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JUN 23 2006

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2006-00201

**APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY (LAKE CUMBERLAND DAM)**

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

1. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Cumberland Cellular states that it is a Kentucky limited liability company whose full name and post office address are: Cumberland Cellular Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701.
2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant's applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit "A". Written authorizations from these agencies will be supplied to the Commission upon their approval.
3. Pursuant to 807 KAR 5:063 §1(1)(d), applicant is submitting as Exhibit "B" a geotechnical investigation report, signed and sealed by a professional engineer registered in Kentucky, that includes boring logs, foundation design recommendations, and a finding as to the susceptibility of the area surrounding the proposed site to flood hazard.

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

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

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

7. Pursuant to 807 KAR §1(1)(g), Tower Innovations 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”.

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

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

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

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

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

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

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

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

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

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

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

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

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


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

John E. Selent
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
selent@dinslaw.com

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

1. Granting a certificate of public convenience and necessity to construct the Lake Cumberland Dam cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



John E. Selent
DINSMORE & SHOHL, LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
(502) 540-2207
john.selent@dinslaw.com

LUKAS, NACE, GUTIERREZ & SACHS

CHARTERED

1650 TYSONS BOULEVARD, SUITE 1500
MCLEAN, VIRGINIA 22102
703 584 8678 • 703 584 8696 FAX
WWW.FCCLAW.COM

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

Kerry

CONSULTING ENGINEERS
ALI KUZEHKANANI
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LEILA REZANAVAZ
SUMEET K. BHALOTIA
OF COUNSEL
JOHN J. MCAVOY*
J.K. HAGE III*
LEONARD S. KOLSKY*
HON. GERALD S. MCGOWAN*
TAMARA DAVIS-BROWN*
*NOT ADMITTED IN VA

May 1, 2006

Tel: (703)584-8668

Fax: (703) 584-8692

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 (Lake Cumberland Dam) near Freedom, 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 copy of the 1A Certification survey.

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

Sincerely,

Leila Rezanavaz
Leila Rezanavaz
Consulting Engineer

Enclosures

CC: Scott McCloud

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

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

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

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

9. Latitude: 36 ° 53 ' 2 " 91 "

10. Longitude: 85 ° 6 ' 5 " 57 "

11. Datum: NAD 83 NAD 27 Other

12. Nearest Kentucky City: Freedom County: Russell

13. Nearest Kentucky public use or Military airport:
Russell County Airport

14. Distance from #13 to Structure: 8.7 Miles

15. Direction from #13 to Structure: South

16. Site Elevation (AMSL): 944 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1199 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 approximately 2.0 miles south of Freedom, KY.

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

Leila Rezanavaz
Lukas, Nace, Gutierrez & Sachs, Chartered
1650 Tysons Blvd., Suite 1500
McLean, VA 22102
T: 703-584-8668

3. Application for: New Construction Alteration Existing

4. Duration: Permanent Temporary (Months _____ Days _____)

5. Work Schedule: Start 5/20/06 End 5/25/06

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

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

8. FAA Aeronautical Study Number 2006-ASO-2662-OE

21. Description of Proposal:

Structure: 240' tower with top-mounted antennas for overall height of 255'
Frequencies: Cellular Band B
Maximum ERP: 200 watts

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration? No Yes, When 5/1/06

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

Leila Rezanavaz / Consulting Engineer *Leila Rezanavaz* 5/1/06
Printed Name Signature Date

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

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



Kentucky Airport Zoning Commission
 200 Mero Street
 Frankfort, KY 40622

(502) 564-4480
 fax: (502) 564-7953
 No.: AS-104-K24-06-088

AERONAUTICAL STUDY OF PROPOSED CONSTRUCTION OR ALTERATION

June 15, 2006

BLUEGRASS CELLULAR
 SCOTT MCCLOUD
 2902 RING ROAD
 Elizabethtown, KY 42702

CONSTRUCTION LOCATION Freedom, KY
 LATITUDE/LONGITUDE 36-53-03.15 N / 85-06-05.41 W
 HEIGHT (In Feet) 255'AGL/1199'AMSL
 CONSTRUCTION PROPOSED Antenna Tower

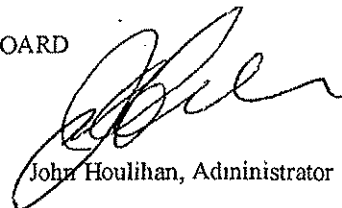
An application has been filed with the Kentucky Airport Zoning Commission for a permit to construct or alter the above described structure. Accordingly, the Kentucky Airport Zoning Commission is conducting an aeronautical study of the proposal to determine its effect upon the safe and efficient use of navigable airspace by aircraft and on the operation of air navigation facilities.

In the study, consideration will be given to all facts relevant to the effect of the structure on the safety of airport users and surface persons and property; the character of the flying operations conducted at the airport; the nature of the terrain; the height of existing structures and trees above the level of the airport, the views of the officials of the Federal Aviation Administration as to the safe approaches required for operations of the airport, the future development of the airport including extension to runways that may be required; the interest of the public in developing a sound public transportation system and the views and opinions of those owning the land in the area.

Interested persons are invited to participate in the aeronautical study by submitting written comments to the Administrator of the Kentucky Airport Zoning Commission. To be eligible for consideration, comments must be relevant to the effect of the proposed construction with the consideration set out above. The comments should provide sufficient details to permit a clear understanding, and be received before July 12, 2006. Please refer to the Aeronautical Study Number printed in the upper right hand corner of this notice.

The antenna tower will be located 8 NM south of the Russell County Airport. Preliminary review indicates this structure exceeds no state obstruction standards. Obstruction lighting is proposed.

JUDGE/EXECUTIVE, RUSSELL COUNTY
 CHAIRMAN, RUSSELL COUNTY AIRPORT BOARD



John Houlihan, Administrator

Leila Rezanavaz

From: Houlihan, John (KYTC) [John.Houlihan@ky.gov]
Sent: Wednesday, June 07, 2006 11:06 AM
To: Leila Rezanavaz
Subject: RE: Lake Cumberland Site (Old FAA Study number 2006-ASO_2662-OE)

* I will make the changes. Thank you. *

John's Response

From: Leila Rezanavaz [mailto:LRezanavaz@fcclaw.com]
Sent: Wednesday, June 07, 2006 10:35 AM
To: Houlihan, John (KYTC)
Subject: Lake Cumberland Site (Old FAA Study number 2006-ASO_2662-OE)

Dear John,

As per our telephone conversation today, I am providing the correct coordinates for the Lake Cumberland Tower near Freedom Kentucky. The original FAA study number for this tower was 2006-ASO-2662-OE. However, in order to correct the coordinates, I just filed with the FAA again and the new study number is 2006-ASO-3441-OE.

The original application for this site was sent to you on a letter dated May 1, 2006. Please used the following coordinates for correction and use every other information (height, airport, etc) from the original application. A survey report was sent to you in the May 1st package.

The NAD 83 coordinates for this tower are:

36°- 53'- 3.15" N and 85°- 6'- 5.41" W

I apologize for the inconvenience and appreciate your cooperation.

Leila Rezanavaz
Senior Consulting Engineer
Lukas, Nace, Gutierrez & Sachs
1650 Tysons BLVD
Suite 1500
McLean, VA 22102
Tel: 703-584-8668
Cell: 703-927-3122
Email: Leila@fcclaw.com
Email: lrezanavaz@fcclaw.com

BLUEGRASS CELLULAR
2902 Ring Road
Elizabethtown, KY 42702

1A Letter

Date: April 26, 2006
FSTAN Project No: 06-3965

Site Name: Lake Cumberland Dam

For Aeronautical Study No.

Location: City Freedom, KY
County Clinton

U.S.G.S. Quadrangle: Jamestown, KY

(NAD 27) LATITUDE 36° 53' 02.91"
LONGITUDE 85° 06' 05.57"

(NAD 83) LATITUDE 36° 53' 03.15"
LONGITUDE 85° 06' 05.41"

SITE ELEVATION (NAVD 88) 944' ± AMSL
PROPOSED TOWER HEIGHT 260' ± FAA AGL
TOWER HEIGHT WITH ANTENNA 285' ± FAA AGL
OVERALL HEIGHT ELEVATION 1229' ± AMSL

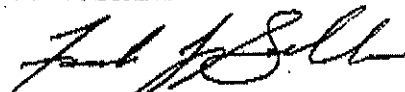
I Certify, to the best of my knowledge and belief, that the horizontal and vertical datum as established from the referenced U.S.G.S. Quadrangle, Jamestown, is accurate to 1A Reporting requirements of ± 20 feet horizontally and ± 3 vertically.

The horizontal datum (coordinates) are in terms of the North American Datum of 1927 (NAD 27) and 1983 (NAD 83) and expressed as degrees, minutes and seconds.

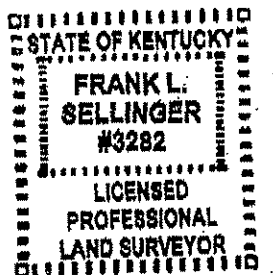
The vertical datum (heights) are in terms of the National Geodetic Vertical Datum of 1988 and are determined to the nearest foot.

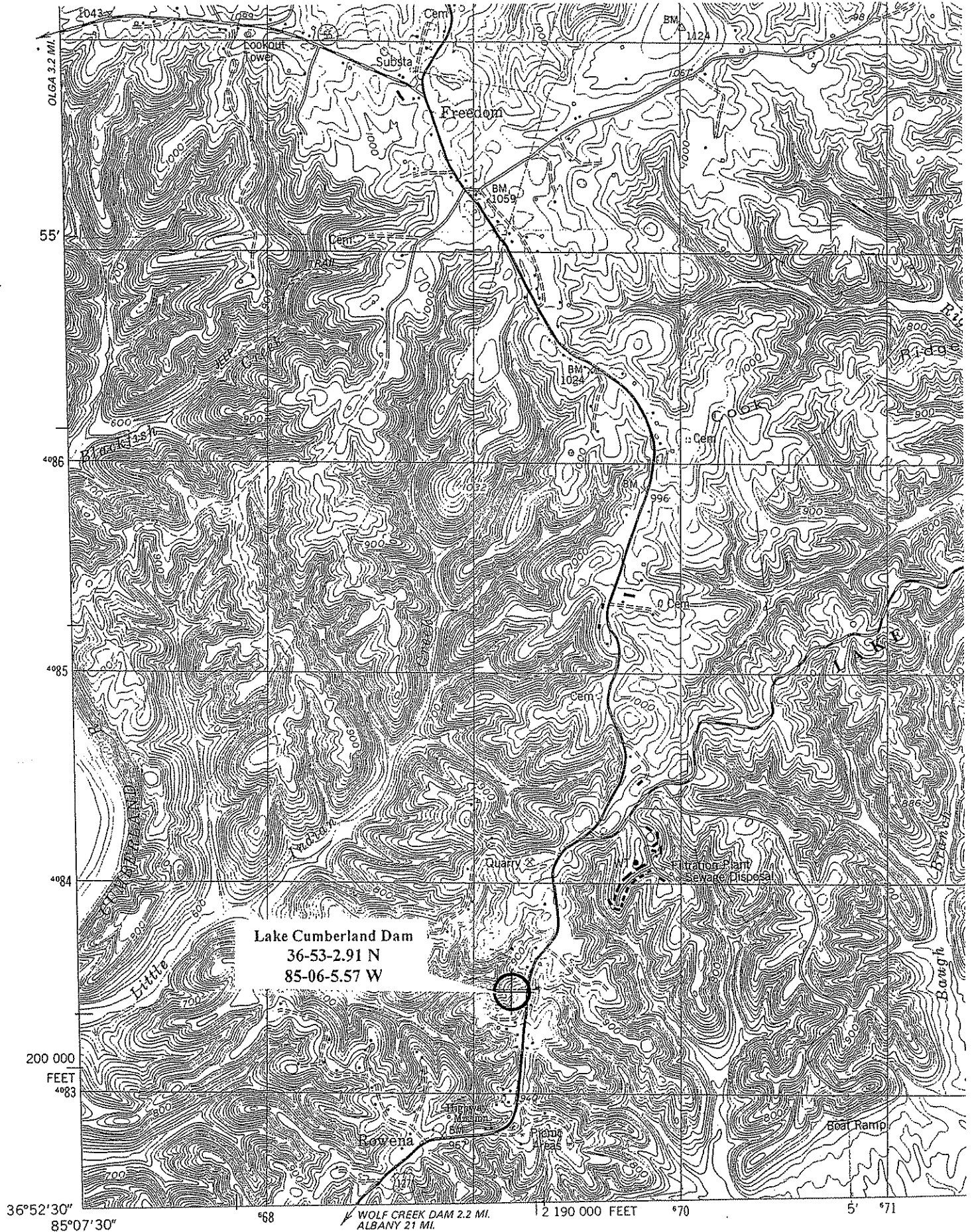
Kentucky State Plane Coordinates (South Zone) were established with Trimble Global Positioning Systems (GPS) receivers. This site has ties to the National Geodetic Reference System established by the National Geodetic Survey, formerly the U.S. Coast & Geodetic Survey by measurements to PID Station "DG8016", designated as "FBN RUSTY".

CONSULTANT



Frank L. Sellinger II, P.L.S. No. 3282
FSTAN Land Surveyors and Consulting Engineers
2313/2315 Crittenden Drive, Louisville, Ky, 40217
Phone: 502-635-5866 Fax: 502-636-5263





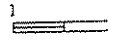
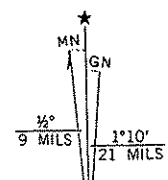
Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and USCE

Topography by photogrammetric methods from aerial photographs taken 1951. Field checked 1953. Revised from aerial photographs taken 1973. Field checked 1975. Map edited 1978.

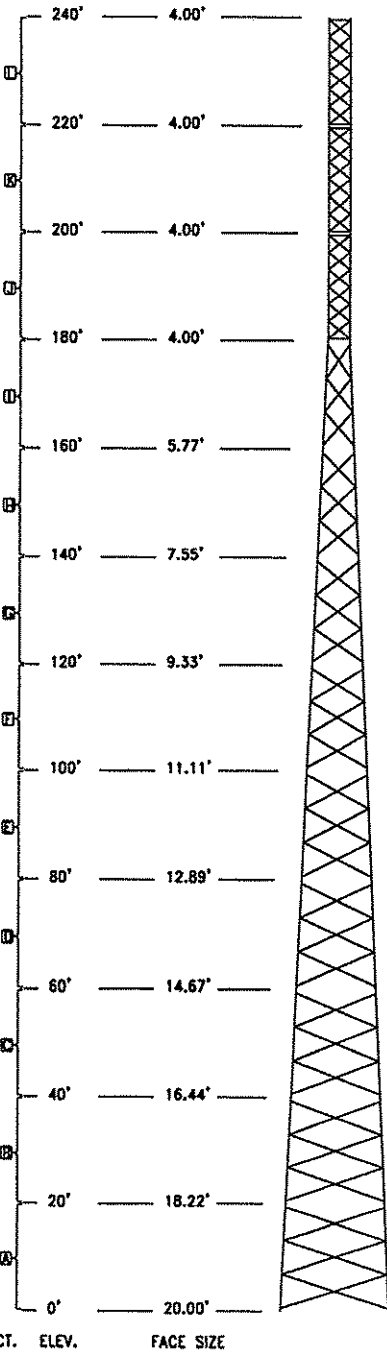
Polyconic projection 1927 North American datum

(WOLF CREEK DAM)
39271 SW

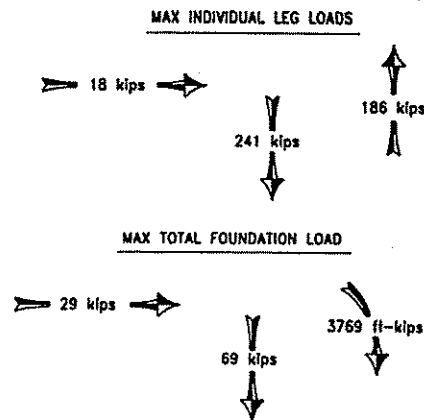
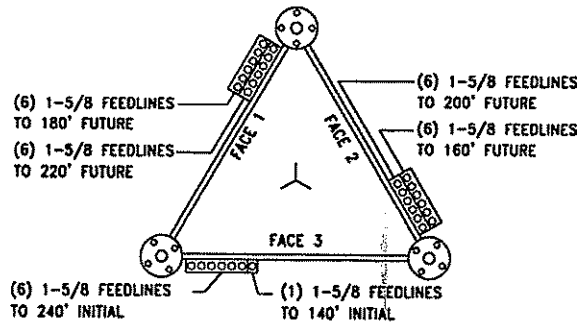


MEMBER CHART

SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS			SECTION WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	CLIMBING	
A	0' - 20'	20.00' - 18.22'	4	L 3-1/2 x 3-1/2 x 1/4	N/A	NOTE: 3	5100
B	20' - 40'	18.22' - 16.44'	3-1/2	L 3 x 3 x 3/16	N/A	NOTE: 3	3625
C	40' - 60'	16.44' - 14.67'	3-1/2	L 3 x 3 x 3/16	N/A	NOTE: 3	3500
D	60' - 80'	14.67' - 12.89'	3-1/2	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	3225
E	80' - 100'	12.89' - 11.11'	3-1/2	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	3125
F	100' - 120'	11.11' - 9.33'	3-1/2	L 2 x 2 x 3/16	N/A	NOTE: 3	2900
G	120' - 140'	9.33' - 7.55'	3-1/2	L 2 x 2 x 3/16	N/A	NOTE: 3	2850
H	140' - 160'	7.55' - 5.77'	3	L 2 x 2 x 3/16	N/A	NOTE: 3	2250
I	160' - 180'	5.77' - 4.00'	3	L 2 x 2 x 3/16	N/A	NOTE: 3	2200
J	180' - 200'	4.00'	2-1/2	3/4 S.R.	3/4 S.R.	NOTE: 3	1525
K	200' - 220'	4.00'	1-3/4	5/8 S.R.	3/4 S.R.	NOTE: 3	875
L	220' - 240'	4.00'	1-3/4	5/8 S.R.	3/4 S.R.	NOTE: 3	875



Feedline Distribution Information
 1) The Tower Structure is Designed According To The Feedline Distribution Information Provided.

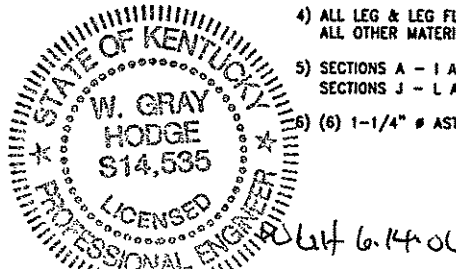


ANTENNA INFORMATION

ANTENNA	ELEVATION	LINE
(6) 59210	⊙ 240'	(6) 1-5/8
(6) 59210	⊙ 220'	(6) 1-5/8
(6) 59210	⊙ 200'	(6) 1-5/8
(6) 59210	⊙ 180'	(6) 1-5/8
(6) 59210	⊙ 160'	(6) 1-5/8
(1) 6' HP DISH	⊙ 140'	(1) 1-5/8

DESIGN & DRAWING NOTES:

- SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- THIS STRUCTURE IS DESIGNED TO MEET ANSI/EIA-222-F STANDARDS FOR A BASIC WIND SPEED OF 70 MPH WITH 1/2" ICE.
- TOWER DESIGNED FOR CLIP-ON CLIMBING LADDER AND CLIP-ON WAVEGUIDE LADDERS.
- ALL LEG & LEG FLANGE PL MATERIAL IS ASTM A-572 GRADE 50 (Fy ≥ 50 ksi). ALL OTHER MATERIAL IS ASTM A36 (Fy ≥ 36 ksi).
- SECTIONS A - I ARE 3-BAY X-BRACED. SECTIONS J - L ARE 6-BAY X-BRACED.
- (6) 1-1/4" # ASTM A449 ANCHOR BOLTS REQUIRED PER LEG.



