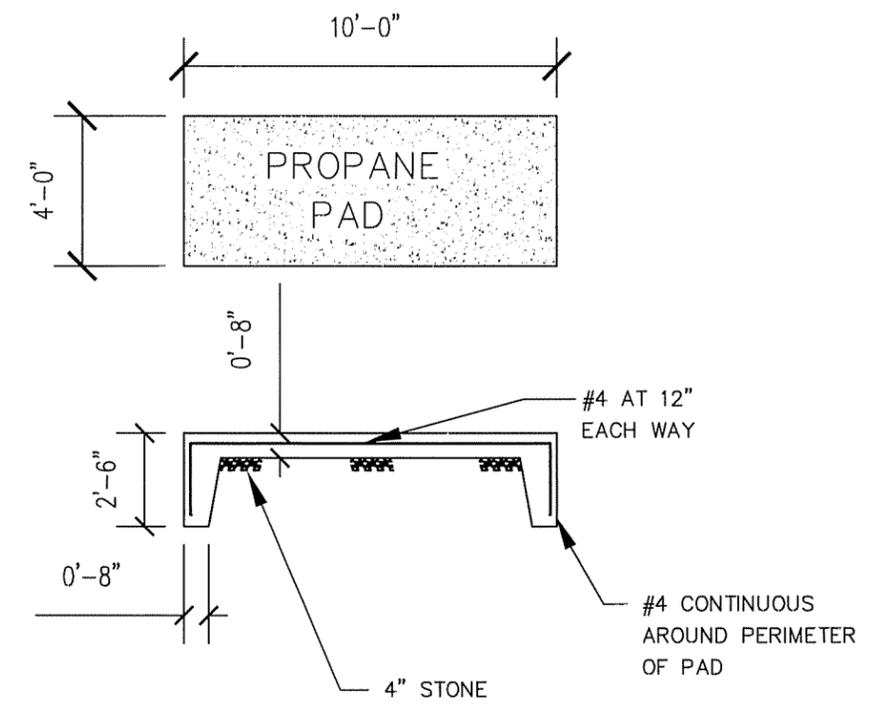


SERVICE BOARD DETAIL

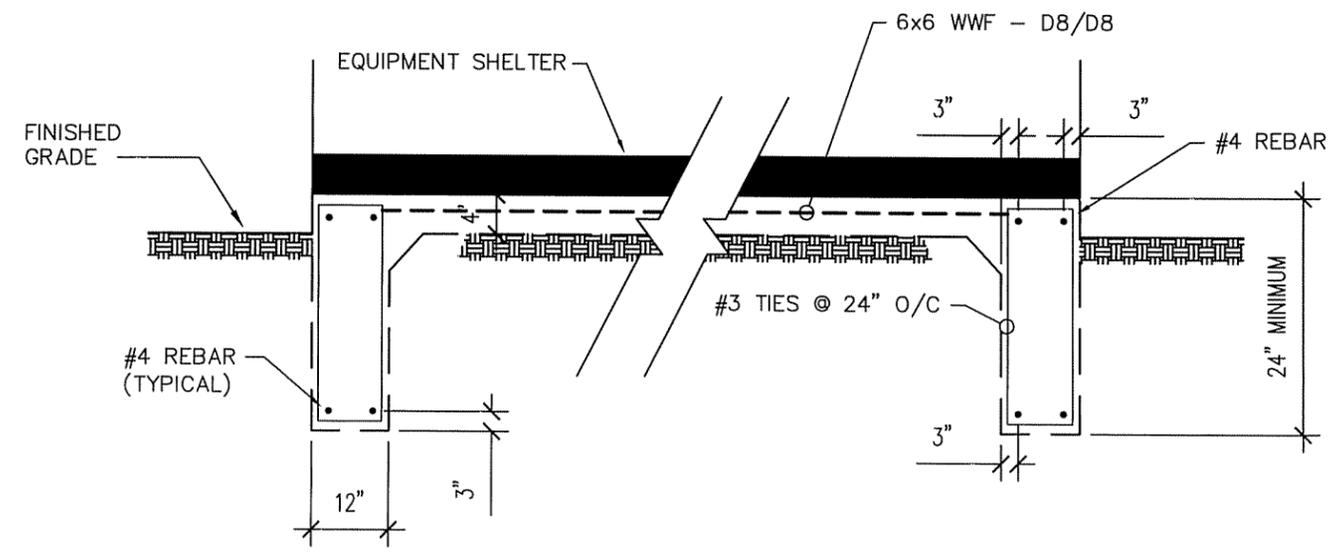
NO SCALE



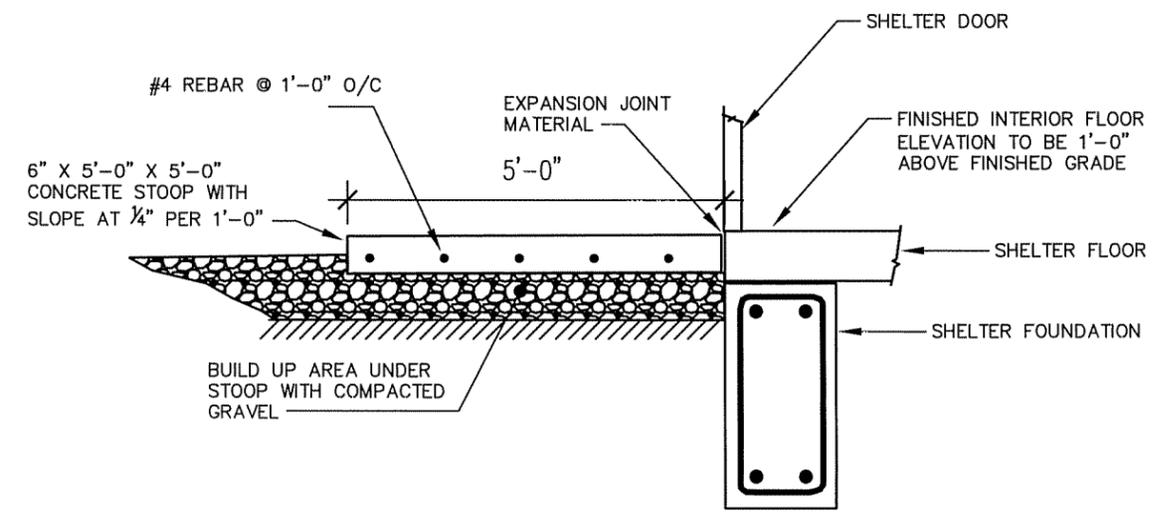
FOUNDATION DETAIL
NO SCALE



FOUNDATION DETAIL
NO SCALE



SHELTER FOUNDATION PLAN
NO SCALE



CONCRETE STOOP DETAIL
NO SCALE



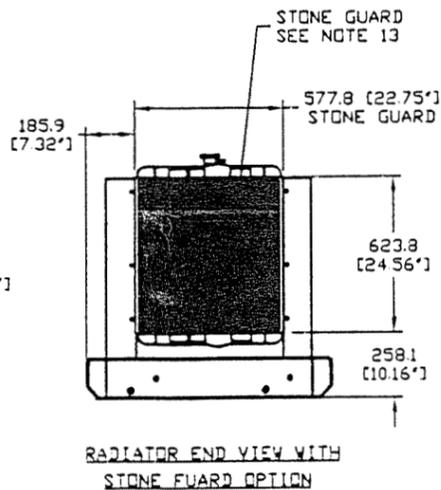
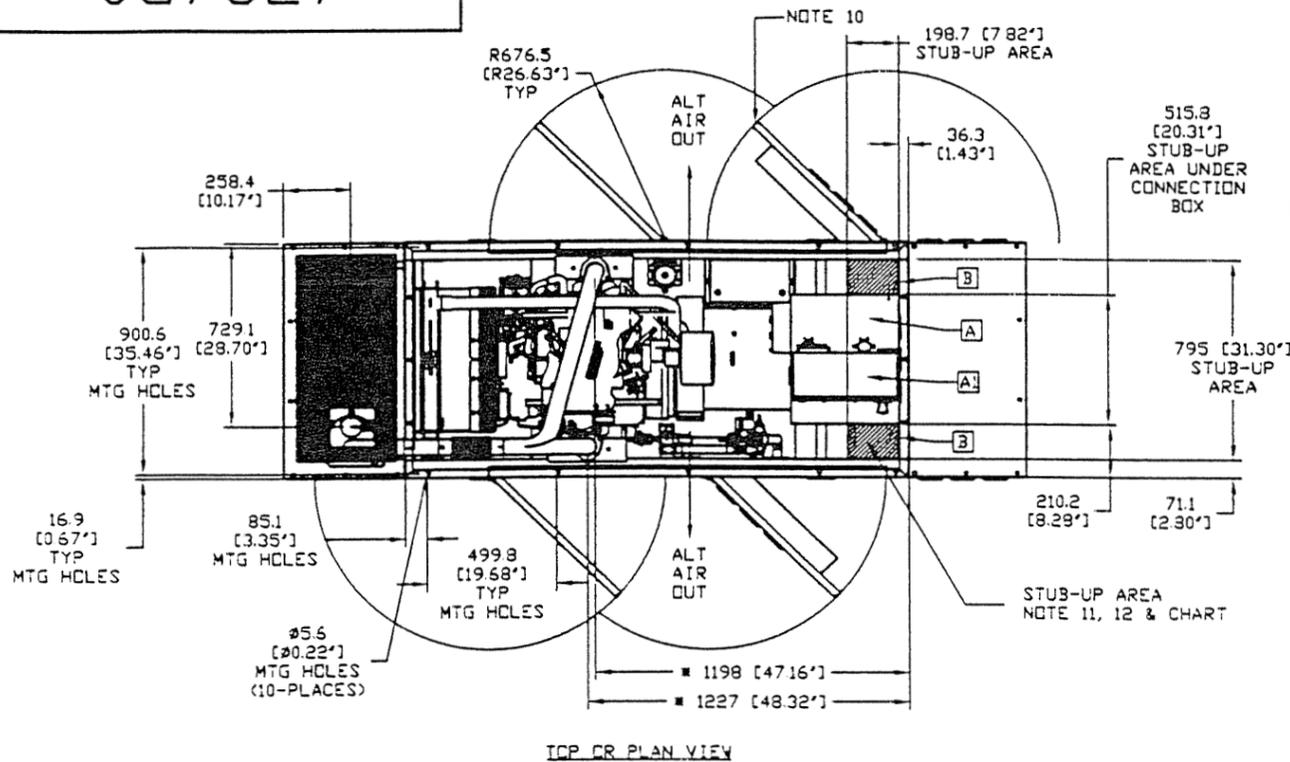
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

