COMMONWEALTH OF KENTUCKY



BEFORE THE PUBLIC SERVICE COMMISSION

JAN 25 2008

PUBLIC SERVICE In the Matter of: COMMISSION

APPLICATION OF KENTUCKY RSA #4 CELLULAR GENERAL PARTNERSHIP FOR ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT A CELL SITE (GREEN NORTH) IN RURAL SERVICE AREA #4 (GREEN) OF THE COMMONWEALTH OF KENTUCKY

CASE NO. 2007-00500

APPLICATION FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY (GREEN NORTH)

Kentucky RSA #4 Cellular General Partnership ("Kentucky RSA #4"), 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 Green North cell site in and for rural service area ("RSA") #4 of the Commonwealth of Kentucky, namely the counties of Anderson, Green, Hardin, Larue, Marion, Mercer, Nelson, Spencer, Taylor and Washington, Kentucky.

- As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Kentucky RSA #4 states that it is a Kentucky general partnership whose full name and post office address are: Kentucky RSA #4 Cellular General Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701.
- 2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant's applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit "A". Written authorizations from these agencies will be supplied to the Commission upon their approval.
- Pursuant to 807 KAR 5:063 §1(1)(d), applicant is submitting as Exhibit "B" a 3. 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 Green North cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Kentucky RSA #4, of which system the Green North cell site will be a part. Bluegrass Cellular Inc. provides management services to Kentucky RSA #4 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 5:063 §1(1)(g), Eastpointe Engineering Group, LLC is responsible for the design specifications of the proposed tower (identified in Exhibit "B").
- 8. Pursuant to 807 KAR 5:063 §1(1)(h), a site development plan or survey, signed and sealed by a professional engineer registered in Kentucky, that shows the proposed location of the tower and all easements and existing structures within 500 feet of the proposed site on the property on which the tower will be located, and all easements and existing structures within 200 feet of the access drive, including the intersection with the public street system, is 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".
- 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".
- Pursuant to 807 KAR 5:063 § 1 (1)(1), 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 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 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 Green 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 Green County Judge Executive is Exhibit "G".
- 17. Pursuant to 807 KAR 5:063 § 1 (1)(p), applicant's legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location

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

- 18. Pursuant to 807 KAR 5:063 § 1 (2)(a), applicant's legal counsel affirms that:
 - (a) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "Kentucky RSA #4 Cellular General Partnership proposes to construct a telecommunications tower on this site," including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted and shall remain in a visible location on the proposed site until final disposition of the application; and
 - (b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "Kentucky RSA #4 Cellular General Partnership proposes to construct a telecommunications tower near this site," including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted on the public road nearest the site.

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

- 19. Pursuant to 807 KAR 5:063 § 1 (1)(q), a statement that notice of the location of the proposed construction has been published in a newspaper of general circulation in the county in which the construction is proposed is attached as Exhibit "I".
- 20. Pursuant to 807 KAR 5:063 § 1(1)(r), the cell site, which has been selected, is in a relatively undeveloped area in Magnolia, Kentucky.
- 21. Pursuant to 807 KAR 5:063 §1(1)(s), Kentucky RSA #4 has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate. Kentucky RSA #4 has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.
- 22. Pursuant to 807 KAR 5:063 § 1(1)(t), attached as Exhibit "J" is a map of the area in which the tower is proposed to be located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located.

- 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".
- No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Kentucky RSA #4 Cellular and which would provide adequate service to the area exists.
- Correspondence and communication with regard to this application should be 25. 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, Kentucky RSA #4 Cellular General Cellular Partnership requests the Commission to enter an order:

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

Respectfully submitted,

John E. Selen

Holly Q. 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

127978_1 21964-20

LUKAS, NACE, GUTIERREZ & SACHS

CHARTERED

1650 Tysons Boulevard, Suite 1500 McLean, Virginia 22102 703 584 8678 • 703 584 8696 FAX

WWW.FCCLAW.COM

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

CONSULTING ENGINEERS ALI KUZEHKANANI LEILA REZANAVAZ OF COUNSEL LEONARD S. KOLSKY* JOHN CIMKO* J. K. HAGE 111* JOHN J. MCAVOY* HON. GERALD S. MCGOWAN* TAMARA DAVIS-BROWN*

*NOT ADMITTED IN VA

December 12, 2007

Telephone (703) 584-8668

Via Federal Express

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

Dear Mr. Houlihan:

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

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

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

Sincerely, Leila Resanavas Leila Rezanavas

Consulting Engineer

Enclosures

Doug Updegraff

- INSTRUCTIONS ON REVERSE SIDE OF FORM	TC 56-50 (Rev. 08/00) PAGE 1 OF 2
. Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 125 H APPLICATION FOR PERMIT TO CONSTRUCT OR	
1. APPLICANT - Name, Address, Telephone, Fax, etc. Scott McCloud Bluegrass Cellular 2902 Ring Road Elizabethtown, KY 42702 Tel: 270-769-0339 Fax: 270-737-0580 2. Representative of Applicant - Name, Address, Telephone, Fax Leila Rezanavaz Lükās, Nace, Gütierrez & Sachs, Chartered- 1650 Tysons Blvd., Suite 1500 McLean, VA 22102 T: 703-584-8668 3. Application for Mew Construction Alteration Existing 4. Duration: Permanent Temporary (Months Days 2/15/08 5. Work Schedule: Start End 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 & Medium Intensity White White - High Intensity Other 8. FAA Aeronautical Study Number 2007-ASO-7025-OE 21. Description of Proposal: Structure: Tower with top-mounted antenna ERP: 250 watts. Frequencies: Cellular Band B	9. Latitude: 37 ° 25 , 41 03 " 10. Longitude: 85 ° 39 . 31 79 " 11. Datum: NAD 83 NAD 27 other 12. Nearest Kentucky City Magnolia County: Larue 13. Nearest Kentucky Public use or Military airport: AAS - Taylor County Airport 14. Distance from #13 to Structure: 19.8 miles 15. Direction from #13 to Structure: WNW 16. Site Elevation (AMSL): 961 Feet 17. Total Structure Height (AGL): 255 Feet 18. Overall Height (#16 + #17) (AMSL): 1216 Feet 19. Previous FAA and/or Kentucky Aeronautical Study Number(s): N/A 20. Description of Location: (Attach a USGS 7.5 minute Quadrangle Map or an Airport Layout Drawing with the precise site marked and any certified survey) Site is located at: 788 Sand Ridge Road Magnolia, KY 42757
22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 746 been filed with the Federal Aviation Administration?	0-1)
CERTIFICATION: 1 hereby certify that all the above statements made by me are to Leila Rezanavaz/ Consulting Engineer Printed Name Signature PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183.)	Perfect to the best of my knowledge and belief. 12/12/07 Date

- INSTRUCTIONS ON REVERSE SIDE OF FORM		TC 56-50 (Rev. 08/00) PAGE 1 OF 2
. Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 125 F	Iolmes Street, Frankfort KY 40622	Kentucky Aeronautical Study Number
APPLICATION FOR PERMIT TO CONSTRUCT OR	ALTER A STRUCTURE	
1. APPLICANT - Name, Address, Telephone, Fax, etc. Scott McCloud Bluegrass Cellular 2902 Ring Road Elizabethtown, KY 42702 Tel: 270-769-0339 Fax: 270-737-0580 2. Representative of Applicant - Name, Address, Telephone, Fax Leila Rezanavaz Lükās, Nace, Gutierrez & Sachs, Chartered- 1650 Tysons Blvd., Suite 1500 McLean, VA 22102 T: 703-584-8668 3. Application for: New Construction Alteration Existing 4. Duration: Permanent Temporary (Months Days) 2/10/08 2/15/08 5. Work Schedule: Start End 6. Type: Antenna Tower Crane Building Power Line Chandfill Water Tank Other 1 7. Marking/Painting and/or Lighting Preferred: Red Lights and Paint Dual - Red & Medium Intensity White White - Medium Intensity Dual - Red & High Intensity White U White - High Intensity Other	10. Longitude: 85 ° 39 11. Datum: XI NAD 83 II NAD 2 12. Nearest Kentucky City Magno I 13. Nearest Kentucky public use or M AAS - Taylor County 14. Distance from #13 to Structure: 15. Direction from #13 to Structure: 16. Site Elevation (AMSL): 17. Total Structure Height (AGL): 18. Overall Height (#16 + #17) (AMSL) 19. Previous FAA and/or Kentucky A N/A 20. Description of Location: (Attach	27 Dother lia
21. Description of Proposal: Structure: Tower with top-mounted antenna ERP: 250 watts. Frequencies: Cellular Band B 22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 746 been filed with the Federal Aviation Administration? CERTIFICATION: I hereby certify that all the above statements made by me are Leila Rezanavaz/ Consulting Engineer Printed Name PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183. Series) are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Not further penalties.	60-1) No Yes, When 12/ true, complete and correct to the best of my Regumes 861 through 183.990) and Kentucky Admi	11/07 y knowledge and belief 12/12/07 Date inistrative Regulations (602 KAR 050)
Commission Action:	ZC Administrator	r, KAZC
Approved Disapproved		Date

Landmark Surveying Co., Inc.

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



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

2C Certification

November 26, 2007

Designation: Green North Site ID No.: Not Available

Tower Type: Proposed Self-Support Tower

Location: 788 Sand Ridge Road, Magnolia, KY 42757

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

Latitude: 37 degrees 25 minutes 41.03 seconds North (NAD 1983)

Longitude: 85 degrees 39 minutes 31.79 seconds West (NAD 1983)

Ground Elevation: 961.4 feet or 293.04 meters (NAVD 1988)

Proposed Structure Height: 240 feet or 73.2 meters (above ground level)

Proposed Overall Structure Height: not available (above ground level)

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

The information shown above is based upon field observations made on November 15, 2007 using the National Geodetic Survey monument "R 222" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop 2007 software.

Landmark Surveying Co., Inc.

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

Page 1 of 2

Notice of Proposed Construction or Alteration (7460-1)

gr Allegad plants from the programmed from	A READY TO DESCRIPTION OF THE PROPERTY OF THE	7
Project Name: BLUEG-000084114-07	Sponsor: Bluegrass Cellular, Inc.	AJAN.

Details for Case : Green North

Show Project Summary

Case Status						
ASN: 2007-ASO-702	4-OE	Date Accepted:	12/11/2007	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	
Status: Accepted		Date Determined:	:			
		Letters:	None			
Construction / Alterat	ion Information	Structure Summ	nary			
Notice Of:	Construction	Structure Type:	Antenna Tower			
Duration:	Permanent	Structure Name:	Green North			
if Temporary :	Months: Days:	FCC Number:				
Work Schedule - Start:	02/10/2008	Prior ASN:				
Work Schedule - End:	02/15/2008					
State Filing:	Filed with State					
Structure Details		Common Frequ	ency Bands			
Latitude:	37° 25' 41.03" N	Low Freq 824	High Freq 849	Freq Unit MHz	ERP 500	ERP Uni
Longitude:	85° 39' 31.79" W	851 869	866 894	MHz MHz	500 500	w
Horizontal Datum:	NAD83	909	694	PIFIZ	500	VV
Site Elevation (SE):	961 (nearest foot)	Specific Freque	ncies			
Structure Height (AGL):	255 (nearest foot)		in agreement to provide			
Marking/Lighting:	Dual-red and medium intensity					
Other:						
Nearest City:	Magnolia					
Nearest State:	Kentucky					
Description of Location:	788 Sand Ridge Road Magnolia, KY 42757					
Description of Proposal:	Tower with top-mounted antennas for overall height of 255' AGL.					

https://oeaaa.faa.gov/oeaaa/external/eFiling/locationAction.jsp?action=showLocationFor... 12/11/2007

Section	112	Ē	0T	£	178	11	5		t1	14	ե	ե	F
Legs	SRA	SR 4 1/4	"	SR4	SR 3 3/4		SR 3 1/2		SR3	SR 2 3/4	SR 2 1/2	SR 2 1/4	SR 1 3/4
Leg Grade							A572-50						
Diagonals	L3 1/2x3	L3 1/2x3 1/2x1/4	L3x3x1/4	(F)	L3x3x3/16	121	L2 1/2x2 1/2x3/16	-1	L2x2x3/16	L1 3/4x1 3/4x3/16		L1 1/2x1 1/2x3/16	•
Diagonal Grade							A36						
Top Girts						N.A.							L1 1/2x1 1/2x3/16
Face Width (ft) 19	17.5		14.5		13	11.5	10	8.5	7	5.5			
# Panels @ (ft)				21 @ 6.33333							20 @ 4.75		
Weight (K) 32.8	49	979	5	3.6	32	7.2	2.6		20	1.6	13	5	970
	0.0 ft	20.0 ft	40.0 ft	60.0 ft	80.0 ft	100.0 ft	120.0 ft	140.0 ft		160.0 ft	180.0 ft	200.0 ft	220.0 ft

DESIGNED APPURTENANCE LOADING

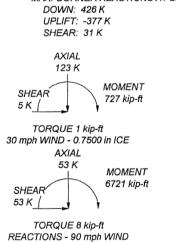
TYPE	ELEVATION	TYPE	ELEVATION
(2) D100-0042-0041 (Initial)	240	T frame sector Mount (Future Carrier	200
(2) D100-0042-0041 (Initial)	240	2)	
(2) D100-0042-0041 (Initial)	240	(2) RWB 80014/120 (Future)	180
Lightning Rod 1"x10' (Initial)	240	(2) RWB 80014/120 (Future)	180
Flash Beacon Lighting (Initial)	240	(2) RWB 80014/120 (Future)	180
T frame sector Mount (Initial)	240	T frame sector Mount (Future Carrier	180
T frame sector Mount (Initial)	240	3)	100
T frame sector Mount (Initial)	240	T frame sector Mount (Future Carrier 3)	180
(2) RWB 80014/120 (Future)	220	T frame sector Mount (Future Carrier	180
(2) RWB 80014/120 (Future)	220	3)	
(2) RWB 80014/120 (Future)	220	(2) RWB 80014/120 (Future)	160
T frame sector Mount (Future Carrier	220	(2) RWB 80014/120 (Future)	160
1)		(2) RWB 80014/120 (Future)	160
T frame sector Mount (Future Carrier 1)	220	T frame sector Mount (Future Carrier 4)	160
T frame sector Mount (Future Carrier 1)	220	-,	160
(2) RWB 80014/120 (Future)	200	T frame sector Mount (Future Carrier	160
(2) RWB 80014/120 (Future)	200	4)	100
(2) RWB 80014/120 (Future)	200	HP6-122	140
T frame sector Mount (Future Carrier 2)	200		1
T frame sector Mount (Future Carrier 2)	200	1	

MATERIAL STRENGTH

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

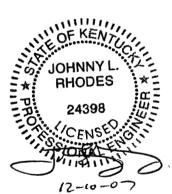
TOWER DESIGN NOTES

- Tower is located in Green County, Kentucky.
 Tower designed for Exposure C to the TIA-222-G Standard.
 Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
 Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
- 5. Deflections are based upon a 60 mph wind
- Tower designed as Structure Class II
 In no case shall more than (6) lines be exposed to wind. Feedlines may be stacked in up to (2) rows on the inside and outside face of the tower.
 Final Design 12/10/07. JLR



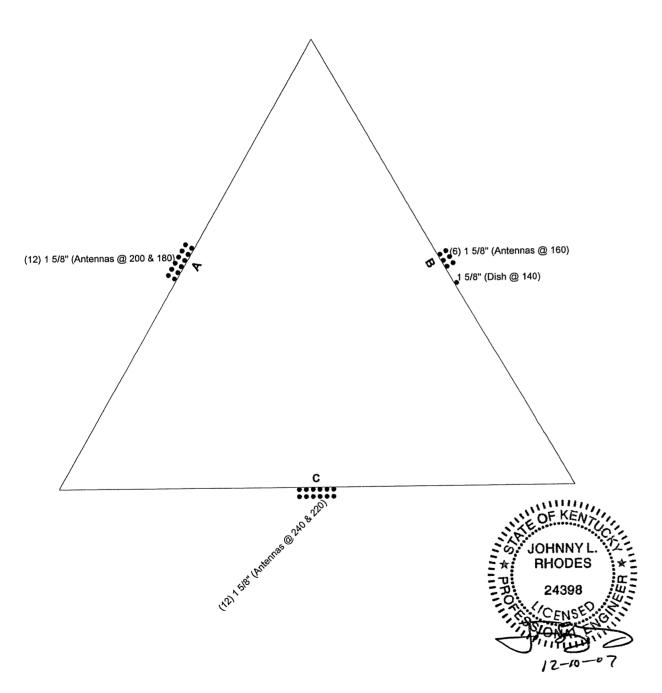
MAX. CORNER REACTIONS AT BASE:

 \triangle



E	Eastpointe Engineering Group, LLC	^{Job:} E	II Job #2727G	Green North	
	4020 Tull Ave.	Projec	t: 240' SST/Green C	County, KY	
	Muskogee, OK 74403	Client	Bluegrass Cellular	Drawn by: Johnny L. Rhodes, P.E.	App'd:
	Phone: 918.683.2169	Code:	TIA-222-G	Date: 12/10/07	Scale: NT
		Path:	2 Strated Files(2700 Series)2777 Greeniterthicology	eter/firefi overDeter/UTT1 24016 Grawflotheri	Dwg No. E

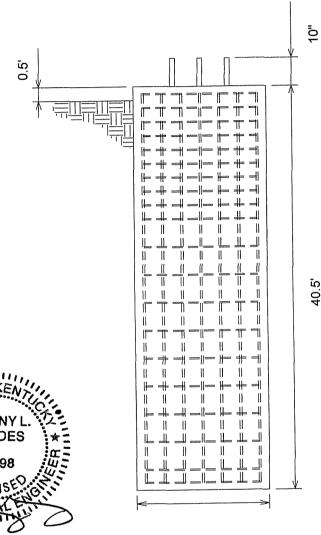
i ccumic i ian



ļ	Eastpointe Engineering Group, LLC	Job: Ell Job #2727Green North	
	4020 Tull Ave.	Project: 240' SST/Green County, KY Client: Bluegrass Cellular Drawn by: Johnny L. Rhodes, P.E.	.pp'd:
		Code: TIA-222-G Date: 12/10/07 S	Scale: NTS
	FAX: 918.682.7618	Path: 2 Parks Renotice Section 2777 Creen North Control of Path Control of Co	Dwg No E-7

CAISSON DESIGN

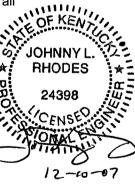
	(14) #9 bars, 40' long
Ties	#5 bars @ 6" c/c for the first 6.5' then 12" c/c thereafter



General Notes

- 1. Concrete shall be placed in accordance with ACI318-02, latest revision.
- 2. Concrete shall have a minimum 28 day compressive strength of 4000 PSI.
- 3. Rebar to conform to ASTM A615 grade 60.
- 4. Rebar used for ties may be A615 grade 40.
- 5. All rebar to have a minimum of 3" clear cover.6. All exposed concrete corners to have 3/4" chamfer.
- 7. Bottom and side surfaces to rest on undisturbed soil.
- 8. Contractor shall be responsible to review and follow all

recommendations of the geotechnical report.



