

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

MAR 24 2014

**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
(ALBANY CAPACITY 1) IN RURAL SERVICE
AREA #5 (CLINTON) OF THE COMMONWEALTH
OF KENTUCKY**

CASE NO. 2014-00026

**APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY (ALBANY CAPACITY 1)**

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 Albany Capacity 1 cell site in and for rural service area (“RSA”) #5 of the Commonwealth of Kentucky, namely the counties of Barren, Monroe, Metcalfe, Adair, Cumberland, Russell, Clinton, Wayne, McCreary and Hart, Kentucky.

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

4. Pursuant to 807 KAR 5:063 §1(1)(e), clear directions from the county seat to the proposed site, including highway numbers and street names, 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 Albany Capacity 1 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 Albany Capacity 1 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 over 20 years. This extensive management experience with Bluegrass Cellular demonstrates that Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

7. Pursuant to 807 KAR §1(1)(g), World Tower Company, Inc. is responsible for the design specifications of the proposed tower (identified in Exhibit “B”).

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

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

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

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

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

13. Pursuant to KRS 278.665(2), applicant’s legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the property where the proposed cellular antenna tower will be located has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

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

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

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

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

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

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

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

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

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

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

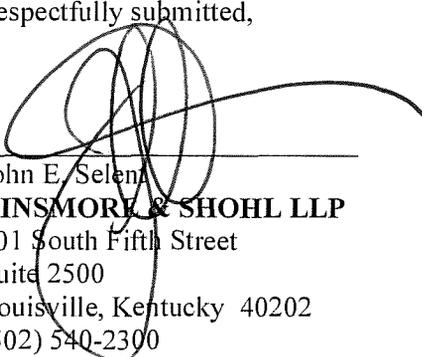
25. Correspondence and communication with regard to this application should be addressed to:

John E. Selent
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, Kentucky 40202
(502) 540-2300
john.selent@dinsmore.com

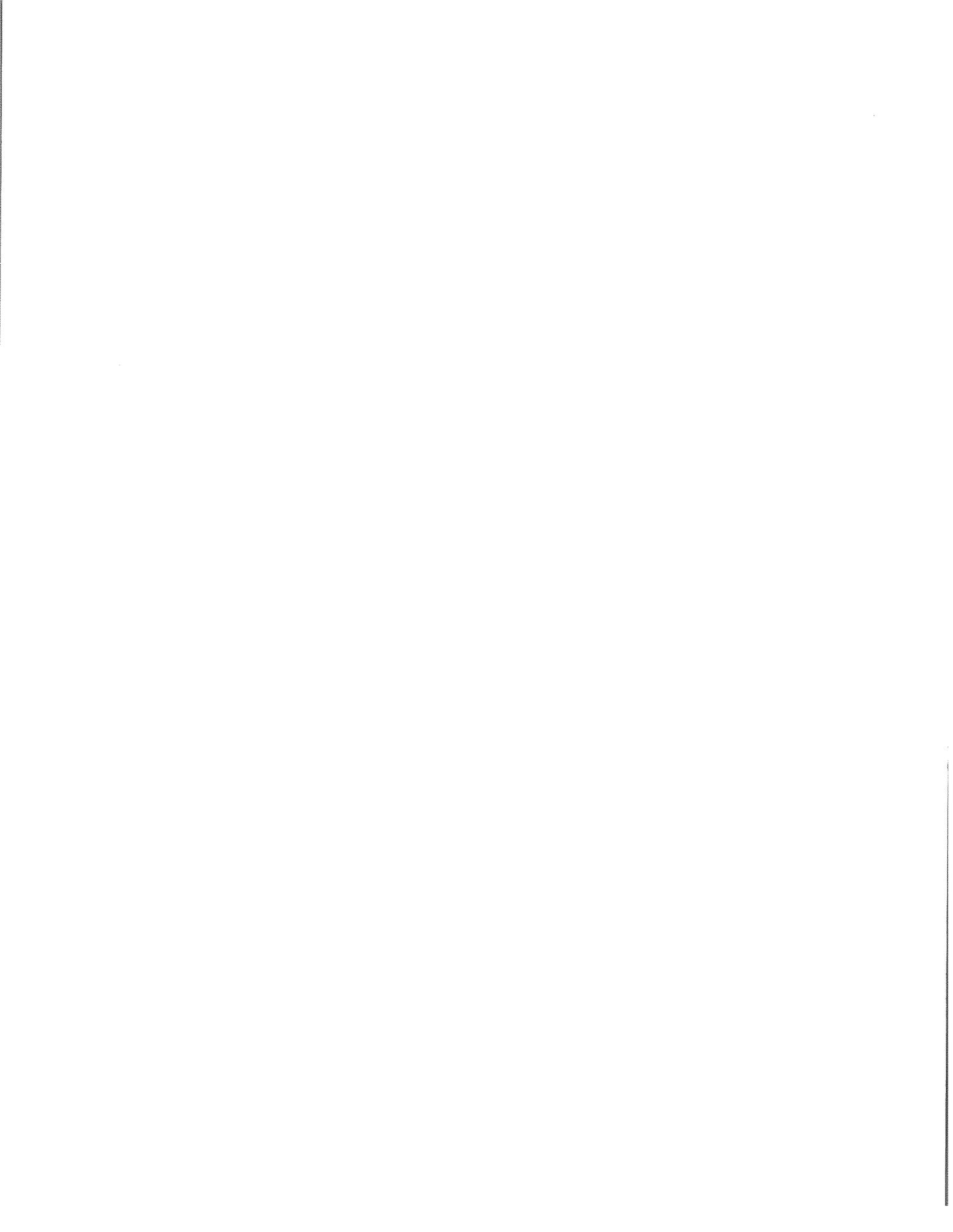
WHEREFORE, Cumberland Cellular Partnership requests the Commission to enter an order:

1. Granting a certificate of public convenience and necessity to construct the Albany, Capacity 1 cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



John E. Selent
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, Kentucky 40202
(502) 540-2300
john.selent@dinsmore.com



8300 Greensboro Dr.
Suite 1200
McLean, VA 22102
(703) 584-8678
WWW.FCCLAW.COM

Leila Rezanavaz
(703) 584-8668
leila@fcclaw.com

LNGS | LUKAS,
NACE,
GUTIERREZ
& SACHS, LLP

January 27, 2014

Send Via: Email

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

Re: Application for Permit to Construct a New Structure (Albany Capacity 1)

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 (Albany Capacity 1) near Albany, Kentucky. The Structure, including top-mounted antennas will have an overall height of 255 feet Above Ground Level.

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

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

Sincerely,

Leila Rezanavaz
Consulting Engineer

Enclosures

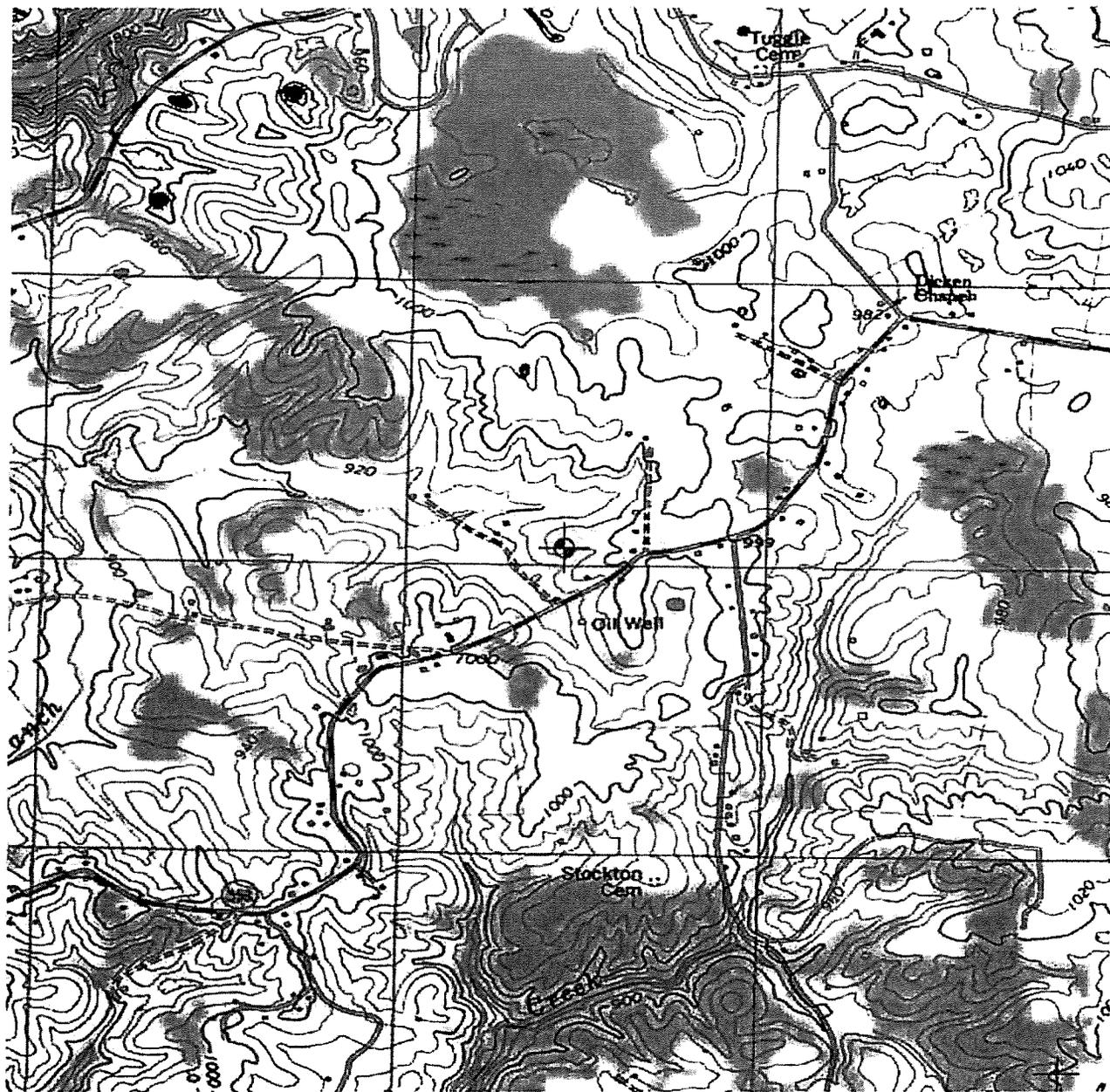
CC: Tim Ash



KENTUCKY AIRPORT ZONING COMMISSION

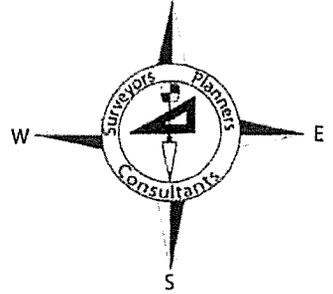
APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) Scott McCloud	PHONE 270-769-0339	FAX 270-737-0580	KY AERONAUTICAL STUDY #	
ADDRESS (street) 2902 Ring Road	CITY Elizabethtown		STATE KY	ZIP 42702
APPLICANT'S REPRESENTATIVE (name) Leila Rezanavaz	PHONE 703-584-8668	FAX		
ADDRESS (street) 8300 Greensboro Dr. Ste 1200	CITY McLean		STATE VA	ZIP 22102
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing	DURATION <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)		WORK SCHEDULE Start 3/1 End 3/10/2014	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other	MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 36° 40' 59.65"	LONGITUDE 85° 10' 55.24"	DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other		
NEAREST KENTUCKY City Albany County Clinton	NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Wayne County Airport			
SITE ELEVATION (AMSL, feet) 991	TOTAL STRUCTURE HEIGHT (AGL, feet) 255	CURRENT (FAA aeronautical study #) 2014-ASO-723-OE		
OVERALL HEIGHT (site elevation plus total structure height, feet) 1246		PREVIOUS (FAA aeronautical study #)		
DISTANCE (from nearest Kentucky public use or Military airport to structure) 21.6 Miles		PREVIOUS (KY aeronautical study #)		
DIRECTION (from nearest Kentucky public use or Military airport to structure) WSW				
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Site is located at: 3028 Wisdom Dock Rd Albany, KY 42602				
DESCRIPTION OF PROPOSAL Proposed self-supporting tower with top-mounted antennas for overall height of 255' AGL.				
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 1/27/2014				
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)				
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)				
NAME Leila Rezanavaz	TITLE Snr. Consulting Engr	SIGNATURE <i>Leila Rezanavaz</i>	DATE 1/27/2014	
COMMISSION ACTION		<input type="checkbox"/> Chairperson, KAZC <input type="checkbox"/> Administrator, KAZC		
<input type="checkbox"/> Approved	SIGNATURE		DATE	
<input type="checkbox"/> Disapproved				



Landmark Surveying Co., Inc.