DRAWN BY: R. BECKER	ISSUE DATE: 12-09-09	SCALE: LISTED
------------------------	-------------------------	------------------

SHEET NUMBER
S-1

0G7627



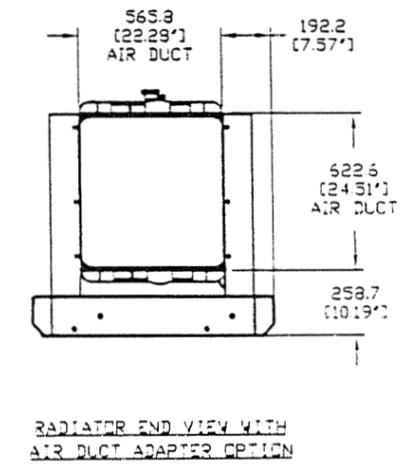
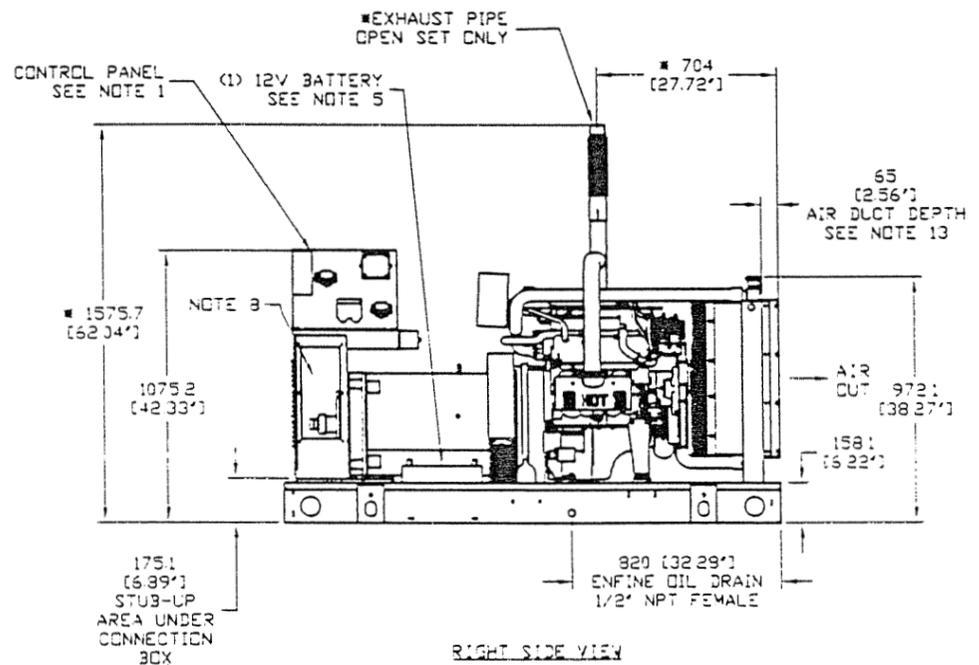
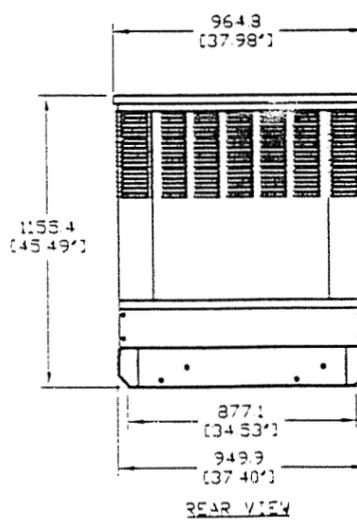
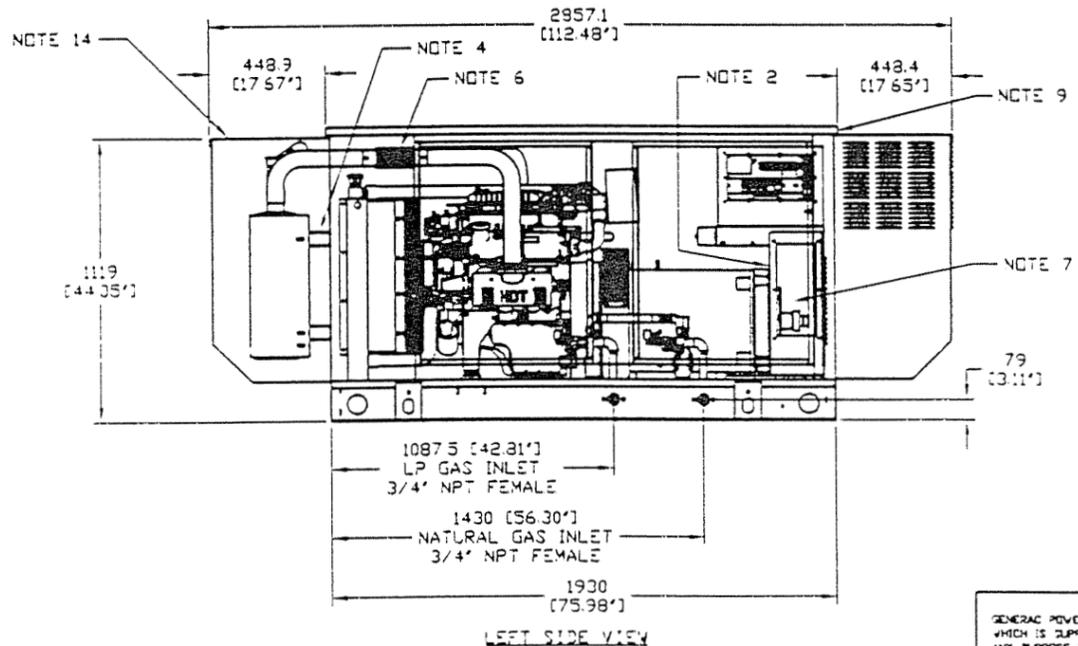
RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)