Supplemental Notes

Soil values obtained from Terracon soils report #57077384 Dated 12/05/07. Use (6) 1 1/4" F1554 Grade 105 Anchor Bolts w/ min 60" embedment.

EASTPOINTE ENGINEERING GROUP, LLC

4020 Tull Ave. Muskogee, OK 74403--Phone 918.683.2169--Fax:918.682.7618

Client:	Bluegrass Cellular					
Site:	Green N	lorth				
Job:	2727	Drawn by:	JLR			
Scale:	NTS	Date:	12/10/07			

2		
t 5		
JLR 12/10/07		

GEOTECHNICAL ENGINEERING REPORT

GREEN NORTH TELECOMMUNICATION TOWER 600 MOUNT SHERMAN-HART COUNTY LINE ROAD MAGNOLIA, GREEN COUNTY, KENTUCKY

> TERRACON PROJECT NO. 57077384 December 5, 2007

> > Prepared For:

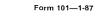
BLUEGRASS CELLULAR PARTNERSHIP Elizabethtown, Kentucky

Prepared by:

Terracon

Louisville, Kentucky





December 5, 2007



4545 Bishop Lane, Suite 101

Louisville, Kentucky 40218 Phone 502.456.1256

Fax 502.456.1278 www.terracon.com

Bluegrass Cellular Partnership 2902 Ring Road Elizabethtown, Kentucky 42702

Attention: Mr. Doug Updegraff

Re: Geotechnical Engineering Report
Green North Telecommunication Tower
600 Mount Sherman-Hart County Line Road
Magnolia, Green County, Kentucky
Terracon Project No. 57077384

Dear Mr. Updegraff:

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

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

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

Sincerely,

Shaikh Z. Rahman, EIT Staff Engineer

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

Copies: (4) Addressee

Ren @ 10.16

MANAGER AND THE STREET OF THE

Vimothy G. LaGrow, P.E. Regional Manager

Delivering Success for Clients and Employees Since 1965

More Than 80 Offices Nationwide

ROBERT N. KENNEDY

TABLE OF CONTENTS

Cov	er Let	ter	į.
1 0	INITE	ODUCTION	1
1.0	114117	000011014	•
		TOT DECORIDED	
2.0	PRO.	JECT DESCRIPTION	1
3.0	EXPL	ORATION PROCEDURES	1
	3.1		1
		Laboratory Testing	2
	0.2	Laboratory Testing	_
	5 \(5)	OD A TODY FINDINGS	
4.0	EXPL	ORATORY FINDINGS	4
	4.1	Subsurface Conditions	2
	4.2	Site Geology	3
	4.3	Groundwater Conditions	3
	.,,		
5 A	ENG	INEERING RECOMMENDATIONS	. 4
5.0			,
	5.1	Tower Foundation	-
	5.2		(
	5.3		
	5.4	Site Preparation	. 7
		•	
6.0	GEN	ERAL COMMENTS	. 7
0.0	U LI4	bes 14 ton V V	
A P.		IV	
API	PEND	IX	

Boring Location Plan
Boring Log
General Notes
Unified Soil Classification System

GEOTECHNICAL ENGINEERING REPORT

GREEN NORTH TELECOMMUNICATION TOWER 600 MOUNT SHERMAN-HART COUNTY LINE ROAD MAGNOLIA, GREEN COUNTY, KENTUCKY TERRACON PROJECT NO. 57077384 December 5, 2007

1.0 INTRODUCTION

The purpose of this report is to describe the subsurface conditions encountered in the boring, analyze and evaluate the test data, and provide recommendations regarding the design and construction of the foundations and earthwork for the proposed tower. One boring extending to a depth of about 50½ feet below the existing ground surface was drilled at the site. An individual boring log and a boring location plan are included with this report.

2.0 PROJECT DESCRIPTION

Terracon understands the proposed project will consist of the construction of a 240-foot self supporting lattice tower. Exact tower loads are not available, but based on our past experience are anticipated to be as follows:

Vertical Load: 600 kips
Horizontal Shear: 80 kips
Uplift: 500 kips

A small, lightly loaded equipment building will also be constructed. Wall and floor loads for this building are not anticipated to exceed 1 kip per linear foot and 100 pounds per square foot, respectively. The subject site consists of an approximate 100- by 100-foot parcel of relatively level, partially wooded land located east of Mt. Sherman-Hart County Line Road in Magnolia, Green County, Kentucky. Existing grades at the site were not available as of this writing. Based on the provided drawing and site information, the approximate elevation at the center of tower is EL 970. Based on observed topography, minimal cut/fill can be anticipated to level the site for construction.

3.0 EXPLORATION PROCEDURES

3.1 Field Exploration

The subsurface exploration consisted of drilling and sampling one boring at the site to a depth of about 50½ feet below existing grade. The boring was advanced approximately 10 feet west of the center of the tower, as staked by the project surveyor. The location of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

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

Terracon

Due to limited recovery in some split spoon samples, rock coring was attempted to sample the weathered bedrock between the depths of 8 ½ to 18 ½ feet. Due to the apparent degree of weathering, no samples were recovered using this technique and the remaining profile below this depth was sampled using the split barrel procedure.

A field log of the boring was prepared by a subcontract driller. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the driller's field log and a visual classification of the soil samples made by the Geotechnical Engineer.

3.2 Laboratory Testing

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

The laboratory testing program consisted of performing water content tests and an Atterberg Limits test on representative soil samples. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification. Results of these tests are provided on the boring log.

4.0 EXPLORATORY FINDINGS

4.1 Subsurface Conditions

Conditions encountered at the boring location are indicated on the boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types and the transition between materials may be gradual. Water levels shown on the boring log



Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

represent the conditions only at the time of our exploration. Based on the results of the boring, subsurface conditions on the project site can be generalized as follows.

Tierracon

Beneath about 0.3 foot of topsoil, the boring encountered sandy silt (ML) and sandy clay (CL) to a depth of about 5 feet below grade where the soil profile transitioned into sand and weathered sandstone extending to planned boring termination depth of about 50½ feet below grade. The sandy silt and clay exhibited a medium stiff to very stiff consistency based on standard penetration test (N) values of 5 and 34 blows per foot. The underlying sand and weathered sandstone was very dense based on N-values of over 50 bpf.

4.2 Site Geology

A review of the Geologic Map of the Magnolia Quadrangle published by the United States Geological Survey (USGS) indicates that the site is underlain by the Saint Genevieve and Saint Louis Limestones of the Mississippian age. The Saint Genevieve and Saint Louis Limestones are comprised by limestone, dolomite and shale and can range up to 240 feet thick. Sand, clay and gravel derived from slumped sandstone, shale and conglomerate are encountered in some areas within this quadrangle. Although not mapped at this site, the results of our boring would indicate the presence of these materials.

It should be noted that the site is underlain by a limestone formation that is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels within the rock strata and a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as a karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of the proposed structures. Our review of the available topographic and geologic mapping did not note any sinkholes on or around the site, or within a ½ mile radius of the property. Furthermore, the borings drilled at the site did not disclose any obvious signs of impending overburden collapse.

4.3 Groundwater Conditions

The boring was monitored while drilling and immediately after completion for the presence and level of groundwater. Water levels observed in the boring are noted on the boring log. After completion of drilling operations, groundwater was observed in the boring at a depth of about 39 feet below existing grade. However, it should be recognized that water was used during the rock coring procedures. Therefore, these water level observations only provide an approximate indication of the groundwater conditions existing on the site at the time the boring was drilled. Longer term monitoring in cased holes or piezometers would be required for a more accurate evaluation of the groundwater conditions.



Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

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

Terracon

5.0 ENGINEERING RECOMMENDATIONS

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

5.1 Tower Foundation

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

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, & ₅₀ (in/in)
0 - 3	Topsoil and Sandy Silt	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 - 5	Sandy Clay	250	3,000	1,000	0	1,500	125	0.007
3 - 25	Sand and Weathered Sandstone	250 900 ***	5,000 ***	1,000 – 5,000 ***	34	0	225	0.001
25 - 50	Sand and Weathered Sandstone	1,000	7,000 ***	5,000 — 10,000 ***	36	0	225	0.001

Table 1 - Drilled Pier Foundation Design Parameters

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



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

^{**} A total unit weight of 120 pcf and 130 pcf can be assumed for the clays and sands respectively. The buoyant unit weight of sand can be taken as 63 pcf.

^{***} Increases linearly. Skin friction values for sands assume uplift controls design. Compression skin friction values for sands can be increased by 50%, if necessary.

Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

The upper 3 feet of topsoil, sandy silt and clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in lateral and uplift resistance caused by variable subsurface conditions, we recommend that drawings instruct the contractor to notify the engineer if subsurface conditions significantly different than those encountered in the boring are disclosed during the drilled pier installations. Under these circumstances, it may be necessary to adjust the overall length of the pier. To facilitate these adjustments and assure that the pier is embedded in suitable materials, it is recommended that a Terracon representative observe the drilled pier excavations.

Tierracon

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

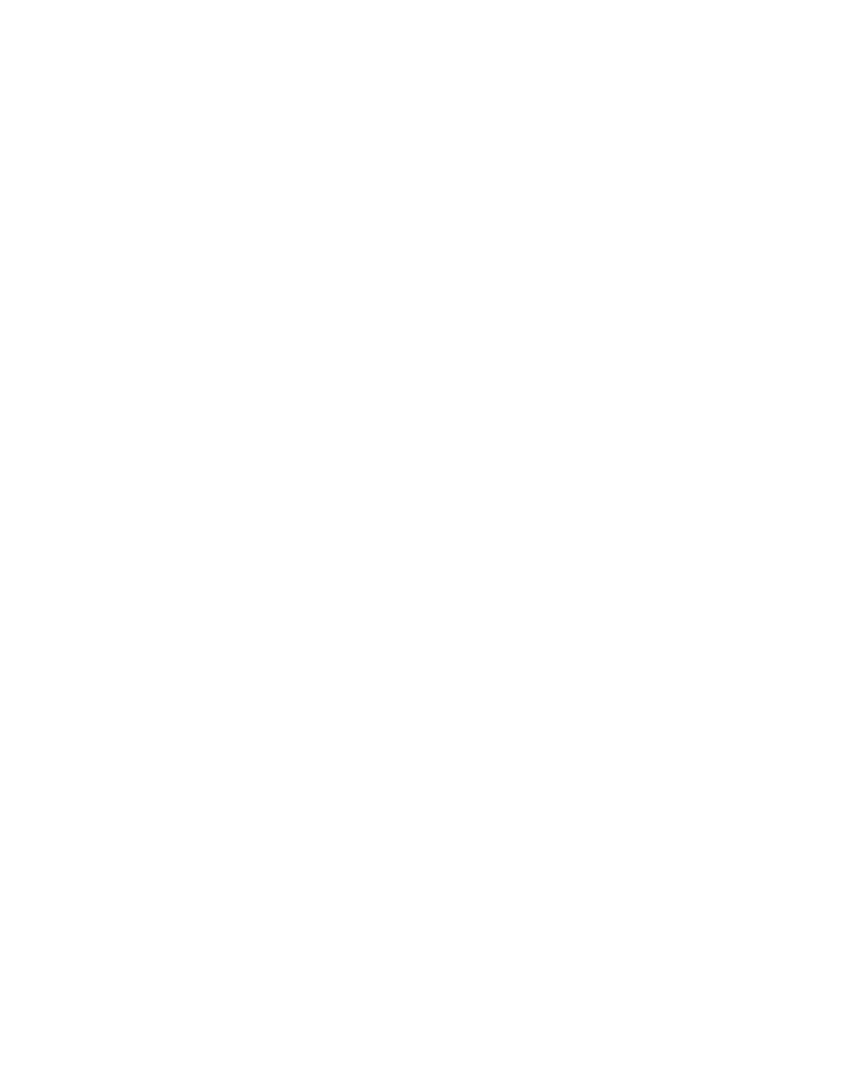
A drilled pier foundation should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and possible dewatering of the pier excavation. Temporary casing may be required during the pier excavation in order to control possible groundwater seepage and support the sides of the excavation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

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

Mat Foundation Alternative: The mat foundation can be designed using the following natural soil/engineered fill parameters. These parameters are based on the findings of the boring, a review of published correlation values and Terracon's experience with similar soil conditions. These design parameters also assume that the base of the mat foundation will rest on natural soils or well-graded crushed stone that is compacted and tested on a full time basis.

Mat Foundation Design Parameters

Depth (feet)	Description	Allowable Contact Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Coefficient of Friction, Tan δ	Vertical Modulus of Subgrade Reaction (pci)
0 - 4	Topsoil and Sandy Silt	lgnore	Ignore	-	
≥ 4	Weathered Sandstone or Crushed Stone Fill	5,000	Ignore	0.5	150



Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

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

Terracon

5.2 Equipment Building Foundations

The proposed equipment shed may be supported on shallow footings bearing on stiff natural soils. The equipment building foundations should be dimensioned using a net allowable soil bearing pressure of 2,000 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2 feet square.

The geotechnical engineer or a qualified representative should observe the foundation excavations to verify that the bearing materials are suitable for support of the proposed loads. If, at the time of such observation, any soft soils are encountered at the design foundation elevation, the excavations should be extended downward so that the footings rest on stiff soils. If it is inconvenient to lower the footings, the proposed footing elevations may be re-established by backfilling after the undesirable material has been removed.

The recommended soil bearing value should be considered an upper limit, and any value less than that listed above would be acceptable for the foundation system. Using the value given, total settlement would be about 1 inch or less with differential settlements being less than 75 percent of total settlement. Footings should be placed at a depth of 2 feet, or greater, below finished exterior grade for protection against frost damage.

5.3 Parking and Drive Areas

The drive that accesses the site will be surfaced with crushed stone. Parking and drive areas that are surfaced with crushed stone should have a minimum thickness of 6 inches and be properly placed and compacted as outlined herein. The crushed stone should meet Kentucky Transportation Cabinet specifications and applicable local codes.

A paved section consisting only of crushed graded aggregate base course should be considered a high maintenance section. Regular care and maintenance is considered essential to the longevity and use of the section. Site grades should be maintained in such a manner as to allow for adequate surface runoff. Any potholes, depressions or excessive rutting that may develop should be repaired as soon as possible to reduce the possibility of degrading the soil subgrade.



Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

5.4 Site Preparation

Site preparation should begin with the removal of any topsoil, loose, soft or otherwise unsuitable materials from the construction area. The geotechnical engineer should evaluate the actual stripping depth, along with any soft soils that require undercutting at the time of construction.

Tlerracon

Any fill and backfill placed on the site should consist of approved materials that are free of organic matter and debris. Suitable fill materials should consist of well graded crushed stone below the tower foundation and well graded crushed stone or low plasticity cohesive soil elsewhere. Low-plasticity cohesive soil should have a liquid limit of less than 45 percent and a plasticity index of less than 25 percent. The on site soils are considered suitable for re-use as fill. It is recommended that during construction these soils should be further tested and evaluated prior to use as fill. Fill should not contain frozen material and it should not be placed on a frozen subgrade.

The fill should be placed and compacted in lifts of 9 inches or less in loose thickness. Fill placed below structures or used to provide lateral resistance should be compacted to at least 95 percent of the material's maximum standard Proctor dry density (ASTM D-698). Fill should be placed, compacted, and maintained at moisture contents within minus 2 to plus 2 percent of the optimum value determined by the standard Proctor test.