REV. #	DESCRIPTION	DATE	APP.	DRAWN	DATE
A	ADDED SITE NAME	6.14.06	JJT	J.J.T.	6-12-06
				CHECK	DATE
				APPROVAL	DATE

THIRD ANGLE PROJECTION

COMPANY CONFIDENTIAL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL. IT IS TO BE USED SOLELY FOR THE PURPOSE PROVIDED, AND IT IS NOT TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF TOWER INNOVATIONS

TOLERANCES
 .X± 3/32" ANGLES± 2°
 .XX± 3/32" DRILLED HOLES± #1/32"
 .XXX± 1/16" BURNED HOLES± #1/16"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: INCHES

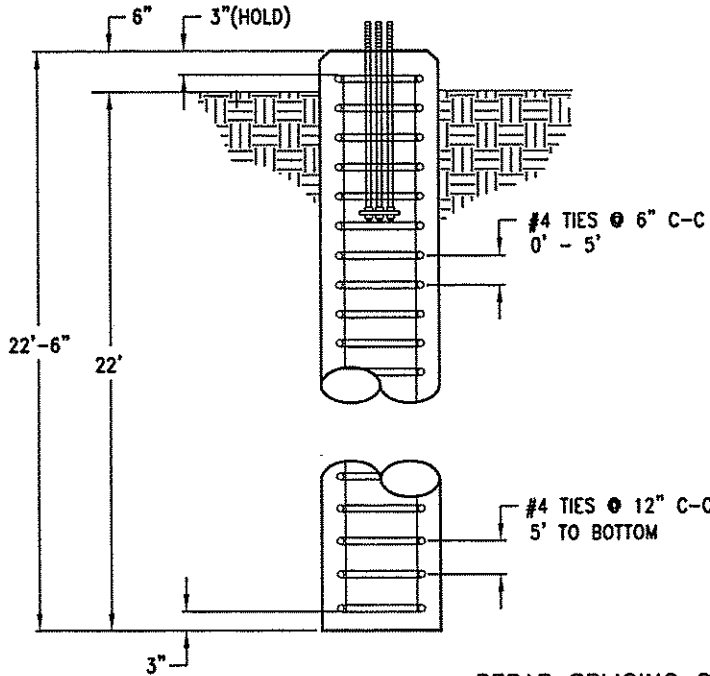
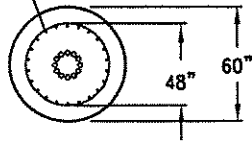
Tower Innovations
 PH# (812) 853-0595
 FAX# (812) 853-6652
 2855 HIGHWAY 281
 NEWBURGH, IN. 47630

TITLE
Elevation View & Member Information
 LAKE CUMBERLAND DAM 2, JAMESTOWN, KY

DWG NO.
CT2993-1 (18810)

DO NOT SCALE DRAWING

VERTICAL REBAR EQUALLY SPACED
SEE REBAR CHART FOR VERTICAL
REBAR REQUIRED.



REBAR SPlicing CHART

BAR SIZE	SPLICE LENGTH
3	15"
4	17"
5	21"
6	26"
7	30"
8	36"
9	46"
10	58"
11	71"

SPLICING NOTES:

- 1) STAGGER ALL SPLICES.
- 2) SPLICE CHART IS BASED ON 3000 PSI CONCRETE.
- 3) SPLICE REBAR ONLY WHEN NECESSARY.

REBAR CHART (1)-CAISSON

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	pcs. OF REBAR	TOTAL FT.
VERTS	#9 GRADE 60	22'	N/A	24	528'
TIES	#4 GRADE 60	N/A	48" Ø	27	340'

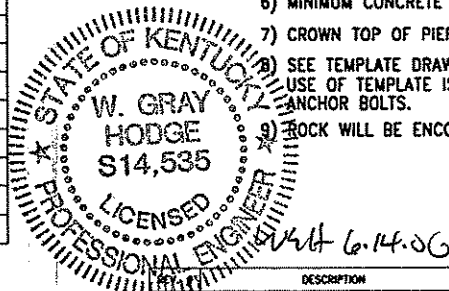
REBAR CHART (3)-CAISSONS

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	pcs. OF REBAR	TOTAL FT.
VERTS	#9 GRADE 60	22'	N/A	72	1584'
TIES	#4 GRADE 60	N/A	48" Ø	81	1020'

APPROXIMATE CONCRETE REQ'D PER CAISSON = 16 YD³
TOTAL CONCRETE = 48 YD³


NOTES:

- 1) ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 301 AND ACI318.
- 2) THIS FOUNDATION IS DESIGNED TO CONFORM ACI 318-99 AND ANSI/EIA-222-F STANDARDS UTILIZING THE SOILS REPORT PREPARED BY TERRACON, PROJECT NO. 57067436G. A COPY SHALL BE PROVIDED TO THE FOUNDATION CONTRACTOR. SOIL CONDITIONS THAT DIFFER FROM THOSE DESCRIBED IN THE REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER/INSPECTOR. ALL COMMENTS OR RECOMMENDATIONS REGARDING CONSTRUCTION TESTING OR CONSTRUCTION MONITORING SHALL BE STRICTLY FOLLOWED.
- 3) ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS. CYLINDERS SHALL BE PROPERLY CAST WITH COPIES OF THE TEST REPORTS GOING TO THE RESIDENT ENGINEER/INSPECTOR.
- 4) ALL ADMIXTURES MUST BE ADDED SEPARATELY INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. A NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE C. A WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE A.
- 5) ALL BACKFILL SHALL BE PLACED IN 9 INCH LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698 UNLESS MORE STRINGENT COMPACTION IS REQUIRED BY THE SOIL REPORT.
- 6) MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- 7) CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1 INCH.
- 8) SEE TEMPLATE DRAWING & TEMPLATE DESIGN CHART FOR TOWER LAYOUT DIMENSIONS, USE OF TEMPLATE IS REQUIRED TO INSURE PROPER LOCATION AND ORIENTATION OF ANCHOR BOLTS.
- 9) ROCK WILL BE ENCOUNTERED. PIER MUST BE EMBEDDED AT LEAST 3' INTO COMPETENT LIMESTONE.



DESCRIPTION	DATE	APP.	DRAWN	DATE
ADDED SITE NAME	6.14.06	JJT	J.J.T.	6-12-06
			CHECK	DATE
			APPROVAL	DATE

TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:
.XX± 3/32" ANGLES± 2°	INCHES
.XX± 3/32" DRILLED HOLES #1/32"	
.XX± 1/16" BURNED HOLES #1/16"	


 PH# (812) 853-0595
 FAX# (812) 853-6652
 2855 HIGHWAY 261
 NEWBURGH, IN. 47630

TITLE
 CAISSON FOUNDATION DESIGN
 LAKE CUMBERLAND DAM 2, JAMESTOWN, KY.

DWG NO.
 CT2993-F1 (18810)

REV
 A

DO NOT SCALE DRAWING

GEOTECHNICAL ENGINEERING REPORT

**LAKE CUMBERLAND DAM 2 TELECOMMUNICATION TOWER
8655 SOUTH HIGHWAY 127
JAMESTOWN, KENTUCKY**

**TERRACON PROJECT NO. 57067436G
June 2, 2006**

Prepared For:

**BLUEGRASS CELLULAR PARTNERSHIP
Elizabethtown, Kentucky**

Prepared by:

Terracon
Louisville, Kentucky

Terracon

June 2, 2006

Terracon
Consulting Engineers & Scientists

Bluegrass Cellular Partnership
2902 Ring Road
Elizabethtown, Kentucky 42702

Terracon Consultants, Inc.
4545 Bishop Lane, Suite 101
Louisville, Kentucky 40218
Phone 502.456.1256
Fax 502.456.1278
www.terracon.com

Attention: Mr. Doug Updegraff


**Re: Geotechnical Engineering Report
Lake Cumberland Dam 2 Telecommunication Tower
8655 South Highway 127
Jamestown, Kentucky
Terracon Project No. 57067436G**

Dear Mr. Updegraff:

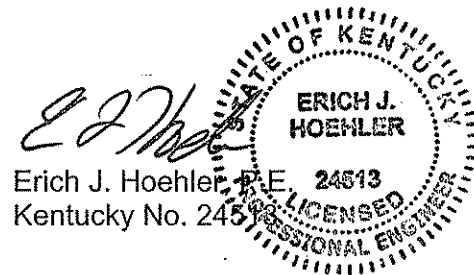
The results of our subsurface exploration are attached. The purpose of this exploration was to obtain information on subsurface conditions at the proposed project site and, based on this information, to provide recommendations regarding the design and construction of foundations for the proposed project.

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

Sincerely,
Terracon


Jason L. Thompson, EIT
Staff Engineer


Timothy G. LaGrow, P.E.
Regional Manager



n:\projects\2006\towers\57067436lakecumberlanddam2\geo57067436g.doc

Attachments: Geotechnical Engineering Report

Copies: (4) Bluegrass Cellular Partnership

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GEOTECHNICAL ENGINEERING REPORT

LAKE CUMBERLAND DAM 2 TELECOMMUNICATION TOWER
8655 SOUTH HIGHWAY 127
JAMESTOWN, KENTUCKY
TERRACON PROJECT NO. 57067436G
June 2, 2006

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 foundations and earthwork for the proposed project. One boring extending to a depth of about 26 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 support 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. At the time of the site visit, the property was a sloped area located near the northwest corner of an existing storage facility. The trees at the site had been cut down and piled throughout the site area prior to our field exploration. The provided site survey depicts approximately 30 feet of elevational relief across the tower compound. Based on the proposed tower construction and site survey, we anticipate about 10 feet of cut and up to 20 feet of fill may be necessary to bring the site to planned grade.

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 26 feet below existing grade. The boring was advanced at the center of the tower, staked by the project surveyor. A ground surface elevation was interpolated from the provided site survey and is indicated on the boring log. The location of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

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

Auger refusal was encountered at a depth of about 6 feet below the existing ground surface. The boring was extended into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the percent recovery and rock quality designation (RQD) were determined.

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

Table 1 – Rock Quality Designation (RQD)

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

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

3.2 Laboratory Testing

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

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

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

4.0 EXPLORATORY FINDINGS

4.1 Site Geology

A review of the Geologic Quadrangle Map, Jamestown Quadrangle, Kentucky, published by the United States Geological Survey, indicates that the site is underlain by the Fort Payne Formation. The Fort Payne Formation consists of shale and limestone. The shale is present in alternating clayey layers and is mostly light olive gray to medium light gray. The limestone is yellowish gray and light olive gray to medium dark gray, medium grained to very coarse grained with chert nodules. The formation is approximately 240 to 310 feet thick.

4.2 Subsurface Conditions

Conditions encountered at the boring location are indicated on the boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types and the transition between materials may be gradual. Water levels shown on the boring log represent the conditions only at the time of our exploration. Based on the results of the boring, subsurface conditions on the project site can be generalized as follows.

Underlying approximately 4 inches of topsoil our boring encountered silty clay (CL/ML) to a depth of approximately 3½ feet below the existing ground surface. The clay exhibited a medium stiff consistency based on an SPT N-Value of 6 blows per foot. Medium hard, weathered shale was encountered below the silty clay to an auger refusal depth of approximately 6 feet.

Below a depth of about 6 feet, rock coring techniques were used to advance the borehole. Two (2) ten-foot core runs were advanced. The bedrock samples recovered from the core runs consisted of dark brown shale transitioning into dark gray limestone below a depth of about 18 feet. The shale was very closely jointed, completely to moderately weathered, soft and hard. The limestone recovered was very closely jointed to closely jointed, slightly weathered and hard. The percent recovery of the two core runs was 50 and 64 percent, respectively. Due to the soft nature of some of the shale encountered, portions of the shale appeared to be washed away by the water used to cut the rock. The quality of the rock is rated at poor based on RQD values of 33 and 36 percent. Considering the height of the tower and the quality of the bedrock, coring operations were terminated at a depth of 26 feet below grade.

4.3 Groundwater Conditions

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

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

5.0 ENGINEERING RECOMMENDATIONS

Based on the encountered subsurface conditions, the tower can be constructed on drilled piers or a mat foundation. The lightly loaded equipment building can be supported on shallow spread footings. Shallow foundation and drilled pier 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:

Table 2 - Drilled Pier Foundation Design Parameters

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, ϵ_{50} (in/in)
0 - 3	Topsoil and Silty Clay	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 - 6	Weathered Shale	400	Ignore	1,250	0	1,250	100	0.008
6 - 18	Shale	500	5,000	2,000	0	10,000	800	0.004
18 - 26	Limestone	4,000***	50,000	8,000	0	80,000***	3,000	0.00001

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

** A total unit weight of 120 and 150 pcf can be estimated for the silty clay/weathered shale and shale/limestone, respectively.

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

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have 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 ½ inch.

The upper 3 feet of topsoil and lean clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in uplift and lateral resistance caused by variable bedrock depths and bedrock quality, it is recommended that a minimum pier length and minimum rock socket length be stated on the design drawings. Soft to hard shale was encountered below a depth of about 6 feet. Competent limestone was encountered below a depth of about 18 feet but could vary between tower legs, if significant grade changes occur or if the tower is moved from the location of our boring. If the tower center is moved from the planned location, Terracon should be notified to review the recommendations and determine whether an additional boring is required. Due to the highly variable rock conditions encountered in our borings, it is highly recommended that a Terracon representative observe the drilled pier excavation.

Although the boring was able to penetrate the highly weathered shale, there is a possibility that larger diameter drilled pier equipment will refuse on this material at higher elevations than

shown in our boring. The contractor should recognize the hardness of the material and be prepared to use rock teeth or other means to extend through these layers.

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

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

Mat Foundation Alternative: The mat foundation can be designed using the following weathered rock parameters. These parameters are based on the findings of the boring, a review of published correlation values and Terracon's experience with similar rock conditions. These design parameters also assume that the base of the mat foundation will rest entirely on weathered bedrock.

Table 3 - 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 - 3	Topsoil and Silty Clay	Ignore	Ignore	-	
≥ 3	Weathered Shale	5,000	Ignore	0.5	150

To assure that the mat foundation rests entirely on weathered shale, 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 1/2-inch. Differential settlement should not exceed 50 percent of the total settlement.

5.2 Equipment Building Foundations

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

considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2 feet square.

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

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

5.3 Parking and Drive Areas

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

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

5.4 Site Preparation

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

Any fill and backfill placed on the site should consist of approved materials that are free of organic matter and debris. Suitable fill materials should consist of well graded crushed stone below the tower foundation and well graded crushed stone or low plasticity cohesive soil elsewhere. Low-plasticity cohesive soil should have a liquid limit of less than 45 percent and a plasticity index of less than 25 percent. The on site silty clay is considered marginally suitable for re-use as fill due to the soils high silt content. It is recommended that during construction

these soils and the shale be further tested and evaluated prior to use as fill. Fill should not contain frozen material and it should not be placed on a frozen subgrade.

The fill should be placed and compacted in lifts of 9 inches or less in loose thickness. Fill placed below structures or used to provide lateral resistance should be compacted to at least 98 percent of the material's maximum standard Proctor dry density (ASTM D-698). Fill should be placed, compacted, and maintained at moisture contents within minus 1 to plus 3 percent of the optimum value determined by the standard Proctor test.

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

5.5 Resistivity Analysis

Resistivity of the subsurface soils was measured at the site using a Nilsson Model 400 soil resistivity meter. The Wenner Vertical Profiling Method was used. With this array, potential electrodes are centered on a traverse line between the current electrodes and an equal "A" spacing between electrodes is maintained. Due to site constraints, resistivity measurements were only taken along 1 traverse located along the perimeter of the staked tower compound. Individual resistivity values at 5, 10, 15, 20, 30 and 40 foot spacings are presented on the soil resistivity test sheet in the Appendix.

6.0 GENERAL COMMENTS

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

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

The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is

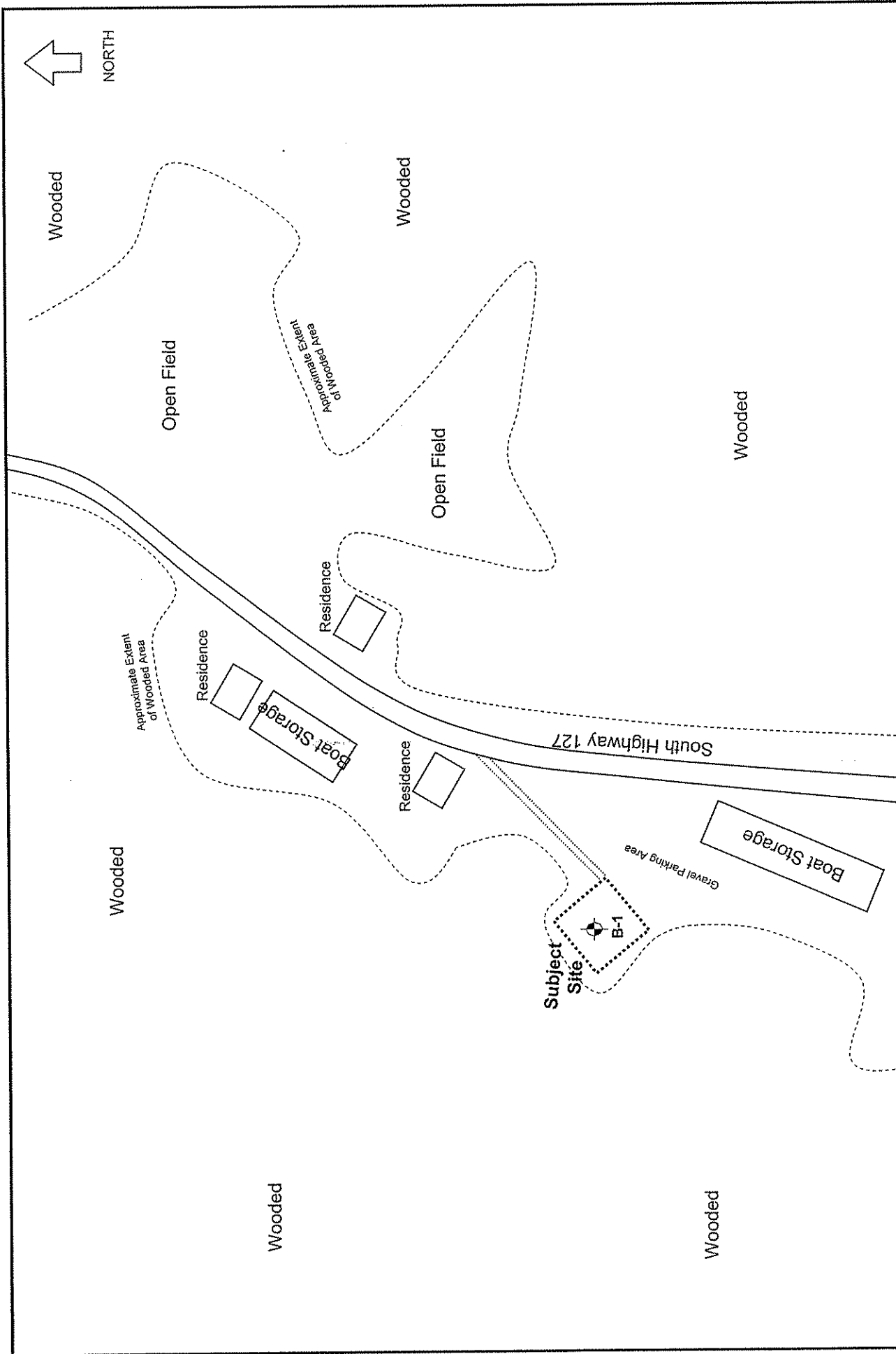
Lake Cumberland Dam 2 Telecommunication Tower
Jamestown, Kentucky
Terracon Project No.: 57067436G
June 2, 2006

Terracon

concerned about the potential for such contamination or pollution, other studies should be undertaken.