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

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

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

- ENGINE SERVICE CONNECTIONS
- INLET L/P GAS = 3/4" NPT COUPLING
INLET NATURAL GAS = 3/4" NPT COUPLING
OIL DRAIN = 1/2" NPT COUPLING
EXHAUST OUTLET - EXHAUST MANIFOLDS AS SHOWN ON OPEN SET, 3" OD MUFFLER OUTLET WITH ENCLOSURE
- NOTES:
- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
 - STANDARD 20A GFCI DUPLEX OUTLET - 120VAC REQUIRED.
 - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
 - EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL ENCLOSURE.
 - 12 VOLT NEGATIVE GROUND SYSTEM.
 - 2.5" I. D. FLEX EXHAUST, STANDARD WITH ENCLOSURE UNITS, OPTIONAL WITHOUT.
 - MAIN LINE CIRCUIT BREAKER (MLCB) AND AC LOAD LEAD CONNECTION.
 - REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
 - OPTIONAL ENCLOSURE.
 - DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED.
 - STUB-UPS:
STANDARD BASE TANK REQUIRES ALL STUB-UPS TO BE OUTSIDE OR IN THE REAR TANK STUB-UP AREA.
 - A OR A' IS THE STUB UP AREA UNDER THE MLCB, DEPENDING ON CIRCUIT BREAKER LOCATION. AREA B IS STUB UP AVAILABLE FOR UNITS WITH A BASE TANK.
 - STONE GUARD AND AIR DUCT ADAPTER STANDARD WITH OPEN SET ONLY.
 - SEE DRAWING OC3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
 - NOTE: DIMENSIONS TO THE CENTER OF EXHAUST FLANGE SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLIES TO OPEN SET ONLY.



APPLICABLE TO 4.5L G3 35, 40 & 45KW

GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS.
© 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 PO BOX 8 WAUKESHA, WIS. 53187	
FILE NAME	0G7627-A.DWG
SCALE	NTS
FIRST USE	4.2L G3
DWG NO.	0G7627
SIZE	A
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)

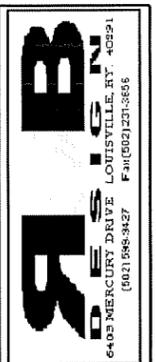
11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

"CALL BEFORE YOU DIG"

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

SYMBOLS LEGEND

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



NO.	DATE	REVISION

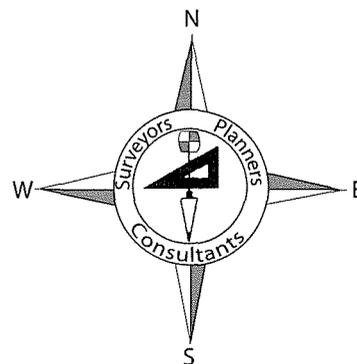
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
TOMPKINSVILLE II
 182 TOM FORD RD. TOMPKINSVILLE, KY. 42167

DRAWN BY: R. BECKER
 ISSUE DATE: 12-09-09
 SCALE: LISTED

SHEET NUMBER
General Notes

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 Monroe County, Kentucky

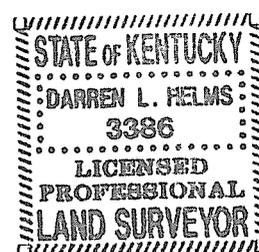
Bluegrass Cellular, Inc.
Tompkinsville II Site

From the Monroe County courthouse in downtown Tompkinsville, Kentucky: travel north on Kentucky Highway 163 (North Main Street) for 1.4 miles to Kentucky Highway 1049 (Radio Station Road) at the Tompkinsville Inn; turn right onto Kentucky Highway 1049 and travel northeast for 1.7 miles to Tom Ford Road on the left; turn left onto Tom Ford Road and travel north for 0.4 miles to a gate and the tower access lane on the right; turn right onto the lane and travel southeast for 650 feet to the tower site on a hill in a pasture. The address of the site is 182 Tom Ford Road, Tompkinsville, Kentucky 42167.

Darren L. Helms

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

NOVEMBER 30, 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 26 day of October, 2009, by and between Sue W. Carter, whose mailing address is P.O. Box 455, Tompkinsville, KY 42167 (the "Optionor (s)") and Cumberland Cellular Partnership, d/b/a Bluegrass Cellular, a Kentucky general partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in Monroe 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: Tompkinsville II

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 25 April 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.

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: Tompkinsville II

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **P.O. Box 455, Tompkinsville, KY 42167**; 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 Monroe 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: Tompkinsville II

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.

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: Tompkinsville II

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]

EXECUTION OF AGREEMENT(S)

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

Sue W. Carter

Date: 10/19/04

("Optionor(s)")

By: Sue W. Carter

Property Owner(s)

Ron Smith

Date: 10/26/04

("Optionee")

By: Ron Smith

Authorized Representative

STATE OF Kentucky
 COUNTY OF Monroe

The foregoing instrument was acknowledged before me this 19th day of October,
 2009, by Sue W. Carter to be his/her free act and deed.

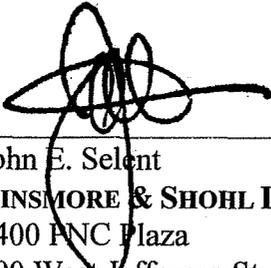
Blonda Lyon
 NOTARY PUBLIC STATE AT LARGE
 My commission expires: 1/15/2012

STATE OF KENTUCKY
 COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 26 day of October,
 2009, by **Ron Smith**, to be his free act and deed.