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



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

2C Certification

January 24, 2014

Designation: Albany Capacity 1
Site ID No.: Not Available
Tower Type: Proposed Self-Support Tower
Location: 3028 Wisdom Dock Road, Albany, Kentucky 42602

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

Latitude:	36 degrees 40 minutes 59.65 seconds North	(NAD 83-2011)
Longitude:	85 degrees 10 minutes 55.24 seconds West	(NAD 83-2011)
Ground Elevation:	990.6 feet or 301.94 meters	(NAVD 88)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

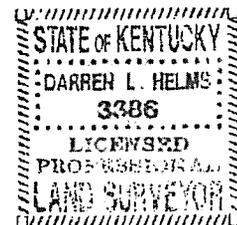
The accuracy of the latitude and longitude of the proposed self-support tower is ± 50 feet or ± 15 meters. The ground elevation and structure height are accurate to within ± 20 feet or ± 6 meters.

The information shown above is based upon field observations made on January 14, 2014 using an accessory monument to the National Geodetic Survey monument "FBN RUSTY" (now destroyed) and the Kentucky State Plane Coordinate System, South Zone, NAD 83 (2011). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop Companion 2009 software.

Landmark Surveying Co., Inc.

Darren L. Helms

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





Federal Aviation Administration

The system will be going offline at 7 pm US/Eastern on Thursday, January 30, 2014 for upgrades. We apologize for any inconvenience.

« OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Project Name: BLUEG-000263795-14 Sponsor: Bluegrass Cellular, Inc.

Details for Case : Albany Capacity 1

Show Project Summary

Case Status

ASN: 2014-ASO-723-OE
 Status: Accepted

Date Accepted: 01/27/2014

Date Determined:

Letters: None

Documents: 01/27/2014 2C Certification ...

Public Comments: None

Project Documents:
None

Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

If Temporary: Months: Days:

Work Schedule - Start: 03/01/2014

Work Schedule - End: 03/10/2014

*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.

State Filing: Filed with State

Structure Summary

Structure Type: Antenna Tower

Structure Name: Albany Capacity 1

NOTAM Number:

FCC Number:

Prior ASN:

Structure Details

Latitude: 36° 40' 59.65" N

Longitude: 85° 10' 55.24" W

Horizontal Datum: NAD83

Site Elevation (SE): 991 (nearest foot)

Structure Height (AGL): 255 (nearest foot)

Current Height (AGL): (nearest foot)

* For notice of alteration or existing provide the current AGL height of the existing structure.

Include details in the Description of Proposal

Max Height (AGL): (nearest foot)

* For Wind Turbines 500ft AGL or greater

Requested Marking/Lighting: Dual-red and medium intensity

Other :

Recommended Marking/Lighting:

Current Marking/Lighting: N/A Proposed Structure

Other :

Nearest City: Albany

Nearest State: Kentucky

Description of Location: Site is located at:
3028 Wisdom Dock Road
Albany, KY 42602

Description of Proposal: Proposed Self-supporting Tower with top-mounted antennas for overall height of 255' AGL

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

Specific Frequencies



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
2601 Meacham Boulevard
Fort Worth, TX 76193

Aeronautical Study No.
2014-ASO-723-OE

Issued Date: 03/17/2014

Scott McCloud
Bluegrass Cellular, Inc.
2902 Ring Road
Elizabethtown, KY 42701

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower Albany Capacity 1
Location: Albany, KY
Latitude: 36-40-59.65N NAD 83
Longitude: 85-10-55.24W
Heights: 991 feet site elevation (SE)
255 feet above ground level (AGL)
1246 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
 Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

This determination expires on 09/17/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (404) 305-7082. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2014-ASO-723-OE.

Signature Control No: 206599139-210997006

(DNE)

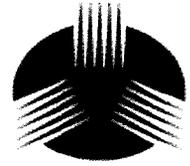
Earl Newalu
Specialist

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2014-ASO-723-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W



World Tower
COMPANY, INC.

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

240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: ALBANY
LOGAN COUNTY, KY
DESIGN PACKAGE

GENERAL NOTES

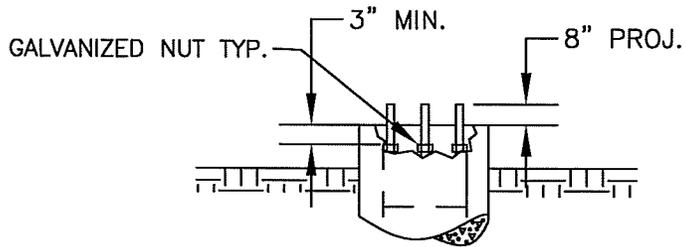
1. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
2. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
3. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
4. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND OR PIPE AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
5. ALL STRUCTURAL BOLTS ARE ASTM A325.
6. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA-222-G EVERY 5 YEARS.
7. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.

WORLD TOWER

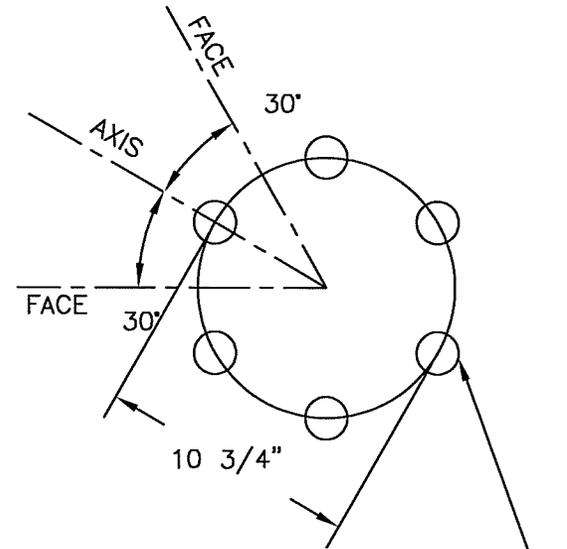
TITLE:

240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: ALBANY
LOGAN COUNTY, KY

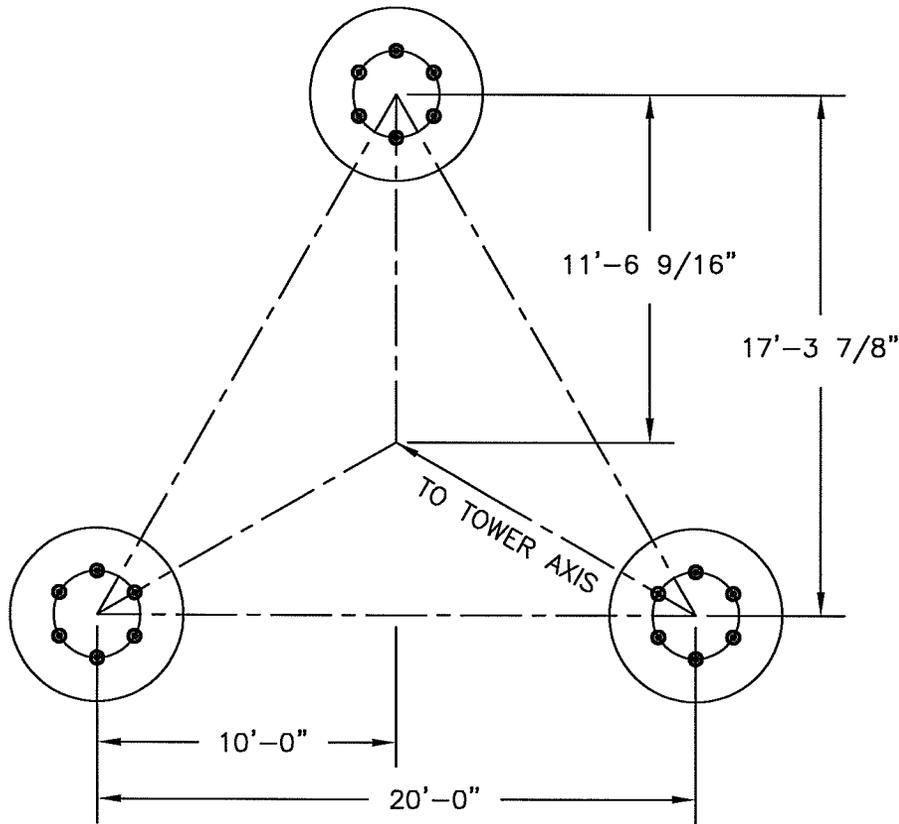
SCALE	DWN.	LKG	CKD.	DATE 3-21-14
			DWG. NO.	Q14259N



PIER ELEVATION



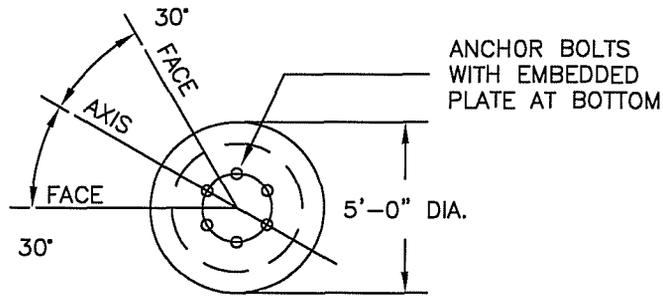
ANCHOR BOLTS 6 (18 TOTAL)
 1 1/2" ϕ X 80" ASTM A354 GR. BC
 EQUALLY SPACED ON A 10 3/4"
 DIA. BOLT CIRCLE WITH TOP TEMPLATE
 AND EMBEDDED PLATE