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

APPENDIX



Bluegrass Cellular Partnership
 Lake Cumberland Dam Site
 Jamestown, Kentucky
 PROJECT NO. 57067436G



BORING LOCATION DIAGRAM
 SCALE: NTS

LOG OF BORING NO. B-1

CLIENT Bluegrass Cellular Partnership	
SITE 8655 State Highway 127 Jamestown, Kentucky	PROJECT Proposed Lake Cumberland Dam 2 Tower

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS	
				NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf
Approx. Surface Elev.: 945 ft									
0.3	TOPSOIL SILTY CLAY with trace rock fragments, tan, medium stiff	944.5	CL ML	1	SS	18	6	26	
3.5	WEATHERED SHALE , dark brown, medum hard	941.5		2	SS	6	23 50/2		
6	Auger Refusal at 6 feet, Began Coring	939							
	SHALE , very closely jointed, completely to moderately weathered, dark brown, soft to hard			3	DB	50%	RQD 33%		
18	LIMESTONE with interbedded shale, very closely to closely jointed, slightly weathered, dark gray, hard	927		4	DB	64%	RQD 36%		14500 psi
26	Boring Terminated at 26 feet	919							

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

WATER LEVEL OBSERVATIONS, ft		BORING STARTED		5-2-06
WL	▽	BORING COMPLETED		5-2-06
WL	▽	RIG	CME-550	FOREMAN MW
WL	Dry Upon Auger Completion	LOGGED	JLT	JOB # 57067436G



BOREHOLE 99 57067436G LOGS.GPJ TERRACON.GDT 6/5/06



Project: Cumberland Dam 2
 Project No.: 57067436G
 Performed By: _____
 Checked By: _____

Soil Resistivity

ASTM G57 Test Method for Field Measurement of Soil Resistivity Using Wenner Four - Electrode Method

At-Grade Measurements (equal rod spacing)

Location	Depth of Interest (feet)	Electrode Spacing from Center (feet)		Resistance (ohms)		Resistivity (ohm-cm)
		Inner	Outer	Dial Reading	Range Switch	
A- A'	5	2.5	7.5	3.3	10.0	31598
	10	5	15	1.3	10.0	24895
	15	7.5	22.5	7.1	1.0	20395
	20	10	30	4.6	1.0	17618
	30	15	45	2.8	1.0	16086
	40	20	60	2.6	1.0	19916
	60	30	90			
	80	40	120			
	100	50	150			
	5	2.5	7.5			
	10	5	15			
	15	7.5	22.5			
	20	10	30			
	30	15	45			
	40	20	60			
	60	30	90			
	80	40	120			
	100	50	150			

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

Equipment Usage: Nilsson Soil Resistance Meter - Model 400

Additional Notes: _____

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

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

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

WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

CONSISTENCY OF FINE-GRAINED SOILS

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

RELATIVE DENSITY OF COARSE-GRAINED SOILS

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

RELATIVE PROPORTIONS OF SAND AND GRAVEL

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

GRAIN SIZE TERMINOLOGY

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

RELATIVE PROPORTIONS OF FINES

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

PLASTICITY DESCRIPTION

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

Terracon

GENERAL NOTES

Description of Rock Properties

WEATHERING

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

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

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

Joint, Bedding and Foliation Spacing in Rock^a

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

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

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

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

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests^A

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

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

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

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

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

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

^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.

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

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

^I If soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

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

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

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

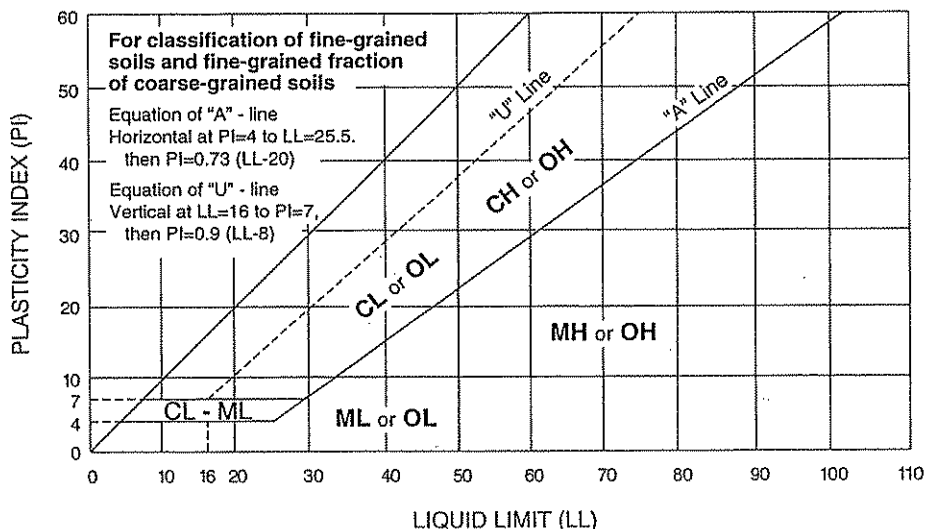
^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N $PI \geq 4$ and plots on or above "A" line.

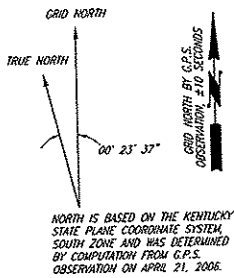
^O $PI < 4$ or plots below "A" line.

^P PI plots on or above "A" line.

^Q PI plots below "A" line.

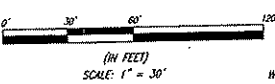


	VICINITY AND 500' STRUCTURAL MAP
	ABUTTING PROPERTY OWNERS
	U.S.G.S. QUAD MAP
SHEET 2	
	PROPOSED LEASE AREA
	LEGAL DESCRIPTIONS
	FLOOD ZONE DATA



PROJECT BENCHMARK
 NORTH: 1841602.987
 EAST: 1830146.570
 ELEVATION: 960.164
 LOCATION: BEING AN IPC SET 30' SE OF THE PROPOSED LEASE AREA

DRIVE TO DIRECTIONS
 FROM JAMESTOWN, KY, TAKE US-127 (SR-619/74 CUMBERLAND AVE) SOUTH 8.8 MILES TO SITE.



COORDINATE POINT LOCATION
 NAD 1983
 NAD 1983 LATITUDE: 36° 53' 03.15"
 NAD 1983 LONGITUDE: 85° 06' 05.41"
 NAD 1983 ELEVATION: 944'
 KENTUCKY STATE PLANE COORDINATE SOUTH ZONE (BLUE MARBLE GEOGRAPHIC CALCULATOR VERSION 3.0)
 NORTHING: 1841636.84
 EASTING: 1830081.39

DRIVE TO DIRECTIONS
 FROM THE COUNTY SEAT OF RUSSELL COUNTY, KENTUCKY AT JAMESTOWN TAKE U.S. HIGHWAY 127 SOUTH 8.8 MILES TO AN EXISTING GRAVEL ENTRANCE ON THE RIGHT AT AN EXISTING RESIDENCE. TURN RIGHT ONTO THE GRAVEL DRIVE, THEN AN APPROPRIATE LEFT AND FOLLOW SAID DRIVE ROAD TO THE EXISTING BEAT STORAGE FACILITY. THE SITE IS LOCATED APPROXIMATELY 200' NORTHWEST OF THE BEAT STORAGE FACILITY.

LINE LEGEND

	OVERHEAD ELECTRIC
	OVERHEAD ELECTRIC & TELEPHONE LINE
	EXISTING FENCE
	SUBJECT PROPERTY BOUNDARY
	RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR LIFESTYLES DO NOT NECESSARILY APPEAR ON DRAWING(S). USE ONLY AS APPLICABLE

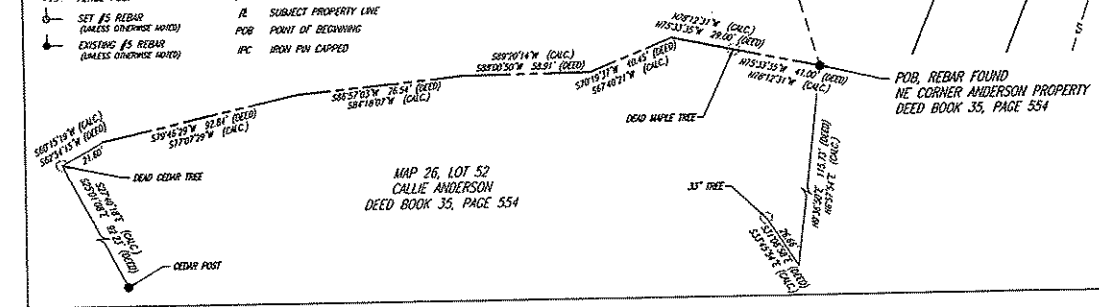
SYMBOL LEGEND

	WOOD POWER POLE
	LIGHT POLE
	GUY POLE
	TELEPHONE PEDESTAL
	OUT ANCHOR
	ELECTRIC BOX
	FENCE POST
	SET #5 REBAR (UNLESS OTHERWISE NOTED)
	EXISTING #5 REBAR (UNLESS OTHERWISE NOTED)
	IRON PIN CAPPED

ABBREVIATIONS

EP	EDGE OF PAVEMENT
ROW	RIGHT OF WAY
CL	CENTERLINE
RCP	REINFORCED CONCRETE PIPE
CONE	CONCRETE
CMP	CORRUGATED METAL PIPE
IL	SUBJECT PROPERTY LINE
POB	POINT OF BEGINNING
IPC	IRON PIN CAPPED

MAP 26, PART OF LOT 50.01
 DAVID & WANDA MANN
 DEED BOOK 113, PAGE 26
 (TRACT II)



MAP 26, LOT 52
 CALLIE ANDERSON
 DEED BOOK 35, PAGE 554

UNDERGROUND UTILITIES
 CALL 2 WORKING DOTS
BEFORE YOU DIG
 NUMBER 1-800-382-5544
 KENTUCKY 1-800-752-6007
 UTILITIES PROTECTIVE SERVICE
 NON-EMERGENCY: PLEASE CALL DIRECTLY

The utility information shown on this plan, prepared by FSIAN was obtained from existing records and as far as the FSIAN is concerned, it is the contractor's responsibility to verify their existence and location, and to contact the appropriate utility company for field location.

STATE OF KENTUCKY
FRANK L. SELLINGER
 #3282
 LICENSED PROFESSIONAL LAND SURVEYOR

"CELLULAR COMMUNICATION TOWER SITE SURVEY"
 REFERENCED AS "EXHIBIT B"
 OWNER APPROVAL: _____ DATE: _____
 BLUEGRASS CELLULAR APPROVAL: _____ DATE: _____

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 2102050100B DATED 08-28-80 AND THE PROPOSED LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA. THE PROPOSED LEASE AREA IS LOCATED IN ZONE X.

LEGAL DESCRIPTIONS:

This is a description for Bluegrass Cellular, of an area to be leased from the property of David & Wanda Mann, which is further described as follows:

PROPOSED LEASE AREA
 Beginning at a rebar found at the Northwest corner of the property conveyed to Callie Anderson as recorded in Deed Book 35, Page 554, in the Office of the Recorder of Russell County, Kentucky, said rebar being S 33°43'54" E - 26.66'; thence S 06°57'34" E - 115.73' from a 33' line, thence following the property conveyed to David & Wanda Mann as recorded as Tract II in Deed Book 113, Page 26, in the above-said Recorder's Office, N 18°29'31" W - 411.13' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" W - 70.00' to the TRUE POINT OF BEGINNING of the Proposed Lease Area; thence N 47°24'08" W - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" W - 70.00' to the true point of beginning, containing 4,900 square feet of land containing 100' of Set #5 rebar with a cap stamped T5104 Land Surveyors & Consulting Engineers, dated May 11, 2006.

CENTERLINE OF PROPOSED 20' ACCESS & UTILITY EASEMENT
 Beginning at a rebar found at the Northwest corner of the property conveyed to Callie Anderson as recorded in Deed Book 35, Page 554, in the Office of the Recorder of Russell County, Kentucky, said rebar being S 33°43'54" E - 26.66'; thence S 06°57'34" E - 115.73' from a 33' line, thence following the property conveyed to David & Wanda Mann as recorded as Tract II in Deed Book 113, Page 26, in the above-said Recorder's Office, N 18°29'31" W - 411.13' to a set #5 rebar with a cap stamped T5104 Land Surveyors & Consulting Engineers, dated May 11, 2006, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" W - 70.00' to the true point of beginning, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 52.60' to a set #5 rebar with a cap stamped T5104 #1282; thence N 58°05'57" E - 77.05' to a set #5 rebar with a cap stamped T5104 #1282; thence N 32°45'39" E - 73.35' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" W - 70.00' to the true point of beginning, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence N 47°24'08" W - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" E - 100.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 58°05'57" E - 77.05' to a set #5 rebar with a cap stamped T5104 #1282; thence N 32°45'39" E - 73.35' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" W - 70.00' to the true point of beginning, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence N 47°24'08" W - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" E - 55.81' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 55.81' to a set #5 rebar with a cap stamped T5104 #1282; and the end of the easement, as per survey by Frank L. Sellinger, R. PLS No. 3382 with FSI/744 Land Surveyors & Consulting Engineers, dated May 11, 2006.

CENTERLINE OF PROPOSED 20' UTILITY EASEMENT
 Beginning at a rebar found at the Northwest corner of the property conveyed to Callie Anderson as recorded in Deed Book 35, Page 554, in the Office of the Recorder of Russell County, Kentucky, said rebar being S 33°43'54" E - 26.66'; thence S 06°57'34" E - 115.73' from a 33' line, thence following the property conveyed to David & Wanda Mann as recorded as Tract II in Deed Book 113, Page 26, in the above-said Recorder's Office, N 18°29'31" W - 411.13' to a set #5 rebar with a cap stamped T5104 Land Surveyors & Consulting Engineers, dated May 11, 2006, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" W - 70.00' to the true point of beginning, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 52.60' to a set #5 rebar with a cap stamped T5104 #1282; thence N 58°05'57" E - 77.05' to a set #5 rebar with a cap stamped T5104 #1282; thence N 32°45'39" E - 73.35' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" W - 70.00' to the true point of beginning, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence N 47°24'08" W - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" E - 100.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 58°05'57" E - 77.05' to a set #5 rebar with a cap stamped T5104 #1282; thence N 32°45'39" E - 73.35' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence N 42°35'34" W - 70.00' to the true point of beginning, containing 100' of Set #5 rebar with a cap stamped T5104 #1282; thence N 47°24'08" W - 70.00' to a set #5 rebar with a cap stamped T5104 #1282; thence S 42°35'34" E - 55.81' to a set #5 rebar with a cap stamped T5104 #1282; thence S 47°24'08" E - 55.81' to a set #5 rebar with a cap stamped T5104 #1282; and the end of the easement, as per survey by Frank L. Sellinger, R. PLS No. 3382 with FSI/744 Land Surveyors & Consulting Engineers, dated May 11, 2006.

SURVEYORS NOTES
 SOURCE OF BEARING IS A G.P.S. OBSERVATION ON APRIL 21, 2006.
 SITE SHOWN SUBJECT TO RIGHT OF WAYS AND EASEMENTS SHOWN HEREON OR NOT.
 NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY EFFECTS AND/OR ASSURANCES IN THE TITLE OF THE PARENT TRACT.
 THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.
 EXISTING CONTIGUOUS ARE AT ONE FOOT INTERVALS.
 THE LAKE CUMBERLAND DAM CELL SITE IS NOT WITHIN THE CITY LIMITS OF RUSSELL SPRINGS, KY AND THEREFORE IS NOT UNDER THE JURISDICTION OF THE RUSSELL SPRINGS PLANNING AND ZONING COMMISSION.

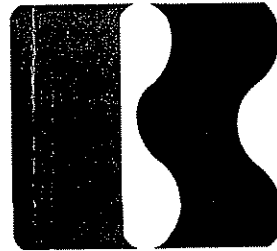
LAND SURVEYOR'S CERTIFICATE
 TYPE "A" SURVEY: UNASSISTED TRAVERSE CLOSURE BETTER THAN 1 IN 141,000.
 TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED I hereby certify that this plot and survey were made under my supervision, and that the angular and linear measurements, as witnessed by monuments shown hereon, are true and correct to the best of my knowledge and belief.
 This survey and plot meets or exceeds the minimum standards of the governing authorities.
 This property is subject to any recorded easements or right of ways not shown hereon.
 Frank L. Sellinger, R. PLS No. 3382
 Ky. Reg. No. _____

BLUEGRASS CELLULAR
 2902 RING ROAD
 ELIZABETHTOWN, KY 42702

FS
 F.S. Land Company
 T. Alan Neal Company
 Land Surveyors and Consulting Engineers
 140 East 1st Street, 213/2215
 Louisville, KY 40217
 Phone: (502) 635-8888
 Fax: (502) 635-9263

SITE NUMBER:	
SITE NAME:	LAKE CUMBERLAND DAM
SITE ADDRESS:	8685 SOUTH US HWY 127 JAMESTOWN, KY 42629
PROPOSED LEASE AREA:	AREA = 4,900 sq. ft.
PROPERTY OWNER:	DAVID & WANDA MANN BOX 104, ROUTE 2 JAMESTOWN, KY 42629
MAP NUMBER:	26
PARCEL NUMBER:	33
SOURCE OF TITLE:	DEED BOOK 113, PAGE 26
DWG BY:	CHKD BY:
DIG	FSH
DATE:	05.11.06
FSTAN PROJECT NO.:	06-3965
SHEET 2 OF 2	
REVISIONS:	
C2	

BLUEGRASS CELLULAR



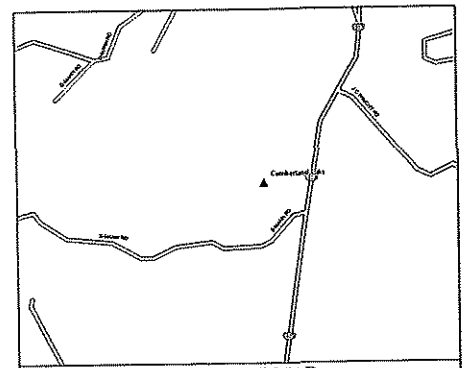
APPROVAL SIGNATURES	
BLUEGRASS CELLULAR CONSTRUCTION SUPERVISOR:	_____
DATE:	_____
CITY REPRESENTATIVE:	_____
TITLE:	_____
DATE:	_____
PROPERTY OWNER/OWNERS:	_____
DATE:	_____
TOWER OWNER/OWNERS:	_____
DATE:	_____

SITE NAME: CUMBERLAND LAKE DAM

911 ADDRESS: 8685 S. HWY. 127
JAMESTOWN, KY. 42629

COUNTY: RUSSELL

TOWER LATITUDE & LONGITUDE
N 36° 53' 03.15" W 85° 06' 05.41"



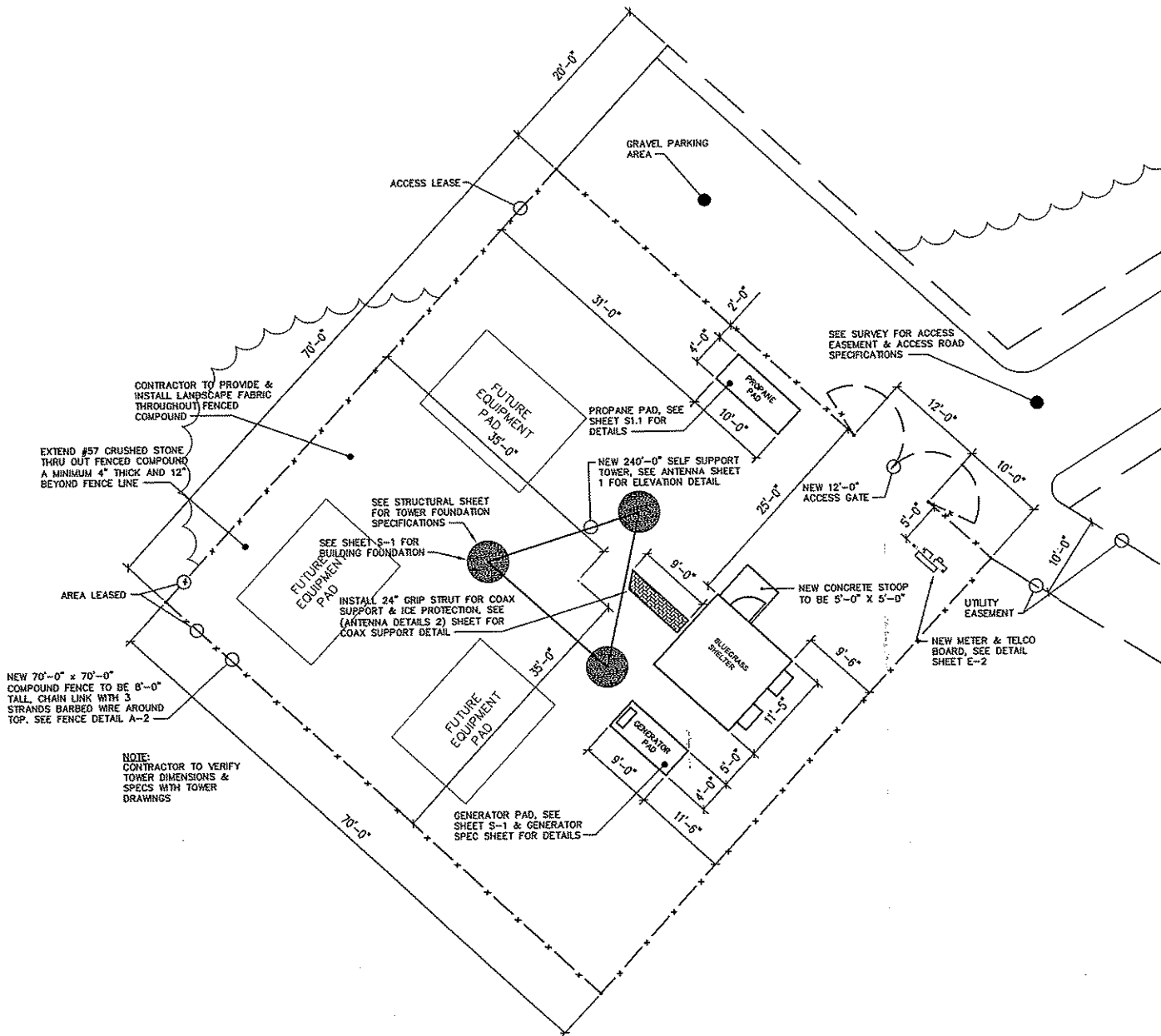
VICINITY MAP
NOT TO SCALE

DIRECTIONS TO SITE

From Elizabethtown, Kentucky: travel South on Hwy. 61 through Hodgenville, KY. Stay on Hwy. 61 south into Columbia, KY, and get on Cumberland Parkway traveling east. Take exit #62 off Cumberland Parkway, which is Hwy. 127. Go south on Hwy. 127 approx. 0.9 miles to site on right hand side of road. Site sits behind D & G Boat storage facility.