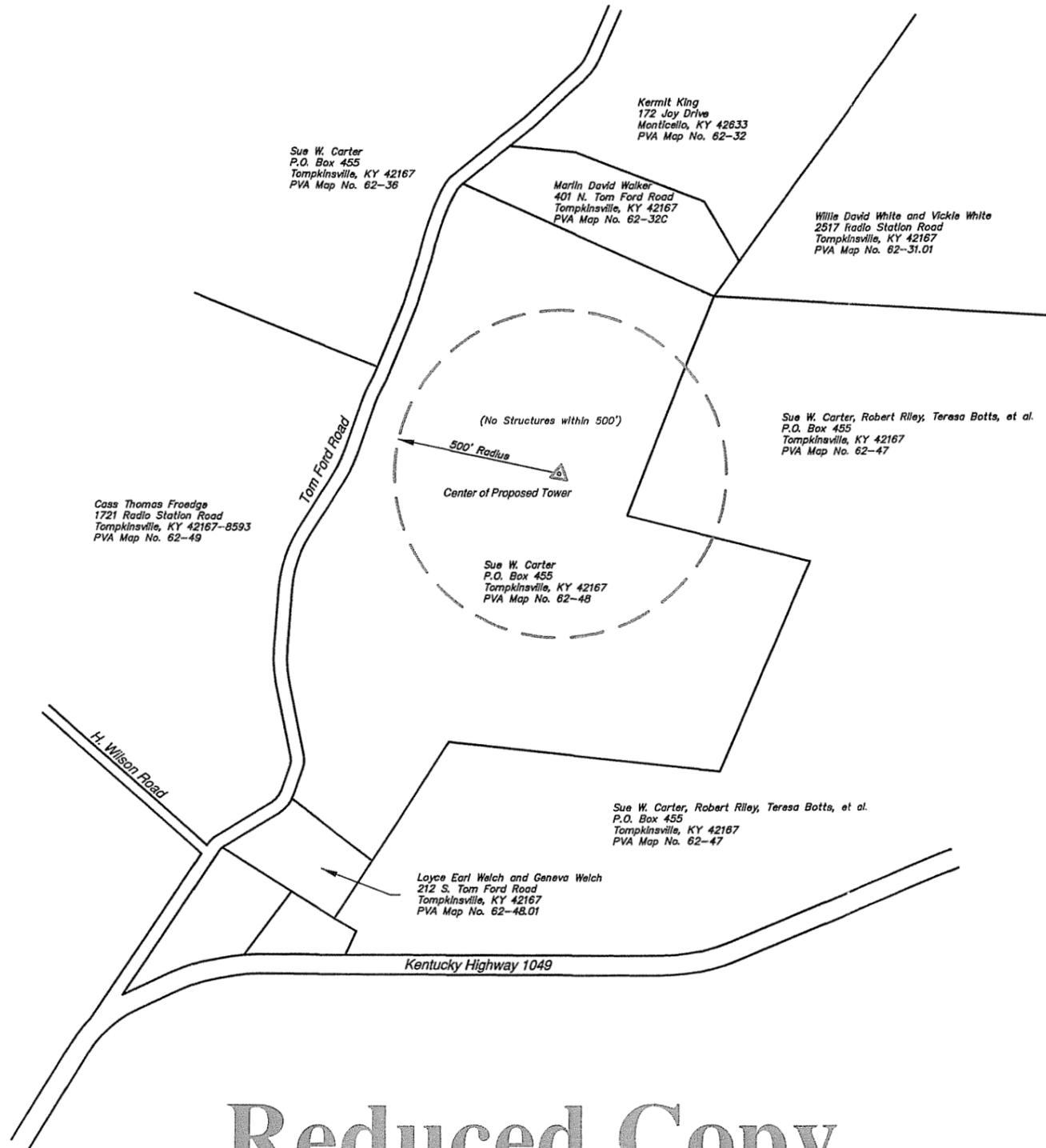
Jail L. Vici
 NOTARY PUBLIC STATE AT LARGE
 My commission expires: 1-21-13

This instrument prepared by:



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

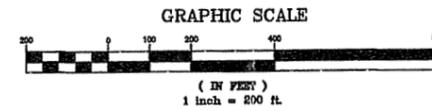
Site: Tompkinsville II
500-Foot Radius Map for Structures and Landowners
Monroe County, Kentucky



Reduced Copy



North



Note

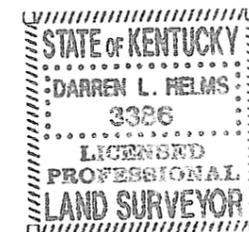
The location of the boundaries shown are approximate, and they are based upon the aerial photographs and information on file in the office of the Property Valuation Administrator of Monroe County, Kentucky.

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 Monroe County, Kentucky on November 19, 2009.

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

Nov. 30, 2009
 Date



Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47301
 (812) 257-0950
 Email: landmark@landmark.net
 Project No. 09-11-0112



500-Foot Radius Map

182 Tom Ford Road

Tompkinsville, Kentucky 42167

Bluegrass Cellular

2902 Ring Road
 Elizabethtown, Kentucky 42701

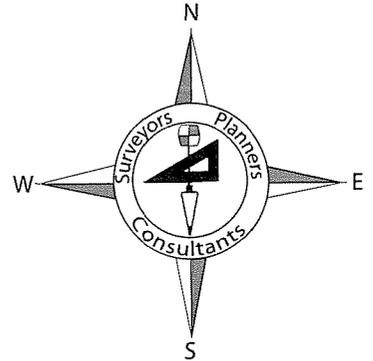
REVISIONS	DATE

DATE 11-30-09	DRAWN BY A. Winkler	CHECKED BY D.L. Helms
------------------	------------------------	--------------------------

SHEET NO.
1
OF 1 SHEETS
FILE NO.
tompkins-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.
Tompkinsville II Site
Monroe County, Kentucky

Sue W. Carter, Robert Riley and
Teresa Botts, et al.
P.O. Box 455
Tompkinsville, KY 42167

Marlin David Walker
401 N. Tom Ford Road
Tompkinsville, KY 42167

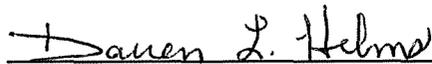
Loyce Earl Welch and Geneva Welch
212 S. Tom Ford Road
Tompkinsville, KY 42167

Willie David White and Vickie White
2517 Radio Station Road
Tompkinsville, KY 42167

Cass Thomas Froedge
1721 Radio Station Road
Tompkinsville, KY 42167

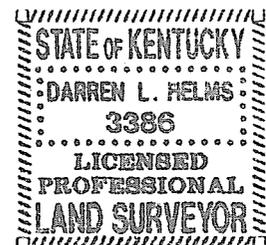
Sue W. Carter
P.O. Box 455
Tompkinsville, KY 42167

Kermit King
172 Joy Drive
Monticello, KY 42633



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

NOVEMBER 30, 2009
Date



December 21, 2009

Sue W. Carter, Robert Riley
and Teresa Botts, et al.
P.O. Box 455
Tompkinsville, Kentucky 42167

Public Notice

Cumberland Cellular Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 182 Tom Ford Road, Tompkinsville, Kentucky, 42167. A map showing the location is attached.

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

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

Please refer to case number 2009-00503 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"/> <i>Sue W. Carter</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Sue Carter, Robert Riley ↓ Teresa Botts, et al. P.O. Box 455 Tompkinsville, KY 42167</i>	B. Received by (Printed Name) <i>Sue W. Carter</i> C. Date of Delivery <i>12/23/09</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
	7009 0080 0000 4033 2372 Domestic Return Receipt 102595-02-M-1540

December 21, 2009

Loyce Earl Welch and Geneva Welch
212 South Tom Ford Road
Tompkinsville, Kentucky 42167

Public Notice

Cumberland Cellular Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 182 Tom Ford Road, Tompkinsville, Kentucky, 42167. A map showing the location is attached.

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

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

Please refer to case number 2009-00503 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>Loyce Welch</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>LOYCE WELCH</i> Date of Delivery <i>12/23/09</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to: <i>Loyce Welch & Geneva Welch 212 S. Tom Ford Road Tompkinsville, KY 42167</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>009 0080 0000 4033 2365</p>

December 21, 2009

Cass Thomas Froedge
1721 Radio Station Road
Tompkinsville, Kentucky 42167

Public Notice

Cumberland Cellular Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 182 Tom Ford Road, Tompkinsville, Kentucky, 42167. A map showing the location is attached.