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

6.0 GENERAL COMMENTS

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

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



Magnolia, Kentucky

Terracon Project No.: 57077348

December 5, 2007

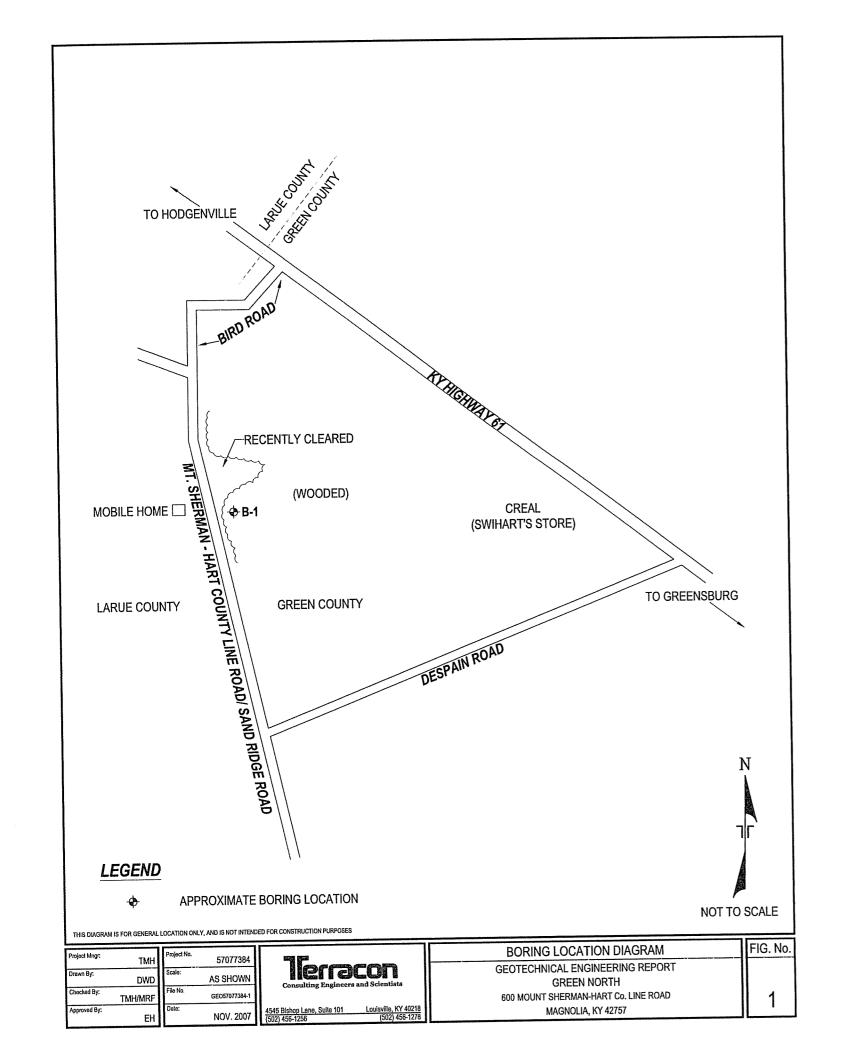
The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential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

Tierracon

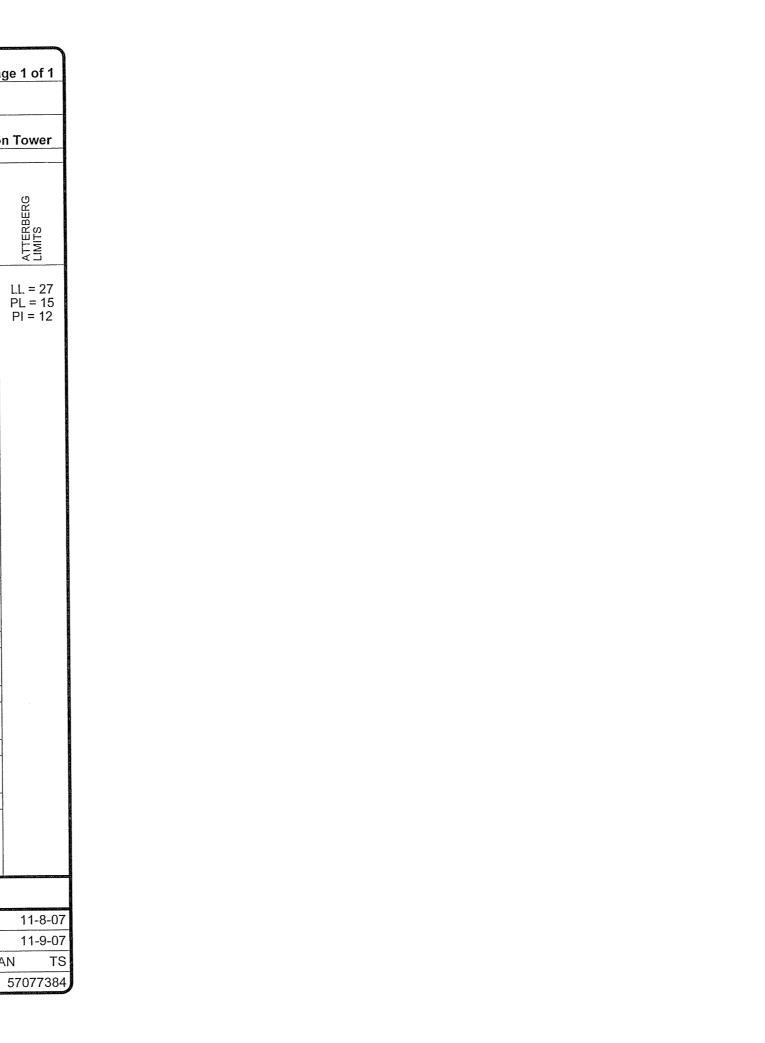
This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support,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







	LOG OF BOF	RING	NC). E	3-1			trut an a constitution and	de La companya di Salah Sarah Sa	Pa	ge 1 of 1
CLI	ENT					10.0					
CIT	Bluegrass Cellular Partnership E600 Mount Sherman Hart County Line Road	PRO	IFC	T							diameter of the state of the st
511	Magnolia, Kentucky				d Gr	een l	North	Telec	ommı		n Tower
	<u> </u>				SAN	1PLES	3			TESTS	
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	ATTERBERG LIMITS
O TTT	SANDY SILT, brown, medium stiff, moist	=	ML	1	SS	12	5	17		,	
	SANDY CLAY with sandstone fragments,	=	CL	2	SS	8	34	16			LL = 27 PL = 15
	reddish brown, hard, moist	5_	SP	3	SS	8	20				PI = 12
	SAND & WEATHERED SANDSTONE, fine grained, yellowish brown, very dense,		SP	4	SS	3	50/3 50/3				
	slightly moist to saturated Attempted Rock Core at 8.5 feet to 18.5	=	SP	5	DB	0%	RQD				
	feet - No Recovery	10=					0%				
		15									
		=									
		20-	SP	6	SS	18	54				
		20 =									
							50/5		-	<u> </u>	
		25 =	SP	7	SS	5	50/5	1	-	<u> </u>	Sylvina
-		30	SP	8	SS	4	50/4				
											CYPAN ASSESS
		35	SP	9	SS	5	50/5	-	-		
and the same of th		35]		-						
Contract of the Contract of th	▼										
	_	40 =	SP	10	SS	5	50/5				
			3								
		45	SP	11	SS	5	50/5				
			=								
		50-	SP	12	SS	18	66			-	
	Boring Terminated at 50.5 feet	J 50-	7	 		 					
5											
Th	e stratification lines represent the approximate boundary lines ween soil and rock types: in-situ, the transition may be gradual.	g good (Charles) (Charles) (Charles)				1		in a common deliberation described			
2	ATER LEVEL OBSERVATIONS, ft	e annua de Santa esta de esta d	CAPACITY			BOF	RING S	TART	ED		11-8-07
S W	- \\ \frac{\pi}{39.0} \text{AB} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	-					RING C)	11-9-07
W						RIG	Мс	bile E	3-34 I	FOREM	AN TS
5 W	- EX SE VERMAN SM BM				_	APF	ROVE	D T	мН	JOB#	57077384



GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

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

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

WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

CONSISTENCY OF FINE-GRAINED SOILS

RELATIVE DENSITY OF COARSE-GRAINED SOILS

	<u>Standard</u>			
<u>Unconfined</u>	Penetration or		Standard Penetration	
Compressive	N-value (SS)		or N-value (SS)	
Strength, Qu, psf	Blows/Ft.	<u>Consistency</u>	Blows/Ft.	Relative Density
< 500	<2	Very Soft	0 – 3	Very Loose
500 - 1,000	2-4	Soft	4 9	Loose
1,001 - 2,000	5-7	Medium Stiff	~10 – 29	Medium Dense
2,001 - 4,000	8-15	Stiff	30 – 49	Dense
4,001 - 8,000	16-30	Very Stiff	50+	Very Dense
0.000	20.	Llord		•

RELATIVE PROPORTIONS OF SAND AND GRAVEL

GRAIN SIZE TERMINOLOGY

Descriptive Term(s) of other	Percent of	Major Component	
<u>constituents</u>	Dry Weight	of Sample	Particle Size
Trace	< 15	Boulders	Over 12 in. (300mm)
With	15 – 29	Cobbles	12 in. to 3 in. (300mm to 75 mm)
Modifier	> 30	Gravel	3 in. to #4 sieve (75mm to 4,75 mm)
		Sand	#4 to #200 sieve (4.75mm to 0.075mm)
RELATIVE PROPORTIONS	OF FINES	Silt or Clay	Passing #200 Sieve (0.075mm)

Descriptive Term(s) of other	<u>Percent of</u> Dry Weight	PLASTICITY DESCRIPTION Term Plasticity Inde	
<u>constituents</u>	<u>Diy Weight</u>		
Trace	< 5	Non-plastic	0
With	5 – 12	Low	1-10
Modifiers	> 12	Medium	11-30
		High	30+

Rev. 1/2007



UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria fo	or Assigning Group Symbo	ols and Group Names Us	sing Laboratory Tests ^A		Soil Classification
				Group Symbo	Group Name [®]
Coarse Grained Soils	Gravels	Clean Gravels	Cu ≥ 4 and 1 ≤ Cc ≤ 3 ^E	GW	Well-graded gravel ^F
More than 50% retained	More than 50% of coarse fraction retained on	Less than 5% fines ^c	Cu < 4 and/or 1 > Cc > 3 ^E	GP	Poorly graded gravel ^F
on No. 200 sieve	No. 4 sieve	Gravels with Fines	Fines classify as ML or MH	GM	Silty gravel ^{F,G,H}
		More than 12% fines ^c	Fines classify as CL or CH	GC	Clayey gravel ^{F,G,H}
	Sands	Clean Sands	Cu ≥ 6 and 1 ≤ Cc ≤ 3 ^E	SW	Well-graded sand
	50% or more of coarse fraction passes	Less than 5% fines ^b	Cu < 6 and/or 1 > Cc > 3 ^E	SP	Poorly graded sand
	No. 4 sieve	Sands with Fines	Fines classify as ML or MH	SM	Silty sand ^{G,H,I}
		More than 12% fines ^b	Fines Classify as CL or CH	SC	Clayey sand ^{GHI}
Fine-Grained Soils	Silts and Clays	inorganic	PI > 7 and plots on or above "A" I	ine ^J CL	Lean clay ^{K.I,M}
50% or more passes the No. 200 sieve	Liquid limit less than 50		PI < 4 or plots below "A" line ^J	ML	Silt ^{K,L,M}
110. 200 0.010		organic	Liquid limit - oven dried < 0	.75 OL	Organic clay ^{KLM,N}
			Liquid limit - not dried	.,,,	Organic silt ^К ьмо
	Silts and Clays	inorganic	PI plots on or above "A" line	CH	Fat clay ^{KLM}
	Liquid limit 50 or more		PI plots below "A" line	МН	Elastic Silt ^{K,L,M}
		organic	Liquid limit - oven dried	0.75 OH	Organic clay ^{KLMP}
			Liquid limit - not dried	011	Organic silt ^{K,L,M,Q}
Highly organic soils	Primar	ily organic matter, dark in	color, and organic odor	PT	Peat

^ABased on the material passing the 3-in. (75-mm) sieve

^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^CGravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^DSands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

^ECu = D₆₀/D₁₀ Cc =
$$\frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^FIf soil contains ≥ 15% sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

If soil contains ≥ 15% gravel, add "with gravel" to group name.

^J If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^KIf soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^L If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.

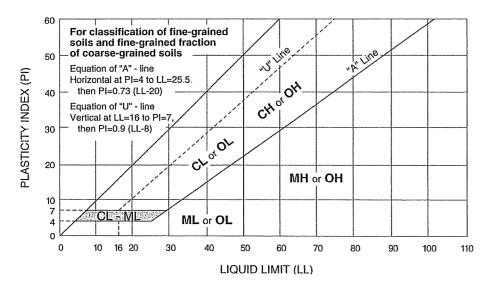
M If soil contains ≥ 30% plus No. 200, predominantly grave add "gravelly" to group name.

^NPI \geq 4 and plots on or above "A" line.

O PI < 4 or plots below "A" line.

PPI plots on or above "A" line.

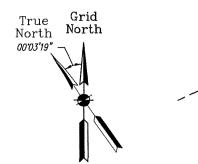
PI plots below "A" line.





Form 111—6/98

ification
oup Name ^B
led gravel ^F
aded gravel ^F
el ^{F,G, H}
avel ^{F,G,H}
led sand ⁱ
aded sand ⁱ
G,H.I
ınd ^{g,H,I}
K.L.M
lay ^{KLMN}
ilt ^{K,L,M,O}
II _{K'} L'W
lay ^{KLMP}
ill ^{k,L,M,Q}
namo
name. up name.
., silty clay.
nd" or "with
nd, add
ntly gravel,
14



Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on November 15, 2007 using the National Geodetic Survey monument "R 222" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information

Designation: Green North Site ID#: None Horizontal Datum: NAD 1983 (2007) Latitude: 37'25'41.03" North Longitude: 85'39'31.79" West Vertical Datum: NAVD 1988 Ground Elevation: 961.4 feet (293.04 meters) State Plane Coordinates Northing: 2,039,008.58 feet (621,491.058 meters) Easting: 1,666,889.75 feet (508,069.012 meters)

Owner Information

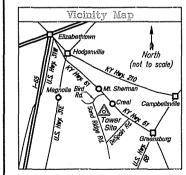
Owners: Floyd Evans and Sandra Evans Address: 600 Mt. Sherman-Ward Road Magnolia, Kentucky 42757 Contact Person: Floyd Evans Phone: (270) 325-3054 PVA Map No. 10-34

♦ Project Bench Mark ♦

Northing: 2,039,013 feet (621,492 meters) 1.666.763 feet (508.030 meters 969.91 feet (295.629 meters) Description: A railroad spike set in the north side of a utility pole, 12" above grade. The pole is located on the west side of Sand Ridge Road about 125' 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 the unincorporated areas of Green County, Kentucky. However, a visual inspection of the site would indicate that the subject site does not lie within a flood prone area.



Directions to Site

From the intersection of U.S. Highway 31W and Kentucky Highway 61 on the south side of Elizabethtown, Kentucky: travel southeasterly on Kentucky Highway 61, passing through Hodgenville and Mt. Sherman, for 20.5 miles to Bird Road at the LaRue/Green County Line; turn right onto Bird Road and travel southerly for 0.5 miles to Sand Ridge Road; continue southerly on Sand Ridge Road for 0.8 miles to the tower site on the left or east side of the road in a wooded area.

e Boundary and Easement Description

of land that is located adjacent to the east side of Sand Ridge Road and I miles southerly of the intersection of said road with Bird Road in the nan Community of Green County, Kentucky, said tract being described as

ING AT a 3/4-inch iron pipe found exposed 30 inches at the southwest the Floyd Evans and Sandra Evans 58.0081-acre tract, as described in * 216, page 686 in the office of the County Clerk of Green County, thence North 01 degree 12 minutes 47 seconds West 460.33 feet to a rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" to as a rebar in the remainder of this description) at the POINT OF 5 of this description: thence North 08 degrees 39 minutes 43 seconds .00 feet to a rebar set flush; thence South 81 degrees 20 minutes 17 East 100.00 feet to a rebar set flush; thence South 08 degrees 39 43 seconds West 100.00 feet to a rebar set flush; thence North 81 20 minutes 17 seconds West 100.00 feet to the point of beginning and a 0,230 acres (10,000 square feet), more or less.

WITH an access and utility easement from the above-described re lease tract to Sand Ridge Road; said easement being described as BEGINNING AT a 5/8-inch rebar set flush with a survey cap inscribed as PLS 3386° at the southwest corner of the above-described 0.230-acre ct; thence North 81 degrees 20 minutes 17 seconds West 25.00 feet to m boundary of Sand Ridge Road (20 feet from the centerline); thence d eastern boundary the following four (4) courses: (1) North 13 degrees

David Perkin's 10 seconds East 40.00 feet; (2) North 10 degrees 59 minutes 53

Deed Book 198, East 20.00 feet; (3) North 06 degrees 11 minutes 02 seconds East 20.00

Plat Cobinet 2, (4) North 00 degrees 22 minutes 38 seconds East 20.39 feet; thence degrees 20 minutes 17 seconds East 24.59 feet to a 5/8-inch rebar set 's said Helms survey cap at the northwest comer of the above-described are lease tract; thence South 08 degrees 39 minutes 43 seconds West net to the point of beginning.

> ing system of these descriptions is based upon the Kentucky State Plane le System, South Zone, NAD 1983 (2007), as determined by G.P.S. ons made on November 15, 2007 using the National Geodetic Survey It is now on these descriptions are based upon a survey completed by is Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on r 26, 2007. This survey is hereby referenced and made a part of these

OF NTLE: Being a portion of and lying entirely within the land described to Floyd Evans and Sandra Evans on October 9, 2006 in Deed Book 216, 5 in the office of the County Clerk of Green County, Kentucky.

Surveyor's Certification

certify that this plat has been compiled from a survey actually made upon d under my direct supervision on November 26, 2007 by the method of raverse with sideshots. The unadjusted precision ratio of the traverse was n 1:37,400 and it was not adjusted. This survey is a Class B survey and acy and precision of this survey meets all the specifications of this class.

V. 24, 2007

1. This survey is subject to a statemi facts which may be disclosed by an A of Title or a Title Commitment Policy documentation was not provided by th

2. No search of public records has be formed by this firm to determine any and/or ambiguities in the title of the

3. The utilities shown on this plat ma not represent all of the utilities location subject site. The presence of the existing shown was determined by a visual institution. the property surface. No utility locati called in prior to this survey. It shall responsibility of the contractor to locu utilities present prior to construction.