SHEET INDEX		
SHEET NO.	DESCRIPTION	REVISION
TITLE SHEET	TITLE SHEET	
SURVEY	SURVEY	
A-1	SITE PLAN	
A-2	FENCE DETAILS	
ANTENNA DETAILS 1	ANT. SPEC'S/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	

SITE DATA	
PROPERTY OWNER:	DAVID MAHN (270)343-2848
TOWER OWNER:	BLUEGRASS CELLULAR (270) 769-0339
POWER COMPANY:	SOUTH KY. RECC (606) 678-4121
TELEPHONE COMPANY:	DUD COUNTY (270)343-3131
BLUEGRASS CONSTRUCTION SUPERVISOR:	LEE HILL (270)734-1028

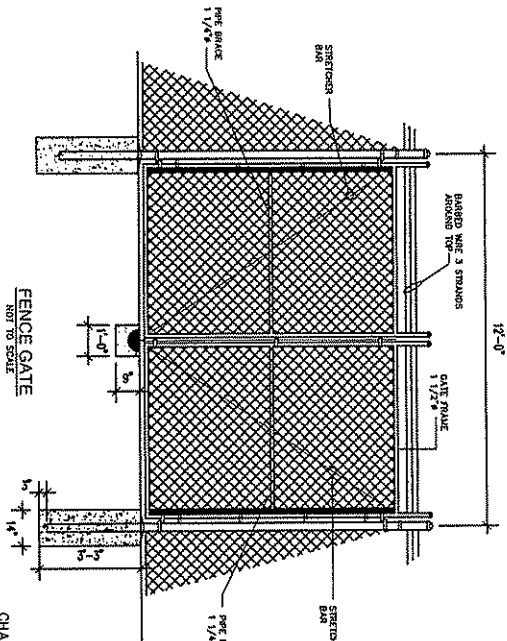


GENERAL NOTES:

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

SITE PLAN
SCALE: NONE

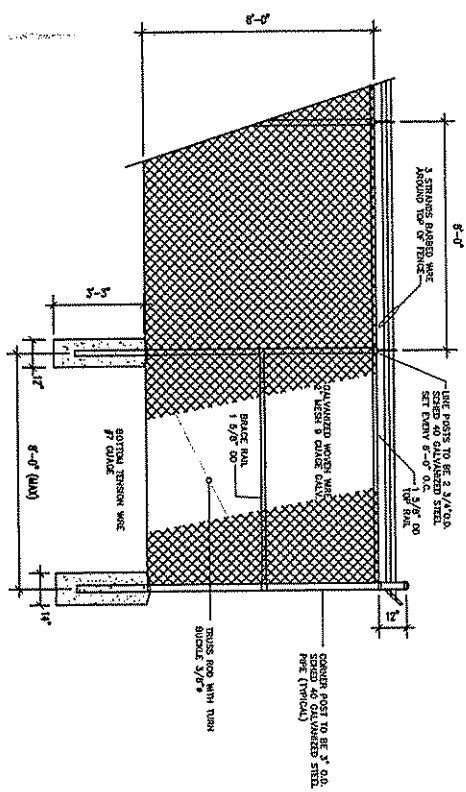
BR	
8885 ABERDEEN DRIVE LOUISVILLE, KY 40241 PHONE: 502-251-3837 FAX: 502-251-3838	
NO. DATE REVISION	
BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE CUMBERLAND LAKE <small>885 S. HWY. 127 JAMESTOWN, KY 42659</small>	
DRAWN BY: R. BECKER ISSUE DATE: 5-17-06 SCALE: LISTED	
SHEET NUMBER A-1	



FENCE GATE
NOT TO SCALE

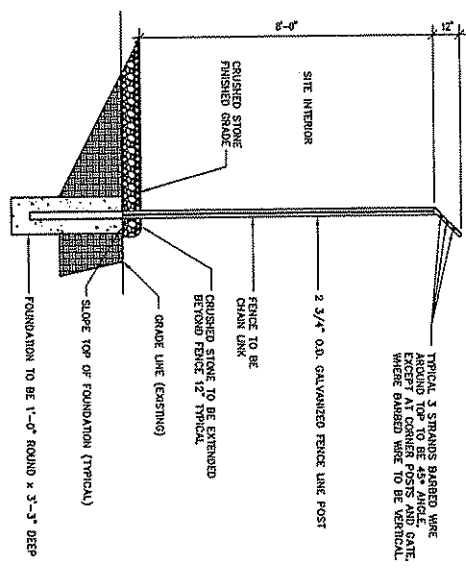
CHAIN LINK FENCING NOTES:

- 1 FABRIC: THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO. 9 W & M GAGE COPPER BEARING STEEL WIRE TO FORM A COMPANIONED AND SET FULL 3"-3 1/2" HAVING A 2" MESH. TOP EDGES SHALL HAVE A 1/2" THICK AND BARRIED
- 2 POSTS: SHALL BE 2 3/4" O.D. STD. 40 PER HOT GALVANIZED. THESE POSTS SHALL BE SET IN CONCRETE FOUNDATION 4'-0" ON CENTERS AND SET FULL 3"-3 1/2" BELL - SHAPED CONCRETE FOOTING, CROWNED AT TOP TO SHED WATER.
- 3 TOP RAIL: SHALL BE 1 1/2" O.C. STANDARD PIPE HOT GALVANIZED AND SHALL BE TAPERED IN RANDOM LENGTHS AVERAGE NOT LESS THAN 20"
- 4 FABRIC TIES: FOR ATTACHING FABRIC TO LINE POST, TOP RAIL OR TOP WIRE, SHALL BE ALUMINUM STRIP OF WIRE AND ONE POST EVERY 12' ON TOP OF MAIN BARS 2" AND ONE POST EVERY 12' ON TOP OF SHROUDED WIRE.
- 5 EXTENSION FABRIC: CAST STEEL GALVANIZED TO ACCOMMODATE 2 STRANDS OF BARRIED WIRE (STEEL). ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE.
- 6 BARRIED WIRE (STEEL): ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS 4 POINTS AT 3" O.C.
- 7 SWING GATE POSTS: SHALL BE 3" O.C. STANDARD HOT GALVANIZED, WEIGHING 5.79 LBS. PER FOOT.
- 8 GATES: (A) SWING GATES: 2" O.C. STANDARD PIPE WITH INTERNAL BRACING OF 2 1/2" O.C. STANDARD PIPE WELDED AT ALL JOINTS TO PROVIDE RIGID WATER TIGHT CONSTRUCTION. FABRIC SHALL BE AS FENCE.
- 9 FENCE TO BE 100% COMPLETED WITHIN TEN (10) DAYS OF COMPLETION OF CONSTRUCTION, IF TIME FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT MANAGER.

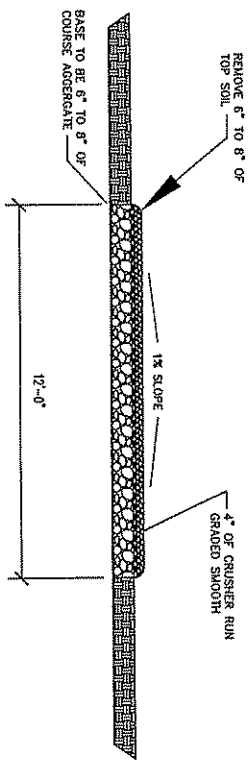


FENCE DETAIL END POLES
NOT TO SCALE

FENCE DETAIL LINE POLES



FENCE DETAIL LINE POLES
NOT TO SCALE



ROAD DETAIL
NOT TO SCALE

DRAWN BY: R. BECKER	ISSUE DATE: 5-17-06	SCALE: LISTED	NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND LAKE
 8685 S. HWY. 127 JAMESTOWN, KY. 42629

R B DESIGN
 6403 MERCURY DRIVE LOUISVILLE, KY 40291
 (502) 599-9127 F (502) 251-5553

A-2
 SHEET NUMBER

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS

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

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

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

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

LINES ARE TO BE SECURED TO ICE BRIDGE

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

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUSE IS TO BE PROPERLY DISPOSED OF.

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

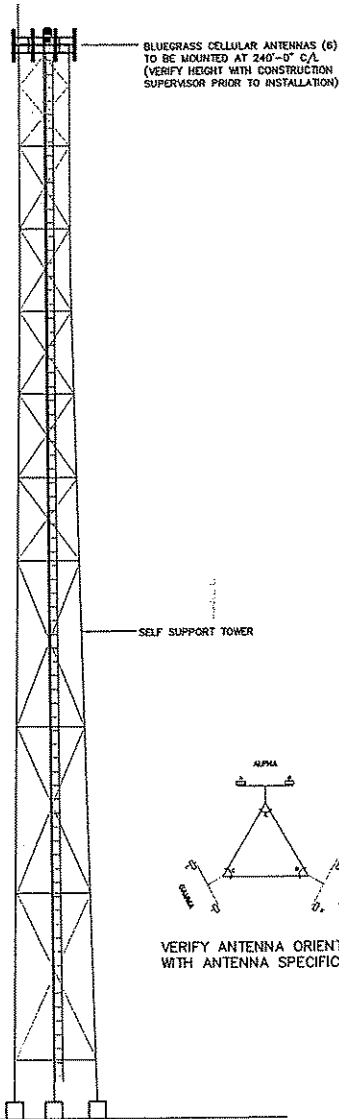
CONTRACTORS TO SUPPLY POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE & LUGS.

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



VERIFY ANTENNA ORIENTATION WITH ANTENNA SPECIFICATIONS

SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	AP13-880-850D ADT-XP	L=78.5 W=6.5 D=4.6	6	0°, 120°, 240°	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

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

ANTENNA TRANSMISSION LINES SPECS

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

DISH SPECS

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

DISH MOUNT SPECS

	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- ANTENNAS TO HAVE A 2*E
- ANTENNA FREQUENCY 880.00 - 890.00



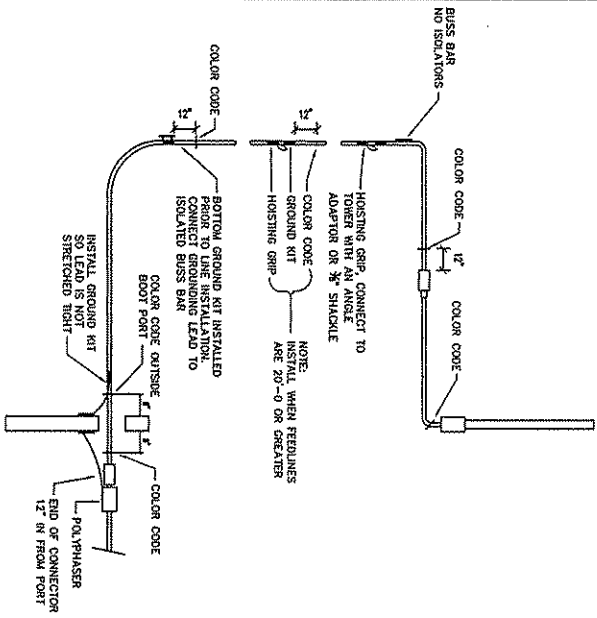
REVISION

NO. DATE

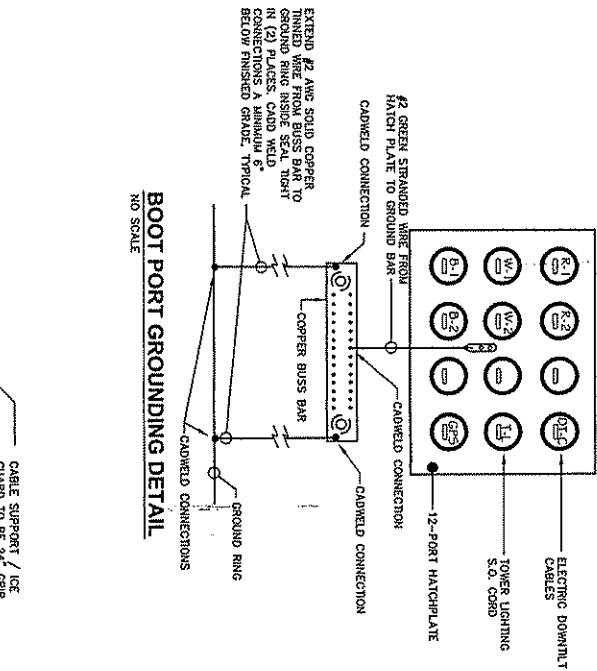
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND LAKE
 6865 S. HWY. 127 JAMESTOWN, KY 42829

DRAWN BY: R. BECKER
 ISSUE DATE: 5-17-06
 SCALE: LISTED

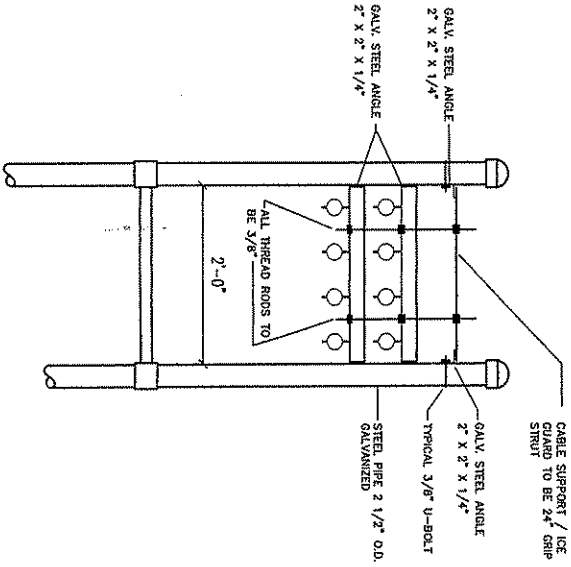
SHEET NUMBER
ANTENNA DETAILS
 1



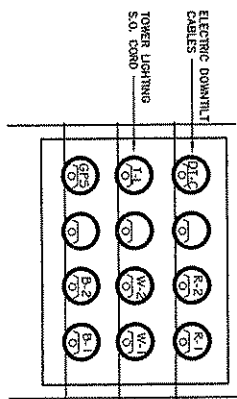
COLOR CODING DETAIL
NO SCALE



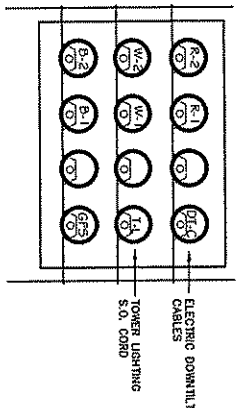
BOOT PORT GROUNDING DETAIL
NO SCALE



ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE

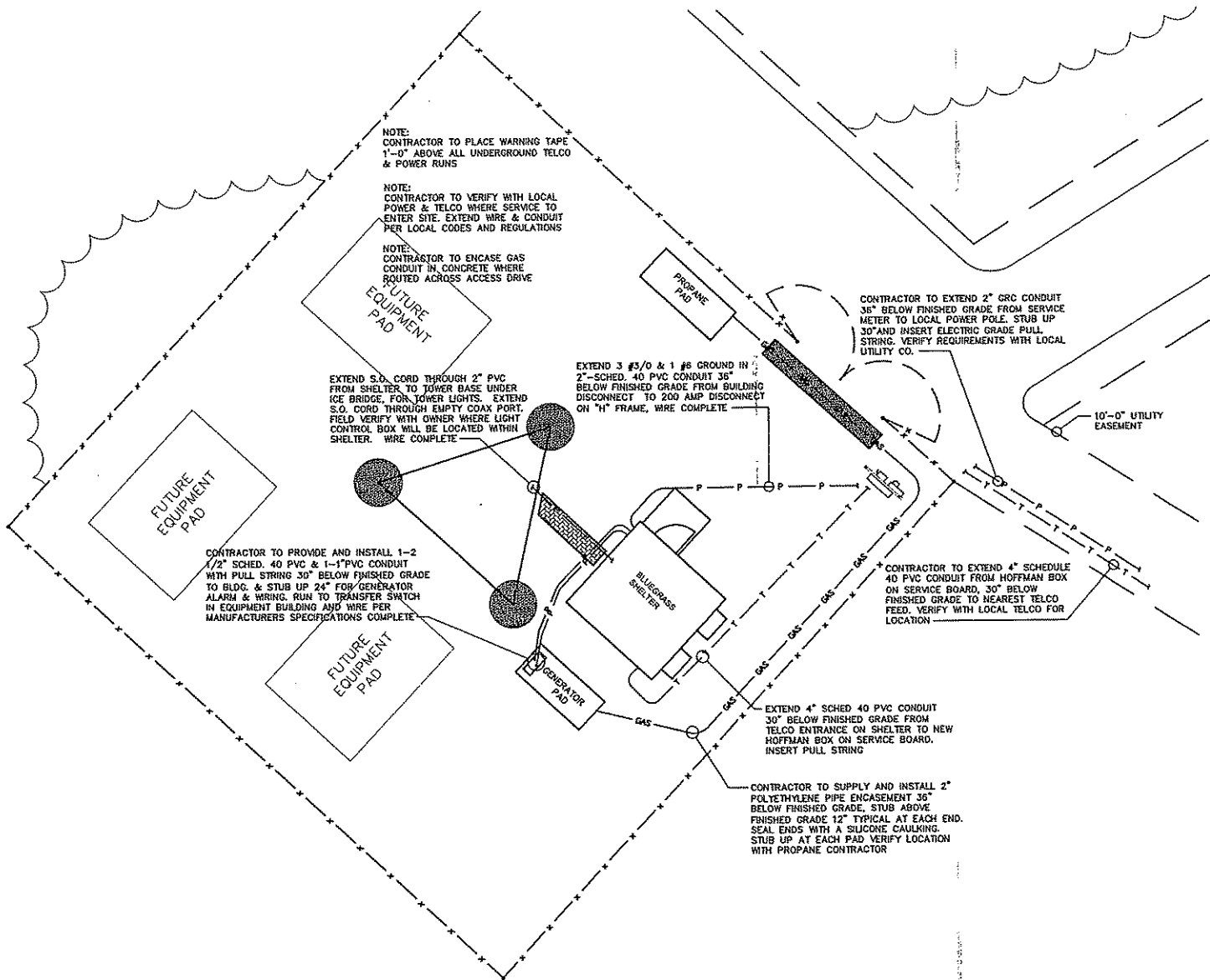


**COAX ENTRY DETAIL POWER SIDE
(VIEW FROM INSIDE SHELTER)**
NO SCALE



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

DRAWN BY: R. BECKER ISSUE DATE: 5-17-06 SCALE: LISTED	BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE CUMBERLAND LAKE 8685 S. HWY. 127 JAMESTOWN, KY. 42629		NO. DATE REVISION	



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. (CADD WELD ALL CONNECTIONS)
 - 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDING CONFIGURATION TO BE IN PARALLEL.
 - 6) CONTACT POINTS FOR GROUNDING TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
 - 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
 - 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
 - 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
 - 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.
- NOTE:**
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS.