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

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

Please refer to case number 2009-00503 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 checked="" type="checkbox"/> Addressee <i>Cass Thomas Froedge</i></p> <p>B. Received by (Printed Name) <input type="checkbox"/> Agent <i>Cass Thomas Froedge</i></p> <p>C. Date of Delivery <input type="checkbox"/> Agent <i>12/23/09</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>Cass Thomas Froedge 1721 Radio Station Rd. Tompkinsville, KY 42167</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label)	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
PS Form 3811, February 2004	7009 0080 0000 4033 2358 Domestic Return Receipt 102595-02-M-1540

December 21, 2009

Kermit King
172 Joy Drive
Monticello, Kentucky 42633

Public Notice

Cumberland Cellular Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 182 Tom Ford Road, Tompkinsville, Kentucky, 42167. A map showing the location is attached.

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

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

Please refer to case number 2009-00503 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>Kermit King</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>KERMIT KING</i> C. Date of Delivery <i>12-24-09</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>Kermit King 172 Joy Drive Monticello, KY 42633</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 checked="" type="checkbox"/> C.O.D. <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
2. Article Number (Transfer from service label)	<i>7009 0080 0000 4033 2341</i>

December 21, 2009

Marlin David Walker
401 North Tom Ford Road
Tompkinsville, Kentucky 42167

Public Notice

Cumberland Cellular Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 182 Tom Ford Road, Tompkinsville, Kentucky, 42167. A map showing the location is attached.

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

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

Please refer to case number 2009-00503 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</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Marlin David Walker 401 N. Tom Ford Road Tompkinsville, KY 42167</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7009 0080 0000 4033 2334</p>



Dinsmore & Shohl LLP
ATTORNEYS

Kerry W. Ingle
502-540-2354
kerry.ingle@dinslaw.com

December 18, 2009

Via Certified Mail

Honorable Wilbur Graves
Monroe County Judge Executive
200 N. Main Street, Suite C
P.O. Box 305
Tompkinsville, KY 42167-0305

RE: Application of Cumberland Cellular Partnership d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a cellular tower to be located at 182 Tom Ford Road, Tompkinsville, Monroe County, Kentucky, 42167, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2009-00503

Dear Judge Graves:

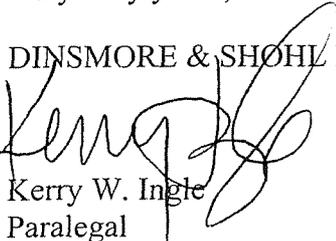
Cumberland Cellular Partnership ("Cumberland Cellular") is a Kentucky General Partnership that markets its services as Bluegrass Cellular. Cumberland Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the Commission) for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular telecommunications service in rural service area (RSA) #5 in Monroe County. The facility will include a 240 ft. tower and an equipment shelter to be located at 182 Tom Ford Road, Tompkinsville, Kentucky, 42167. 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 2009-00503 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP


Kerry W. Ingle
Paralegal

Enclosure

1400 PNC Plaza, 500 West Jefferson Street, Louisville, KY 40202
502.540.2300 502.585.2207 fax www.dinslaw.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"/> <i>Sheryl Conkin</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Hon. Wilbur Graves Monroe County Judge Executive 200 N. Main St., Suite C P.O. Box 305 Tompkinsville, KY 42167-0305	B. Received by (Printed Name) <i>Sheryl Conkin</i>	C. Date of Delivery <i>12/29/09</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
	7009 0080 0000 4033 2303	

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

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

Cumberland Cellular
Partnership
P.O. Box 5012
2902 King Road
Hickoryville, NY 14201

Executive Director
The Public Service Commission
311 Dover Boulevard
P.O. Box 918
Frankfort, NY 14202

Please refer to P.S.C.
Case #2009-00503
in your correspondence.



PUBLIC NOTICE

Government Property - Off Limits
Unauthorized Access Prohibited
Penalties for Violation

TOWER

Unauthorized Access Prohibited
Penalties for Violation

For more information, contact:
FBI - [illegible]
[illegible]
[illegible]

Please refer to F.B.I.
Case # 2009-00503
in your correspondence

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

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

Cumberland Cellular
Partnership
P. O. Box 5013
39071 Hwy 802
Cockeysville, NY 42701

Executive Director for
The Public Service Commission
2113 Jervis Boulevard
P. O. Box 876
Trenton, NJ 40007

Please refer to P.S.C.
Case #2009-00503
in your correspondence.

PUBLIC NOTICE
Construction of a
tower is planned at this
location.

TOWER

For more information, please contact:
Tower Site
12345
67890

Please refer to # 123
Call 1-800-000-0000
At your convenience

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

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

Cumberland Cellular
Partnership
P.O. Box 5072
2502 Ring Road
Cumberland, NY 14724

Executive Director
The Public Service Commission
211 Sower Boulevard
P.O. Box 015
Franklin, NY 14052

Please refer to P.S.C.
Case #2009-00503
in your correspondence.

AFFIDAVIT OF PUBLICATION OF
NOTICE OF CUMBERLAND CELLULAR PARTNERSHIP

I, Ronda Elam, hereby certify that I am the Editor of the Tompkinsville News, and that said newspaper is the newspaper having the largest bona fide circulation which is published in the City of Tompkinsville, Monroe County, Kentucky, and that said newspaper is meeting the requirements of Sections 424.110 and 424.120 of the Kentucky Revised Statutes for official publications required to be made by the Cumberland Cellular Partnership.

I certify that the attached copy of a CUMBERLAND CELLULAR PARTNERSHIP APPLIES TO THE PUBLIC SERVICE COMMISSION OF KENTUCKY FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO OPERATE NEW FACILITY is a true copy of said Notice as published in said newspaper on DECEMBER 24, 2009 and JANUARY 7, 2010.

IN TESTIMONY WHEREOF, witness my signature this 13 of January, 2010.

TOMPKINSVILLE NEWS

By: Ronda Elam

Subscribed and sworn to before me on this 13th day of November, 2009.

My commission expires: 11-19-2011

Lediana Creech
NOTARY PUBLIC

**TAB Q-7-1
PUBLIC NOTICE
12-17-2009**

**MONROE COUNTY EMERGENCY
PLANNING COMMITTEE**

Pursuant to Section 324, Title III of the 1986 Federal Superfund Amendments and Reauthorization Act (SARA) of 1986 (PL 99-499), the following information is provided in compliance with the Community Right-to-Know requirements of the SARA Law, and the open meetings and open records provisions of Kentucky Revised Statutes. Members of the public may contact the Monroe County Emergency Planning Committee by writing Mr. Ricky L. Richardson Chairman of the Monroe County Emergency Planning Committee, 134 Castle Heights, Tompkinsville, Kentucky, or contact by phone at (270) 427-8062. The Monroe County Emergency Planning Committee conducts meetings at the Monroe County Ambulance Service, or at other locations, in accordance with the Kentucky Open Meetings Law. Members of the public may request to be notified of regular or special meetings as provided in KRS 61.820 and KRS 61.825. Records of the Planning Committee, including the county emergency response plan, material safety data sheets, and inventory forms, or any follow up emergency notices as may subsequently be issued, are open for inspection, and members of the public who wish to review these records may do so 8:00 AM to 4:00 PM, Monday thru Friday at the Monroe County Emergency Management Office as required by the Kentucky Open Records Law. The local 24-hour telephone number for purposes of emergency notification, as required by SARA, is 270-487-8757.

**RICKY L. RICHARDSON
CHAIRMAN LEPC**

**NOTICE
CUMBERLAND CELLULAR
PARTNERSHIP**

Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #5 of the Commonwealth of Kentucky (Tompkinsville II Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 182 Tom Ford Road, Tompkinsville, Kentucky 42167. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2009-00503.

(010701)

*Merry Christmas
and Happy
New Year!*

**ADMINISTRATOR NOTICE
EDDITH BRANDON**

Notice is hereby given that by proper orders of the Monroe District Court on 12-15-09, that Rickie Brandon was appointed Administrator of the estate of Eddith Brandon, a minor, Case # 09-P-00107. All persons owing said estate are requested to make prompt settlement with the Administrator, and all persons having claims against the estate shall present same property to Rickie Brandon, 549 Sulton Rd., Red Boiling Springs, TN 37150, or to Nicholas A. Carter, P.O. Box 155, Tompkinsville, KY 42167, Attorney for the Estate.