OMMAN THE PROPERTY OF THE PROP STATE OF KENTUCKY Darren L. Hfims 3386 Licensed PROFESSIONAL ELAND SURVEYOR



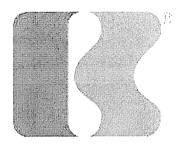
Road 42 Kentucky Ridge Sand Magnolia, 788

d ellulla SS Road त्वं

701 42 Kentucky 2902 Ring Roc Elizabethtown, Bluegr

	REVISIO	ws	L	ATE	
1					
			٠,		
	DATE 11-26-07	DRAWN BY	A. Winkler	<i>ОНЕСКЕ</i> ВУ	D.L.Helms
	SHI	EE	T	NC).
		1			
	OF	15	HE	E	TS
		LE en n			

Lai	andme	Emar rangmany weaking their
-----	-------	-----------------------------



BLUEGRASS

APPROVAL SIGNATURES	
BLUEGRASS CELLULAR PROJECT SUPERVISOR:	
DATE:	
CITY REPRESENTATIVE:	
DATE:	
PROPERTY OWNER/OWNERS:	
DATE:	
TOWER OWNER/OWNERS:	
DATE:	

SITE NAME: GREEN NORTH

911 ADDRESS: 788 SAND RIDGE RD.

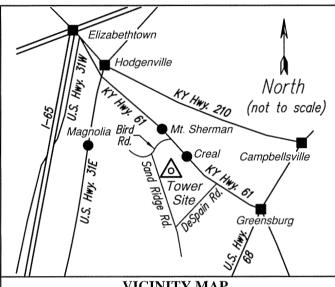
MAGNOLIA, KY. 42757

COUNTY: LARUE

TOWER LATITUDE & LONGITUDE

N 37* 25' 41.03" W 85* 39' 31.79"

SHEET INDEX					
SHEET NO.	DESCRIPTION	 REVISION			
TITLE SHEET	TITLE SHEET				
SURVEY	SURVEY				
A-1	SITE PLAN				
A-2	FENCE DETAILS				
ANTENNA DETAILS 1	ANT.SPECS/TOWER ELEV.				
ANTENNA DETAILS 2	ANTENNA DETAILS 2				
E-1	SITE PLAN - ELECTRICAL				
E-2	ELECTRICAL DETAILS				
LYNCOLE	LYNCOLE GROUNDING				
E-3	ELEC. PLAN - GROUNDING				
E-4	GROUNDING DETAILS				
S-1	FOUNDATION DETAILS				
GENERATOR DETAIL	GENERATOR DETAIL				
GENERAL NOTES	GENERAL NOTES				



VICINITY MAP NOT TO SCALE DIRECTIONS TO SITE

From the intersection of U.S. Highway 31W and Kentucky Highway 61 on the south side of Elizabethtown, Kentucky: travel southeasterly on Kentucky Highway 61, passing through Hodgenville and Mt. Sherman, for 20.5 miles to Bird Road at the LaRue/Green County Line; turn right onto Bird Road and travel southerly for 0.5 miles to Sand Ridge Road; continue southerly on Sand Ridge Road for 0.8 miles to the tower site on the left or east side of the road in a wooded area.

SITE DATA

TOWER OWNER:

PROPERTY OWNER: Floyd & Sandra Evans 600 Mt. Sherman-Ward Rd Magnolla, KY. (270) 325-3054

(270) 769-0339

POWER COMPANY: NOLIN RECC (270) 765-6153

BLUEGRASS CELLULAR

TELEPHONE COMPANY: SOUTH CENTRAL RTC

BLUEGRASS PROJECT SUPERVISOR

JEFF BREWER (270) 202-7030



ROBIN BECKER (502)231-3656 OFFICE/FAX

Green County, Kentucky

True North Point From

Green County

S8120177E

70' x 70'

N8120'17'W

Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on November 15, 2007 using the National Geodetic Survey monument "R 222" and the Kentucky State Plane Coordinat System, South Zone, NAD 1983 (2007). This system is arid north.

Tower Location Information

Designation: Green North Site ID# None Horizontal Datum: NAD 1983 (2007) Latitude: 37°25'41.03" North Longitude: 85°39'31.79" West Vertical Datum: NAVD 1988 Ground Elevation: 961.4 feet (293.04 meters) State Plane Coordinates Northing: 2,039,008.58 feet (621,491.058 meters) Easting: 1,666,889.75 feet (508,069.012 meters)

Owner Information

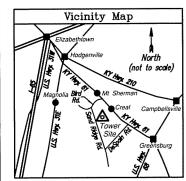
Floyd Evans and Sandra Evans 600 Mt. Sherman-Ward Road Magnolia, Kentucky 42757 Contact Person: Floyd Evans Phone: (270) 325-3054 PVA Map No. 10-34

Project Bench Mark

Northing: 2,039,013 feet (621,492 meters) 1.666.763 feet (508.030 meters) 969.91 feet (295.629 meters) escription: A railroad spike set in the north sid of a utility pole, 12" above grade. The pole is about 125' west of the center of the tower.

Flood Plain Statement

According to the FEMA web site, this is on unmapped area. No flood information is available for the unincorporated areas of Green County, Kentucky. However, a visual inspection of the site would indicate that the subject site does no lie within a flood prone area.



Directions to Site

From the intersection of U.S. Highway 31W and Kentucky Highway 61 on the south side of Elizabethtown, Kentucky: travel southeasterly o Kentucky Highway 61, passing through Hodgenville and Mt. Sherman, for 20.5 miles to Bird Road at the LaRue/Green County Line; turn right onto Bird Road and travel southerly for 0.5 miles to Sand Ridge Road; continue southerly on Sand Ridge Road for 0.8 miles to road in a wooded area.

1. 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

Surveyor's Notes

David Perkins Trust Deed Book 198, Page 250 Plat Cabinet 2, Silde 99

No search of public records has been per-formed by this firm to determine any defects and/or ambiguities in the title of the parent

3. The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the utilities present prior to construction.

4. 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.

is Stone Orie

LaRue County

Access and

Utility Easement

Area

Road

'Ridge,

10

Project Benchman Elev. = 969.91 ft.

5. According to Mary Ann Blaydes Baron, County Judge Executive of Green 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 270–332–4024 for confirmation.

Legend 5/8" Rebor Set Flush With A Survey Cap Inscribed D.L. Helms PLS 3386

P.O.B. of Lease Tract

and Easement

P.O.C. of Lease Tract Southwest corner of the Floyd Evans and Sandra Evans 58.0081—acre tract, as described in Deed Book 216, Page 686.

- 5/8" Rebar Set Flush No Cap
- 3/4" Iron Pipe Found Exposed 30"
- Calculated Position No Monument Found or Set

_	 	Subjec	t	Boundaries	
_	 	Other	В	oundaries	

---- Easement Boundary ---- Right of Way

Ø Utility Pole Light Pole

Floyd Evans and Sandra Evans Deed Book 216, Page 686

Course Table

 Course
 Bearing
 Length

 L1
 N8120'17'W
 25.00'(c)

 L2
 N1332'10'E
 40.00'(c)

 L3
 N1039'35'E
 20.00'(c)

 L4
 N0611'02'E
 20.00'(c)

 L5
 N0022'38'E
 20.39'(c)

 L5
 N0022'38'E
 20.39'(c)

Proposed Self-Support Tower

Ground Elev. = 961.4 ft. or 293.04 m (NAVD 1988)

Lat. = 37"25"41.03" North (NAD 1983) Lon. = 85"39"31.79" West (NAD 1983)

Lease Tract

0.230 Acres or 10,000 Sq.Ft.

No Zoning in Green County

Floyd Evans and Sandra Evans Deed Book 216, Page 686

ά Guy Anchor Ш Telephone Pedesta

(m) (r) Measured Recorded

Calculated

(s)

GRAPHIC SCALE (Df FEET) 1 inch = 30 ft. Contour Interval = 1-foot

Lease Boundary and Easement Description

A tract of land that is located adjacent to the east side of Sand Ridge Road and about 0.8 miles southerly of the intersection of said road with Bird Road in the Mt. Sherman Community of Green County, Kentucky, said tract being described as

COMMENCING AT a 3/4-inch iron pipe found exposed 30 inches at the southwest corner of the Floyd Evans and Sandra Evans 58.0081-acre tract, as described in Deed Book 216, page 686 in the office of the County Clerk of Green County, Kentucky, thence North 01 degree 12 minutes 47 seconds West 460.33 feet to a 5/8-inch rebar set flush with a survey cap inscribed D.L. Helms PLS 3386° (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description: thence North 08 degrees 39 minutes 43 seconds East 100.00 feet to a rebar set flush; thence South 81 degrees 20 minutes 17 seconds East 100.00 feet to a rebar set flush; thence South 88 degrees 20 minutes 17 seconds East 100.00 feet to a rebar set flush; thence South 08 degrees 39 minutes 43 seconds West 100.00 feet to a rebar set flush; thence North 81 degrees 20 minutes 17 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 Sand Ridge Road; said easement being described as follows: BECKINNING AT a 5/8-inch rebar set flush with a survey cap inscribed 1).L. Helms PLS 3386° at the southwest corner of the above-described 0.230-acre lease tract; thence North 81 degrees 20 minutes 17 seconds West 25.00 feet to the eastern boundary of Sand Ridge Road (20 feet from the centerline); thence along said eastern boundary the following four (4) courses: (1) North 13 degrees 32 minutes 10 seconds East 40.00 feet; (2) North 10 degrees 59 minutes 53 seconds East 20.00 feet. (3) North 06 degrees 11 minutes 02 seconds East 20.00 feet and (4) North 00 degrees 22 minutes 38 seconds East 20.39 feet; thence South 81 degrees 20 minutes 17 seconds East 24.59 feet to a 5/8-inch rebar set flush with said Helms survey cap at the northwest corner of the above-described 0.230-acre lease tract; thence South 08 degrees 39 minutes 43 seconds West

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on November 15, 2007 using the National Geodetic Survey manument "R 222". 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 26, 2007. This survey is hereby referenced and made a part of these

SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Floyd Evans and Sandra Evans on October 9, 2006 in Deed Book 216, page 686 in the office of the County Clerk of Green 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 26, 2007 by the method of random traverse with sideshols. The unadjusted precision ratio of the traverse was better than 1:37,400 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.	J

Road Ridge

Kentucky

Magnolia,

Sand 788

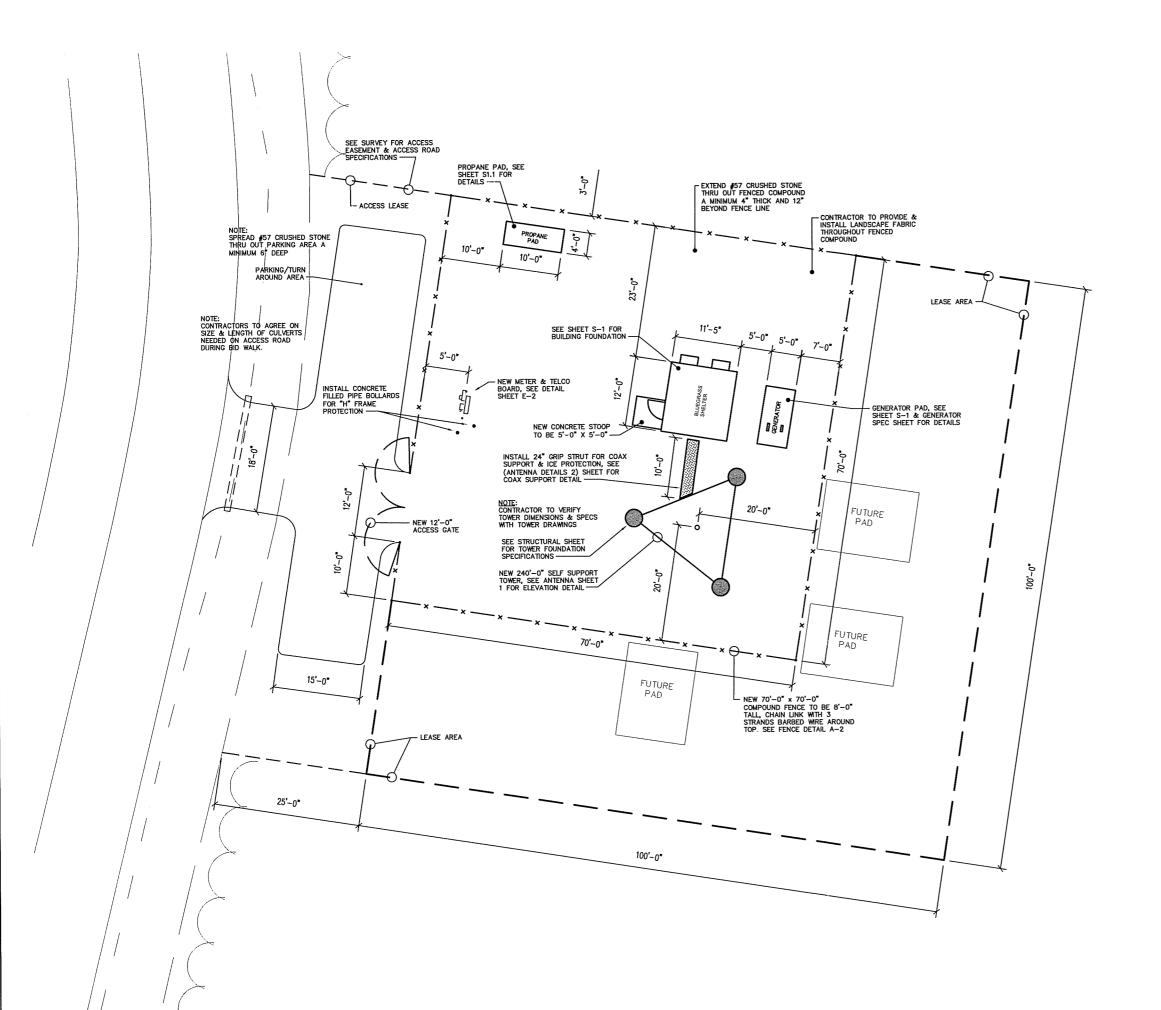
42701 Kentucky Bluegrass 2902 Ring Roa Elizabethtown,

REVISIONS DATE

> SHEET NO. OF 1 SHEETS

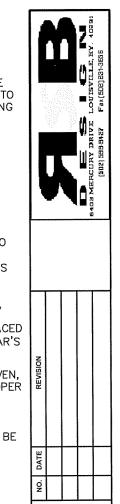
> > FILE NO. green north.dwg

Cellular



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 \$1.1
- 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...



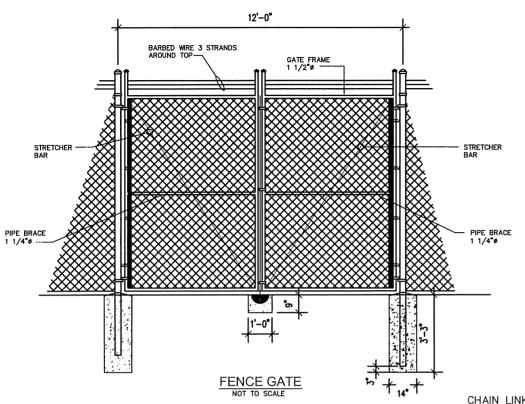
BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE GREEN NORTH 788 SAND RIDGE RD. MAGNOLIA, KY. 42757

PRAWN BY:

R. BECKER
ISSUE DATE:
1-14-08
SCALE:
LISTED

SHEET NUMBER

SITE PLAN
SCALE: 1'-0"



— 1% SLOPE

12'-0"

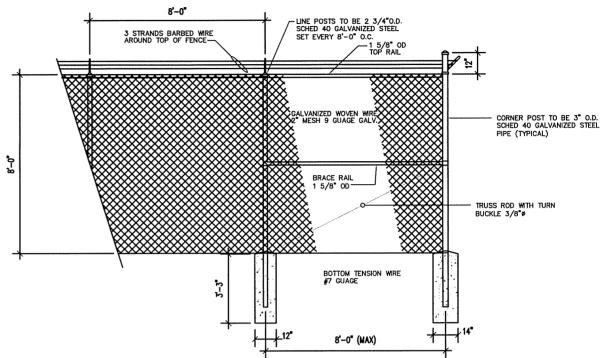
ROAD DETAIL NOT TO SCALE

REMOVE 6" TO 8" OF

TOP SOIL

BASE TO BE 6" TO 8" OF

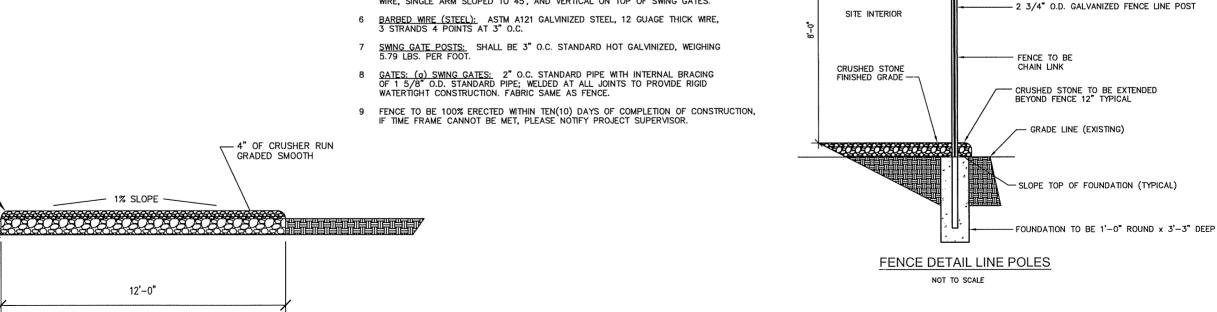
COURSE AGGERGATE -



FENCE DETAIL END POLES NOT TO SCALE

CHAIN LINK FENCING NOTES:

- FABRIC: THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- 2 <u>POSTS:</u> SHALL BE 2 3/4" O.D. SS 40 PIPE HOT GALVINIZED. THESE POSTS SHALL BE SPACED APPROXIMATELY 8'-0" ON CENTERS AND SET FULL 3'-3"IN BELL SHAPED CONCRETE FOOTING, CROWNED AT TOP TO SHED WATER.
- 3 <u>TOP RAIL:</u> SHALL BE 1 5/8" O.C. STANDARD PIPE HOT GALVANIZED AND SHALL BE FURNISHED IN RANDOM LENGTHS AVRERAGING NOT LESS THAN 20".
- FABRIC TIES: FOR ATTACHING FABRIC TO LINE POST, TOP RAIL OR TOP WIRE, SHALL BE ALUMINUM STRIP OF WIRE OF APPROVED GUAGE AND DESIGN. USED ON TOP OF RAIL EVERY 24" AND ONE POST EVERY 12".
- 5 <u>EXTENSION ARMS:</u> CAST STEEL GALVANIZED TO ACCOMODATE 3 STRANDS OF BARB WIRE, SINGLE ARM SLOPED TO 45°, AND VERTICAL ON TOP OF SWING GATES.



BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
GREEN NORTH
788 SAND RIDGE RD. MAGNOLIA, KY. 42757 اغميظ SHEET NUMBER A-2

TYPICAL 3 STRANDS BARBED WIRE

AROUND TOP TO BE 45* ANGLE, EXCEPT AT CORNER POSTS AND GATE,

WHERE BARBED WIRE TO BE VERTICAL.

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.