SYMBOLS LEGEND

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

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

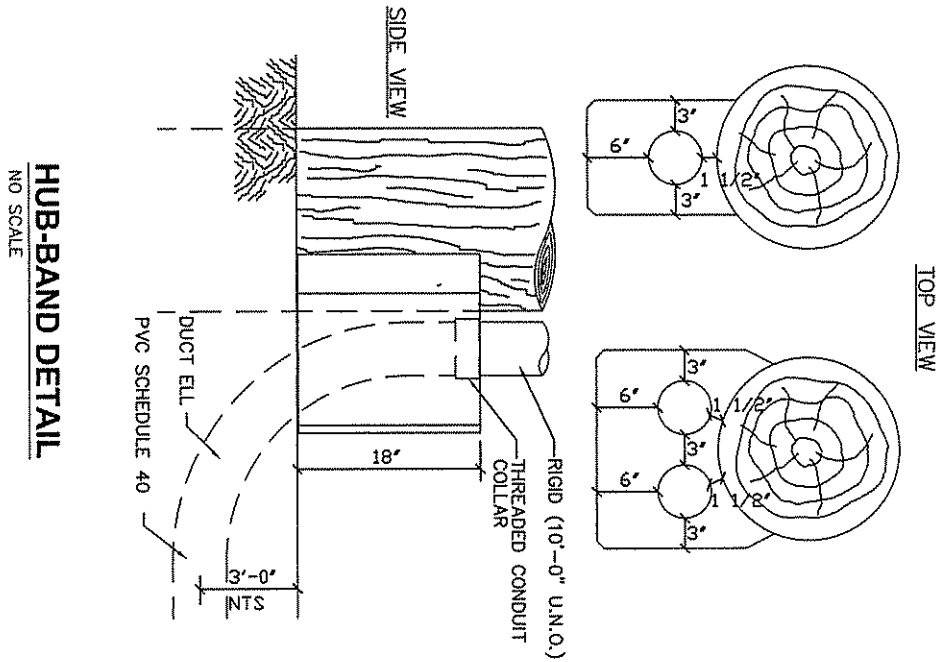
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
CUMBERLAND LAKE
866 S. HWY. 427 JAMESTOWN, KY. 40629

NO.	DATE	REVISION

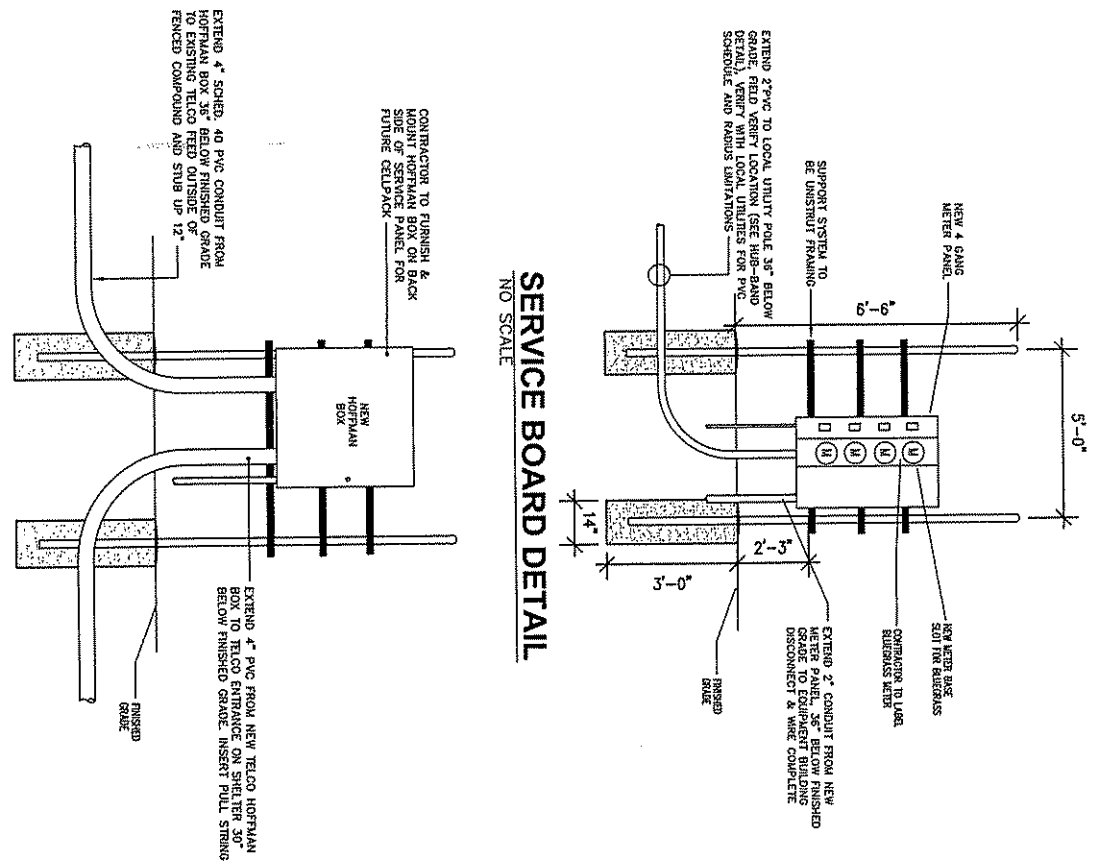
DRAWN BY: R. BECKER
ISSUE DATE: 5-17-06
SCALE: LISTED

SHEET NUMBER: LISTED

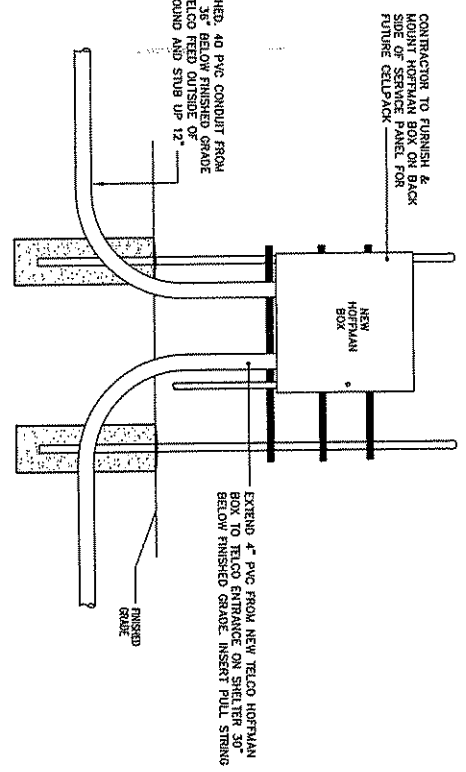
E-1



HUB-BAND DETAIL
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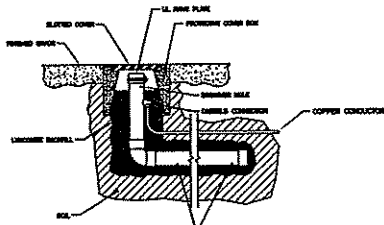


SERVICE BOARD DETAIL
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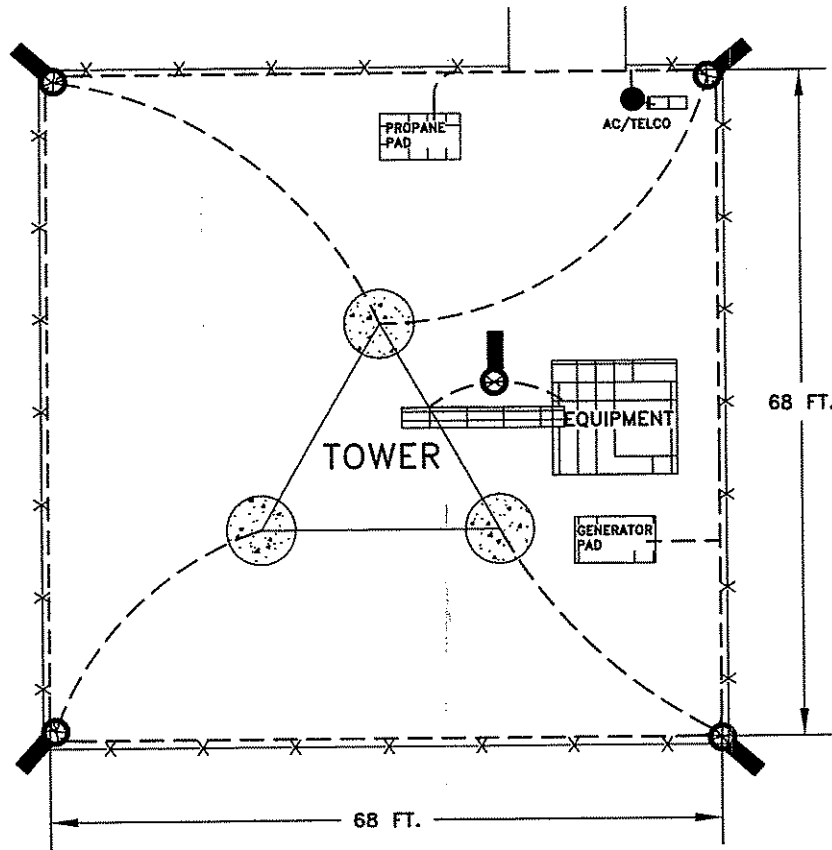
BACKBOARD DETAIL
NO SCALE

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	E-2 SHEET NUMBER			



L-SHAPED MODEL
 Lyncole XIT Grounding
 (800) 962-2610

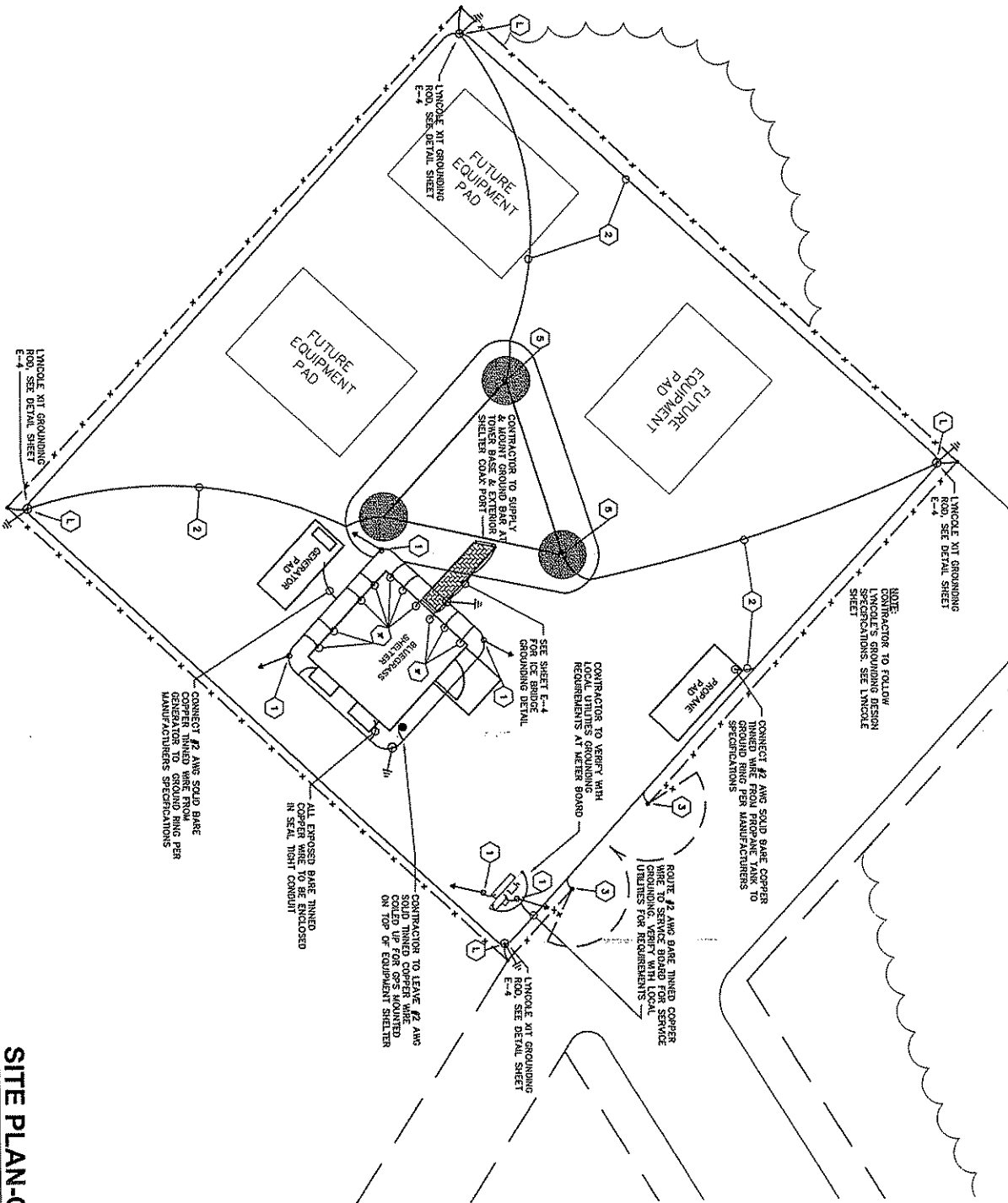
DETAIL



NOTES:

- X — FENCE LINE
- - - - BARE #2 SOLID TINNED COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
- ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
- ⊗ K2L-10CS (SEE DETAIL)
- DRIVEN ROD AT THE AC/ TELCO PANEL (PER NEC)

		CLIENT / END USER	
		RSB DESIGN/BLUEGRASS CELLULAR	
DRAWING PROJECT NAME		1 CUMBERLAND LAKE	
TITLE			
GROUNDING OPTION			
LOCATION: CITY, STATE		CALCULATED RESISTANCE	
JAMESTOWN, KY		< 5 OHMS	
DRAWN BY	APPROVED BY	DATE	
PD		05/23/2006	
SOIL DATA PROVIDED BY	REFERENCE NUMBER	SCALE	LTS NUMBER
TERRACON	NA	NONE	060086

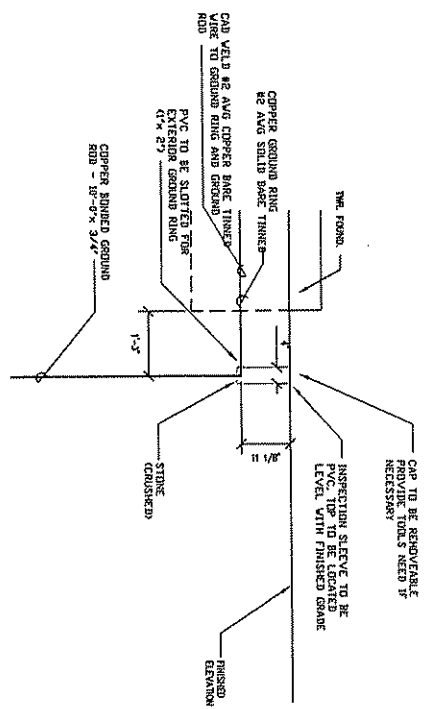


SITE PLAN-GROUNDING

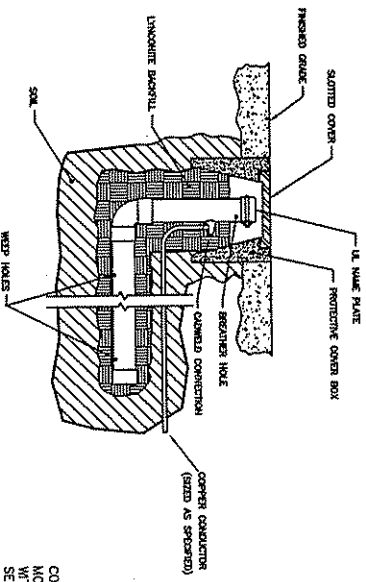
SCALE: 3/32" = 1'-0"

- 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 FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
 - 3) GROUND RING TO BE CONTINUED WITH IN THE COMPANY'S FENCED AREA.
 - 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES, SPACE FENCE GROUNDED APPROXIMATELY 20'-0" O/C. (GALD 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 SMOOTHING RADIUS OF 5" MINIMUM GROUNDRING CONNECTION TO BE IN PARALLEL.
 - 6) CONTACT POINTS FOR GROUNDRING TO BE CLEANED OF ANY RUST, PAINT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR, AREA THAT HAS BEEN CLEANED TO BE REPAIRED TO PREVENT RUSTING.
 - 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
 - 8) WHERE GROUND CONNECTIONS REQUIRE MECHANICAL BONDING, SURESS STEEL CONNECTIONS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
 - 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE THE PROPER CONNECTIONS TO THE TOWER AND WIREWORK AND WORKING A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
 - 10) CONTRACTOR RESPONSIBLE FOR NEG TESTING THE SITE SPECIFICATIONS.
- NOTE:**
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TALECO RUNS UNDER GROUND. TAPE TO BE INSTALLED AT 9" BELOW GRADE.
- NOTE:**
CONTRACTOR TO FOLLOW LYNCOLE'S GROUNDING SPECIFICATIONS WHEN USING THEIR XIT GROUNDING RODS. SEE DETAIL SHEET E-4.
- LEGEND:**
- 1) LYNCOLE XIT GROUNDING ROD TO BE INSTALLED WHERE SHOWN AND TO MEET MANUFACTURERS SPECIFICATIONS (SEE LYNCOLE SPECIFICATIONS)
 - 2) GROUNDING RODS 1/2" LONG x 3/4" COPPER (TYPICAL) SPACING OF RODS INDICATED ON PLAN.
 - 3) RETAIL AND SERVICE SOLID BARE THINNED COPPER WIRE #2 AWG GROUNDING WIRE TO BE USED FOR ALL TYPICAL CONNECTIONS TO BE PARALLEL AND "GALD WELD" CONNECTIONS.
 - 4) PLACED GROUNDRING STRIP TO BE USED TO PROVIDE A COMPLETE BOND BETWEEN GATE AND MAIN GROUND RING. #2 AWG SOLID BARE THINNED COPPER WIRE TO BE USED FOR ALL TYPICAL CONNECTIONS TO BE PARALLEL AND "GALD WELD" CONNECTIONS TO BE PROVIDED ON EACH 4 SECS TO GROUND RING AS DESCRIBED ABOVE.
 - 5) BONDING GROUND TO BE PROVIDED TO GROUND RING FOR EACH OF THE GATE STRUCTURE. FRAME SHALL BE BONDING DISCONNECT.
 - 6) FOR TOWER PLATE GROUNDING, BONDING GALVANIZED COATING COMPLETELY AT 360° TO "GAL WELD" TO AND CLEAN. #2 AWG SOLID BARE THINNED COPPER WIRE TO BE USED FOR ALL TYPICAL CONNECTIONS TO BE PARALLEL AND "GALD WELD" CONNECTIONS TO BE PROVIDED ON EACH 4 SECS TO GROUND RING. RIGHT ANGLES NOT ACCEPTED. ALL BENDS TO BE SMOOTH.