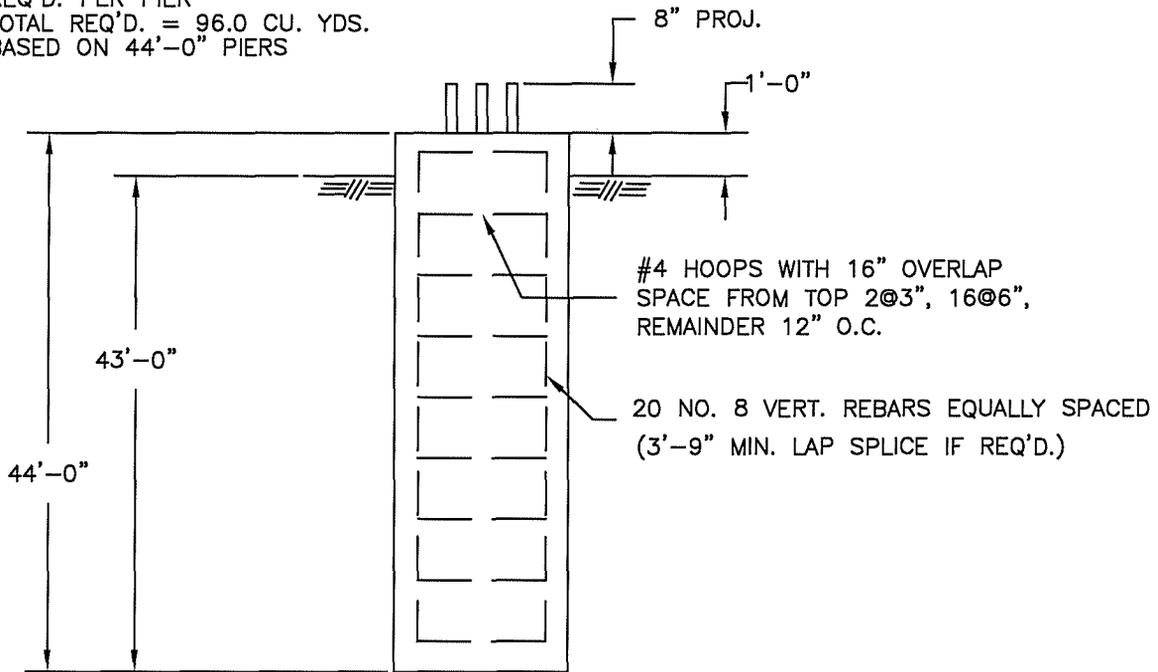
WORLD TOWER

TITLE: ANCHOR BOLT LAYOUT
 240' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE : ALBANY
 LOGAN COUNTY, KY

SCALE NONE	DWN. LKG	CKD.	DATE 3-21-14
FILE	DWG. NO.		Q14259AB



32.0 CU. YDS. CONCRETE
REQ'D. PER PIER
TOTAL REQ'D. = 96.0 CU. YDS.
BASED ON 44'-0" PIERS



BASE REACTIONS	
OTM:	9013.0 FT. KIPS
COMP.	552.0 KIPS
UPLIFT	478.0 KIPS
SHEAR (3 LEGS)	67.0 KIPS
WT. NO ICE	95.0 KIPS
WT. 3/4" ICE	229.0 KIPS

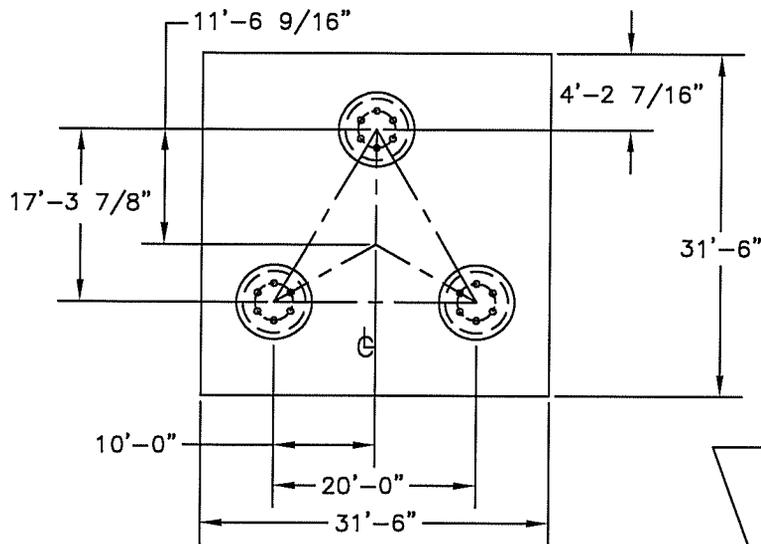
GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM TERRACON. PROJECT NUMBER 57145004 DATED MARCH 4, 2014.

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

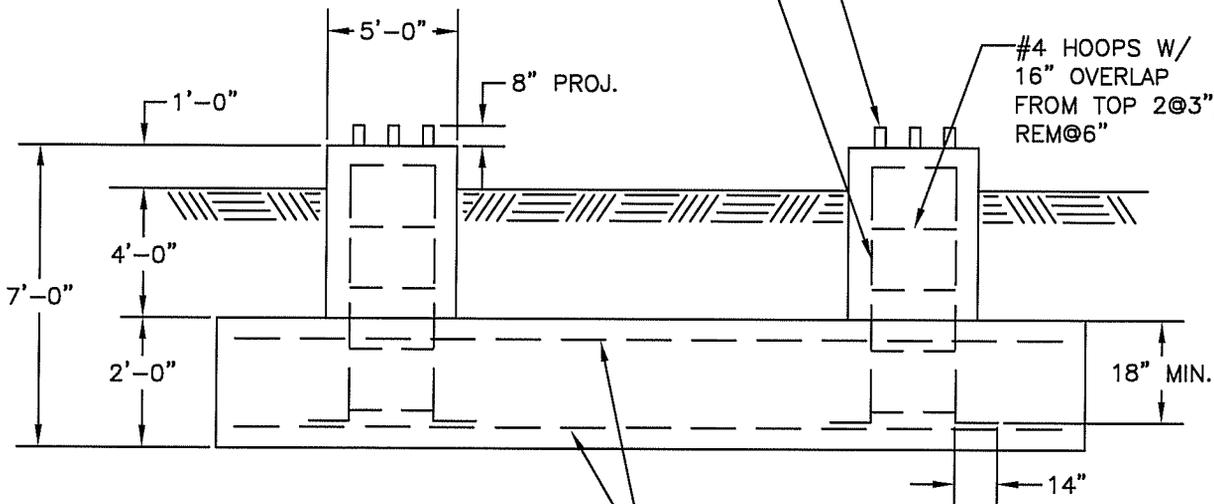
WORLD TOWER

SCALE NONE DWN. LKG CKD. DATE 3-21-14
FILE DWG. NO. Q14259F



84.4 CU. YDS.
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	9013.0 FT. KIPS
COMP.	552.0 KIPS
UPLIFT	478.0 KIPS
SHEAR (3 LEGS)	67.0 KIPS
WT. NO ICE	95.0 KIPS
WT. 3/4" ICE	229.0 KIPS



32-#11 REBARS
EACH WAY TOP AND BOTTOM
(TOTAL = 128)

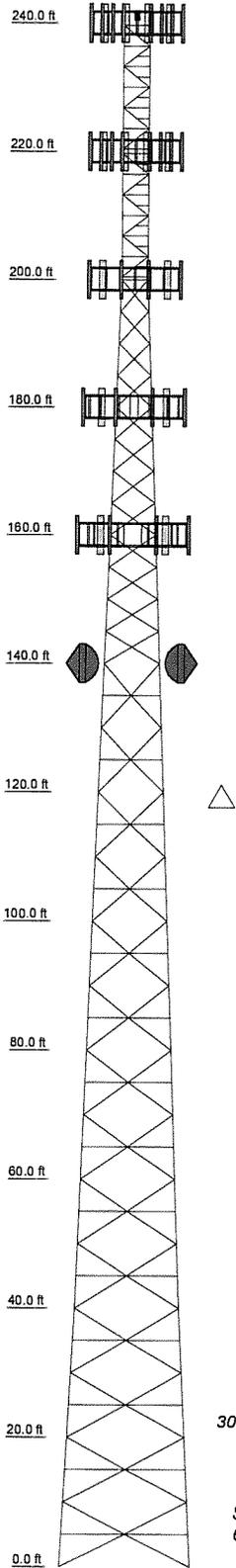
GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION IS BASED UPON CUSTOMER SUPPLIED SOILS REPORT BY TERRACON. PROJECT NUMBER 57145004 DATED MARCH 4, 2014.

TITLE: ALTERNATIVE FOUNDATION DETAIL
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: ALBANY
LOGAN COUNTY, KY

WORLD TOWER

SCALE NONE	DWN. LKG	CKD.	DATE 3-21-14
FILE	DWG. NO.		Q14259F2



DESIGNED APPURTENANCE LOADING

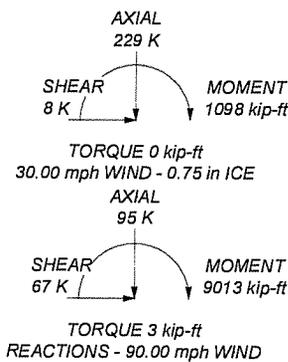
TYPE	ELEVATION	TYPE	ELEVATION
Beacon Lighting	240	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	200
WD13X53 Antenna Mounting Frame (w/ .75)"	240	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	200
WD13X53 Antenna Mounting Frame (w/ .75)"	240	(2) RRU-11	199
WD13X53 Antenna Mounting Frame (w/ .75)"	240	(2) RRU-11	199
(4) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	240	WD13X53 Antenna Mounting Frame (w/ .75)"	180
(4) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	240	WD13X53 Antenna Mounting Frame (w/ .75)"	180
(4) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	240	WD13X53 Antenna Mounting Frame (w/ .75)"	180
(4) RRU-11	239	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	180
(4) RRU-11	239	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	180
(4) RRU-11	239	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	180
(4) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	220	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	180
(4) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	220	(2) RRU-11	179
(4) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	220	(2) RRU-11	179
WD13X53 Antenna Mounting Frame (w/ .75)"	220	(2) RRU-11	179
WD13X53 Antenna Mounting Frame (w/ .75)"	220	WD13X53 Antenna Mounting Frame (w/ .75)"	160
WD13X53 Antenna Mounting Frame (w/ .75)"	220	WD13X53 Antenna Mounting Frame (w/ .75)"	160
WD13X53 Antenna Mounting Frame (w/ .75)"	220	WD13X53 Antenna Mounting Frame (w/ .75)"	160
(4) RRU-11	219	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	160
(4) RRU-11	219	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	160
(4) RRU-11	219	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	160
WD13X53 Antenna Mounting Frame (w/ .75)"	200	(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	160
WD13X53 Antenna Mounting Frame (w/ .75)"	200	(2) RRU-11	159
WD13X53 Antenna Mounting Frame (w/ .75)"	200	(2) RRU-11	159
(2) Antel RWB 80014/120 w/ mnt. pipe(Panel 96.5"x11.2"x5.9")*	200	(2) RRU-11	159
		8 FT DISH	140
		6 FT DISH	140

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Logan County, Kentucky.
 2. Tower designed for Exposure C to the TIA-222-G Standard.
 3. Tower designed for a 90.00 mph basic wind in accordance with the TIA-222-G Standard.
 4. Tower is also designed for a 30.00 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
 5. Deflections are based upon a 60.00 mph wind.
 6. Tower Structure Class II.
 7. Topographic Category 1 with Crest Height of 0.00 ft
 8. Fall radius half tower height 120-feet
 9. TOWER RATING: 97.5%
- ALL REACTION ARE FACTORED**
MAX. CORNER DOWN: 552
SHEAR: 44
UPLIFT: -47
SHEAR: 38 K



World Tower Company		Job: 240' WSST - Job Q14-259	
1213 Compressor Drive		Project: Albany, Kentucky	
Mayfield, Kentucky 42066		Client: Bluegrass Cellular	Drawn by: Kirk Hall
Phone: (270) 247-3642		Code: TIA-222-G	Date: 03/20/14
FAX: (270) 247-0909		Scale: NTS	Dwg No. E-1
Path: C:\Tower\PE Runs\2014\Q14-259 Albany Bluegrass\Q14-259.en			

Geotechnical Engineering Report

Proposed 255' Self-Supporting Tower

Albany Capacity 1

Albany, Clinton County, Kentucky

March 6, 2014

Project No. 57145004

Prepared for:

Kentucky RSA #5 Cumberland Cellular Partnership,
D/B/A Bluegrass Cellular
Elizabethtown, Kentucky

Prepared by:

Terracon Consultants, Inc.
Louisville, Kentucky

Offices Nationwide
Employee-Owned

Established in 1965
terracon.com

Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

March 6, 2014



Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

Attention: Mr. Tim Ash

Regarding: Geotechnical Engineering Report
Proposed 255' Self Supporting Tower
Albany Capacity 1
Albany, Kentucky
Terracon Project No.: 57145004

Dear Mr. Ash:

Terracon Consultants, Inc. (Terracon) has completed the geotechnical engineering services for the above referenced project. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations for the proposed project. This study was performed in general accordance with our Master Service Agreement.