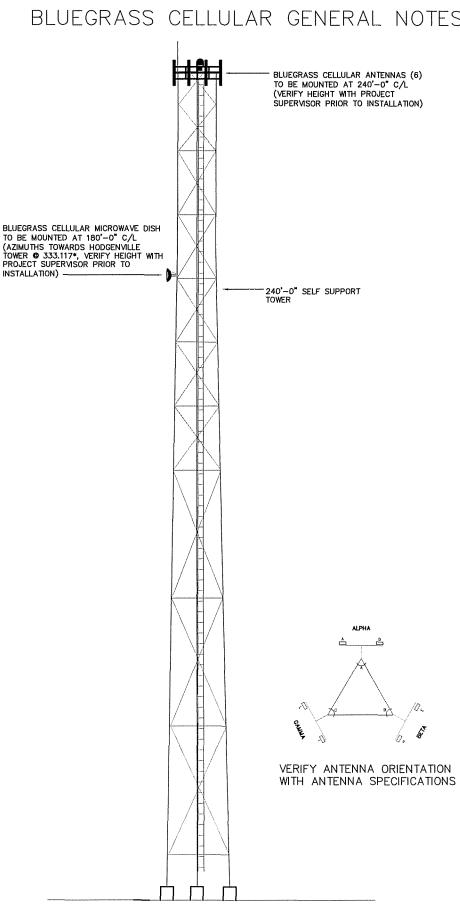
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

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



SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	AP13-880-850D ADT-XP	L=78.6 W=10.3 D=4.6	6	0*, 120*, 240*	240'-0" C/L VERIFY WITH CONSTRUCTION SUPERVISOR
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

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

ANTENNA TRANSMISSION LINES SPECS

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

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1	TPG-QF4-52-N	4'	1	333.117*	180'-0" C/L FIELD VERIFY
DISH #2				153.074*	170'-0" C/L FIELD VERIFY

DISH MOUNT SPECS

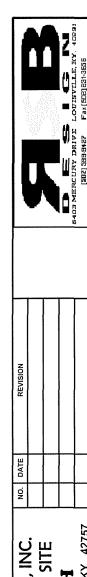
	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1	LDF4.5-50A		1
TRANSMISSION LINE #2			

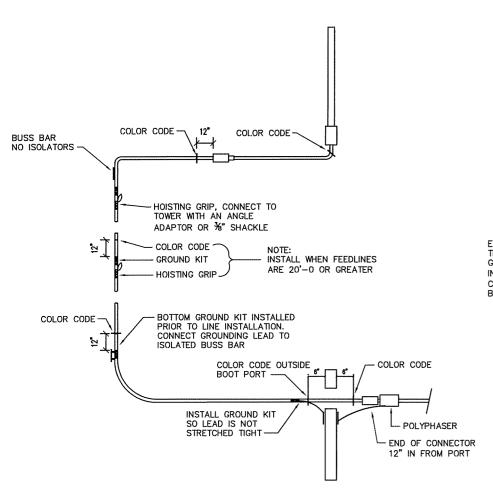
ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 1*E X,Y,Z
- * ANTENNA FREQUENCY 880.00 890.00
- * MICROWAVE DISH OUNTED AT 180'-0" C/L WITH AZIMUTHS @ 333.117*



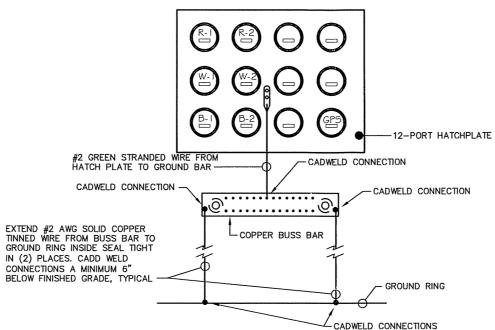
BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE GREEN NORTH
788 SAND RIDGE RD. MAGNOLIA. KY. 42757

ANTENNA DETAILS



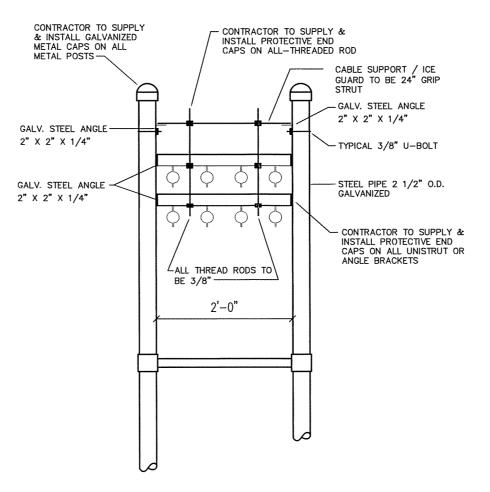
COLOR CODING DETAIL

NO SCALE



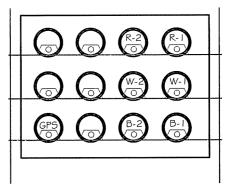
BOOT PORT GROUNDING DETAIL

NO SCALE



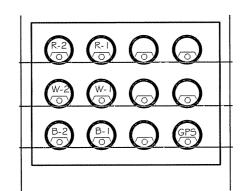
ICE BRIDGE / COAX SUPPORT DETAIL

NO SCALE

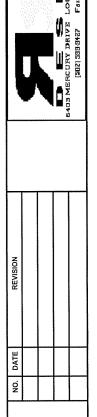


COAX ENTRY DETAIL POWER SIDE (VIEW FROM INSIDE SHELTER)

NO SCALE



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

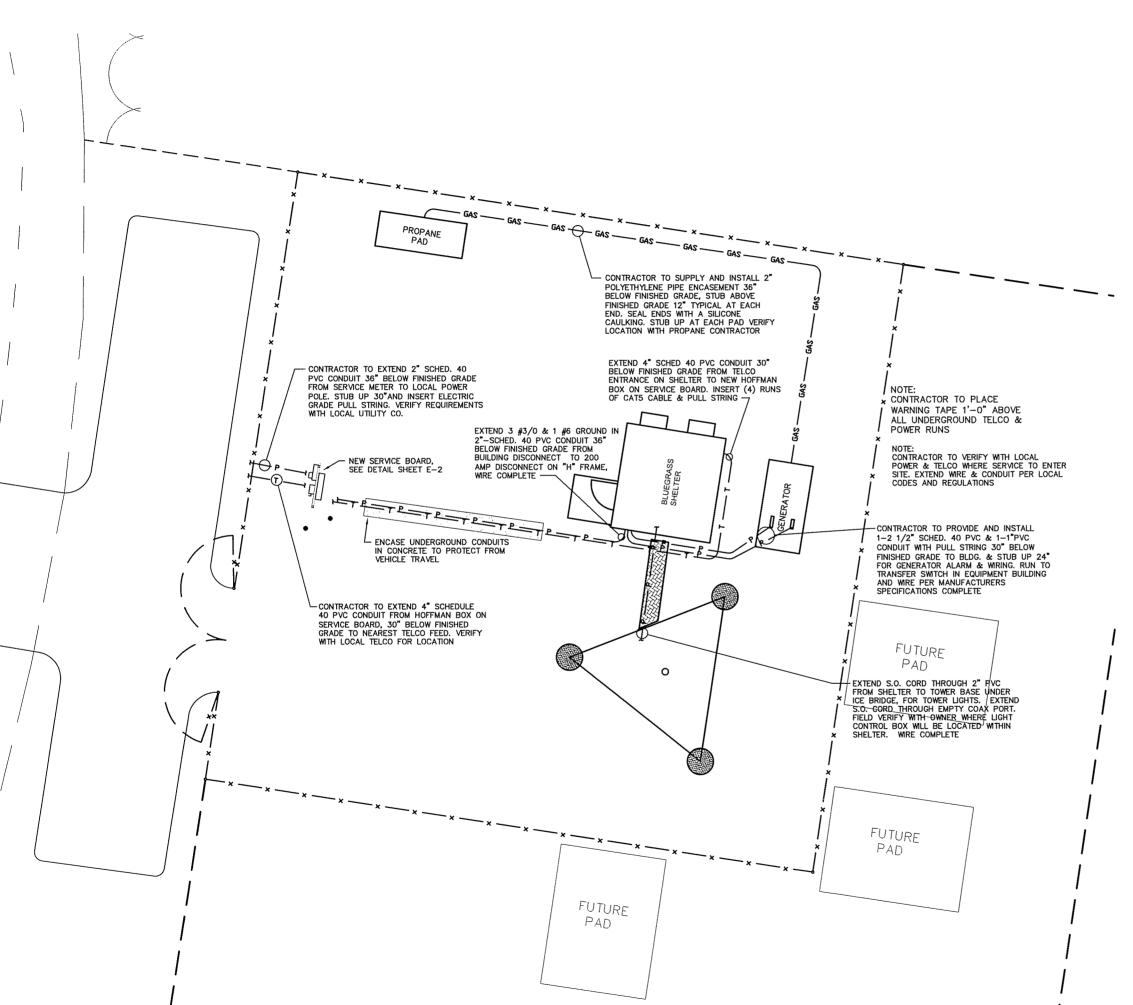


BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
GREEN NORTH
788 SAND RIDGE RD. MAGNOLIA, KY. 42757

RAWN BY:

R. BECKER
SSUE DATE:
1-14-08
CALE:
LISTED

ANTENNA DETAILS 2



GENERAL ELECTRICAL NOTES:

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

NOTE:

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



SITE PLAN- ELECTRICAL

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

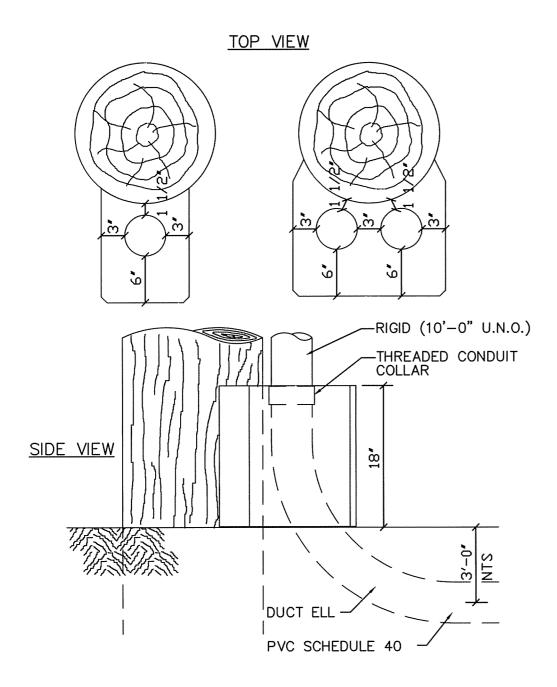


REVISION		
NO. DATE		
NO.		

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
GREEN NORTH

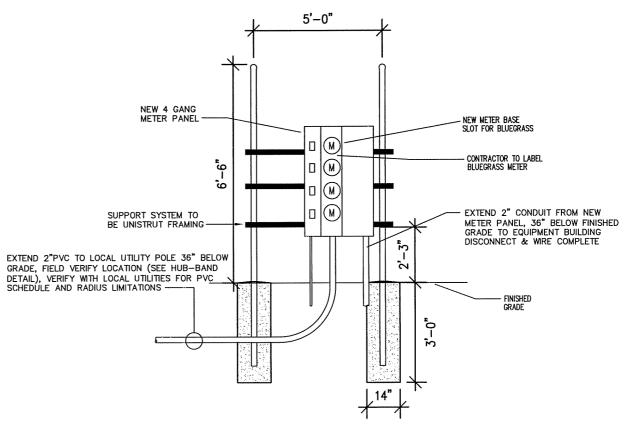
R. BECKER isue date:
1-14-08
CALE:

SHEET NUMBER



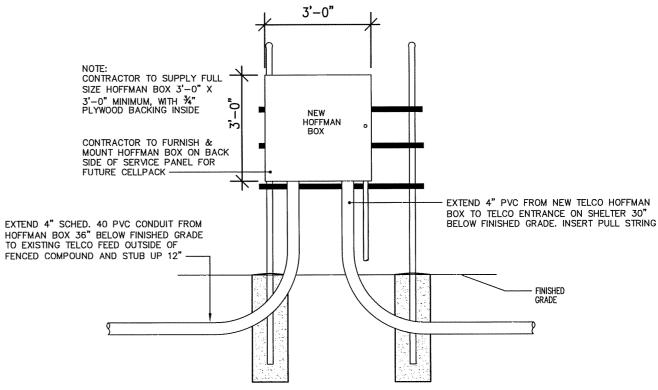
HUB-BAND DETAIL

NO SCALE



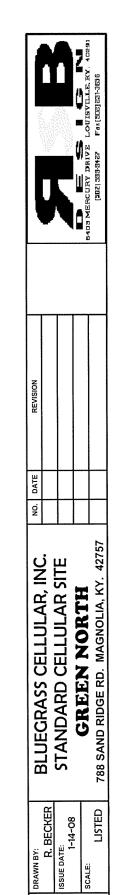
SERVICE BOARD DETAIL

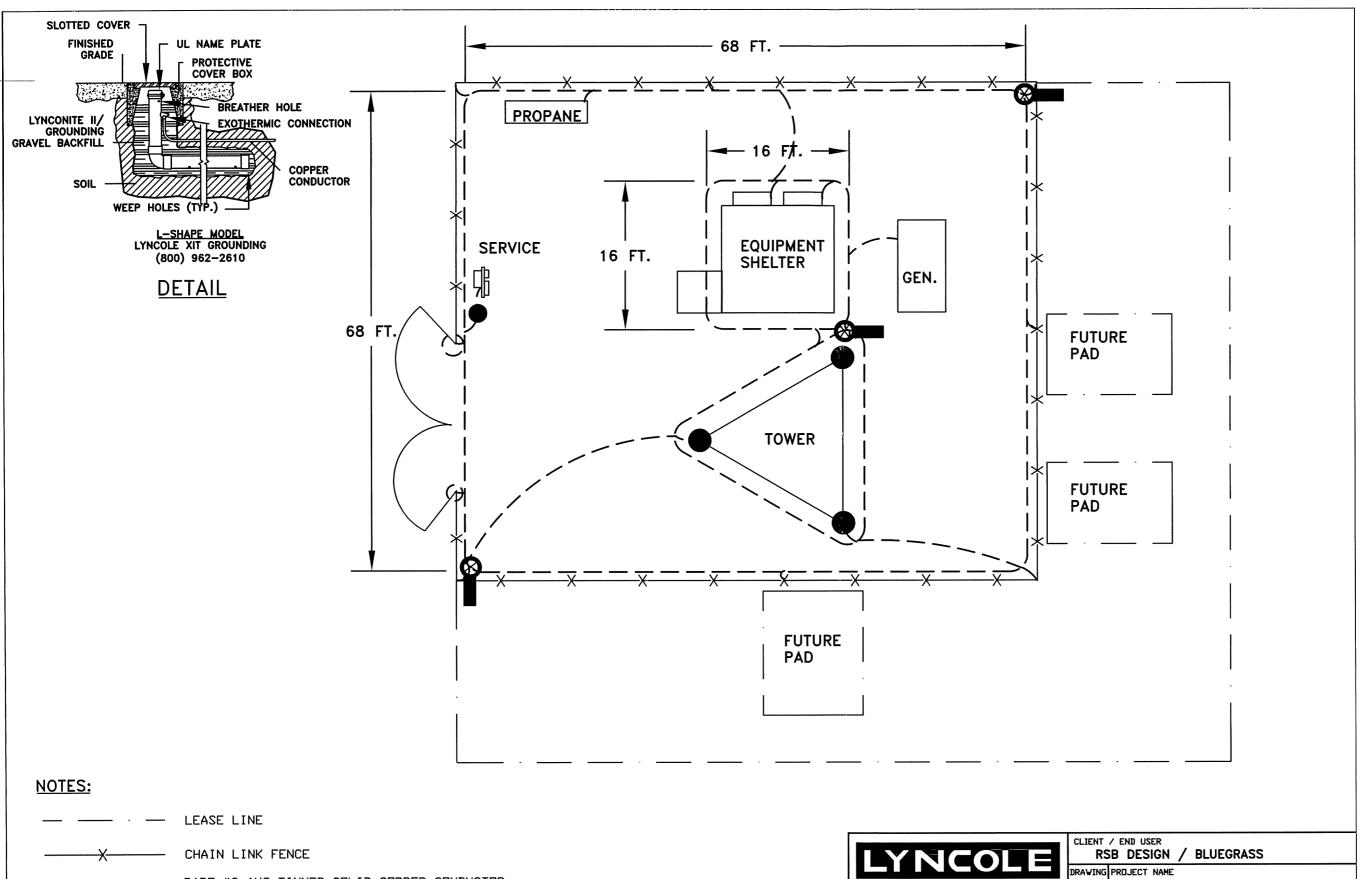
NO SCALE

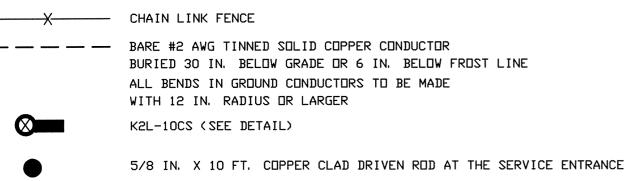


BACKBOARD DETAIL

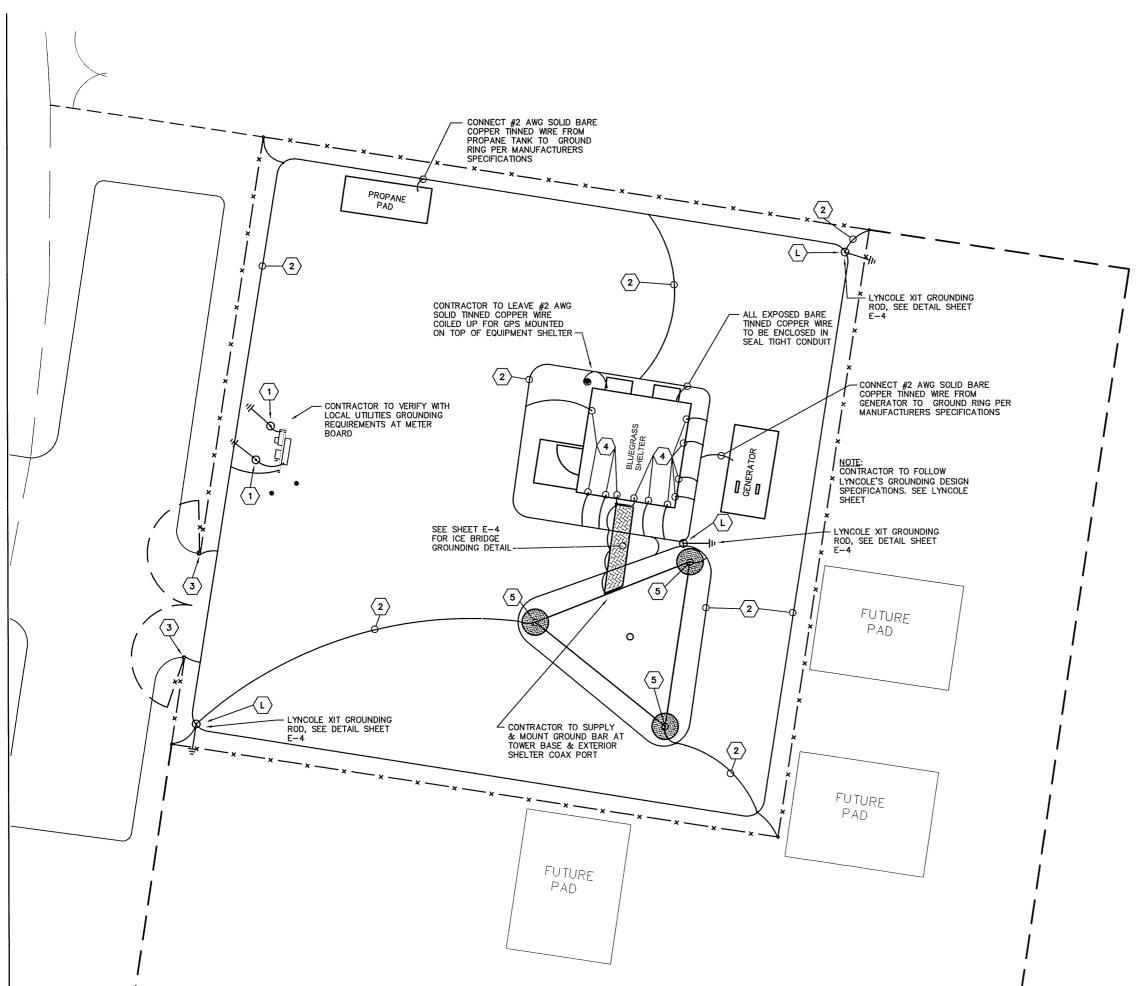
NO SCALE











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. $\label{eq:compound} % \begin{array}{ll} \text{The property of the propert$
- 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.