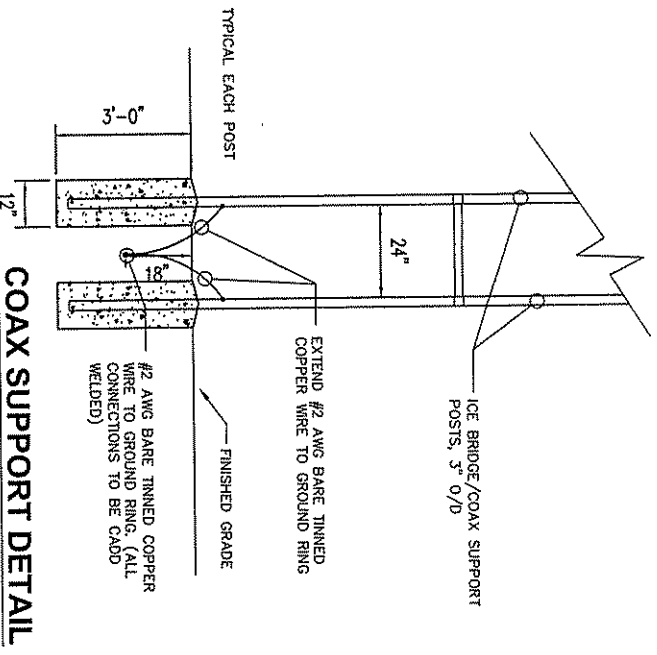
DRAWN BY: R. BECKER ISSUE DATE: 5-17-06 SCALE: LISTED	BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE CUMBERLAND LAKE 8685 S. HWY. 127 JAMESTOWN, KY. 42629	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">REVISION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISION										<p style="font-size: small;">8440 MERCURY DRIVE LOUISVILLE, KY. 40291 (603) 555-6647 Fax: (502) 521-2181</p>
NO.	DATE	REVISION													



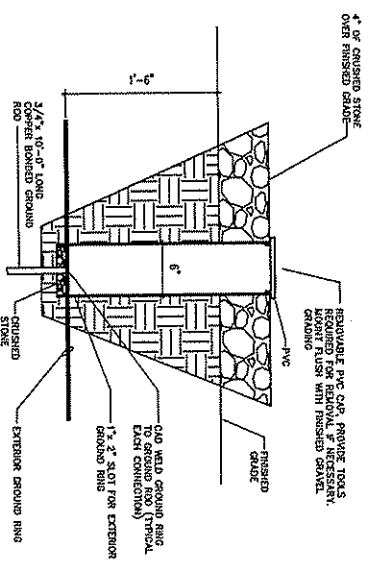
GROUND ROD DETAIL
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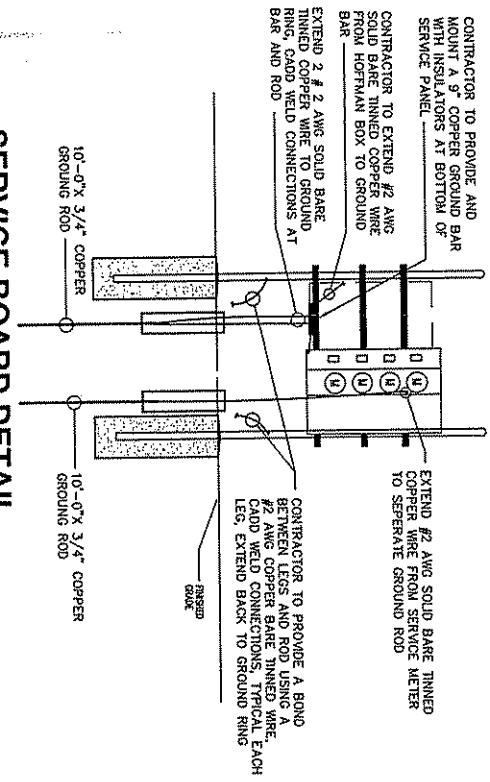
LYNCOLE XIT ROD DETAIL
NO SCALE



COAX SUPPORT DETAIL
NO SCALE




GROUND SLEEVE DETAIL
NO SCALE

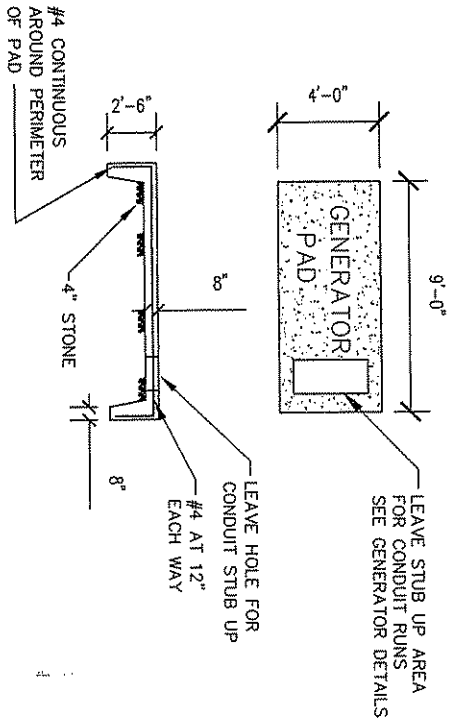


SERVICE BOARD DETAIL
NO SCALE

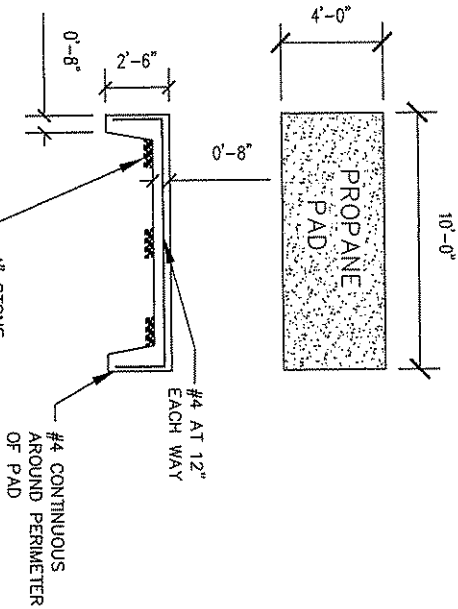
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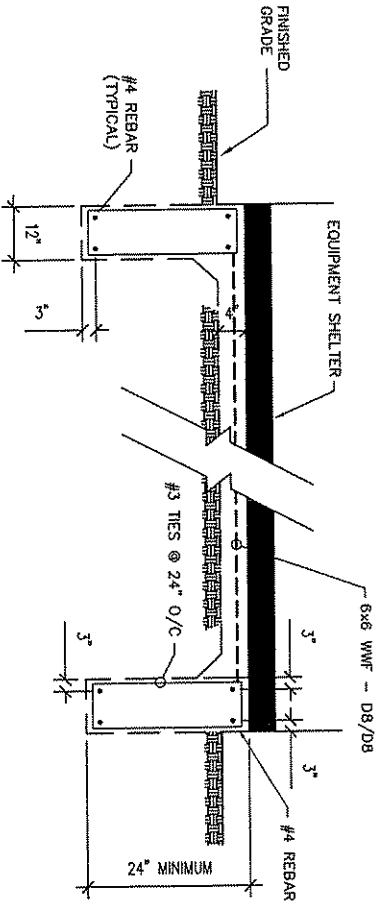
R.B.
 8403 MERCURY DRIVE LOUISVILLE, KY. 40291
 (502) 255-5127 Fax (502) 251-3333



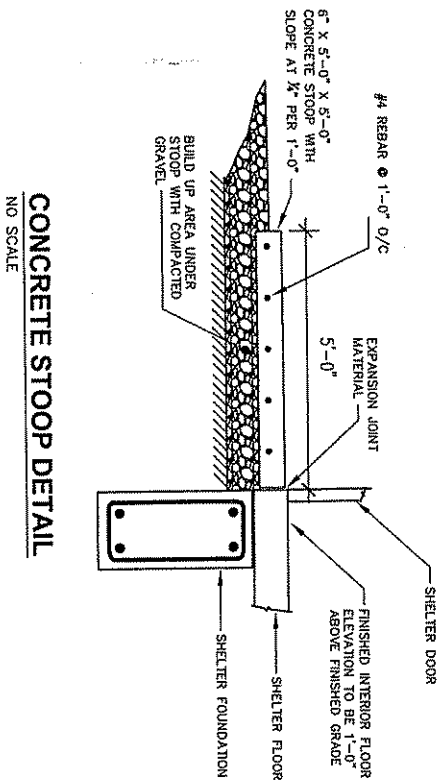
FOUNDATION DETAIL
NO SCALE



FOUNDATION DETAIL
NO SCALE



SHELTER FOUNDATION PLAN
NO SCALE



CONCRETE STOOP DETAIL
NO SCALE

DRAWN BY: R. BECKER ISSUE DATE: 5-17-06 SCALE: LISTED	BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE CUMBERLAND LAKE 6685 S. HWY. 127 JAMESTOWN, KY. 42628		NO. DATE REVISION _____ _____ _____	
	SHEET NUMBER S-1		6400 MERCURY DRIVE LOUISVILLE, KY 40215 (502) 451-1111	
	LISTED		_____	
	_____		_____	

INSTALLATION DRAWING

GENERAC®

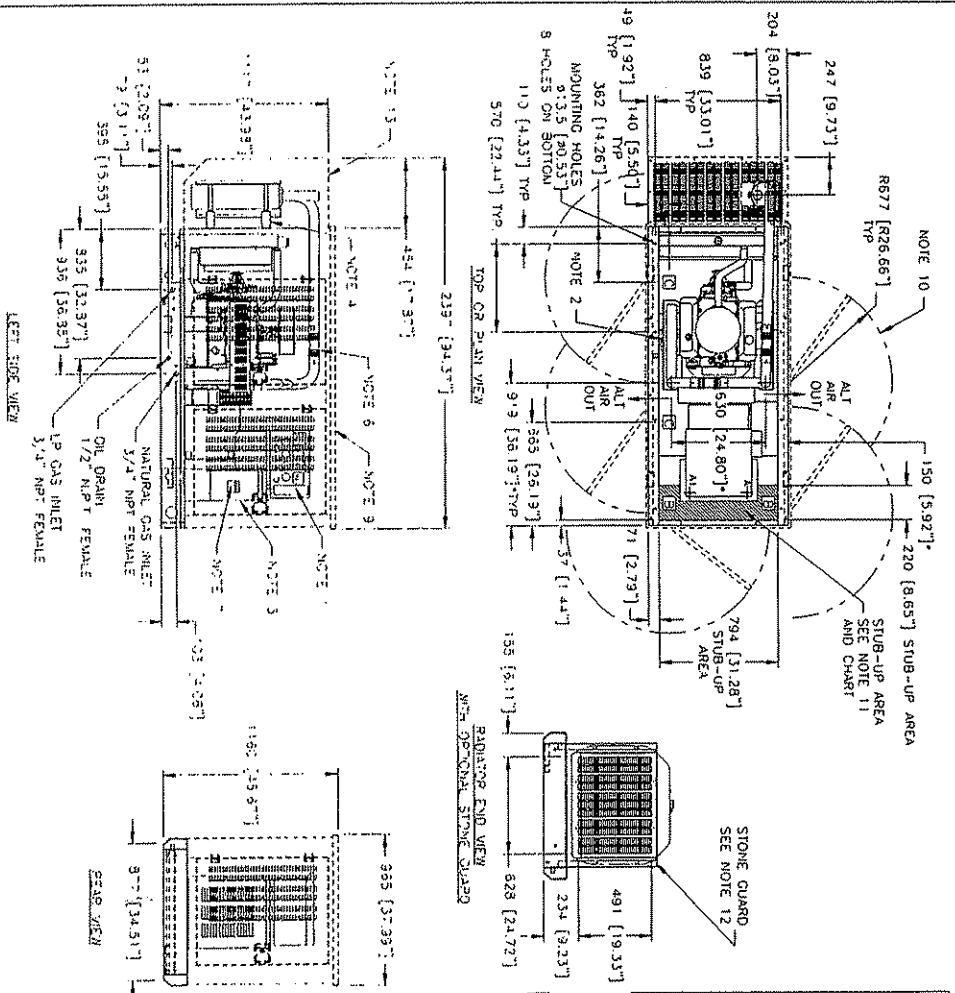
INSTALLATION DRAWING # C4505 REV -

SG035 & SG045

4.3 LITER SPARK-IGNITED ENGINE

NATURALLY ASPIRATED

ISSUE DATE 10/11/99



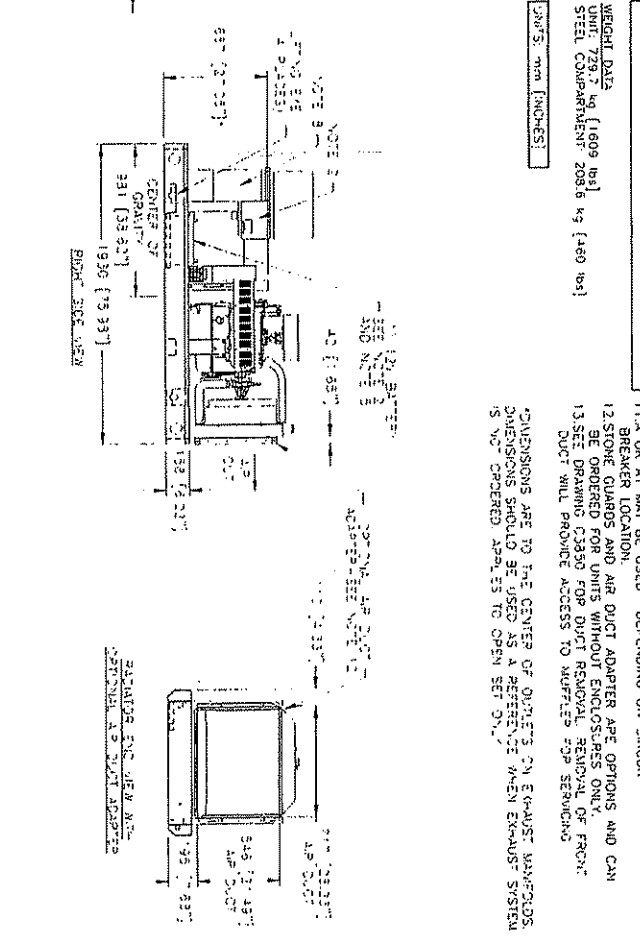
RECOMMENDED FUEL/ELECTRICAL STUB-UPS
(SEE TOP VIEW)

DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT)	A1
120V/240V AC FOR OPT. BATTERY CHARGER, OPT. BATTERY HEATER, AND BLOCK HEATER.	B
INSIDE STUB-UP FOR FUEL CONNECTIONS	C

NOTE:
FUEL SYSTEM SET UP WITH OUTSIDE STUB UPS (SEE LEFT SIDE VIEW). SMALL FUEL SYSTEM MODIFICATIONS REQUIRED FOR INSIDE STUB-UPS.

WEGHT DATA
UNIT: 729.7 kg (1609 lbs)
STEEL COMPARTMENT: 208.6 kg (460 lbs)

UNITS: mm (INCHES)



- ENGINE SERVICE CONNECTIONS**
- INLET UP GAS = 3/4" NPT, COUPLING
 - NATURAL GAS = 1/2" NPT COUPLING
 - OIL DRAIN = 1/2" NPT COUPLING
 - EXHAUST OUTLET = EXHAUST MANIFOLD AS SHOWN OR 2.5" OD MUFFLER OUTLET WITH ENCLOSURE
- NOTES:**
- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
 - STANDARD BLOCK HEATER REQUIRES 120V AC CONNECTION.
 - ALSO OPTIONAL BATTERY CHARGER & BATTERY HEATER.
 - CONNECTION POINTS FOR AC LOAD LEADS AND ENGINE AUTOMATIC START/STOP CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
 - EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL COMPARTMENT.
 - 12 VOLT NEGATIVE GROUND SYSTEM.
 - BATTERY TRAY INSIDE DIMENSIONS: 178 x 342.5 (7" x 13.5") UNITS, OPTIONAL, WITHOUT.
 - MAIN LINE CIRCUIT BREAKER.
 - REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
 - OPTIONAL COMPARTMENT.
 - DOORS MUST BE OPENED 90 DEG. TO BE REMOVED 11.4 OR AT MAY BE USED DEPENDING ON CIRCUIT BREAKER LOCATION.
 - STONE GUARDS AND AIR DUCT ADAPTERS ARE OPTIONS AND CAN BE ORDERED FOR UNITS WITHOUT ENCLOSURES ONLY.
 - SEE DRAWING C3830 FOR DUCT REMOVAL OR FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
- *DIMENSIONS ARE TO THE CENTER OF OUTLETS ON EXHAUST MANIFOLD. DIMENSIONS SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLICABLE TO OPEN SET ONLY.**

GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT RISK UP TO THE POINT OF START, ERECTION OF TOWER, AND CRANE SET. ALL COSTS ENCLOSED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE GATE PRIOR TO BEING OPENED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GATE NOT BEING LOCKED OR ON AROUND THE COMPOUND THAT COULD INTERFERE.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AGENCIES NECESSARY FOR INSPECTIONS IF REQUIRED. PLEASE PROVIDE ADEQUATE NOTICE.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE ADEQUATE NOTICE.
- 5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY ADEQUATE OR OWNER IMMEDIATELY.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
- 7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING. ANY PROBLEMS OR CHANGE FOUND CONTACT ADE OR OWNER TO VERIFY.
- 8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONSTRUCTION FINAL LIGHTING TO BE ADJUSTED 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. WORK TO BE DONE IN COMPLIANCE WITH OSHA RULES AND REGULATIONS.
- 10) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE ACCESS AND EGRESS. ALL ACCESS AND EGRESS CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR ANY SEED AND STRAY NECESSARY TO DAMAGED AREAS.
- 12) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.

NOTE:

- UPON COMPLETION OF ALL CONSTRUCTION WORK, THE CONTRACTOR WILL BE RESPONSIBLE FOR SUBMITTING CLOSEOUT DOCUMENTATION ON DISK FORMAT ONLY, CONTAINING THE FOLLOWING CLOSE OUT DOCUMENTATION:
 - ASBUILT CONSTRUCTION DRAWINGS
 - SWEEP TEST
 - GROUND TEST USING BLUEGRASS FORM
 - ELECTRICAL COMPLIANCE CERTIFICATE (LEGIBLE COPY)
 - BUILDING PERMIT
 - SITE PHOTOS (ALL SIDES)
 - PREPAREBLY ON DISK

"BEFORE YOU DIG"

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 1-800-732-6007, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF BURIED UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER PRIOR TO ANY EXCAVATION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL AND GROUNDING TECHNIQUES PROVIDED A WARNING TAP @ 12 INCHES BELOW GRADE.

GRADING & EXCAVATING NOTES:

- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, FENCES AND PAVING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 2) PREPARATION FOR FILL:
 - REMOVAL OF ALL DEBRIS, WEEDS AND UNSATISFACTORY SOIL FROM SITE. ALL EXCAVATION SHALL BE FILL WITH TOP SOIL. PROTECT EXISTING PAVING FROM SLIPAGE OF BREAKING UP OF SLOPED SURFACES. GREATER THAN 1 VERTICAL TO 4 HORIZONTAL. 50 MATERIAL FOR FILL WILL BE BOUND TO EXISTING SURFACE. WHEN AREA TO RECEIVE THE GRASS AND SEEDS TO BE BOUND TO EXISTING SURFACE. REPAIR, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 3) BACK FILLING:
 - EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLDS OVER 2 1/2" MAXIMUM SIZE. ALL EXCAVATED AREAS SHALL BE A SIX STANDARD PROCTOR USE A 90 PROCTOR IN GRASS / UNCOVERED AREAS WHERE REQUIRED.
 - SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH ENGINEER PRIOR TO FILL BEING ADDED.
- 4) ALL MATERIAL FOR FILL TO BE APPROVED BY ENGINEER AND ALL COMPACTING TEST TO BE COMPLETED TO SPECS. ALL ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, MATERIAL SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH COMPLETE.
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTITUTED WITH FINEST GRADE SAND AND EXCESS GROUND WATER.
- 7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE FLOOR SOIL IS TO BE EXCAVATED TO THE FULL DEPTH AND REPAIRED WITH CONCRETE. ON THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE CONTACT OWNER & ENGINEER FOR RECOMMENDATIONS.
- 8) MECHANICALLY COMPACTED GRANULAR MATERIAL, OR 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 CONTACT ENGINEER FOR RECOMMENDATIONS.

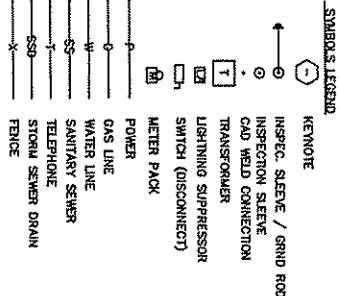
NOTE:

GENERAL CONTRACTOR MUST HAVE A PHASE OF CONSTRUCTION FOR EMPLOYEE SAFETY PRECAUTIONS.

NOTE: THIS SCOPE OF WORK IS A BASIC OUTLINE FOR THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF THE PROJECT. THE GENERAL CONTRACTOR'S RESPONSIBILITIES TO COMPLETE THE CELLULAR SITE. IT IS RECOMMENDED THAT THE SPECIFICATIONS MANUAL BE READ PRIOR TO CONSTRUCTION. SEE R39 DESIGN IF SPECIFICATIONS MANUAL IS NEEDED. 502-589-9427

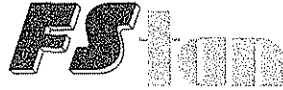
NOTE: CONTRACTOR TO SUPPLY AND INSTALL 1-30 GALLON TRASH CAN INSIDE EQUIPMENT SHELTER WITH SUPPLY OF TRASH BAGS IN BOTTOM. (COLOR OPTIONAL)

SYMBOLS LEGEND



- INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- INSTALL ELECTRICAL AND GROUND FIELD FOR COMPOUND.
- EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT. (BROWNED FOUNDATION)
- GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET/REMOVE BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BEST/BEARER CELLULAR.
- GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)
- GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE AND HOOP-UP.
- GC WILL BE RESPONSIBLE FOR CLEANING THE INSIDE OF BUILDING BEFORE 1 HAND OVER TO OPERATIONS DEPARTMENT. THIS WILL INCLUDE SUPPLYING TRANSDUCER, TRASH BAGS, BROOM, AND DUCKWALK FOR BUILDING.
- GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAVING NECESSARY FEES REQUIRED.
- ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION (KIT, ETC)) WILL NEED TO BE PICKED UP BY GC.
- ALL ALARMS WILL NEED TO BE HOOKED UP BY GC. THIS IS TO INCLUDE: GENERATOR ALARM AND TOWER LIGHT ALARM. (TO BLUEGRASS CELLULAR INC. ALARM BLOOD)
- GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVA/PA) 502-267-6515
- 11 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE 11 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)
- GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- GC TO SEPARATE ALL MATERIALS & LABOR IN BID.
- CONTRACTOR TO BREAK DOWN BIDS USING THE FOLLOWING LINE ITEMS:
 - RENO
 - FENCE
 - COMPOUND DEVELOPMENT
 - BUILDING, PROPANE, AND GENERATOR FOUNDATIONS
 - GROUNDING
 - YEL CO
 - ELECTRIC
 - BUILDING SET
 - ICE BRIDGE
 - TOWER FOUNDATION
 - TOWER ERECTION
 - LINE INSTALL
 - ANTENNA INSTALL
 - PERMITS

DRAWN BY: R. BECKER ISSUE DATE: 5-17-06 SCALE: LISTED	BLUEGRASS CELLULAR, INC. STANDARD CELLULAR SITE CUMBERLAND LAKE 8685 S. HWY. 127 JAMESTOWN, KY. 42629	NO. DATE REVISION	
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Land Surveyors and Consulting Engineers

10000 Highway 100, Suite 100, Louisville, KY 40217
Phone: (502) 636-5111 Fax: (502) 636-5263

Site Name: LAKE CUMBERLAND DAM

DRIVE TO DIRECTIONS

From the County seat of Russell County, Kentucky in Jamestown take U.S. Highway 127 South 8.9 miles to an existing gravel entrance on the right at an existing residence. Turn right onto the gravel drive, then an immediate left and follow said gravel road to the existing boat storage facility. The site is located approximately 200' Northwest of the boat storage facility.