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

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

Sincerely,
Terracon Consultants, Inc.

M. Todd England, P.G.
Project Geologist
Kentucky PG# 2575

Robert N. Kennedy
Office Manager
Kentucky PE# 23117

Reviewed by: Timothy G. LaGrow, PE – Senior Principal

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APPENDIX

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

**GEOTECHNICAL ENGINEERING REPORT
 PROPOSED 255' SELF-SUPPORTING TOWER
 ALBANY CAPACITY 1
 ALBANY, CLINTON COUNTY, KENTUCKY
 Terracon Project No. 57145004
 March 6, 2014**

1.0 PROJECT INFORMATION

1.1 Project Description

ITEM	DESCRIPTION
Site layout	See the Boring Location Plan in the Appendix
Site Dimensions	About 100 feet by 100 feet parcel of land and associated access easement located northwest of the proposed site.
Tower	Self-Supporting, 255 feet
Maximum loads	Vertical: 620 kips (assumed) Shear: 82 kips (assumed) Uplift: 540 kip-ft (assumed)
Maximum allowable settlement	1-inch (assumed)
Equipment Building: Maximum Loads	Column: 25 kips (assumed) Wall: 1.5 kips/ft (assumed)
Equipment Building: Maximum allowable settlement	Total Settlement: 1-inch (assumed) Differential Settlement: ¼ inch over 40 feet (assumed)
Grading	Cut: 3 feet (+/-) max (assumed) Fill: 3 feet (+/-) max (assumed)

1.2 Site Location and Description

ITEM	DESCRIPTION
Location	Near the intersection of Wisdom Dock Road (KY553) and Littles Road Lat./Long.: 36° 40' 59.7" N/ 85° 10' 55.3" W
Existing improvements	Vacant pasture land
Current ground cover	Grass
Existing topography	Relatively flat

2.0 SUBSURFACE CONDITIONS

2.1 Geology

FORMATION ¹	DESCRIPTION
St. Louis Limestone	Limestone, very dark to medium gray, sublithographic to medium grained, thin to medium bedded, interbedded and gradational with calcareous siltstone.

1. Based on the Geologic Map of the Albany quadrangle, Clinton County Kentucky, published by Kentucky Geological Survey (GQ-550).

The St. Louis Limestone formation is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels developing within the rock strata creating a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of structures situated above the karst features. However, our review of the available topographic and geologic mapping did not reveal the presence of sinkholes in the near vicinity of the subject property. The risks associated with karst geology are common for the project vicinity and are not unique to this site.

2.2 Typical Profile

One boring was drilled at the center of the tower as staked in the field by the owner's representative. A second boring offset approximately 3 feet from boring B-1 was advanced to collect a sample of the refusal material. Based on the results of our borings, the subsurface conditions on the project site can be generalized as follows:

Description	Approximate Depth to Bottom of Stratum (feet)	Material Encountered	Consistency/Density
Surface	½	Topsoil	N/A
Stratum 1	30	Lean to Fat Clay	Stiff to very stiff ¹
Stratum 2	40 to 48 ½	Fat Clay	Medium Stiff ²
Stratum 3	41 ½ to 58	Limestone, weathered, with interbedded 1 to 3 1/2-foot thick clay layers	Recovery: 30 to 44% RQD: 20 to 33%

- Standard penetration results ranged from 10 to 21 bpf. Measured unconfined strength (determined from correlations with a hand penetrometer) ranged from 3,000 to 8,000 psf.
- Standard penetration results ranged from 6 bpf to split-spoon refusal (50+ BPF) on apparent bedrock. Measured unconfined strength (determined from correlations with a hand penetrometer) equaled 2,500 psf.

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

2.3 Groundwater

The initial borehole was observed while drilling and after completion for the presence and level of groundwater. Water was used for coring bedrock in the second boring negating any groundwater measurements. Groundwater was not observed in the first boring while drilling, or for the short duration that the boring was allowed to remain open. However, this does not necessarily mean the boring terminated above groundwater. Due to the low permeability of the soils encountered in the borings, a relatively long period of time may be necessary for a groundwater level to develop and stabilize in a borehole in these materials. Long term observations in piezometers or observation wells sealed from the influence of surface water are often required to define groundwater levels in materials of this type.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the borings were 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 logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

3.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION

3.1 Geotechnical Considerations

Based on the encountered subsurface conditions, the proposed tower can be either founded on drilled piers or on a mat foundation. The equipment building may be supported on shallow spread footings. However, the owner and designer should recognize the construction and long term performance risks associated with each foundation option. Specifically:

Drilled Piers – the results of the two borings indicate significant depth variation to bedrock and a highly weathered bedrock stratum. We find that deep foundations in highly karstic geology can result in change orders associated with variable bedrock depths and drilled pier socket quality. We recommend that the designer limit the depth of rock socket by adjusting the pier diameter accordingly. Some provisions should be made in the design for expected field adjustments to the drilled pier depth.

Mat and Shallow Foundations – All ground supported structures have some risk of future ground subsidence associated with karst activity that could impact the stability of the proposed structures.

Soil softening noted in boring B-1 below 30 feet indicated karst activity at the tower location. In addition, the poor quality of the rock obtained from boring B-1A is an indication of karst activity at the tower site. Current state of the art in geotechnical engineering does not allow the prediction of sinkhole collapse. We recommend supporting applicable structures on drilled piers extending to bedrock where the owner cannot accept any risk associated with karst subsidence.

Design recommendations for the tower drilled piers and a mat foundation as well as shallow footings for the equipment building are presented in the following paragraphs.

3.2 Foundation Recommendations

3.2.1 Drilled Pier Foundation System

The proposed tower can be founded on a straight shaft drilled pier foundation system. We recommend that the drilled piers be designed and constructed to bear on or within bedrock. Based on the results of field and laboratory testing, we have developed the following drilled pier design parameters.

Approximate Depth (feet) ¹	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Cohesion (psf)	Internal Angle of Friction (Degrees)	Strain ϵ_{50}	Lateral Subgrade Modulus (pci)
0 – 3	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
Lean / Fat Clay 3 - 48 ½	425	3,000	1,500	1,500	--	0.007	125
Weathered Bedrock > 48 ½	425	3,000	1,500	1,500	-	0.007	125

1. Pier observation is recommended to adjust pier length if variable soil conditions are encountered. A total unit weight of 120 pcf can be assumed for the clay. We recommend extending the pier to bedrock to reduce the risk of ground subsidence associated with karst activity noted in our borings. Higher bearing and skin friction values are not provided for the rock bearing or socket due to the extent of weathering observed within the bedrock profile

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have a factor of safety of about 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on our borings, published values and our past experience with similar soil types. These values should, therefore, be considered approximate. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. If the drilled pier is

designed using the above parameters, settlements are not anticipated to exceed 1 inch. This settlement value does not include any subsidence or ground movement related to karst activity.

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

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

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

3.2.2 Shallow Mat Foundation System

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

DESCRIPTION	VALUE
Foundation Subgrade ¹	Suitable natural soil
Net allowable bearing pressure ²	3,000 psf
Allowable passive pressure ³	1,500 psf
Coefficient of sliding friction ³	0.35
Minimum embedment below finished grade for frost protection	24 inches
Approximate total settlement ⁴	1 inch

1. A geotechnical engineer should verify footing subgrade prior to concrete placement.
2. Assumes any soft or unsuitable soils, if encountered, will be undercut and replaced with approved engineered granular fill or lean. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation.
3. The sides of the excavation for the spread footing foundation must be nearly vertical and the

concrete should be placed neat against these vertical faces for the passive earth pressure values to be valid. If the loaded side is sloped or benched, and then backfilled, the allowable passive pressure will be significantly reduced. Passive resistance in the upper 3 feet of the soil profile should be neglected. Lateral resistance due to friction at the base of the footing should be ignored where uplift also occurs.

4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footing, the thickness of compacted fill, and the quality of the earthwork operations. This settlement value does not account for any ground movement associated with karst activity.

Uplift forces can be resisted by the dead weight of the footing and the effective weight of any soil above the footing. A unit weight of soil not exceeding 115 pcf is appropriate for the on-site soils backfilled above the foundation, assuming that it is compacted to at least 98 percent of standard Proctor maximum dry density (ASTM D-698). A unit weight of 150 pcf could be used for reinforced footing concrete. The ground surface should be sloped away from the foundation to avoid ponding of water and saturation of the backfill materials.

The base of all foundation excavations should be free of water and loose soil prior to placing concrete. Concrete should be placed soon after excavating to reduce bearing soil disturbance. Should the soils at bearing level become excessively dry, disturbed or saturated, or frozen, the affected soil should be removed prior to placing concrete. Place a lean concrete mud-mat over the bearing soils if the excavations must remain open over night or for an extended period of time. It is recommended that the geotechnical engineer be retained to observe and test the soil foundation bearing materials.

3.2.3 Equipment Building/Cabinet Foundations

Stiff to very stiff soils were encountered at the surface in boring B-1 advanced for the proposed tower. A boring within the proposed equipment building footprint was beyond the scope of this exploration.

DESCRIPTION	VALUE
Foundation Subgrade ¹	Suitable natural soils
Net allowable bearing pressure ²	2,500 psf
Minimum footing sizes Isolated:	2 feet by 2 feet
Wall :	16 inches wide
Coefficient of sliding friction	0.35
Minimum embedment below finished grade for frost protection ³	24 inches
Approximate total settlement ⁴	1 inch

1. A geotechnical engineer should verify footing subgrade prior to concrete placement.
2. Assumes any soft or unsuitable soils, if encountered, will be undercut and replaced with approved

engineered fill. The recommended net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation.

3. For perimeter footing and footings beneath unheated areas.
4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footings, the thickness of any compacted fill, and the quality of the earthwork operations. This settlement does not account for any ground movement associated with karst activity.

3.3 Earthwork

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

Fill Type ¹	USCS Classification	Acceptable Location for Placement ¹
Well graded granular material	GW ⁴ , SW, SM, and SC ²	All locations and elevations
Low Volume Change Material ³	CL or GW and (LL<50 & PI<22)	All locations and elevations
On-site soils	CL-CH to CH	Beneath equipment building and access road. Fat clay should not be placed within 2 feet of finished subgrade elevations.

1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. Frozen material should not be used, and fill should not be placed on a frozen subgrade. A sample of each material type should be submitted to the geotechnical engineer for evaluation. Any fill to be placed beneath the tower footing should consist of well graded granular material.
2. Similar to crushed limestone aggregate or limestone screenings or granular material such as sand, gravel or crushed stone (pug mix).
3. Low plasticity cohesive soil or granular soil having at least 18% low plasticity fines.
4. Similar to KDOT Section 302 for dense graded aggregate or crushed stone base limestone, limestone screenings, or granular material such as sand, gravel or crushed stone containing not more than 18% non-plastic fines.