 $\underline{\text{NOTE}}\colon$ Contractor to follow lyncoles grounding specifications when using their XIT grounding rods. See Detail sheet E=4.

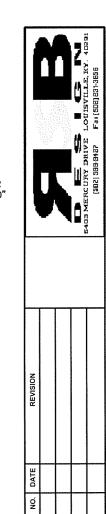
EYNOTES:

- $\begin{tabular}{lllll} \end{tabular} Lyncole xit grounding rod to be installed where shown and to manufacturers specifications. (See Lyncole specifications)$
- 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.
- (B) 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

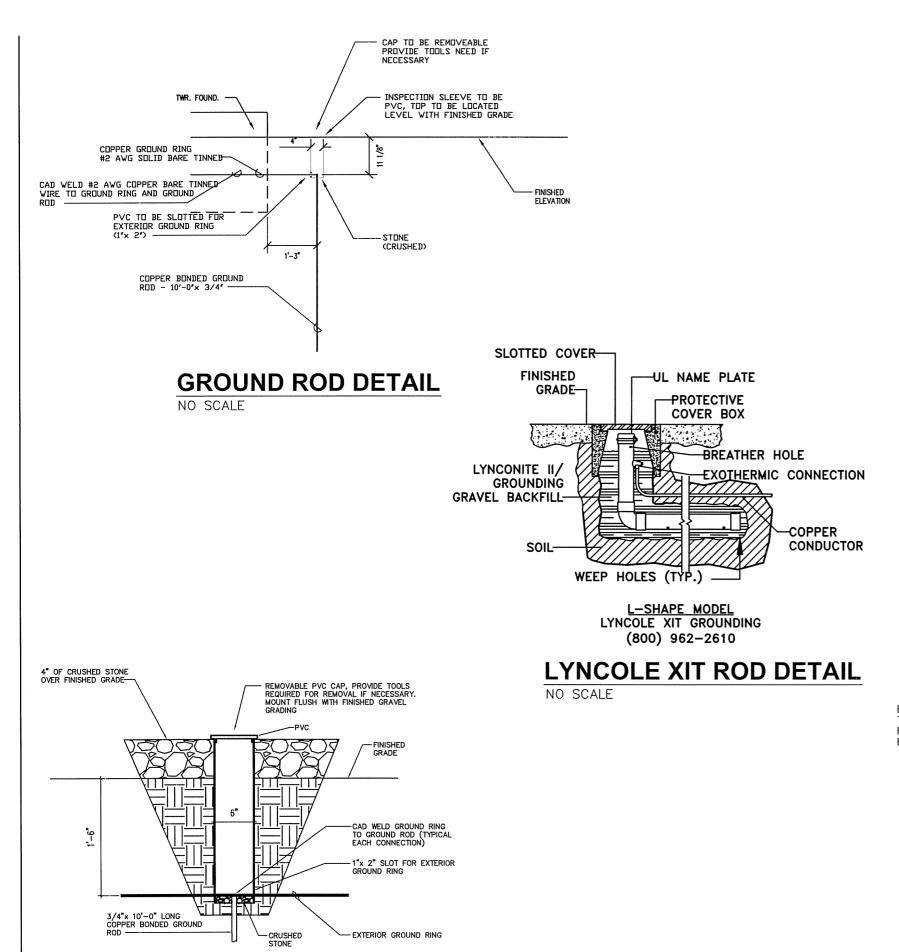
SCALE: 3/32" = 1'-0"

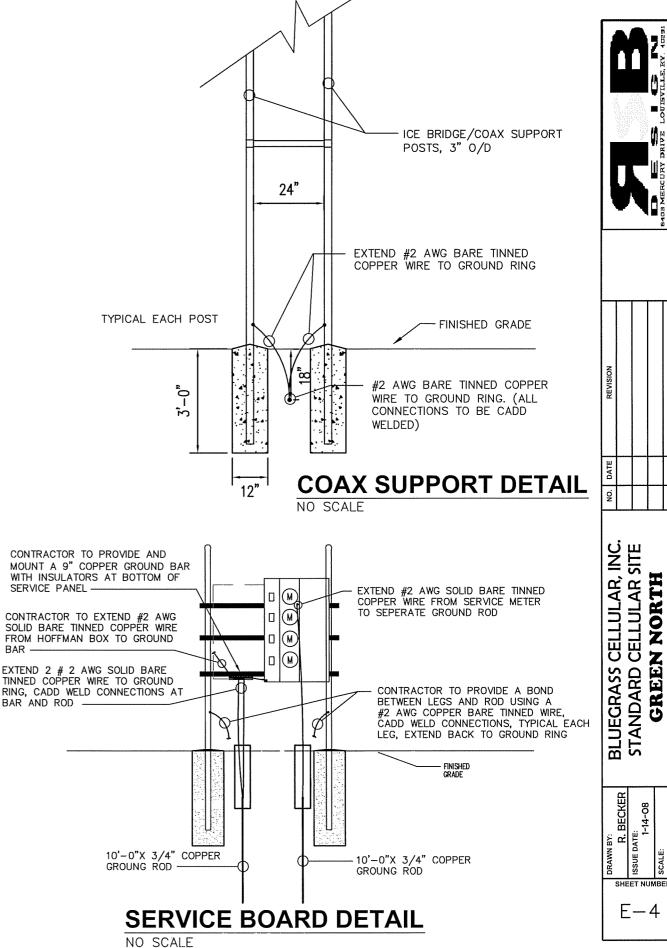


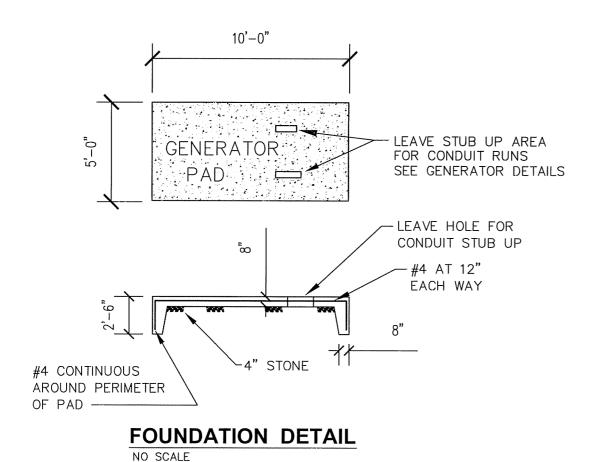
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
GREEN NORTH
88 SAND RIDGE RD. MAGNOLIA, KY. 4275

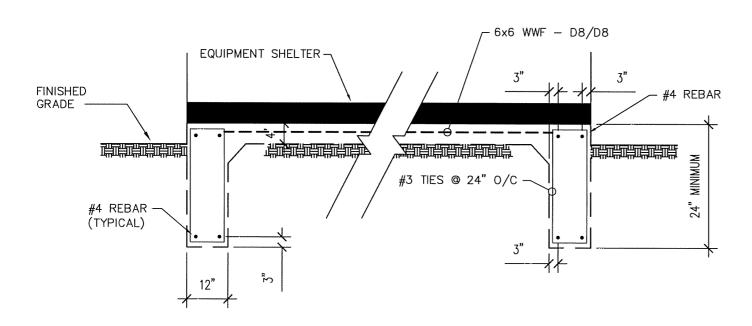
R. BECKER
INE DATE:
1-14-08
ALE:
LISTED

SHEET NUMBER









SHELTER FOUNDATION PLAN NO SCALE

PROPANE
PAD

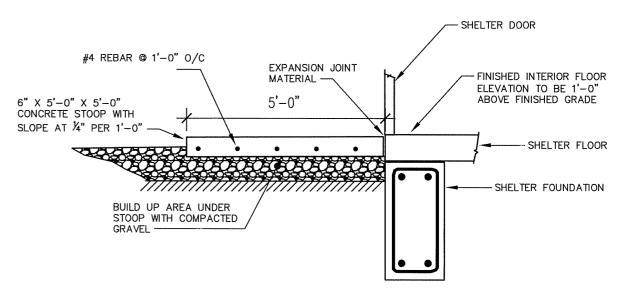
#4 AT 12"
EACH WAY

O'-8"

#4 CONTINUOUS
AROUND PERIMETER
OF PAD

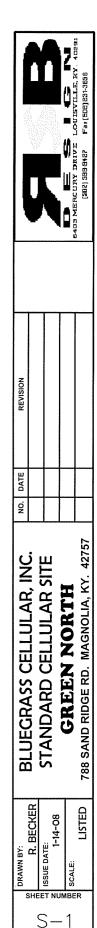
FOUNDATION DETAIL

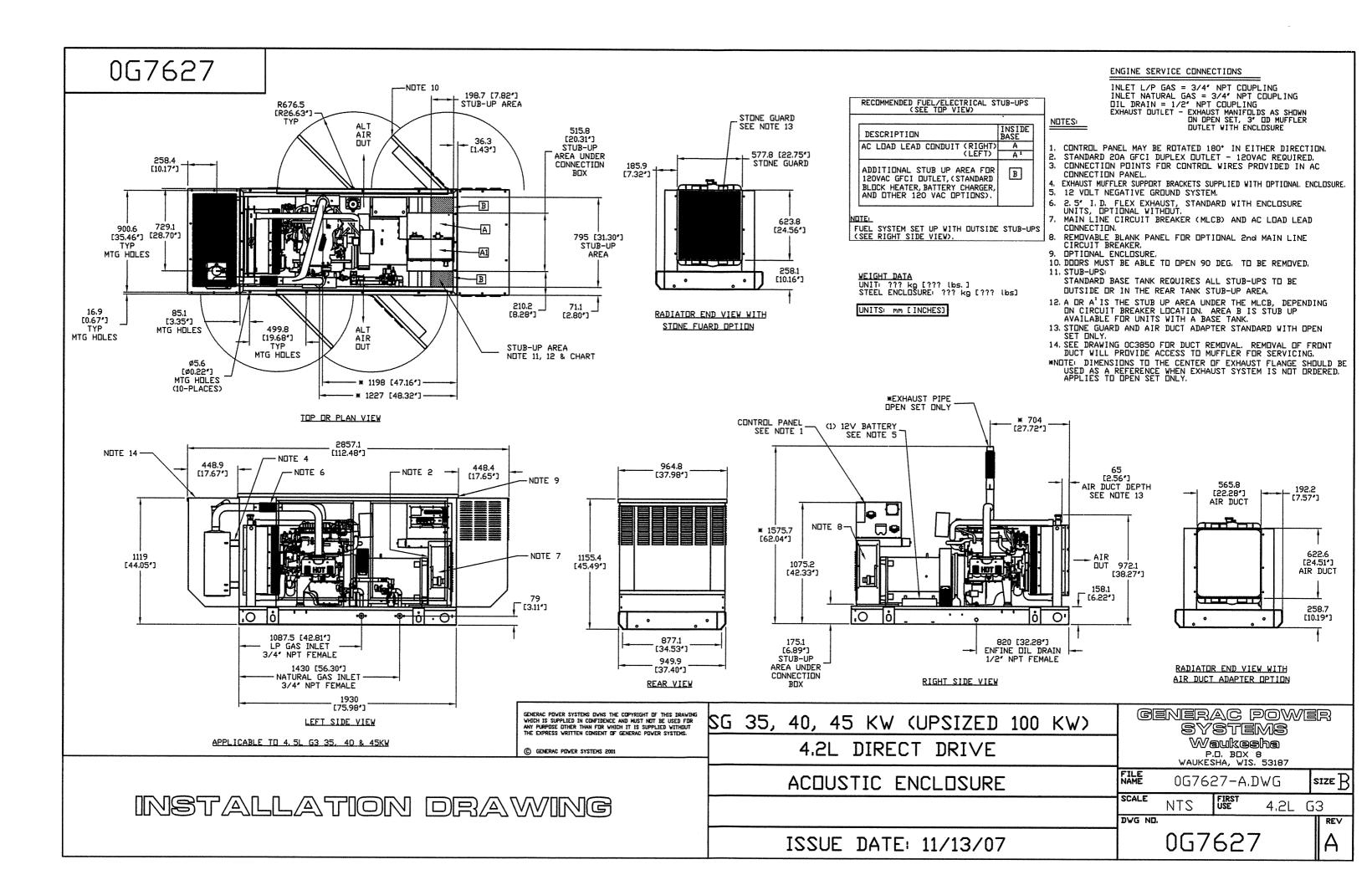
NO SCALE



CONCRETE STOOP DETAIL

NO SCALE





GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS
- 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
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE
- 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
- 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
- \bullet installing exterior light on wall determined by project supervisor and photocell requirements
- * INSTALLING INTRUDER ALARMS
- * CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
- * ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
- * INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
- * INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
- * CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
- * CHECK OPERATION OF INTAKE AND EXHAUST LOUVERS AND ADJUST AS
- * 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
- 21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP.
- 22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.
- 23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- 24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP
- 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 (CATS) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CAT5) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.
- 33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).

GRADING & EXCAVATING NOTES:

- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 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.
- 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
- 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
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
- 7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- 10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)
- 11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

BEFORE YOU DIG"

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

SYMBOLS LEGEND	2
-	KEYNOTE
←	INSPEC. SLEEVE / GRND RO
•	INSPECTION SLEEVE CAD WELD CONNECTION
(,	TRANSFORMER
انا	INANSFORMEN
Ľ A	LIGHTNING SUPPRESSOR
⊏₁	SWITCH (DISCONNECT)
™	METER PACK
Р	POWER
G	GAS LINE
	WATER LINE
SS	SANITARY SEWER
T	TELEPHONE
SSD	STORM SEWER DRAIN
X	FENCE



JEGRASS CELLULAR, INC.
ANDARD CELLULAR SITE
GREEN NORTH
IND RIDGE RD. MAGNOLIA, KY. 4275; BLUEGRASS (STANDARD (

General

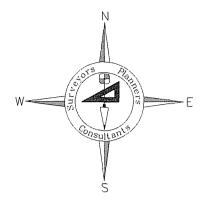
Notes

C

•

Landmark Surveying Co., Inc.

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



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

<u>Directions to the Site</u> From the County Seat of Green County, Kentucky

Green North Site
Green County, Kentucky

From downtown Greensburg, Kentucky: travel north on Kentucky Highway 61 for 16.8 miles to Bird Road at the Green/LaRue County Line; turn left onto Bird Road and travel southerly for 0.5 miles to Sand Ridge Road; continue southerly on Sand Ridge Road for 0.8 miles to the tower site on the left or east side of the road in a wooded area. The address of the site is 788 Sand Ridge Road, Magnolia, KY 42757.

Lauen L. Helmsi	iiiiiii
arren L. Helms, Kentucky Professional Land Surveyor No. 3386	illinii.
	mini

STATE OF KENTUCKY

DARREN L. HELMS

3386

LICENSED

PROFESSIONAL

LAND SURVEYOR

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 4 day of 2004, by and between Floyd Evans and Sandra Evans, husband and wife whose address is 600 Mt. Sherman-Ward Road, Magnolia, KY 42757 (the "Optionor (s)" and Kentucky RSA 4 Cellular General Partnership, d/b/a Bluegrass Cellular, a Kentucky general partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in <u>Green</u> 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.

- 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 21 Mar 27 (the "Option Period") as set forth in Paragraph 5 thereof.
- 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.



14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s)shall be: 600 Mt. Sherman-Ward Rd., Magnolia, KY 42757; 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 Green County, **Kentucky**.

II.