Lake Cumberland Dam
Site Name:

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 1 day of Apr, 2006, by and between David L. Mann and Wanda Gale Mann whose address is 310 D Mann Road, Jamestown, KY 42629 (the "Optionor (s)" and Cumberland Cellular 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 Russell County, Kentucky as more particularly described on Exhibit A attached hereto and incorporated herein by reference (the "Property"); and

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

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

Site Name:

1. In consideration of **One Thousand Two Hundred Dollars and Zero Cents (\$1,200.00)** 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 4-1-07, (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

Site Name:

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

Site Name:

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

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

Site Name:

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **310 D Mann Road, Jamestown, KY 42629**; the Optionee's address shall be: **2902 Ring Road, Elizabethtown, KY 42701**.
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 **Russell** 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 **three (3) 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%**.

Site Name:

2. The Optionee shall pay to the Optionor(s) rent for the Property in the sum of Eight Thousand Four Hundred Dollars and Zero Cents (\$8400.00) 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.

Site Name:

EXECUTION OF AGREEMENT(S)

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

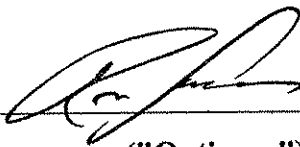
David L. Mann

Wanda G. Mann

("Optionor(s)")

By: David L. Mann & Wanda Gale Mann
Property Owner

Date: 4-1-06



("Optionee")

By: Ron Smith
Authorized Representative

Date: 4-3-06

Site Name:

STATE OF Kentucky
COUNTY OF Russell

The foregoing instrument was acknowledged before me this 1 day of April, 2006,
by David + Wanda Mann to be his/her free act and deed.

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

STATE OF Kentucky
COUNTY OF Hardin

The foregoing instrument was acknowledged before me this 3 day of April,
2006, by Ron Smith, to be his free act and deed.

Julie Vial
NOTARY PUBLIC STATE OF LARGE
My commission expires: 1-21-09

This instrument prepared by:

John Selent

John E. Selent

DINSMORE & SHOHL LLP

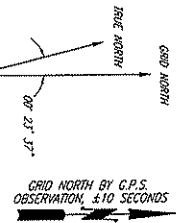
1400 PNC Plaza

500 West Jefferson Street

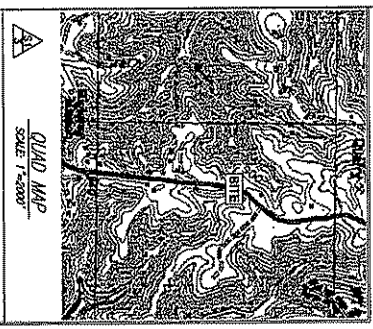
Louisville, KY 40202

(502) 540-2300

- VICINITY AND 500' STRUCTURAL MAP
- ABUTTING PROPERTY OWNERS
- U.S.G.S. QUAD MAP
- SHEET 2
- PROPOSED LEASE AREA
- LEGAL DESCRIPTIONS
- FLOOD ZONE DATA



NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM. SOUTH ZONE AND WAS DETERMINED BY COMPARISON FROM G.P.S. OBSERVATION ON APRIL 21, 2008.

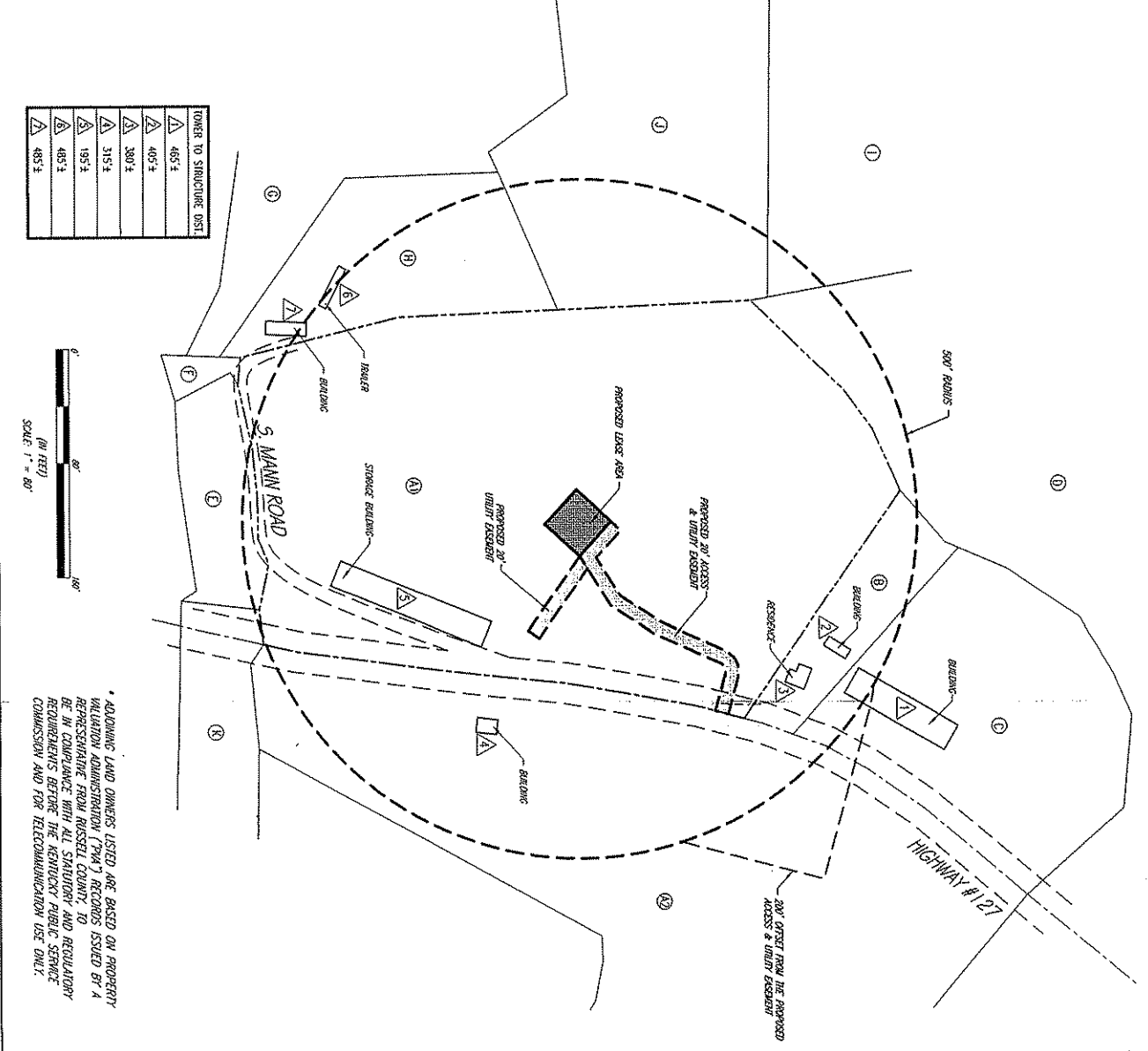


U.S.G.S. 7 1/2 MINUTE QUAD MAP OF JAMESTOWN, KY
SCALE 1" = 400'

TOWER TO STRUCTURE DIST
465.4
405.3
300.2
315.4
195.3
485.3
485.3



* ADJOINING LAND OWNERS LISTED ARE BASED ON PROPERTY VALUATION ADMINISTRATION ("PA") RECORDS ISSUED BY A REPRESENTATIVE FROM RUSSELL COUNTY, TO BE IN COMPLIANCE WITH ALL STATUTORY AND REGULATORY REQUIREMENTS BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION AND FOR TELECOMMUNICATION USE ONLY.



- ① MAP 26, PART OF LOT 51.01
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ② MAP 26, PART OF LOT 51.01
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- ③ MAP 26, LOT 51
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DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊳ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊴ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊵ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊶ MAP 26, LOT 51
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JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊷ MAP 26, LOT 51
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JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
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- ㊸ MAP 26, LOT 51
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JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊹ MAP 26, LOT 51
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JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊺ MAP 26, LOT 51
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BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊻ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊼ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING
- ㊽ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
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NO ZONING
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DEED BOOK 113, PAGE 26
NO ZONING
- ㊿ MAP 26, LOT 51
DAVID, RAND & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING

FS LAND SURVEYING & CONSULTING ENGINEERS

F.S. Land Company
T. Alan Neal Company
Land Surveyors and Consulting Engineers
PO Box 17946 2315/2315 Ciltenden Drive
Louisville, KY 40217
Phone: (502) 636-5086 (502) 636-5111
Fax: (502) 636-5283

BLUEGRASS CELLULAR

2902 RING ROAD
ELIZABETHTOWN, KY 42702

SITE NAME: LANE CUMBERLAND DAM	
SITE ADDRESS: 8655 SOUTH US HWY 127 JAMESTOWN, KY 42629	
PROPOSED LEASE AREA: AREA = 4,900 SQ. FT.	
PROPERTY OWNER: DAVID & WANDA MANN BOX 104, ROUTE 2 JAMESTOWN, KY 42629	
MAP NUMBER: 26	
PROJECT NUMBER: 33	
SOURCE OF TITLE: DEED BOOK 113, PAGE 26	
DWG. BY: DAG	DATE: 05.11.06
DWG. BY: FSW	DATE: 05.11.06
TS/MW PROJECT NO.: 06-3065	
REVISIONS:	
C1	

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2006-00201

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 Cumberland Cellular Partnership and am submitting this affidavit in conjunction with the above referenced matter.

2. Pursuant to 807 KAR 5:063 §1(1)(I), the attached list containing the names of the residents/tenants and property owners within 500 feet of the proposed tower 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. A copy of the certified mail return receipts for each of the above property owners that show proof of service is attached hereto.

4. The addresses for Leonard Dale Mann, Callie Anderson, and David and Wanda Mann are P.O. Boxes and therefore cannot be served by U.S. Certified Mail, pursuant to 807 KAR 5:063 § 1(l) and (m).

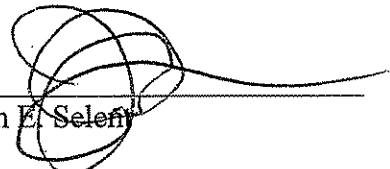
5. For the reason set forth in paragraph 4, the written notice of the proposed construction for Leonard Dale Mann, Callie Anderson, and David and Wanda Mann were sent via U.S. Express Mail. The proof of service is attached hereto.

6. The written notice of the proposed construction that was sent via U.S. Certified Mail to E.R. Shelbourne, and Curtis and Jo Ann Lancaster were returned marked "Return to Sender - Other Reason - Unable to forward" and therefore was never served upon nor delivered to the intended recipients.

7. The written notice of the proposed construction that was sent via U.S. Certified Mail to Kenneth Pierce was returned marked "Return to Sender - Refused ; Unable to Forward" and therefore was never served upon nor delivered to the intended recipient.

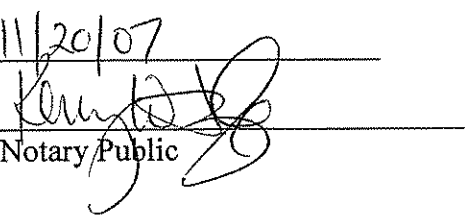
8. For the reasons set forth in paragraph 6 and 7, the written notice of the proposed construction for, Kenneth Pierce, E.R. Shelbourne, and Curtis and Jo Ann Lancaster were sent U.S. First Class Mail.

Further Affiant saith not.


John E. Selenik

COMMONWEALTH OF KENTUCKY)
)SS:
COUNTY OF JEFFERSON)

SUBSCRIBED AND SWORN to before me this 21st day of June, 2006.

My commission expires: 11/20/07

Notary Public



Land Surveyors and Consulting Engineers

2315 Crittenden Drive PO Box 17546 Louisville, KY 40217
Phone: (502) 636-5111 (502) 635-5866 Fax: (502) 636-5263

Site Name: LAKE CUMBERLAND DAM

500' RADIUS & ADJOINING LANDOWNER LIST

MAP 26, PART OF LOT 51.01
MANN, DAVID & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING

MAP 26, PART OF LOT 51.01
WRIGHT, JOHN & CAROLYN
3820 TOWNSEND ANGLING ROAD
COLLINS, OH 44826
DEED BOOK 122, PAGE 226
NO ZONING

MAP 26, LOT 33
MANN, DAVID & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING

MAP 26, LOT 51
MANN, DAVID & WANDA
BOX 104, ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 113, PAGE 26
NO ZONING

MAP 26, LOT 28
ORCHARD, QUINTON
7798 S. U.S. HWY. 127
JAMESTOWN, KY 42629
DEED BOOK 54, PAGE 43
NO ZONING

MAP 26, LOT 52
ANDERSON, CALLIE
ROUTE 2
JAMESTOWN, KY 42629
DEED BOOK 35, PAGE 554
NO ZONING

MAP 26, LOT 53
BELL, STEVE & CATHY
171 D. MANN ROAD
JAMESTOWN, KY 42629
DEED BOOK 109, PAGE 479
NO ZONING



Land Surveyors and Consulting Engineers
Formerly F.S. Land & T. Alton Neal Company

MAP 26, LOT 49
LANCASTER, CURTIS & JO ANN
440 ROBINWOOD DRIVE
SHELBYVILLE, KY 40065
DEED BOOK 68, PAGE 410
NO ZONING

MAP 26, LOT 50
MANN, STEVE
146 S. MANN ROAD
JAMESTOWN, KY 42629
DEED BOOK 105, PAGE 297
NO ZONING

MAP 26, LOT 36
PIERCE, KENNETH
505 D. MANN ROAD
JAMESTOWN, KY 42629
NO DEED OF RECORD FOUND
NO ZONING

MAP 26, LOT 10
SHELBURNE, E.R.
440 ROBINWOOD DRIVE
SHELBYVILLE, KY 40065
DEED BOOK 73, PAGE 34
NO ZONING

MAP 38, LOT 5
MANN, LEONARD DALE
P.O. BOX 249
JAMESTOWN, KY 42629
DEED BOOK 193, PAGE 426
NO ZONING

May 19, 2006

John and Carolyn Wright
3820 Townsend Angling Road
Collins, Ohio 44826

Public Notice

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

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 8685 South Highway 127, Jamestown, Kentucky, 42629. 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 2006-00201 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <input checked="" type="checkbox"/> <i>Carolyn Wright</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
	B. Received by (Printed Name) C. Date of Delivery <i>Carolyn Wright</i> <i>5/23/06</i>
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
1. Article Addressed to: <i>John & Carolyn Wright 3820 Townsend Angling Rd 3820 Collins, Ohio 44826</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label)	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
	<i>7005 1160 0000 2923 4822</i>

May 19, 2006

Quinton Orchard
7798 South U.S. Highway 127
Jamestown, Kentucky 42629

Public Notice

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<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Quinton Orchard 7798 S. U.S. Hwy 127 Jamestown, KY 42629	B. Received by (Printed Name) Serry Hoye	C. Date of Delivery 5/22/06
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
7005 1160 0000 2923 4839		

May 19, 2006

Steve and Cathy Bell
171 D. Mann Road
Jamestown, Kentucky 42629

Public Notice

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<ul style="list-style-type: none">■ Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <input checked="" type="checkbox"/> <i>Steve Bell</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee
1. Article Addressed to: <i>Steve & Cathy Bell 171 D. Mann Rd. Jamestown, KY 42629</i>	B. Received by (Printed Name) <i>STEVE BELL</i> C. Date of Delivery <i>5-22-06</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

7005 1160 0000 2923 4846

May 19, 2006

Steve Mann
146 South Mann Road
Jamestown, Kentucky 42629

Public Notice

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Frankfort, Kentucky, 40602.

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SENDER COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>Steve Mann</i></p> <p>B. Received by (Printed Name) <input type="checkbox"/> Agent <i>STEVE MANN</i> <input checked="" type="checkbox"/> Addressee</p> <p>C. Date of Delivery <i>5-22-06</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p><i>Steve Mann</i> <i>146 South Mann Rd.</i> <i>Jamestown, KY</i> <i>42629</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7005 1160 0000 2923 4860</p>

May 19, 2006

Kenneth Pierce
505 D. Mann Road
Jamestown, Kentucky 42629

Public Notice

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

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

Please refer to case number 2006-00201 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)

Plaza, 500 West Jefferson Street
40202



7005 1160 0000 2923 4877



smore & Shohl LLP
ATTORNEYS

5-22-06
REFUSED

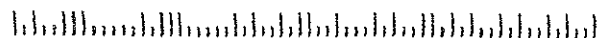
Kenneth Pierce
505 D. Mann Road
Jamestown, Kentucky 42629

NIXIE 403 1 \$4 05/24/06 11

RETURN TO SENDER
REFUSED
UNABLE TO FORWARD

BC: 40202222399 *0570-08892-19-44

40202222399



May 19, 2006

Curtis and Jo Ann Lancaster
440 Robinwood Drive
Shelbyville, Kentucky 40065

Public Notice

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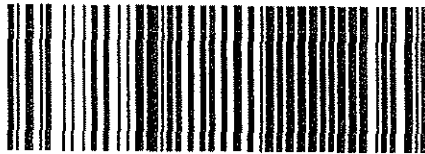
The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

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

Please refer to case number 2006-00201 in your correspondence.

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CERTIFIED MAIL™



7005 1160 0000 2923 4853



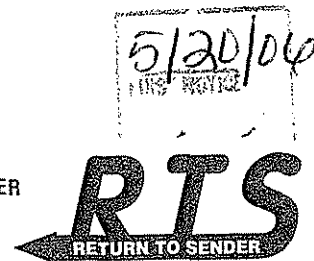
Plaza, 500 West Jefferson Street
KY 40202

ismore&Shohl LLP
ATTORNEYS

UNC

Curtis and Jo Ann Lancaster

4 — A INSUFFICIENT ADDRESS
3 ATTEMPTED NOT KNOWN
3 NO SUCH NUMBER/ STREET
 NOT DELIVERABLE AS ADDRESSED
- UNABLE TO FORWARD



RETURN TO SENDER
OTHER REASON
UNABLE TO FORWARD

40202281050 *0570-08668-19-44



May 19, 2006

E. R. Shelburne
440 Robinwood Drive
Shelbyville, Kentucky 40065

Public Notice

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Frankfort, Kentucky, 40602.

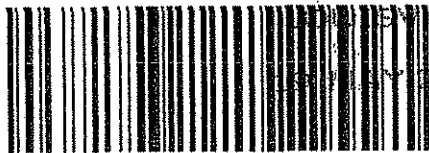
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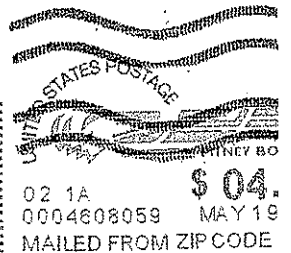
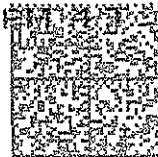
PNC Plaza, 500 West Jefferson Street
Cincinnati, KY 40202

Shelburne & Shohl LLP
ATTORNEYS

CERTIFIED MAIL



7005 1160 0000 2923 4884



UNCLAIMED

E. R. Shelburne
440 Robinwood Drive

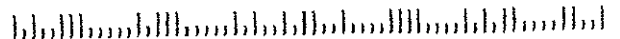
- A INSUFFICIENT POSTAGE
- C ATTEMPTED
- S NO SUCH NAME OR ADDRESS
- NOT DELIVERABLE - UNABLE TO FORWARD

NIXIE 403 1 34 06/067

RETURN TO SENDER
OTHER REASON
UNABLE TO FORWARD

BC: 40202281030 *1770-20195-19-

402022810



May 19, 2006

Leonard Dale Mann
P.O. Box 249
Jamestown, Kentucky 42629

Public Notice

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Frankfort, Kentucky, 40602.**

Please refer to case number 2006-00201 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)



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Search Results

Label/Receipt Number: **ER28 3588 477U S**
Status: **Delivered**

Your item was delivered at 11:10 am on May 20, 2006 in JAMESTOWN, KY 42629. The item was signed for by W MANN.