Joyce Emberton, Clerk
Monroe District Court
Probate Division

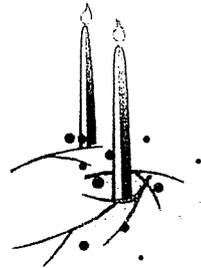
**ORDER TO DISPENSE
MARY ANN WATSON**

Notice is hereby given that by proper orders of the Monroe District Court on 12-08-09, that the estate of Mary Ann Watson, deceased, Case # 09-P-00105 was dispensed with. All persons owing said estate are requested to make prompt settlement and all persons having claims against the estate shall present same, property proven, to M.D. Watson, 246 Hillview Estates, Tompkinsville, KY 42167, or to Nicholas A. Carter, 110 W. Third St., Tompkinsville, KY 42167, Attorney for the Estate.

Joyce Emberton, Clerk
Monroe District Court
Probate Division

**CITY OF TOMPKINSVILLE
EXCESS GARBAGE PICKUP**

City of Tompkinsville Sanitation Customers may put out extra garbage the following 2 weeks after Christmas Dec. 28 - Jan.1 and Jan. 4-8 at no extra charge. Recycling would be a great New Year's Resolution and there's no better time than when you have extra trash to get in the habit of recycling. Try to recycle over half of everything you usually throw out such as Holiday paper, plastics, cans and boxes. This will not be heavy garbage pickup, only excess / additional garbage due to the Holidays. If you have any questions please call City Hall at 487-6776.



**Give to your favorite charity
this holiday season to help
those less fortunate - whether
it be Kosair, St. Jude, Ronald
McDonald House, or another
great charity - share your love
this season.**

IRIS BARTLEY

I would like to thank the people who visited at my 80th birthday celebration. Thanks to those who sent cards, gifts and called on the phone. Every deed was appreciated.

Thank you,
Iris Bartley

BRO. KEN HOLBROOK

A special thank you to the choir members of Gamaliel Baptist and Tompkinsville First Baptist Churches for bringing a blessing in song during the presentation of "Hope Has Hands." Your attitude of worship and willingness to share that attitude was a Christmas gift to all who heard or participated and most of bring praise to the King.

When you get to watch the young ones give the Christmas message, it brings a joyous sense of the meaning to the Christmas season. A big thank you to the adults who put the programs together.

Thank you,
Bro. Ken Holbrook

MAYME CRAWFORD

We, the family of Mayme Crawford, would like to extend special thanks to all who visited the funeral home, sent food, called or sent flowers or cards during all loss. A special thanks to the staff of Strode Funeral Home, John Osgatharp, pallbearers and the ladies at Tompkinsville Church of Christ.

The family of
Mayme Crawford

THE TOMPKINSVILLE News
Celebrating over 100 years of service to Monroe County

for this year will be the Dec. 24 edition

**Our office will close at
12 noon on
Thursday,
Dec. 24**

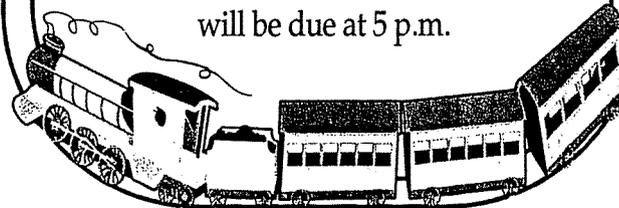


**and will re-open
on Monday,
Jan. 4, at
8 a.m.**



**Classified
Deadlines**

**Classified deadlines for the Jan. 7, 2010
edition will be Monday, Jan. 4, at 10 a.m.,
all other ads, articles, etc.
will be due at 5 p.m.**



CARDS OF THANKS

GLEN COPAS

We would like to thank our many friends, neighbors and relatives for flowers, cards, food and especially your prayers during the last days and death of our dear daddy, Glen Copas. A special thanks to Dr. Michael Carter and nurses at the Monroe County Medical Center for the kindness they showed us. Also thanks goes out to the staff of Strode Funeral Home, Bro. Tim Britt and Bro. Doug Copas for their comforting words. May God bless and watch over all.

Mary Lois Doolin
and family
Mary Z., Sue & Evie

DALE AND BETTY LOU RICH 2009 KOSAIR ANTIQUE TRACTOR AND ENGINE SHOW

We would like to take this opportunity to thank all our friends and family for making the 2009 Kosair Antique Tractor and Engine Show another success. We raised almost \$10,000 and with the last eight years, that makes a total of over \$71,000 raised for the children of Kosair Charities. We could never thank all the many volunteers that it takes to make this successful, but we are truly grateful for the donations and those who helped on that day and also the many ones who worked tirelessly behind the scene. A special thanks goes to our many friends in Metcalfe County who helped or participated in the tractor pull held there. Again, thanks from the bottom of our hearts and God bless each of you.

Dale and Betty Lou Rich

JEFF AND RITA GRIDER

We would like to express our sincere, heartfelt thanks to each and everyone for all you have done for us during Jeff's illness. A special thanks to our families for all the love and support you have given us; to our church families, our work families and to all our friends for all your prayers and everything else you have done. Most of all, we want to thank the good Lord. He has truly blessed us and we can never thank Him enough. We could not have gotten through this without HIM. God has heard and answered our prayers and gave us a miracle. When we look around, we see other families dealing with trials and tribulations in their lives, and our prayer is that those families in need also get a miracle. Just trust in the Lord and have faith. As long as there is breath - there is hope. It's all in God's hands and He is so amazing! He blesses us with so much and we take it for granted. May God bless each one with salvation, good health, peace and contentment. Please continue to pray for us and others in need. Let's remember each other in prayer.

Thanks again for everything.
Truly blessed,
Jeff & Rita Grider
Jeremy & Hannah Grider
Nick Grider & Ashley Smith

PAULINE AND BILL BEAN

We would like to thank everyone for the anniversary cards we received for our 50th anniversary. Each and every one held a fond memory.

Love and prayers,
Pauline and Bill Bean

IZELL "NANNIE" HALE

We would like to express our appreciation to everyone for the kindness shown to us during the death of our mom. The flowers, the food and the visits to the funeral home were greatly appreciated. Thanks to the Palace and Dr. Eakle for the care she was given. A special thank you to New Liberty Church for the meal they provided for us; to the staff at Strode's Garmel Chapel, Jeremy Yokley and Bengie Blackwell for their services. Thanks to everyone.

Teddy and Bettye Hale and family
Lena and James Blackwell
and family

IN MEMORY OF

IN LOVING MEMORY OF ROY T. "COTTON" BLYTHE

Loved and sadly missed at Christmas time.

Love you,
Royce, Joyce, Linda
Roger Blythe

IN LOVING MEMORY HESTER SOARDS



Hester Soards was born Jan. 9, 1910 and died in October of 1949. Daddy, I still you. Happy 100th birthday.

Helen Soards Isenberg

*The deadline for
advertising in the
Classifieds is*

LEGAL NOTICES

NOTICE CUMBERLAND CELLULAR PARTNERSHIP

Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #5 of the Commonwealth of Kentucky (Tompkinsville II Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 162 Tom Ford Road, Tompkinsville, Kentucky 42167. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2009-00503.

(010701)

LEGAL NOTICE COMMISSIONER'S SALE FRIDAY, JANUARY 22, 2010, at 11:00 A.M.