LEASE AGREEMENT

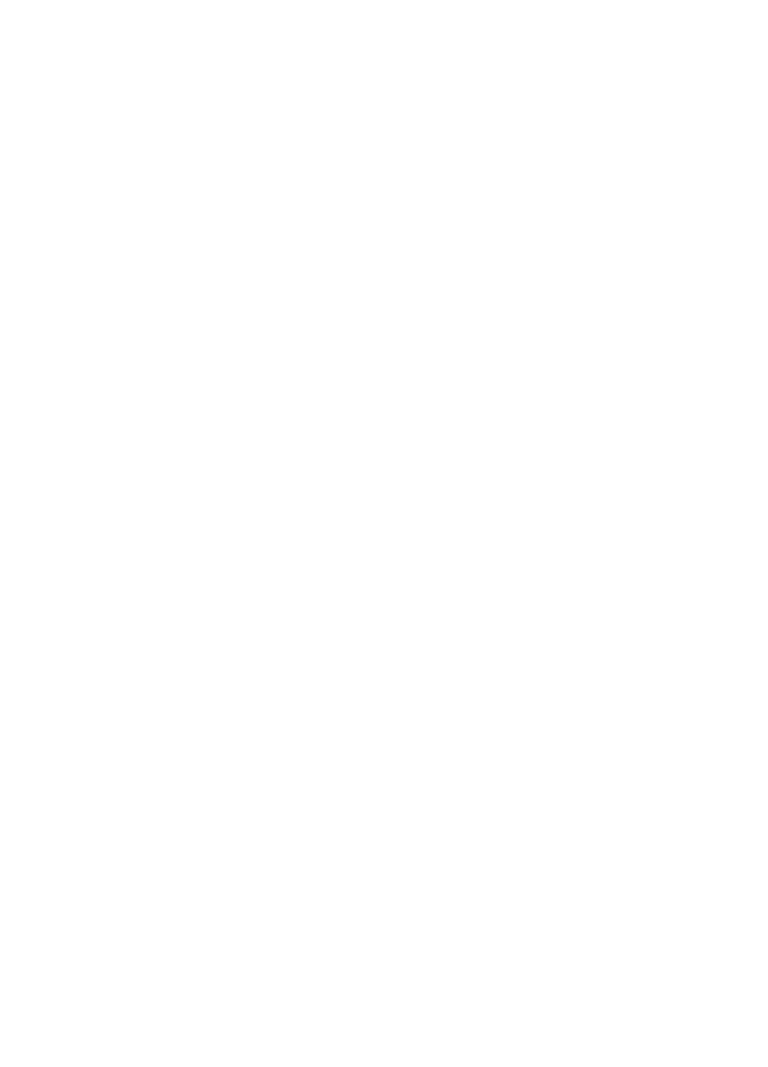
- 16. In the event the Optionee elects to exercise the Option to lease the Property, the terms of the Lease Agreement ("Lease Agreement" or "Lease") shall become immediately effective upon such exercise and shall be as follows.
 - 1. The term of the Lease shall commence on the date that the Optionor(s)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

personally delivered or sent via registered or certified mail, return receipt requested, to 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. <u>Licensee's Payment of Taxes, Fees and Assessments</u>. 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.



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]

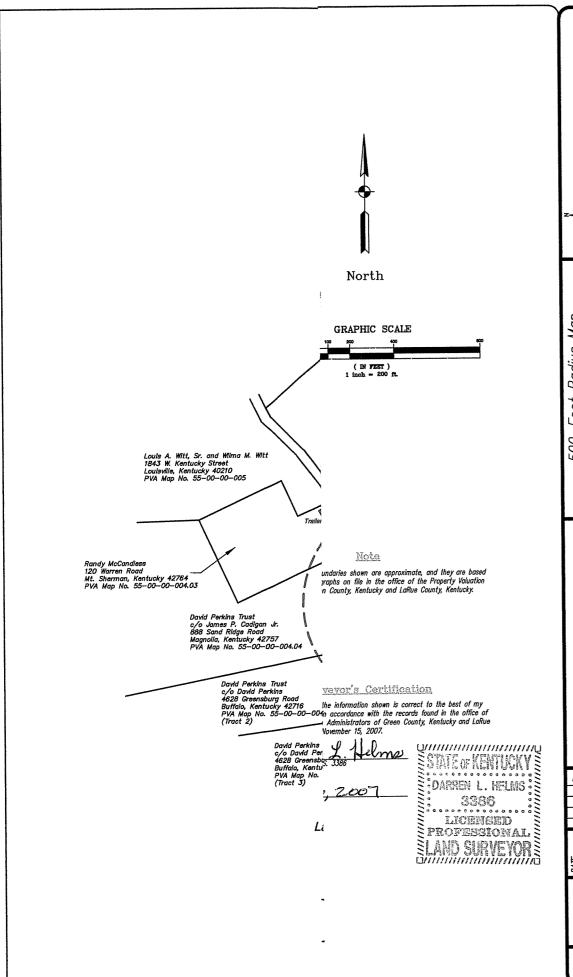


EXECUTION OF AGREEMENT(S)

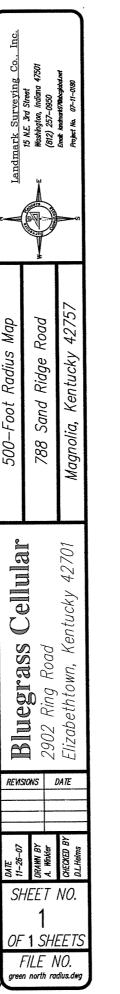
By: Floyd Evans and Sandra Evans Property Owner(s)	Authorized Representative
STATE OF	
COUNTY OF LARGE	
The formation in the contract areas color	nowledged before me this 21 day of Solo lon 2007
2007, by Flyd Evan	to be his/her free act and deed.
2001, by 1 9 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to be mis/ner free act and deed.
	Janus T. Walle
	NOTARY PUBLIC STATE AT LARGE
	My commission expires: 1-25-10
	9

STATE OF		
COUNTY OF Laster		
The foregoing instrument was ackn	owledged before me this <u>w</u> day	of Sopher ,
2007, by SANDAR FLAMS	to be his	her free act and deed.
	Janus T Call	\supset
	NOTARY PUBLIC STATE	AT LARGE
	My commission expires:	1-25-16
STATE OF KENTUCKY		
COUNTY OF HARDIN		
The foregoing instrument was ackn	owledged before me this <u>4</u> day	of Ockber,
200_ 		
	NOTARY PUBLIC STATE	AT LARGE
	My commission expires:	_
This instrument prepared by:		
John I. Selent		
DINSMORE & SHOHL LLP 1400 PNC Plaza		
500 Wes Lefferson Street		
Louisville, KY 40202		
(502) 540-2300		

	5		



Buerrans Road A. Winder B. Cellular A. Winder B. Cellular 788 Sand Ridge Road P. Solutions Map 788 Sand Ridge Road P. Elizabethtown, Kentucky 42701 Magnolia, Kentucky 42757	Landmark Surveying Co., Inc.	15 N.E. 3rd Street Weshington, Indiana 47501 (812) 257-0950	Email kondinats/78bospkod/net S Project No. 07–11–0180
DATE H. 28-07 A. WINNER G. CHECKED BY OLITHINGS DILHGINS Elizabethtown, Kentucky	500—Foot Radius Map	788 Sand Ridge Road	Magnolia, Kentucky 42757
SHEET NO.		Road (Call	wn, Kentu
SHEET NO.	REVIS	SIONS	DATE
SHEET NO.			
1	DATE 11-26-07	DRAWN A. Wink	CHECKED BY D.L.Helms
		1	



COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF KENTUCKY RSA #4 CELLULAR
GENERAL PARTNERSHIP FOR ISSUANCE OF A
CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY TO CONSTRUCT A CELL SITE (GREEN NORTH)
IN RURAL SERVICE AREA #4 (GREEN) OF
THE COMMONWEALTH OF KENTUCKY

AFFIDAVIT OF JOHN E. SELENT

- I, John E. Selent, being duly sworn, depose and state as follows:
- 1. My name is John E. Selent and I am a member of the Kentucky Bar Association.

 I am legal counsel to Kentucky RSA #4 Cellular General Partnership and am submitting this affidavit in conjunction with the above referenced matter.
- 2. In order to demonstrate compliance with 807 KAR 5:063 §1(1)(1) & (m), Exhibit 1 identifies, with the exception of the individuals identified in paragraphs 4 and 5, the names of the residents/tenants and property owners within 500 feet of the proposed tower who have been:

 (i) notified by written notice of the proposed construction, sufficient postage prepaid, by United States Certified Mail, return receipt requested; (ii) given the Commission docket number under which the application will be processed; and (iii) informed of the right to request intervention.
- 3. Attached as Exhibit 2 is a copy of the United States <u>Certified Mail</u> return receipt that demonstrates proof of service of the written notice of the proposed construction upon: (1) Randy McCandless; (2) Joseph and Carolyn Cortez; (3) David Perkins Trust c/o David Perkins; (4) Jerry and Janice Willis; (5) Floyd and Sandra Evans; and (6) David Perkins Trust c/o James Cadigan, Jr.. (See Exhibit 1.)

- 4. Affiant attempted to serve written notice of the proposed construction upon Louis and Wilma Witt (see Exhibit 1) via United States Certified Mail pursuant to 807 KAR 5:063 §1(1)(1) & (m). Service of the written notice of the proposed construction to Louis and Wilma Witt was returned marked "Attempted Not Known." (See Exhibit 3) As of today's date, Louis and Wilma Witt have not been served with written notice of the proposed construction via United States Certified Mail pursuant to 807 KAR 5:063 §1(1)(1) & (m). Therefore, another copy of the written notice of proposed construction was sent to Louis and Wilma Witt via United States First Class Mail.
- 5. Affiant attempted to serve written notice of the proposed construction upon Robert Coyer and Robert Gibson (see Exhibit 1) via United States <u>Certified Mail</u> pursuant to 807 KAR 5:063 §1(1)(l) & (m). Service of the written notice of the proposed construction to Robert Coyer and Robert Gibson was returned marked "Return to Sender Unclaimed Unable to Forward". (See Exhibit 4) As of today's date, Robert Coyer and Robert Gibson have not been served with written notice of the proposed construction via United States <u>Certified Mail</u> pursuant to 807 KAR 5:063 §1(1)(l) & (m). Therefore, another copy of the written notice of proposed construction was sent to Robert Coyer and Robert Gibson via United States <u>First Class Mail</u>.

Further Affiant saith not.

John E Selent

COMMONWEALTH OF KENTUCKY

COUNTY OF JEFFERSON

SUBSCRIBED AND SWORN to before me this 24th day of January, 2008

My commission expires:

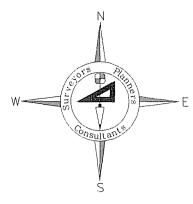
128551_1 21964-20

Louis		
63		
ilma		
ouis		
er		
United		
to 807		
Robert		
peen		
ırsuant		
eed		
<u>il.</u>		
r		



Landmark Surveying Co., Inc.

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



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

Landowner and Adjacent Landowner List

Bluegrass Cellular Green North Site Green County, Kentucky

Louis A. Witt, Sr. and Wilma M. Witt 1843 W. Kentucky Street Louisville, KY 40210

Randy McCandless 120 Warren Road Mt. Sherman, KY 42764

David Perkins Trust c/o James P. Cadigan, Jr. 888 Sand Ridge Road Magnolia, KY 42757

David Perkins Trust c/o David Perkins 4628 Greensburg Road Buffalo, KY 42716 Jerry K. Willis and Janice M. Willis 263 S. Saint Gregory Church Road Coxs Creek, KY 40013

Joseph W. Cortez, Jr. and Carolyn Cortez 14899 Hodgenville Road Mt. Sherman, KY 42764

Robert P. Coyer and Robert Gibson 15063 Hodgenville Road Mt. Sherman, KY 42764

Floyd Evans and Sandra Evans 600 Mt. Sherman-Ward Road Magnolia, KY 42757

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

Nov. 26, 2007
Date



Floyd and Sandra Evans 600 Mt. Sherman-Ward Road Magnolia, Kentucky 42757

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Signature X. Landa L. Evan DAddressee
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.	B. Received by (Printed Name) C. Date of Delivery
Article Addressed to: Article Addre	D. Is delivery address different from item 1?
Floydd Sandra Evans	
600 M.f. Sherman-Ward Roll	
Magnolia, KY 42757	3. Service Type □ Certified Mail □ Express Mail □ Registered □ Return Receipt for Merchandise □ Insured Mail □ C.O.D.
	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Artic (Tran	
PS For	02595-02-M-1540

Joseph W. Cortez, Jr. and Carolyn Cortez 14899 Hodgenville Road Mt. Sherman, Kentucky 42764

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Toscyh Correz, Jr. + Cavolyn Correz 14899 Hodsenville Rd.	A. Signature X. Agent Agent
Mt. Sherman, KY 42764	3. Service Type Description Mail
	4. Restricted Delivery? (Extra Fee) ☐ Yes
Article Number (Transfer from service label) 7007	2560 0001 2145 5782
PS Form 3811 February 2004 Domestic	Return Receipt 102595-02-M-15

Jerry K. and Janice M. Williss 263 S. Saint Gregory Church Road Coxs Creek, Kentucky 40013

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Terry K. A Janice Willis 263 5. Saint Grezory Church Kol.	A. Signature Agent Addressee B. Received by (Printed Name) C. Date of Delivery
COXS Creek, Kentucky 40013	Service-Type Certified Mail □ Express Mail Registered □ Return Receipt for Merchandise Insured Mail □ C.O.D. 4. Restricted Delivery? (Extra Fee) □ Yes
2. Article Number 7007 25 (Transfer from service label)	PO 0007 5742 2242
PS Form 3811 February 2004 Domestic Re	turn Receipt 102595-02-M-154

David Perkins Trust C/O David Perkins 4628 Greensburg Road Buffalo, Kentucky 42716

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 in your correspondence.

SENDER: COMPLETE THIS SE	CTION	COMPLETE THIS SECTION ON DELIVERY
© Complete items 1, 2, and 3. Al item 4 if Restricted Delivery is Print your name and address a so that we can return the card Attach this card to the back of or on the front if space permits 1. Article Addressed to: Divid Perkins Trues CD David Perkins	desired. on the reverse to you. the mailpiece, s.	A. Signature X
4628 Greensburg Buffalo, Kentuch	Rd. 1 42716	3. Service Type
Article Number (Transfer from service label)	7007 2561	0 0001 2145 5553
PS Form 3811, February 2004	Domestic Ref	turn Receipt 102595-02-M-154

David Perkins Trust C/O James P. Cadigan, Jr. 888 Sand Ridge Road Magnolia, Kentucky 42757

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 in your correspondence.

	CONSTRUCTOR OF STATE		
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Signature X Many P Colony □ Agent X Addressee		
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.	B. Received by (Printed Name) C. Date of Delivery Company 12-10-07		
1. Article Addressed to: David Perkinstrust Clo James Cadisan, Jr.	D. Is delivery address different from item 1? 区Yes If YES, enter delivery address below: 口 No		
888 sand Ridge Rd. Magnolia, KY 42757	3. Service Type ———————————————————————————————————		
	4. Restricted Delivery? (Extra Fee) ☐ Yes		
2. Article Number 7007 256	0 0001 2145 5744		

Randy McCandless 120 Warren Road Mt. Sherman, Kentucky 42764

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
© Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. © Print your name and address on the reverse so that we can return the card to you. © Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Randy MC Land (e S S 1 20 Warren Road	A. Signature X Rg Nd y Mc (Qualled Agent X Rg Nd y Mc (Qualled Addressee B. Received by (Printed Name) C. Date of Delivery D. Is delivery address different from item 1? Yes If YES, enter delivery address below:		
Mt. Sherman, KY 42764	3. Service Type Certified Mail		
2. Article Number 7007 25	560 0001 2145 5560		
PS Form 3811, February 2004 Domestic F	Return Receipt 102595-02-M-154		

December 6, 2007

Louis A. Witt, Sr. and Wilma M. Witt 1843 W. Kentucky Street Louisville, Kentucky 40210

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 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)

00 PNC Plaza, 500 West Jefferson Street uisville, KY 40202

Dinsmore Shohl LLP

ANK 1042 ANK 1042

CERTIFIED WAIL MSVILLE KY 402 7007 2560 0001 2145 5799

Louis A. Witt, Sr. and Wilma M. Witt 1843 W. Kentucky Street Louisville, Kentucky 40210

4021041351	hidhaabhallhaallabhallabhall

December 6, 2007

Robert P. Coyer and Robert Gibson 15063 Hodgenville Road Mt. Sherman, Kentucky 42764

Public Notice

Kentucky RSA #4 Cellular General 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.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 788 Sand Ridge Road, Magnolia, Kentucky 42757. A map showing the location is attached.

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

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

Please refer to case number 2007-00500 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)

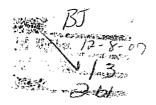
D PNC Plaza, 500 West Jefferson Street sville, KY 40202







Robert P. Coyer and Robert Gibson 15063 Hodgenville Road Mt. Sherman, Kentucky 42764



NIXIE

421 8E 1 25 12/30/07

RETURN TO SENDER UNCLAIMED UNABLE TO FORWARD

: 40202281050

*2470-15145-06-37

42754455757



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

January 24, 2007

Via Certified Mail Green County Judge Executive Courthouse 203 West Court Street Greensburg, Kentucky 42743

> RE: Public Notice - Public Service Commission of Kentucky Case No. 2007-00500

Kentucky RSA #4 Cellular General Partnership is a Kentucky General Partnership that markets its services as Bluegrass Cellular. Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #4 in Green County. The facility will include a 240 ft. tower and an equipment shelter to be located at 788 Sand Ridge Road, Magnolia, Kentucky, 42757. A map showing the location of the proposed new facility is enclosed.

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

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2007-00500 in your correspondence.