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Enter Label/Receipt Number.

[Additional Details >](#)

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Track & Confirm

Search Results

Label/Receipt Number: ER28 3588 477U S
Detailed Results:

- Delivered, May 20, 2006, 11:10 am, JAMESTOWN, KY 42629
- Arrival at Unit, May 20, 2006, 6:28 am, JAMESTOWN, KY 42629
- Enroute, May 20, 2006, 4:11 am, SOMERSET, KY 42501
- Enroute, May 19, 2006, 6:01 pm, LOUISVILLE, KY 40231
- Acceptance, May 19, 2006, 11:09 am, LOUISVILLE, KY 40270

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May 19, 2006

Callie Anderson
Route 2
Jamestown, Kentucky 42629

Public Notice

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

Bluegrass Cellular is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 8685 South Highway 127, Jamestown, Kentucky, 42629. 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 2006-00201 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)



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Search Results

Label/Receipt Number: **ER28 3588 485U S**
Status: **Delivered**

Your item was delivered at 11:10 am on May 20, 2006 in JAMESTOWN, KY 42629. The item was signed for by W MANN.

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Label/Receipt Number: ER28 3588 485U S
Detailed Results:

- Delivered, May 20, 2006, 11:10 am, JAMESTOWN, KY 42629
- Arrival at Unit, May 20, 2006, 6:28 am, JAMESTOWN, KY 42629
- Enroute, May 20, 2006, 4:11 am, SOMERSET, KY 42501
- Enroute, May 19, 2006, 6:01 pm, LOUISVILLE, KY 40231
- Acceptance, May 19, 2006, 11:11 am, LOUISVILLE, KY 40270

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May 19, 2006

David and Wanda Mann
Box 104, Route 2
Jamestown, Kentucky 42629

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

Please refer to case number 2006-00201 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)



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Label/Receipt Number: ER28 3588 463U S
Status: Delivered

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Label/Receipt Number: ER28 3588 463U S
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- Delivered, May 20, 2006, 11:10 am, JAMESTOWN, KY 42629
- Arrival at Unit, May 20, 2006, 6:28 am, JAMESTOWN, KY 42629
- Enroute, May 20, 2006, 4:11 am, SOMERSET, KY 42501
- Enroute, May 19, 2006, 6:01 pm, LOUISVILLE, KY 40231
- Acceptance, May 19, 2006, 11:06 am, LOUISVILLE, KY 40270

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Dinsmore & Shohl LLP
ATTORNEYS

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

May 19, 2006

Via Certified Mail

Russell County Judge Executive
Courthouse
410 Monument Square
Jamestown, KY 42629

RE: Public Notice - Public Service Commission of Kentucky
Case No. 2006-00201

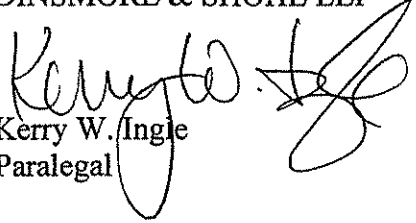
Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky (the Commission) for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #5 in Russell County. The facility will include a 240 ft. tower and an equipment shelter to be located at 8685 South Highway 127, Jamestown, Kentucky, 42629. 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 2006-00201 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP


Kerry W. Ingle
Paralegal

enclosure

KWI

SENDER COMPLETE THIS SECTION

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

1. Article Addressed to:

Russell County Judge Exec.
Courthouse
410 Monument Square
Jamestown, KY 42629

2. Article Number
(Transfer from service label)

7005 1160 0000 2923 4891

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
Lesley Berger 5/23/06

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

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

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

Cumberland Cellular
Partnership
P.O. Box 5012
2902 Ring Road
 Elizabethtown, KY 42701

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

Please refer to P.S.C.

Case #2006-00201

in your correspondence.

PUBLIC NOTICE

Cumberland Cellular Partnership
proposes to
construct a cellular
communications

TOWER

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

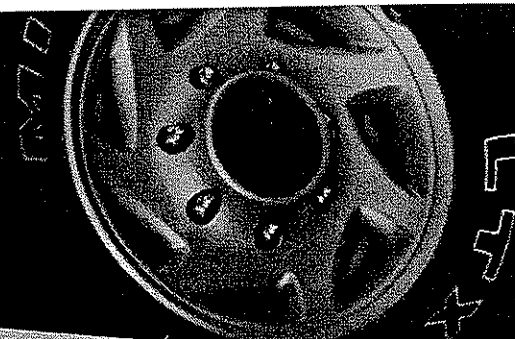
Cumberland Cellular
Partnership
P.O. Box 5012
2902 Ring Road
 Elizabethtown, KY 42701

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

Please refer to P.S.C.

Case #2006-00201

in your correspondence.



The Times Journal
P. O. Box 190
Russell Springs, KY 42642

Dinsmore & Shol
1400 PNC Plaza
Louisville KY 40202

State of Kentucky

County of Russell ss

Stephanie Smith, of the city of Russell Springs, in said county and state, being duly sworn, on her oath says that she is the Advertising Representative of The Times Journal, a weekly newspaper of general circulation published in said city, and that the notice, a printed copy of which is hereto annexed, was published in said newspaper for ONE (1) consecutive weeks which publication was made on:

May 25, 2006 1x6

Stephanie Smith

Subscribed and sworn to before me this 1 day

of

June 2006

I Greg Wells *Greg Wells* a Kentucky
Notary Public ~~Special~~ commission, for acts
performed in or outside Kentucky for recordation in
Kentucky; my commission expires: 5 January,
2010.

Total= 31.50

CLASSIFIED

LEGAL NOTICES

NOTICE OF APPOINTMENT OF EXECUTRIX: Notice is hereby given that Faye Blankenship, 2221 Arlis Hale Road, Russell Springs,

LEGAL NOTICES

Kentucky 42642 has this 15th day of May, 2006 been appointed Executrix in the estate of Ernie Blankenship and any person having a claim against the said estate shall file the same with the above individual acting on behalf of the estate or the attorney for the estate within six months from the day of said appointment. 6-8

LEGAL NOTICES

given that Caroline Sorrells v was appointed Executrix in estate of William Sorrells on 13th day of June, 2005 has fi her final settlement with this of on the 27th day of April, 20 Any exceptions must be filed required by law on or before 12th day of June, 2006 at the h of 9:00 a.m. at which time a he ing will be held on any excepti filed. The hearing will be helk the Russell District Courtroom the Russell Courthouse Jamestown, Kentucky. 5-25

NOTICE

Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #5 of the Commonwealth of Kentucky (Lake Cumberland Dam Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 8685 South Highway 127, Jamestown, Kentucky, 42629. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2006-00201 in your correspondence.

NOTICE OF APPOINTMENT OF EXECUTOR: Notice is hereby given that Charles J. Blankenship has this 15th day of May, 2006 been appointed Executor in the estate of Mallie Blankenship and any person having a claim against the said estate shall file the same with the above individual acting on behalf of the estate or the attorney for the estate, Hon. David F. Smith, within six months from the day of said appointment. 6-8

NOTICE OF APPOINTMENT OF EXECUTOR: Notice is hereby given that Charles J. Blankenship has this 15th day of May, 2006 been appointed Executor in the estate of Herald Blankenship and any person having a claim against the said estate shall file the same with the above individual acting on behalf of the estate or the attorney for the estate, Hon. David F. Smith, within six months from the day of said appointment. 6-8

NOTICE OF FILING OF FINAL SETTLEMENT: Notice is hereby

NOTICE OF APPOINTMENT ADMINISTRATOR: Notice hereby given that Anthony Foster, P.O. Box 841, Jamesto Kentucky 42629, has this 15th of May, 2006 been appoiir Administrator in the estate Lendon Foster and any person l ing a claim against the said es shall file the same with the ab individual acting on behalf of estate at the address shown or attorney for the estate within months from the day of : appointment. 6-8

NOTICE OF APPOINTMENT ADMINISTRATOR: Notice hereby given that Dale Ande has this 9th day of May, 2006 l appointed Administrator in estate of Ottis Anderson, Sr. any person having a claim age the said-estate shall file the s with the above individual actin behalf of the estate at the add shown or the attorney for estate, Hon. Jeffrey Hoover, wi six months from the day of. appointment. 6-1

NOTICE OF APPOINTMENT CO-EXECUTOR/EXECUTIF Notice is hereby given that M Baldwin and Jeffrey Dettor

Dismissed! Shel 5-25-06



Jax's Cool Convenience Store has immediate openings for Cashier / Cook.

Must have a good personality, friendly and neat appearance. Experience would be a plus.

The Times Journal
P. O. Box 190
Russell Springs, KY 42642

Dinsmore & Shol
1400 PNC Plaza
Louisville KY 40202

State of Kentucky

County of Russell ss

Stephanie Smith, of the city of Russell Springs, in said county and state, being duly sworn, on her oath says that she is the Advertising Representative of The Times Journal, a weekly newspaper of general circulation published in said city, and that the notice, a printed copy of which is hereto annexed, was published in said newspaper for ONE (1 consecutive weeks which publication was made on:

May 27, 2006 1x6

Stephanie Smith

Subscribed and sworn to before me this 1 day
of

June 2006

I Greg Wells *[Signature]* a Kentucky
Notary Public-Special commission, for acts
performed in or outside Kentucky for recordation in
Kentucky; my commission expires: 5 January,
2010.

Total= 26.00

or older. Outside
urs, please call.
river CDL with
B ok. 270-866-
110. 5-25

ROUTE for the
erald Leader.
monthly profit
ed reliable trans-
lity to be bonded.
1355 x 1390 or
-8

AITRESSES and
a.m. and p.m.
chor Inn. Apply
and 2:00 p.m. at
Café. No phone

L about our New
at! You get great
es, & home every
ammy: 800-828-

RENT

F. 2 bedroom, 2
and application.
5. 71/1f

Duplex, located
rhood in Russell
p bedroom, 1 1/2
and heat. Stove
furnished. NO pets
e good reference
equired. Ph. 270-

OR MH. Close to
Water, furnished,
od, quiet. Call
1

0 Mobile Home.
wo baths, dish-
frigerator. Large
ets. \$375/month
Phone 270-866-

RENT: 2 bed-
Private lot. No
13-2932. 6-1

JAMESTOWN: 1
ent. Appliances,
furnished. \$250
posit. 343-3662
5

AUTOMOBILES

2003 YAMAHA MOTORCYCLE:
tr 90cc, like new, just taking up
space in the garage. Electric start,
less than 3 hours. Call 270-585-
1590 or 866-7545. Will take 1/2
price. \$850. 94/1f

FOR SALE

STOP SCRATCHING & GNAW-
ING Promote healing & hair
growth. Stamp out ITCHAMA-
CALLITS! Shampoo with Happy
Jack® Itch No More, apply Skin
Balm®, add Tonekote® to diet.
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HUNGER. Lose weight now with
ShapeWorks™ FREE Consultation
270-866-7172. 1f

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Kitchen Aid, Whirlpool, Roper, GE,
Hotpoint & Jen Air major appli-
ances, RCA & GE Electronics,
Ashley Wood Heaters and Atlanta
Gas Heaters. Also, an authorized
agent for Bluegrass Cellular. Free
Delivery & Service after the sale.
Hwy 127 by-pass Russell Springs,
Kentucky. Phone (270) 866-5841.
"Give us a try . . . before you buy!"
102/1f

SAVE 100's! CLEARANCE
SALE! BRYANT'S FURNITURE
& APPLIANCES on Hwy 80. 270-

Mobile Homes and Lot. \$0 down,
\$200/month. Land contract. 270-
507-6627. 6-8

NOTICE

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Partnership is applying to the
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of Kentucky for a Certificate
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munications service in rural
service area #5 of the
Commonwealth of Kentucky
(Lake Cumberland Dam Cell
Site). The facility is a 240
foot tower and an equipment
shelter to be located at 8685
South Highway 127,
Jamestown, Kentucky,
42629. Your comments and
requests for intervention
should be addressed to:
Executive Director's Office,
Public Service Commission,
Post Office Box 615, 211
Sower Boulevard, Frankfort,
Kentucky 40602. Please
refer to Case No. 2006-
00201 in your correspon-
dence.



TRUCK DRIVERS NEEDED

- Class A - CDL required
- 2 years experience required
- Home on weekends
- Please apply in person at

Davis Distributing at S. Hwy 127
Dunnville, Kentucky

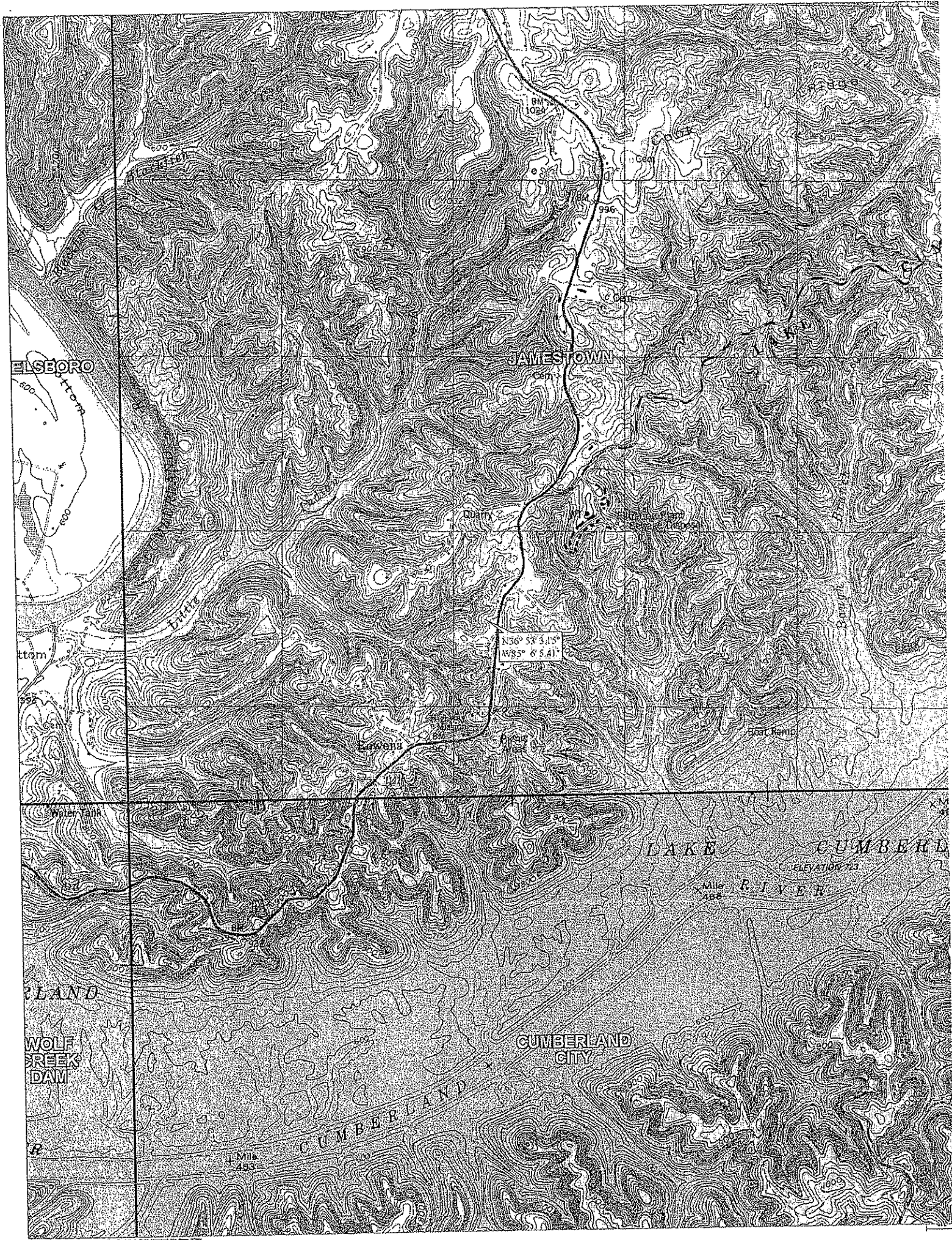
800-624-6093



IMMEDIATE OPENING

Director, Physical Therapy

JANE TODD CRAWFORD HOSPITAL
has an immediate opening for
Director of Physical Therapy.
Beautiful south central Kentucky area.



ELSEBORO

JAMESTOWN

N56° 57' 31.5"
W85° 8' 54.1"

LAKE CUMBERLAND

ELEVATION 723

1 Mile
1:62,500
RIVER

LAND

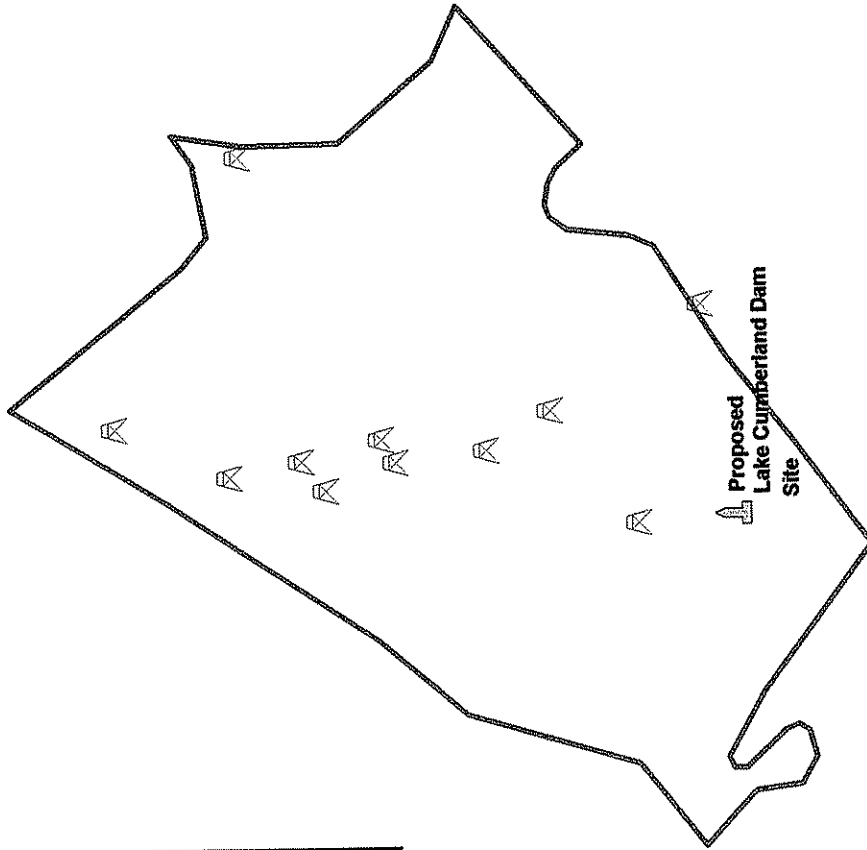
WOLF CREEK DAM

CUMBERLAND CITY


CUMBERLAND


1 Mile
1:62,500


+
37°-15'-00" N
85°-00'-00" W




36°-45'-00" N
85°-15'-00" W
+

 Russell County Boundary

 Wireless Tower Locations Registered with the FCC

 Proposed Tower location

 Tick Marks

Prepared By: LNGS Engineering 6/13/06



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

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1013822	37-03-21 N	84-50-46 W	Russell Springs, KY	Global Tower, LLC
1042205	36-53-48 N	84-59-32 W	Parnell, KY	Global Tower, LLC
1043078	37-08-31 N	85-03-16 W	Poplar Grove, KY	GTE South Incorporated
1043881	37-01-31 N	85-04-23 W	Russell Springs, KY	Lake Cumberland Broadcasters
1043973	37-01-53 N	85-03-40 W	Russell Springs, KY	Cumberland Cellular, Inc.
1044511	36-55-25 N	85-06-22 W	Freedom, KY	East Kentucky Power Cooperative
1060800	37-03-16 N	85-05-15 W	Russell Springs, KY	Duo County Telephone Cooperative
1065125	37-05-39 N	85-04-49 W	Russell Springs, KY	Hammond Broadcasting
1232264	37-05-19.7 N	84-54-47.3 W	Russell Springs, KY	Hemphill Corporation
1232919	37-03-51.9	85-04-19.5 W	Russell Springs, KY	Hemphill Corporation
1249806	36-59-14.9 N	85-04-03 W	Jamestown, KY	Shared Towers KY