3.3.1 Compaction Requirements

Fill Lift Thickness	9-inches or less in loose thickness
Compaction Requirements ¹	98% of the materials standard Proctor maximum dry density (ASTM D-698)
Moisture Content – Granular Material	Workable moisture levels ²
Moisture Content – Cohesive Soil	Within the range of optimum moisture content to 3% above optimum moisture content as determined by the standard Proctor test at the time of placement

1. We recommend that engineered fill be tested for moisture content and compaction during placement. Should the results of the in-place density tests indicate the specified moisture or compaction limits have not been met, the area represented by the test should be reworked and retested as required until the specified moisture and compaction requirements are achieved.
2. Specifically, moisture levels should be maintained low enough to allow for satisfactory compaction to be achieved without the cohesionless fill material pumping when proofrolled.

3.3.2 Construction Considerations

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

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

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

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

4.0 GENERAL COMMENTS

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

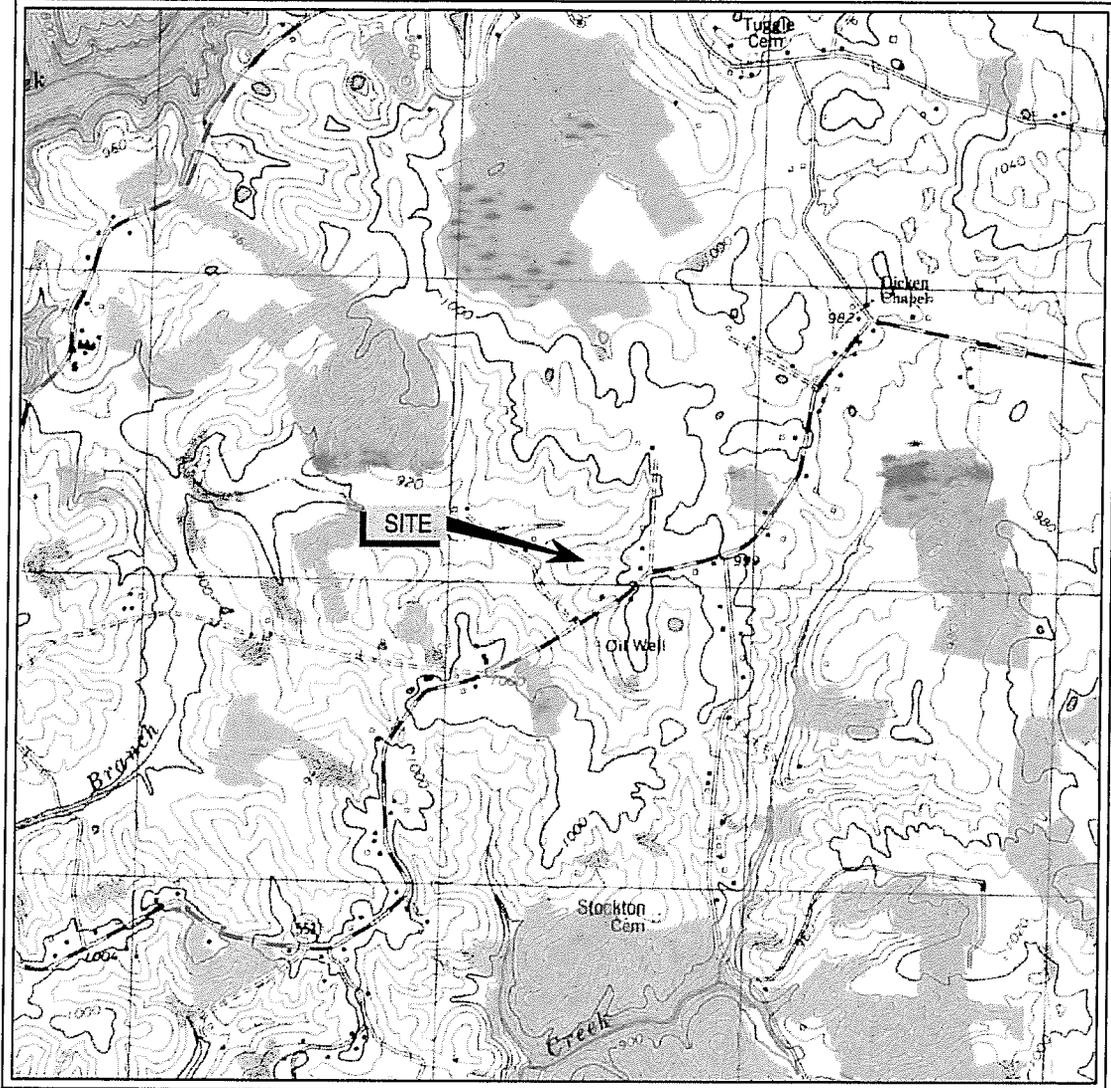
The analysis and recommendations presented in this report are based upon the data obtained from the borings performed at the indicated location and from other information discussed in this report. This report does not reflect variations that may occur across the site, or due to the modifying effects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

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

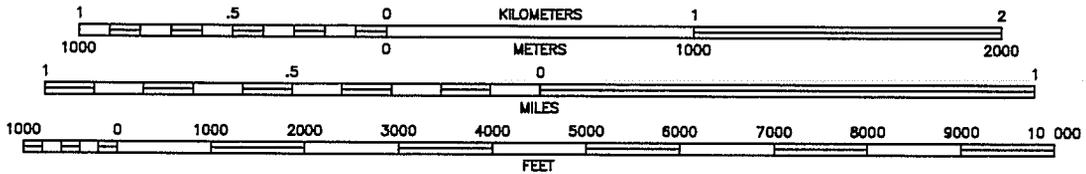
This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support,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

APPENDIX

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE
ALBANY, KY
1978 PR1982
7.5 MINUTE SERIES (TOPOGRAPHIC)



*INDICATES WHICH MAP SITE IS LOCATED ON

Project Mgr: MTE	Project No. 57145004	 4545 Bishop Lane, Suite 101 Louisville, KY 40218 (502) 456-1256 (502) 456-1278	SITE LOCATION PLAN GEOTECHNICAL ENGINEERING REPORT ALBANY CAPACITY 1 STATE ROAD 553 ALBANY, CLINTON COUNTY, KY	EXHIBIT
Drawn By: DWD	Scale: AS SHOWN			A-1
Checked By: MTE/MRF	File No. GEO57145004-1			
Approved By: BNK	Date: JAN. 2014			

BORING LOG NO. B-1

PROJECT: Albany Capacity 1

CLIENT: Bluegrass Cellular
Elizabethtown, KY

SITE: 3028 Wisdom Dock Road
Albany, KY

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (In.)	FIELD TEST RESULTS	ROCK CORE RECOVERY AND RQD (5%)	ROCK CORE COMPRESSIVE STRENGTH (PSI)	LABORATORY TORVANE/HP (psf)	WATER CONTENT (%)	ATTERBERG LIMITS	
											LL-PL-PI	
	0.5 TOPSOIL											
	2.0 LEAN CLAY/FAT CLAY (CL-CH) , brown to reddish-brown, stiff, with trace root fibers FAT CLAY (CH) , red, very stiff, with trace chert fragments				18	2-4-6 N=10			6000 (HP)	25		
		5			18	6-10-11 N=21			8000 (HP)	34		
					18	4-7-9 N=16			5000 (HP)	28		
		10			18	3-6-7 N=13			5000 (HP)	28		
	13.0 FAT CLAY (CH) , tannish-brown to red to mottled gray, stiff to very stiff, with trace chert fragments				18	6-8-8 N=16			6000 (HP)	35	64-28-36	
	-very cherty from 18.5 to 25 ft.	20			18	7-7-6 N=13			3000 (HP)	32		
		25			15	4-5-5 N=10				39		
	30.0 LEAN CLAY (CL) , light brown to tannish-brown, stiff				11	3-4-6 N=10			3000 (HP)	29		
		35			11	2-3-3 N=6			2500 (HP)	33	56-24-32	
	40.0 LIMESTONE , weathered				10	2-3-50/4" N=50/4"			2500 (HP)	34		
	41.5 Auger Refusal at 41.5 Feet	45										

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Borings backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

Not Encountered



Boring Started: 1/10/2014

Boring Completed: 1/10/2014

Drill Rig: Truck

Driller: S. Anderson

Project No.: 57145004

Exhibit: A-3

BORING LOG NO. B-1A

PROJECT: Albany Capacity 1

CLIENT: Bluegrass Cellular
Elizabethtown, KY

SITE: 3028 Wisdom Dock Road
Albany, KY

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (FL)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	ROCK CORE RECOVERY AND RQD (%)	ROCK CORE COMPRESSIVE STRENGTH (PSI)	LABORATORY TORVANE/HP (psf)	WATER CONTENT (%)	ATTERBERG LIMITS
	DEPTH								LL-PL-PI

BLANK DRILLING - NO SAMPLES OBTAINED



Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).

Notes:

Abandonment Method:
Borings backfilled with soil cuttings upon completion.

See Appendix C for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

Not Encountered



Boring Started: 2/14/2014

Boring Completed: 2/14/2014

Drill Rig: Truck

Driller: S. Anderson

Project No.: 57145004

Exhibit: A-4

C:\Users\jgibson\Documents\BORING LOGS\1 TERRACON\BLOG1_TEMPLATE\LOG1_2/26/14

BORING LOG NO. B-1A

PROJECT: Albany Capacity 1

CLIENT: Bluegrass Cellular
Elizabethtown, KY

SITE: 3028 Wisdom Dock Road
Albany, KY

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO LOG-DEPTH TO BOTTOM OF PAGE. DRAFT BORING LOG.GPJ TERRACON STD_TEMPLATE.GDT 2/28/14

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH	OEPH (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	ROCK CORE RECOVERY AND RQD (%)	ROCK CORE COMPRESSIVE STRENGTH (PSI)	LABORATORY TORVANE/HP (psf)	WATER CONTENT (%)	ATTERBERG LIMITS
										LL-PL-PI
	BLANK DRILLING - NO SAMPLES OBTAINED (continued)									
		48.5								
//	LIMESTONE , medium gray, fine to medium-grained, moderately weathered, hard	49.5	50			30/20				
//	FAT CLAY , brown mottled gray, -majority of sample washed away									
		53.0								
	LIMESTONE , medium gray, fine to medium-grained, moderately weathered	54.5								
//	FAT CLAY , brown mottled gray, -majority of sample washed away	56.0	55			44/33	4,425			
//	LIMESTONE , medium gray, fine to medium-grained, moderately weathered	57.0								
//	FAT CLAY , brown mottled gray, -majority of sample washed away	58.0								
	Boring Terminated at 58 Feet									
	- Boring B-1A was offset approximately 3 feet from boring B-1.									

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
3.25" Hollow Stem Auger

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Borings backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

Not Encountered



Boring Started: 2/14/2014

Boring Completed: 2/14/2014

Drill Rig: Truck

Driller: S. Anderson

Project No.: 57145004

Exhibit: A-4

Field Exploration Description

Boring B-1 was drilled at the center of the tower as staked in the field by the owner's representative. Boring B-1A was offset approximately 3 feet from boring B-1. The approximate boring locations are shown on the enclosed boring location plan. The surface elevation was not provided to Terracon.