At The Courthouse Door, Monroe County Courthouse, Courthouse Square, Tompkinsville, Kentucky
Green Tree Servicing, LLC
Successor Servicer to Greenpoint Credit Corp. v. Clifton R. Tarry and Loretta J. Tarry, ALL IN REM
Monroe Circuit Court Civil Action No. 09-CI-00147

By Virtue of Judgment In The Case Set Forth Below:

I shall sell to the highest and best bidder at the time and place above, the following real estate in Monroe County, Kentucky, to wit:

Legal Description:

LOT # 11
Beginning at set 5/8" sucker rod with cap on the r/w of Emmanuel Lane (30' r/w), a corner to Jimmy & Emerald Borders (D.B. 83 Pg. 295); thence with line of Borders; S 21 deg. 54 min. 11 sec. E 217.03 ft. to set 5/8" sucker rod with cap (being S 27 deg. 37 min. 32 sec. W 71.84 ft. from an existing 5/8" sucker rod with cap at a corner fence post), another corner to Jimmy & Emerald Border (D.B. 83 Pg. 295 under contract to Joyce Buck, deed not recorded); thence with line of Borders; S 27 deg. 37 min. 32 sec. W 264.10 ft. to existing 5/8" sucker rod with cap at a corner fence post, a corner to Hatley Turner (D.B. 20 Pg. 133) and a corner to Jimmy & Emerald Borders (D.B. 83 Pg. 295); thence with lines of Borders; N 2 deg. 16 min. 24 sec. W 139.24 ft. to set 5/8" sucker rod with cap; thence N 73 deg. 13 min. 18 sec. E 4.75 ft. to set 5/8" sucker rod with cap; thence N 19 deg. 55 min. 58 sec. W 210.04 ft. to set 5/8" sucker rod with cap on the r/w of Emmanuel Lane (30' r/w) and (being N 50 deg. 43 min. 55 sec. E 150.00 ft. from an existing 5/8" sucker rod with cap); thence with said r/w. N 49 deg. 30 min. 48 sec. E 150.00 ft. to the beginning, containing 40,000 square feet or 0.918 acres, more or less.

NOTE: THIS PROPERTY IS SUBJECT TO ANY EXISTING RIGHTS OF WAYS OR EXISTING EASEMENTS

See Exhibit A for restrictions

Being a portion of the same property conveyed to Jimmy Borders and wife, Emerald Borders, from Maurice Bernier and wife, Irene Bernier, by Deed dated April 24, 1997, of record in Deed Book 83, Page 295, of record in the office of the Clerk of Monroe County, Kentucky.

ALSO INCLUDED: 1998 Fleetwood, 16x80 mobile home, Model 6763S.

NOTE: No warranty of any kind is made regarding the accuracy of the description or physical condition of the improvements on the property.

Also known as: Emmanuel Road, Tompkinsville, KY 42167

For the purchase price, purchaser may pay cash or on a credit of thirty (30) days, together with bonds (for the remainder of the purchase price) with good and sufficient surety, bearing interest at the rate of twelve percent (12%) from the day of the sale and payable to the Master Commissioner within 30 days of the date of the sale.

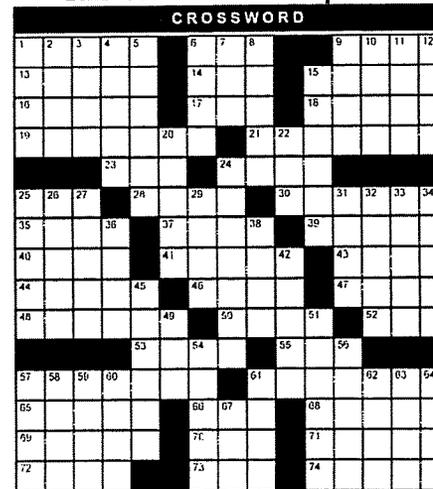
The property shall be sold with the improvements thereon, "as is". Bidders shall be prepared to promptly comply with the terms of sale; buyer shall pay property taxes due for years 2010 and following years.

The judgment authorizing the sale is a Judgment and Order of Sale in Monroe Circuit Court Civil Action No. 09-CI-00147, styled Green Tree Servicing, LLC Successor Servicer to Greenpoint Credit Corp. vs. Clifton R. Tarry, and Loretta J. Tarry, IN REM ONLY, to recover the amount of \$45,214.90, as of November 2, 2009, with interest pursuant to the contract, plus all secured finance charges, reasonable attorney's fee of \$750.00 and its costs herein expended.

Inquire of the Master Commissioner.

Reed N. Moore, Jr.
Master Commissioner
Monroe Circuit Court
109 Second Street, P.O. Box 235
Tompkinsville, KY 42167-0235
Phone (270) 487-6262
Fax (270) 487-8000

This week's Crossword puzzle



THEME: GETTING FIT

ACROSS

- Ancient commemorative stone slab
- Paolo, Brazil
- Black, yellow and chocolate dogs
- Like a well-defined muscle and flow
- Oil lamp dweller
- Given name of "The Raven" author
- Pressure unit
- Call forth
- Exercise session
- Fitness helper
- Bro's sibling
- Russian monarch
- At the stern
- Holier than who?
- Squeezed into a tight place
- What overweight folks do to get into plane seat?
- Abounding with clms
- "Dear ..."
- Taxonomic group
- Bebop's former name
- Zeal
- Opposite of alpha
- Great Soviet gymnast Korbut
- Famous British art institute
- Protest and withstand
- "Getting fit is rarely this
- Distress call
- The American Tribal Love-Rock Musical
- Little piggy
- Like cardio exercise
- Dumbbells, e.g.
- Russian pancake
- Out of shape exercisers put it on joints
- Oil or vinegar bottle
- Industrial center of Ruhr
- Prefix meaning "not"
- Gene or Grace, e.g.
- Known for his "Weekly Top 40"
- Came into possession
- Like old bread