Very truly yours,

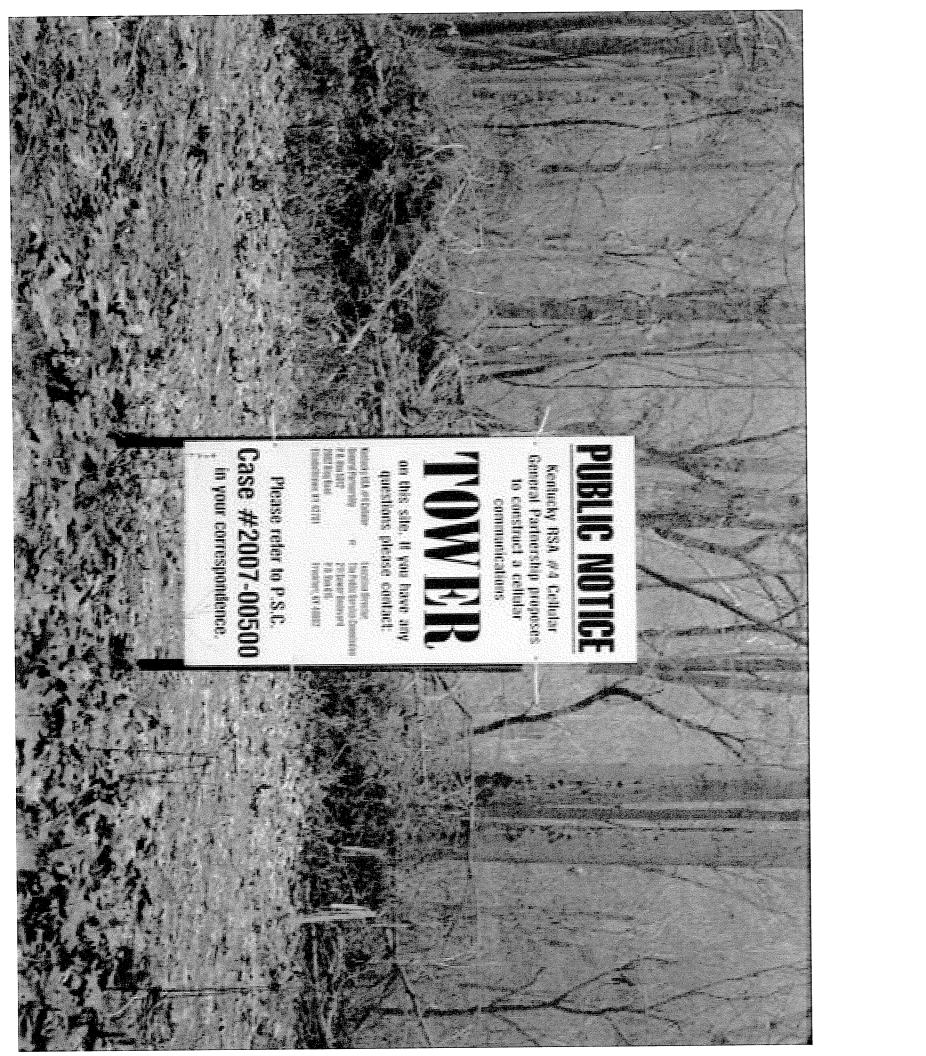
DINSMORE & SHOHL LLP

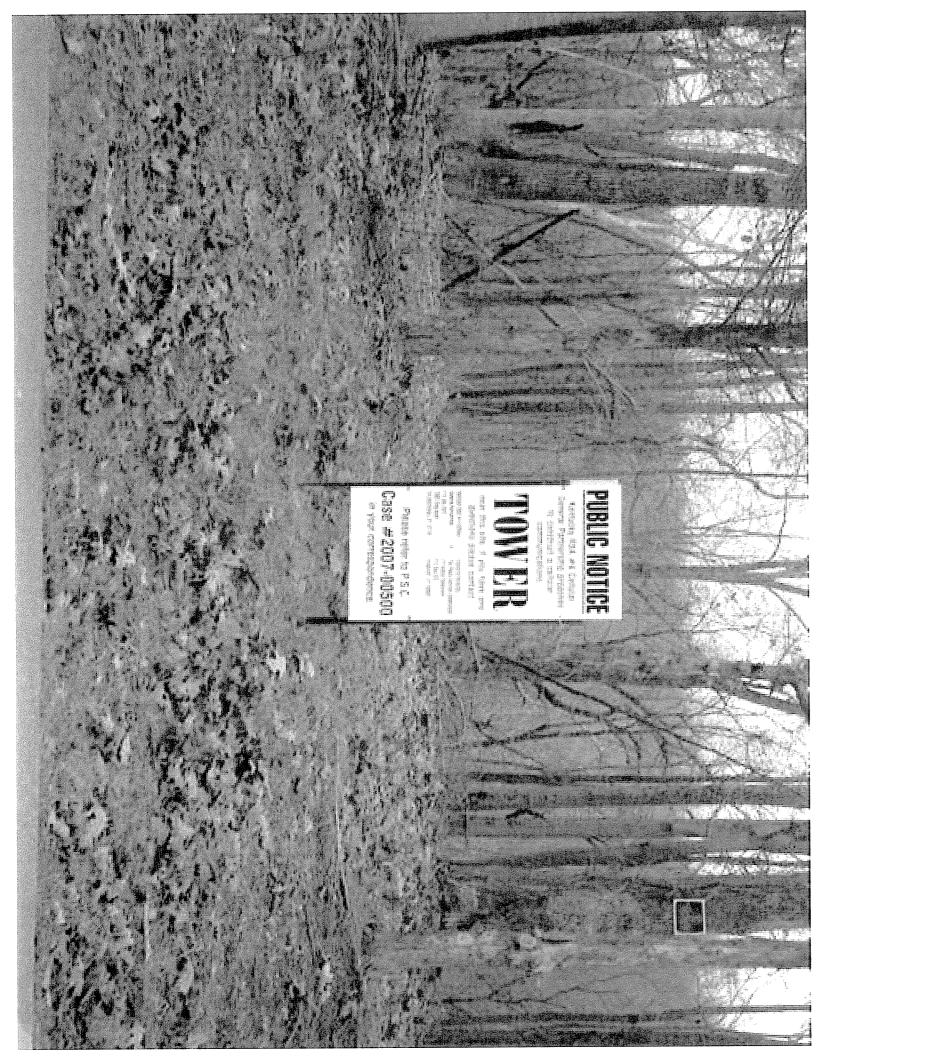
enclosure

kwi

1400 PNC Plaza, 500 West Jefferson Street Louisville, KY 40202 502 540.2300 502.585 2207 fax www.dinslaw.com

COMPLETE THIS SECTION ON DELIVERY
A. Signature A. Signature A. Signature A. Agent Addressee B. Received by (Printed Name) C. Date of Delivery L2/7/=7 D. Is delivery address different from item 1? Yes If YES, enter delivery address below:
☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes
60 0001 2145 5751





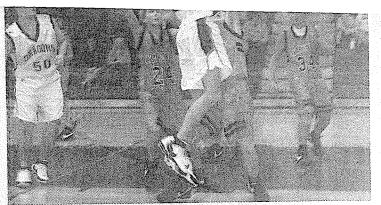




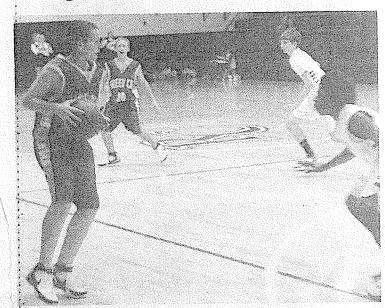
AFFIDAVIT OF PUBLICATION

Before me, a Notary Public, personally appeared
who certifies that any and all advertising material for Dinsmored Shoul appeared in the Greensburg Record-Herald on the
date(s): $\frac{12 12 07}{4}$ $\frac{12 19 07}{4}$
Vana Hagy Signature
Office Manager Office assistant Title
State of Kentucky County of Green
Sworn to and subscribed before me on the day of and, 2008.
Notary Public
My Commission Expires





Cody Houchens put up this close-in shot against Grayson County in Saturday's tournament play at Bowling Green. The Dragons led early before falling by a score of 21-28.



Seventh grade guard Brennen Milby looks for GCMS teaminate Austin Lowe breaking for the basket on this play. Lowe tied with Koty Cruse and Seth Hedgespeth for Dragon scoring honors against Russell County with four points apiece.

Notice

Kentucky RSA # 4 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a certificate of public convenience and necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area # 4 of the Commonwealth of Kentucky (Green North Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 788 Sand Ridge Road, Magnolia, Kentucky, 42757. Your comments and requests for interventions should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2007-00500 in your correspondence.

School Dragons participated in last Saturday's Warren East Middle School Basket ball Tournament in Bowling Green. The seventh graders picked up a 34-17 win over Daviess County but los twice to Bowling Green Their defeats were by score of 25-46 and 22-36.

The eighth grade Drag ons opened tournament pla with a 37-27 win over Bow ing Green before losing 28-2 to Grayson County. They go knocked out of the double elimination tournament k the same Bowling Greeteam that they had prevously beaten. The Purplegot a 53-32 win over GreeCounty in their second meeing of the day. None of the tournament games affect conference standings.

VI Residentia

269 HEATHERTON CIR 3 BR., 2.5 Bath, on 6 acres m/l, 2046 so basement, REDUCED \$ 208

1525 RALPH VAUGHN 4 BR., 2 bath on 2 acres, // overlooking buildings, additional acreage available

493 PLEASANT RUN CHU 3 BR., 2 bath on 2 lots, 24X56 shop wit \$239,000.

51 WESLEY DRIVI 3 BR., 2 bath brick, partial bsmt., above grour

LOT #74 WG PENDING
3 BR., 2 bath, p. call for pro-

Lot #69 124 Woodso
NEW HOME FOR NEW YEARS! Mak
Resolution to stop renting and own you
the same monthly payment! 3 bedroor
driveway. Pick your custom colors w
\$106,900

Lot #70 122 Woodsor
WHAT A CHRSITMAS PRESENT! Bra
construction, conveniently located to s
feet featuring 3 bedrooms, 2 bath, or
carport, and priced to make anyone's f
at only \$115,000. Buy now and pick o
cabinets.

Commerc

EAST COLUMBIA A' 50x60 building with electric, water,gas 1 bath. REDUCED \$6

ural address in its entirety

o that every family can proide their children the care hey deserve, and so that no enior need go without the nedications they need.

We must address these hallenges if we are to preerve and protect our qualiy of life and build the future hat we all hope for.

A future where our chillren don't need to move way to find good-paying obs with benefits;

A future where new ideas will create new opportuniies and new industries; A future where Kentucky s competing not just with our neighbors, but with the world.

I see Kentucky as one big family. We may have our disagreements, but we share the same values and we want what's best for our thildren and our grandchillren. And we want to keep our families together.

Wouldn't it be something f we could build a Kentucky hat our children would not want to leave and that would attract many others because of the opportunity we would offer them here?

The Bible states, in Jere-

"So there is hope for your future," declares the Lord. "Your children will return to their own land."

be something!

time to put aside our preconceived notions and our ideologies.

Instead, let us strive to

ffordable for all our people miah, chapter 31, verse 17: work with those who differ with us and forge new alliances. Let us consider new ideas and revisit old ones. Let us demand excellence That, my friends, would and honesty. And let us listen. For if we listen, we will This inauguration is a never forget why we're here new beginning. Now is the or who we're here to serve.

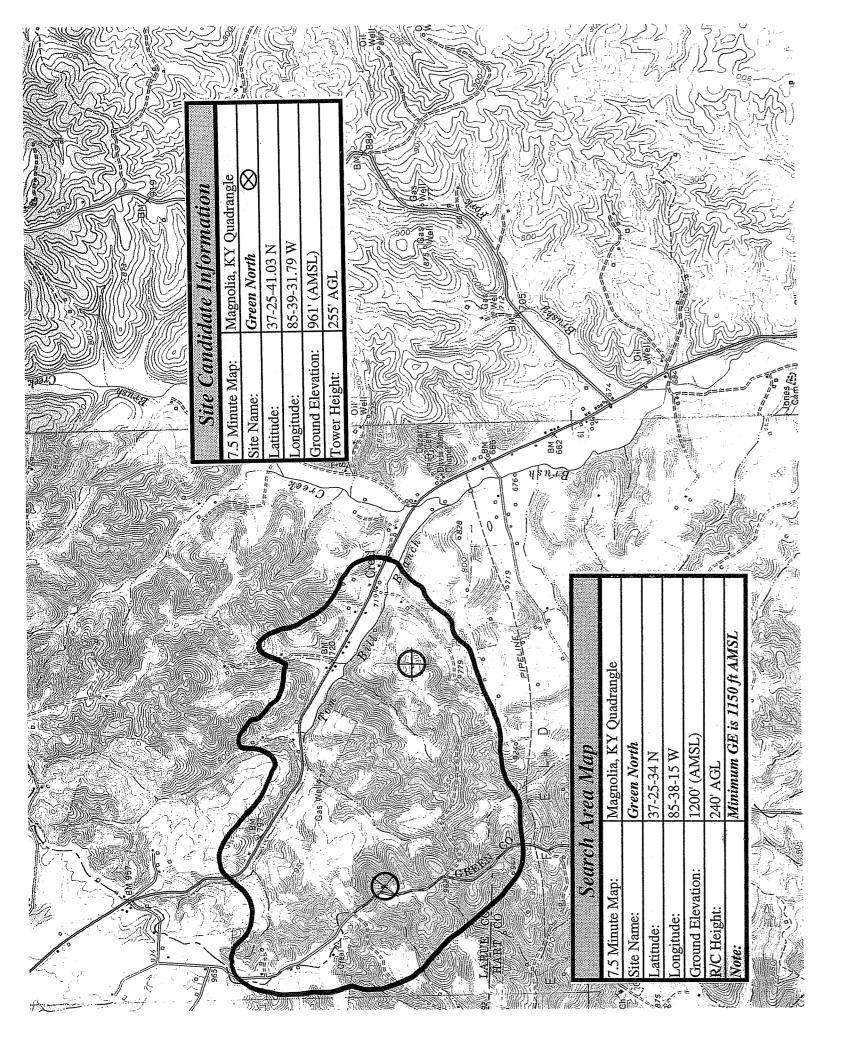
> I will never forget that I serve the people of the Commonwealth of Kentucky.

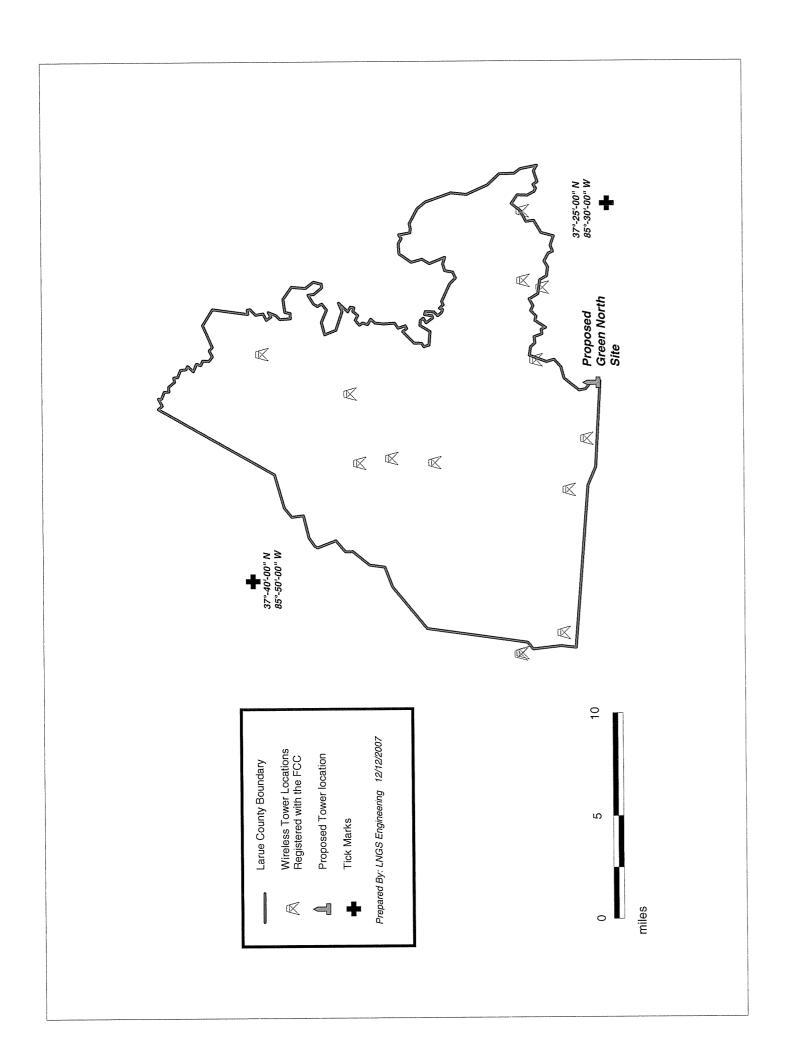
Thank you. God bless.

Notice

Kentucky RSA # 4 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a certificate of public convenience and necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area # 4 of the Commonwealth of Kentucky (Green North Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 788 Sand Ridge Road, Magnolia, Kentucky, 42757. Your comments and requests for interventions should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2007-00500 in your correspondence.







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

FCC Tower					
Reg. No.	Nearest City	State	North Lat.	West Lon.	Tower Owner
1002720	Upton	KY	37-28-39	85-53-52	Global Iower, LLC
104223	Hodgenville	KY	37-28-0	85-38-19	Global Tower, LLC
1042224	Buffalo	ΚX	37-28-31.7	85-34-5.2	American Towers, Inc.
1043453	Dulland	ΚΥ	37-28-32.2	85-30-23.9	EAST KENTUCKY POWER COOPERATIVE, INC
1044510	Tlaton	××	37-26-54	85-52-48	KENTUCKY RSA 4 CELLULAR GENERAL PAR INERSHIP
1060580	Opton		27 25 21	05 10 1	Global Tower. LLC
1063508	White City	ΚΥ	37-33-31	4-04-60	
1200102	Unton	KY	37-28-43	85-53-55.8	Crown Communication Inc.
1200172	Cotton	ΚŸ	37-27-43.2	85-34-27.8	Kentucky RSA 4 Cellular General Partnership u/0/a Diucgiass Canalan
177177	Tit. 1	> >	27-24-62	85-43-30.9	SBA Tower, Inc
1233023	Hodgenville			L 73 LC 30	Ventucky RSA 4 Cellular General Partnership
1239887	New Haven	KY	37-39-32.5	83-37-30.7	Molituday Molita Contains
1247273	Magnolia	KY	37-25-53.2	85-42-29.9	Louisville Gas and Electric
12/42/87	Hodgenville	KY	37-35-27	85-43-45.2	Ubiquitel Leasing Company
1240207	Hodoenville	KŸ	37-32-17.8	85-43-44.5	Kentucky RSA 4 Cellular General Partnership
1254845	Magnolia	KY	37-26-38.8	85-45-12.8	Kentucky RSA 4 Cellular General Partnersnip
1274045	and				

Prepared By: LNGS Engineering

December 12, 2007

Page 1 of 1