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

Laboratory Testing

The laboratory testing program consisted of performing water content tests and Atterberg Limits tests on representative soil samples. A calibrated hand penetrometer was used to estimate the approximate unconfined compressive strength of the soil samples. The calibrated hand penetrometer has been correlated with unconfined compression tests and provides a better estimate of soil consistency than visual examination alone. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification. In addition an unconfined compressive strength test was conducted on a select sample of the rock core specimen. Results of these tests are provided on the boring logs.

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

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

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

WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

CONSISTENCY OF FINE-GRAINED SOILS

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

RELATIVE DENSITY OF COARSE-GRAINED SOILS

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

RELATIVE PROPORTIONS OF SAND AND GRAVEL

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

GRAIN SIZE TERMINOLOGY

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

RELATIVE PROPORTIONS OF FINES

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

PLASTICITY DESCRIPTION

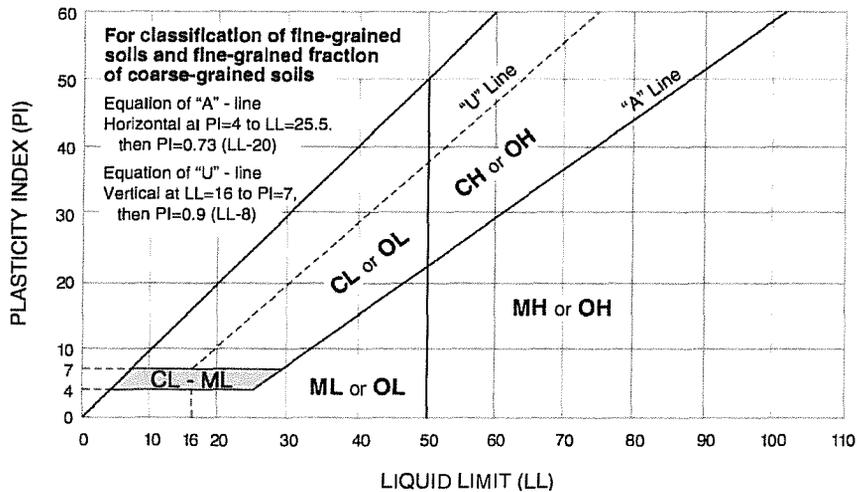
<u>Term</u>	<u>Plasticity Index</u>
Non-plastic	0
Low	1-10
Medium	11-30
High	30+

UNIFIED SOIL CLASSIFICATION SYSTEM

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

- ^A Based on the material passing the 3-in. (75-mm) sieve
- ^B If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
- ^C Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.
- ^D Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay
- ^E $Cu = D_{60}/D_{10}$ $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
- ^F If soil contains $\geq 15\%$ sand, add "with sand" to group name.
- ^G If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

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



GENERAL NOTES

Description of Rock Properties

WEATHERING

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

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

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

Joint, Bedding, and Foliation Spacing in Rock ^a

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

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

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

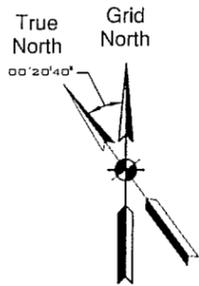
a. RQD (given as a percentage) = length of core in pieces 4 in. and longer/length of run.

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

SITE: ALBANY CAPACITY 1

Lease Boundary and Topographic Survey

Clinton County, Kentucky



Basis of Bearings

THE BEARING SYSTEM OF THIS SURVEY IS BASED UPON G.P.S. OBSERVATIONS MADE ON JANUARY 14, 2014 USING AN ACCESSORY MONUMENT TO THE NATIONAL GEODETIC SURVEY MONUMENT "FBN RUSTY" (NOW DESTROYED) AND THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 1983 (2011). THIS SYSTEM IS GRID NORTH.

Tower Location Information

DESIGNATION: ALBANY CAPACITY 1
 SIZE: 10' x 10' - NONE
 HORIZONTAL DATUM: NAD 83 (2011)
 LATITUDE: 36°40'59.65" NORTH
 LONGITUDE: 85°10'55.24" WEST
 VERTICAL DATUM: NAVD 83
 GROUND ELEVATION: 990.6 FEET (301.94 M)

STATE PLANE COORDINATES
 NORTHING: 1,768,312.88 FEET (538,982.844 M)
 EASTING: 1,805,974.15 FEET (550,766.826 M)

Landowner Information

LANDOWNER: NATHAN GROCE
 ADDRESS: 1659 BRICK ROAD
 ALBANY, KENTUCKY 42602

CONTACT PERSON: NATHAN GROCE
 PHONE: 931-397-8808

PVA MAP NO. 022-00-00-005.00

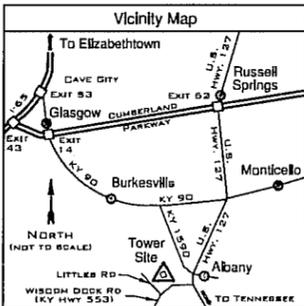
Project Bench Mark

NORTHING: 1,768,438 FEET (539,021 M)
 EASTING: 1,805,973 FEET (550,767 M)
 ELEVATION: 985.71 FEET (300.445 M)

DESCRIPTION: A 5/8" REBAR SET FLUSH LOCATED 1.25 FEET NORTH OF THE CENTER OF THE TOWER (TRUE NORTH POINT).

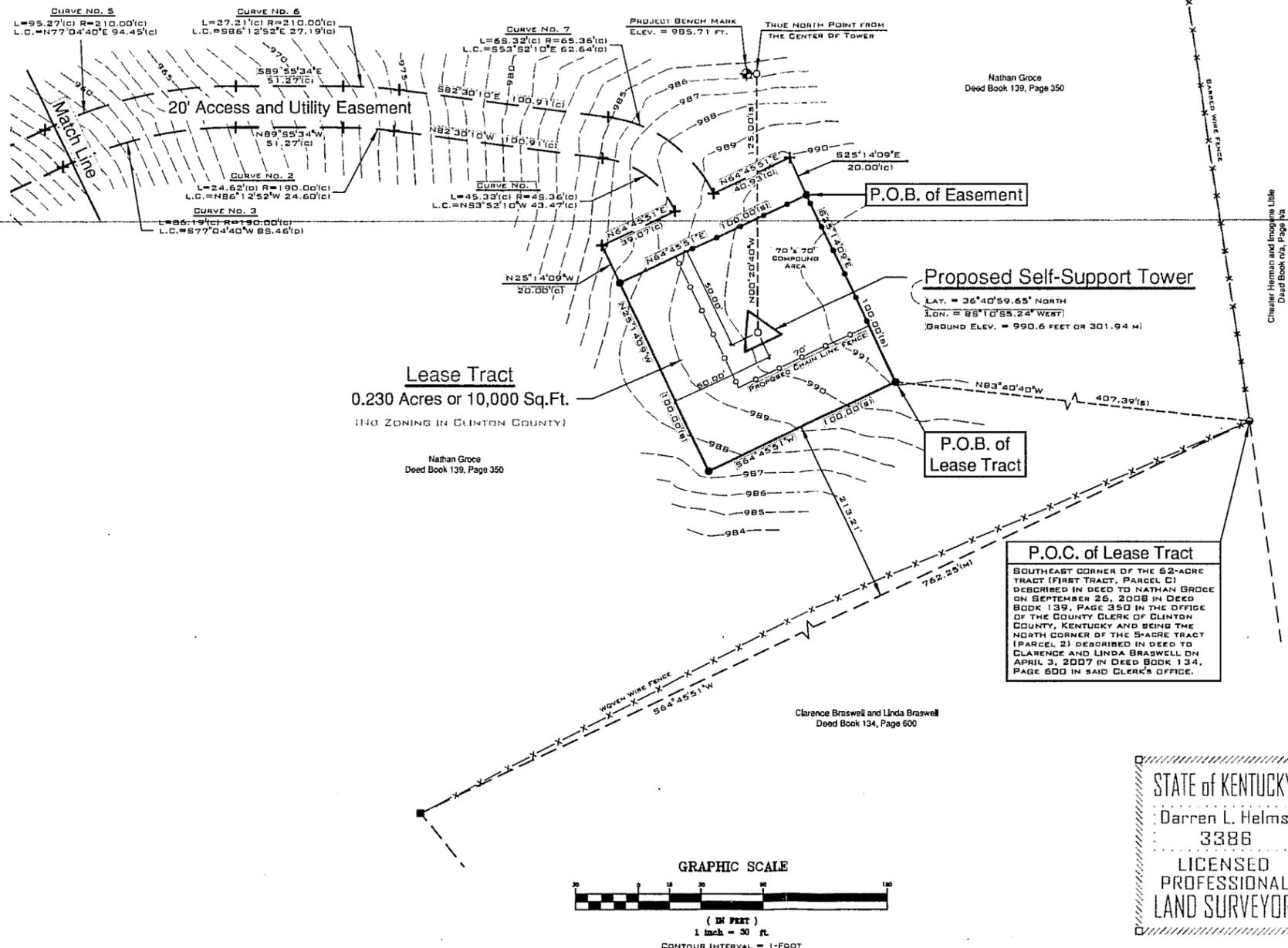
Flood Plain Statement

THE SUBJECT SITE DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA ACCORDING TO THE FLOOD INSURANCE RATE MAP FOR CLINTON COUNTY, KENTUCKY, MAP NO. 210530D120C, DATED JULY 22, 2010.



Directions to Site

FROM ELIZABETHTOWN, KENTUCKY: TRAVEL SOUTH ON I-65 TO EXIT 43 AND THE CUMBERLAND PARKWAY; TRAVEL EAST ON THE CUMBERLAND PARKWAY TO EXIT 14 AND KENTUCKY HIGHWAY 90 ON THE SOUTH SIDE OF GLASGOW; TRAVEL EAST ON KENTUCKY HIGHWAY 90 FOR ABOUT 47 MILES TO KENTUCKY HIGHWAY 1590 NEAR ALBANY; TURN RIGHT ONTO KENTUCKY HIGHWAY 1590 AND TRAVEL SOUTH, TOWARD ALBANY, FOR 5.3 MILES TO U.S. HIGHWAY 127; TURN RIGHT ONTO U.S. HIGHWAY 127 AND TRAVEL SOUTH FOR 0.8 MILES TO KENTUCKY HIGHWAY 553 (WISDOM DOCK ROAD); TURN RIGHT ONTO KENTUCKY HIGHWAY 553 AND TRAVEL WESTWARD FOR 1.9 MILES TO LITTLE ROAD; TURN RIGHT ONTO LITTLE ROAD (NARROW PAVED LANE) AND TRAVEL NORTHERLY 0.15 MILES TO THE TOWER ACCESS LANE AND A GATE; TURN RIGHT ONTO THE ACCESS LANE AND TRAVEL EASTWARD THROUGH A PASTURE FOR 600 FEET TO THE TOWER SITE.