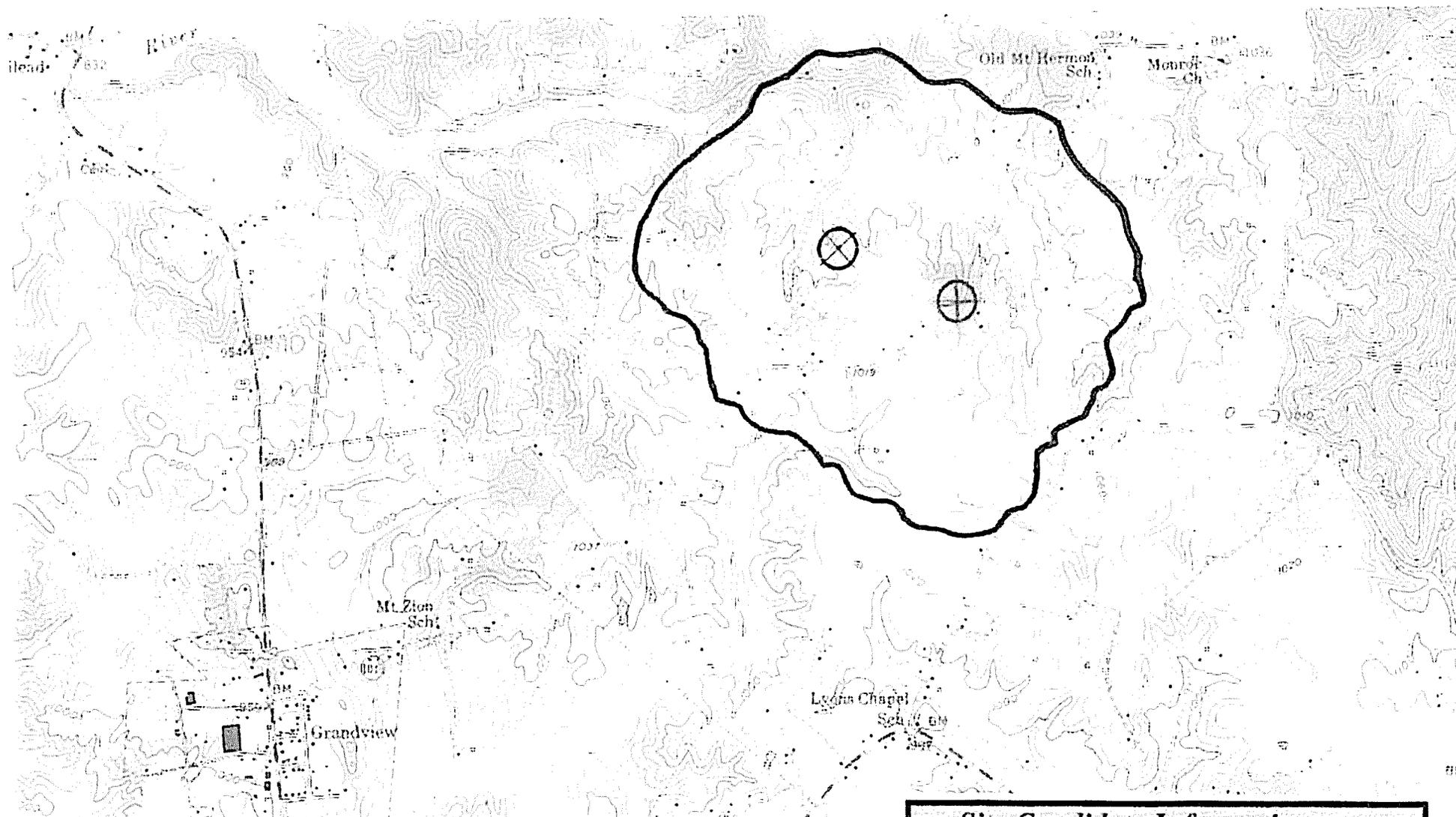
DOWN

- Fret
- Type of list
- Engineer, abbr.
- They're feared at CIA
- Quick and skillful
- Labor Day mo.
- Traverse and oblique muscles location
- Death notices
- Famous Holocaust survivor-author Primo
- "At another time" to Shakespeare
- Used when spinning
- Nostradamus, e.g.
- "... up"
- Wedding greeter
- Not cooked
- One who does floor gymnastics
- Wish him to "break a leg"
- Picture holder
- Subject of Boston Tea Party
- Margarine
- One way to lose weight
- Black tie affairs, e.g.
- Muse of love poetry
- Force units
- Jesus' first guests
- Hindu-based workout
- Cut and ... on a computer
- Garbage can
- Mai ...
- Cry of encouragement to fox-hounds
- Frosting
- White heron
- In bed
- Additional
- "... and shine!"
- Dollar bills
- Departed
- Hawaiian dance that gets hips moving
- Friedrich von Schiller's "Wilhelm ..."
- Eye infection
- Pigeon call

NEED SOME EXTRA CASH?

DIG IN YOUR BASEMENT, OUTBUILDINGS, CLOSETS OR WHEREVER YOU STASHED AWAY ALL THOSE ITEMS THAT YOU "THOUGHT" YOU WOULD USE AGAIN &



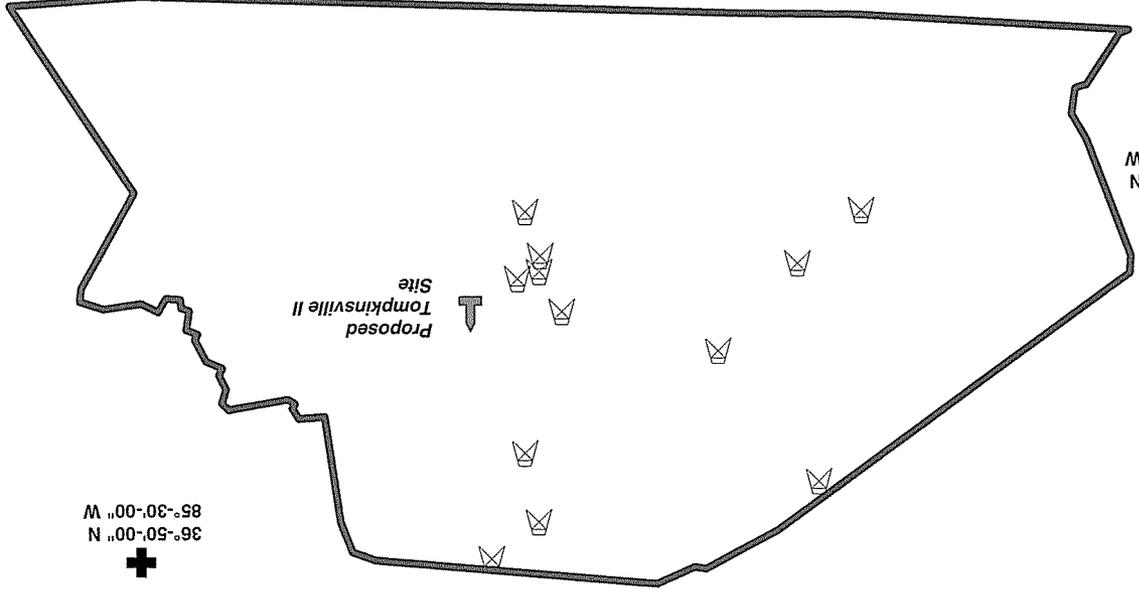


Search Area Map	
7.5 Minute Map:	Tompkinsville, KY Quadrangle
Site Name:	<i>Tompkinsville 2</i>
Latitude:	36-44-09 N
Longitude:	85-39-12 W
Ground Elevation:	1000' (AMSL)
Tower Height:	255' AGL
Note:	<i>Minimum GE is 950 ft AMSL</i>

Site Candidate Information	
7.5 Minute Map:	Tompkinsville, KY Quadrangle
Site Name:	<i>Tompkinsville II</i> ⊗
Latitude:	36-44-16.20 N
Longitude:	85-39-31.77 W
Ground Elevation:	1038' (AMSL)
Tower Height:	255' AGL

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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1041300	36 49 56.2	85 40 7.8	Tompkinsville, KY	TEXAS EASTERN COMMUNICATIONS, INC.
1042225	36 44 13	85 42 10	Tompkinsville, KY	Global Tower, LLC
1043026	36 43 27	85 40 53	Tompkinsville, KY	WHITTIMORE ENTERPRISES INC DBA = WTKY AM FM
1043447	36 43 6	85 48 58	Flippen, KY	Estate of J. David Fridley
1044822	36 43 17	85 41 31	Tompkinsville, KY	KENTUCKY, COMMONWEALTH OF DBA = KENTUCKY EMERGENCY WARNING SYSTEM KEWS
1055079	36 49 5	85 41 30	Glasgow, KY	Somerset Educational Broadcasting Foundation
1065560	36 41 54	85 41 7	Tompkinsville, KY	CUMBERLAND CELLULAR PARTNERSHIP DBA = BLUEGRASS CELLULAR
1215547	36 48 9.1	85 49 35.8	Mt. Hermon, KY	Cumberland Cellular Partnership
1217901	36 41 53	85 50 50	McMinnville, KY	State of Tennessee Department of Transportation Aeronautics
1225703	36 42 55.2	85 41 32.9	Tompkinsville, KY	Mediacom Southeast LLC
1258492	36 47 29	85 41 6.2	Tompkinsville, KY	Cumberland Cellular Partnership
1263385	36 45 8.2	85 46 41.1	Tompkinsville, KY	Cumberland Cellular Partnership



Prepared By: LINGS Engineering
12/07/2009

+	Tick Marks
T	Proposed Tower Location
⌘	Registered with the FCC Wireless Tower Locations
—	Monroe County Boundary