Lease Boundary and Easement Description

A TRACT OF LAND THAT IS LOCATED 700 FEET NORTH OF THE INTERSECTION OF LITTLE ROAD WITH KENTUCKY HIGHWAY 553 (WISDOM DOCK ROAD) NEAR ALBANY, CLINTON COUNTY, KENTUCKY; SAID TRACT BEING DESCRIBED AS FOLLOWS:

COMMENCING AT A 5/8-INCH REBAR FOUND EXPOSED 4 INCHES AT A WOOD CORNER POST; SAID REBAR IS THE SOUTHEAST CORNER OF THE 62-ACRE TRACT (FIRST TRACT, PARCEL C) DESCRIBED IN DEED TO NATHAN GROCE ON SEPTEMBER 26, 2008 IN DEED BOOK 139, PAGE 350 IN THE OFFICE OF THE COUNTY CLERK OF CLINTON COUNTY, KENTUCKY AND BEING THE NORTH CORNER OF THE 5-ACRE TRACT (PARCEL 2) DESCRIBED IN DEED TO CLARENCE AND LINDA BRASWELL ON APRIL 3, 2007 IN DEED BOOK 134, PAGE 600 IN SAID CLERK'S OFFICE; THENCE NORTH 83 DEGREES 40 MINUTES 40 SECONDS WEST 407.39 FEET TO A 5/8-INCH REBAR SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3386" (REFERRED TO AS A REBAR IN THE REMAINDER OF THIS DESCRIPTION) AT THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE SOUTH 64 DEGREES 45 MINUTES 51 SECONDS WEST 100.00 FEET TO A REBAR SET FLUSH; THENCE NORTH 25 DEGREES 14 MINUTES 09 SECONDS WEST 100.00 FEET TO A REBAR SET FLUSH; THENCE NORTH 64 DEGREES 45 MINUTES 51 SECONDS EAST 100.00 FEET TO A REBAR SET FLUSH; THENCE SOUTH 25 DEGREES 14 MINUTES 09 SECONDS EAST 100.00 FEET TO THE POINT OF BEGINNING AND CONTAINING 0.230 ACRES (10,000 SQUARE FEET), MORE OR LESS.

TOGETHER WITH AN ACCESS AND UTILITY EASEMENT FROM THE ABOVE-DESCRIBED 0.230-ACRE LEASE TRACT TO LITTLE ROAD; SAID EASEMENT BEING DESCRIBED AS FOLLOWS: BEGINNING AT A 5/8-INCH REBAR SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3386" AT THE NORTHEAST CORNER OF THE ABOVE-DESCRIBED 0.230-ACRE LEASE TRACT; THENCE SOUTH 64 DEGREES 45 MINUTES 51 SECONDS WEST 100.00 FEET TO A REBAR SET FLUSH WITH SAID HELMS SURVEY CAP; THENCE NORTH 25 DEGREES 14 MINUTES 09 SECONDS WEST 20.00 FEET; THENCE NORTH 64 DEGREES 45 MINUTES 51 SECONDS EAST 39.07 FEET; THENCE NORTHWESTERLY 45.33 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF 45.33 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 83 DEGREES 52 MINUTES 10 SECONDS WEST AND A LENGTH OF 43.47 FEET; THENCE NORTH 82 DEGREES 30 MINUTES 10 SECONDS WEST 100.91 FEET; THENCE WESTERLY 24.62 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF 190.00 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 86 DEGREES 12 MINUTES 52 SECONDS WEST AND A LENGTH OF 24.60 FEET; THENCE NORTH 89 DEGREES 55 MINUTES 34 SECONDS WEST 51.27 FEET; THENCE SOUTHWESTERLY 86.19 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF 190.00 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF SOUTH 77 DEGREES 04 MINUTES 40 SECONDS WEST AND A LENGTH OF 85.46 FEET; THENCE SOUTH 64 DEGREES 04 MINUTES 53 SECONDS WEST 184.70 FEET; THENCE SOUTHWESTERLY 33.01 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF 20.00 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF SOUTH 15 DEGREES 48 MINUTES 07 SECONDS WEST AND A LENGTH OF 29.39 FEET; THENCE SOUTH 30 DEGREES 28 MINUTES 40 SECONDS EAST 136.54 FEET; THENCE SOUTH 32 DEGREES 42 MINUTES 36 SECONDS EAST 94.07 FEET; THENCE SOUTH 35 DEGREES 10 MINUTES 22 SECONDS EAST 100.54 FEET; THENCE SOUTH 34 DEGREES 46 MINUTES 30 SECONDS EAST 130.32 FEET; THENCE SOUTH 33 DEGREES 17 MINUTES 01 SECONDS EAST 64.03 FEET TO THE SOUTHEASTERN BOUNDARY OF THE ABOVE-DESCRIBED 62-ACRE TRACT AND BEING THE NORTHERN TERMINUS OF THE RIGHT OF WAY OF LITTLE ROAD ACCORDING TO THE CLINTON COUNTY HIGHWAY DEPARTMENT; THENCE ALONG SAID SOUTHEASTERN BOUNDARY AND THE NORTHERN TERMINUS OF SAID ROAD, SOUTH 52 DEGREES 20 MINUTES 46 SECONDS WEST 206.66 FEET; THENCE NORTH 33 DEGREES 17 MINUTES 01 SECONDS WEST 65.30 FEET; THENCE NORTH 34 DEGREES 46 MINUTES 30 SECONDS WEST 129.99 FEET; THENCE NORTH 54 DEGREES 04 MINUTES 53 SECONDS EAST 228.01 FEET; THENCE NORTHWESTERLY 95.27 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 210.00 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 77 DEGREES 04 MINUTES 40 SECONDS EAST AND A LENGTH OF 84.45 FEET; THENCE SOUTH 89 DEGREES 55 MINUTES 34 SECONDS EAST 51.27 FEET; THENCE EASTERLY 27.21 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 210.00 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF SOUTH 85 DEGREES 12 MINUTES 52 SECONDS EAST AND A LENGTH OF 27.19 FEET; THENCE SOUTH 82 DEGREES 30 MINUTES 10 SECONDS EAST 100.91 FEET; THENCE SOUTHWESTERLY 65.33 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 65.33 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING OF SOUTH 53 DEGREES 52 MINUTES 10 SECONDS EAST AND A LENGTH OF 62.64 FEET; THENCE NORTH 64 DEGREES 45 MINUTES 51 SECONDS EAST 40.93 FEET; THENCE SOUTH 25 DEGREES 14 MINUTES 09 SECONDS EAST 20.00 FEET TO THE POINT OF BEGINNING.

THE BEARING SYSTEM OF THESE DESCRIPTIONS IS BASED UPON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011), AS DETERMINED BY G.P.S. OBSERVATIONS MADE ON JANUARY 14, 2014 USING AN ACCESSORY MONUMENT TO THE NATIONAL GEODETIC SURVEY MONUMENT "FBN RUSTY" (NOW DESTROYED).

THESE DESCRIPTIONS ARE BASED UPON A SURVEY COMPLETED BY LANDMARK SURVEYING CO., INC. AND CERTIFIED BY DARREN L. HELMS, P.L.S. 3386, ON JANUARY 24, 2014.

SOURCE OF TITLE: BEING A PORTION OF AND LINES ENTIRELY WITHIN THE LAND DESCRIBED IN DEED TO NATHAN GROCE ON SEPTEMBER 26, 2008 IN DEED BOOK 139, PAGE 350 IN THE OFFICE OF THE COUNTY CLERK OF CLINTON, KENTUCKY.

Surveyor's Notes

1. THIS SURVEY IS SUBJECT TO A STATEMENT OF FACTS WHICH MAY BE DISCLOSED BY AN ABSTRACT OF TITLE OR A TITLE COMMITMENT POLICY. THIS DOCUMENTATION WAS NOT PROVIDED BY THE CLIENT.
2. NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE PARENT TRACT.
3. THE UTILITIES SHOWN ON THIS PLAN MAY OR MAY NOT REPRESENT ALL OF THE UTILITIES LOCATED ON THE SUBJECT SITE. THE PRESENCE OF UTILITIES WAS DETERMINED BY A VISUAL INSPECTION OF THE PROPERTY SURFACE. NO UTILITY LOCATE WAS CALLED IN PRIOR TO THIS SURVEY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION.
4. THE TOPOGRAPHIC INFORMATION CONTAINED ON THIS PLAN WAS AS REQUESTED BY THE CLIENT AND MAY OR MAY NOT REPRESENT ALL OF THE TOPOGRAPHIC FEATURES LOCATED ON THE SUBJECT PROPERTY.
5. ACCORDING TO THE OFFICE OF MR. LYLE K. HUFF, CLINTON COUNTY JUDGE EXECUTIVE, NO LEGAL PLANNING UNIT EXISTS WHICH HAS GEOGRAPHICAL JURISDICTION OF THE SUBJECT TOWER SITE. THE COUNTY JUDGE EXECUTIVE'S OFFICE MAY BE CONTACTED AT 606-387-5234 FOR CONFIRMATION.
6. THE PROPOSED LOCATION OF THE ALBANY CAPACITY 1 CELL SITE WILL BE LOCATED OUTSIDE OF AN INCORPORATED CITY.
7. THE COUNTY ROAD'S RIGHT OF WAY SHOWN HEREON WAS DETERMINED BY USE AND INFORMATION PROVIDED BY THE CLINTON COUNTY HIGHWAY DEPARTMENT.

Legend

- 5/8" REBAR, 2' IN LENGTH, SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3386"
- 5/8" REBAR SET FLUSH - NO CAP
- ⊙ 5/8" REBAR FOUND EXPOSED 4"± WITH A SURVEY CAP INSCRIBED "ALBANY PLS 3149"
- 7" DIAMETER WOOD CORNER POST
- X CALCULATED LOCATION
- SUBJECT BOUNDARIES
- SUBJECT EASEMENT BOUNDARIES
- PROPERTY LINES
- RIGHT OF WAY
- UTILITY POLE
- ⊙ WATER METER
- TELEPHONE PEDESTAL
- UTILITY AS NOTED
- (M) MEASURED COURSE
- (R) RECORD COURSE
- (C) CALCULATED COURSE
- (S) STAKED COURSE

Surveyor's Certification

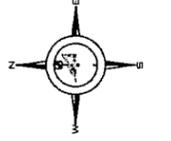
I HEREBY CERTIFY THAT THIS PLAN HAS BEEN COMPILED FROM A SURVEY ACTUALLY MADE UPON THE GROUND UNDER MY DIRECT SUPERVISION ON JANUARY 14, 2014 BY THE METHOD OF A RABELENE SURVEY. THE UNADJUSTED PRECISION OF THIS SURVEY IS 1:30,400 AND IT WAS NOT ADJUSTED. THIS PLAN REPRESENTS A RURAL BOUNDARY SURVEY AND COMPLIES WITH THE REQUIREMENTS OF 201 KAR 18:150.

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

01-24-2014
 DATE

Reduced Copy

LANDMARK SURVEYING CO., INC.
 15 N.E. 3RD STREET
 WASHINGTON, INDIANA 47501
 (812) 257-0950
 Email: dlhelms@landmark.net
 Project No. 15-11-0164



Lease Boundary Survey
 3028 Wisdom Dock Road
 Albany, Kentucky 42602

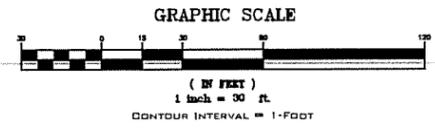
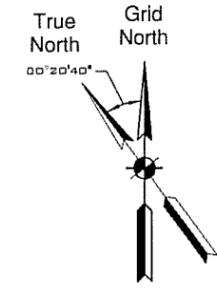
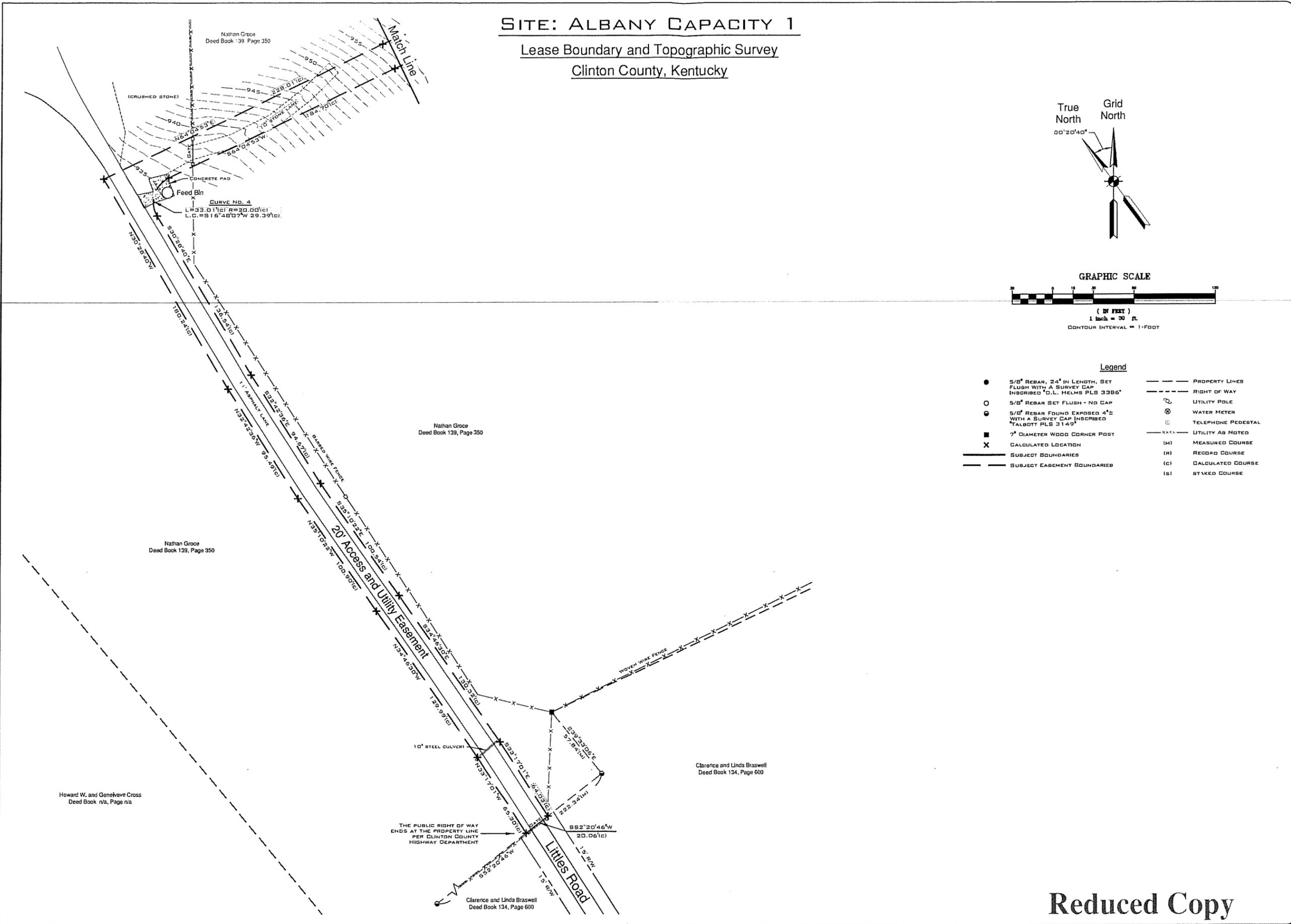
Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, KY 42701

REVISIONS	DATE

SHEET No.
 1
 of 2 SHEETS

FILE NAME
 abanyc1-rev1.dwg

SITE: ALBANY CAPACITY 1
Lease Boundary and Topographic Survey
Clinton County, Kentucky



Legend

●	5/8" REBAR, 24" IN LENGTH, SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3386"	---	PROPERTY LINES
○	5/8" REBAR SET FLUSH - NO CAP	- - - -	RIGHT OF WAY
○	5/8" REBAR FOUND EXPOSED 4"± WITH A SURVEY CAP INSCRIBED "TALBOTT PLS 3149"	⊕	UTILITY POLE
■	7" DIAMETER WOOD CORNER POST	⊗	WATER METER
X	CALCULATED LOCATION	⊕	TELEPHONE PEDESTAL
---	SUBJECT BOUNDARIES	----	UTILITY AS NOTED
- - - -	SUBJECT EASEMENT BOUNDARIES	(M)	MEASURED COURSE
		(R)	RECORD COURSE
		(C)	CALCULATED COURSE
		(S)	STAKED COURSE

LANDMARK SURVEYING CO., LLC
 15 N.E. 3RD STREET
 WASHINGTON, INDIANA 47501
 (812) 957-0950
 Email: lanmark37@icloud.net
 Project No. 15-1-10164
 4/2014

Lease Boundary Survey
 3028 Wisdom Dock Road
 Albany, Kentucky 42602

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, KY 42701

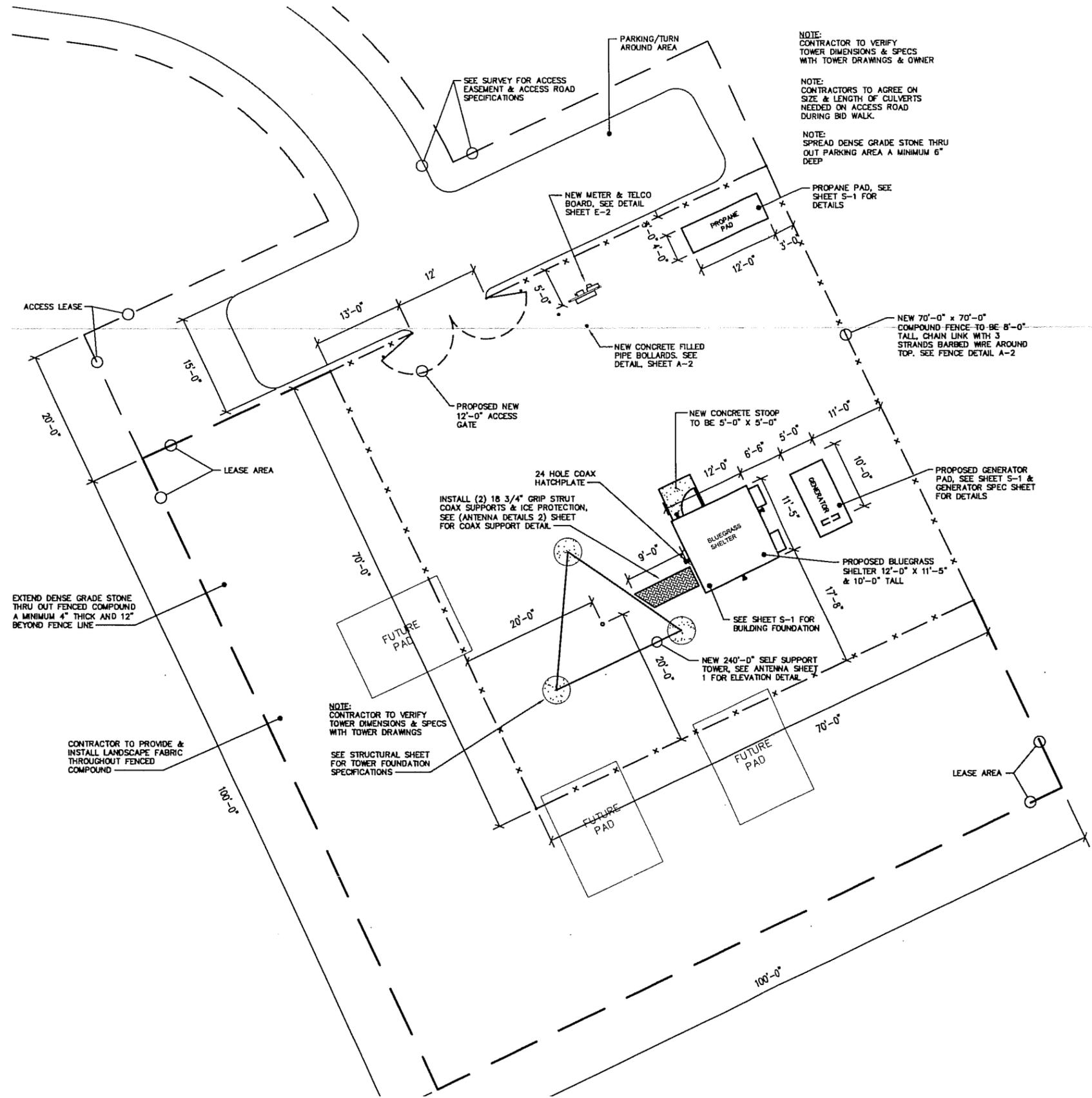
REVISIONS	DATE

DATE: 01-24-14
 DRAWN BY: A. Winkler
 CHECKED BY: D.L. Helms

SHEET No.
2
 of 2 SHEETS

FILE NAME
 albany1.dwg

Reduced Copy



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

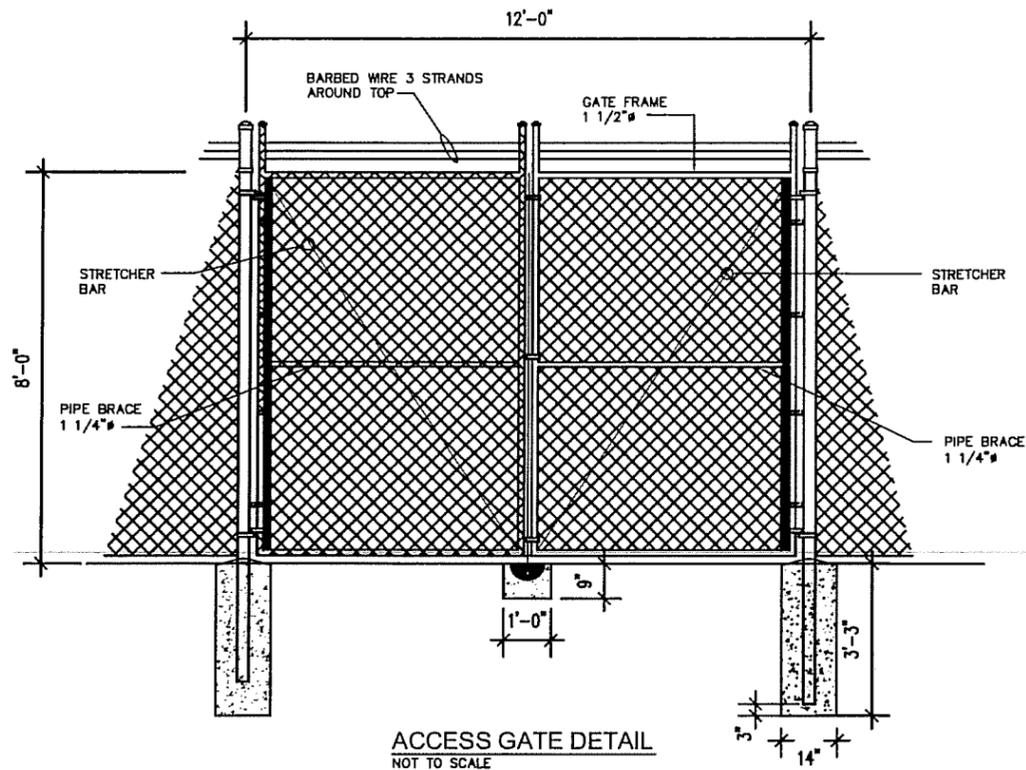


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
ALBANY CAPACITY 1
3028 WISDOM DOCK RD. ALBANY, KY. 42602

DRAWN BY: R. BECKER
ISSUE DATE: 1-30-14
SCALE: LISTED

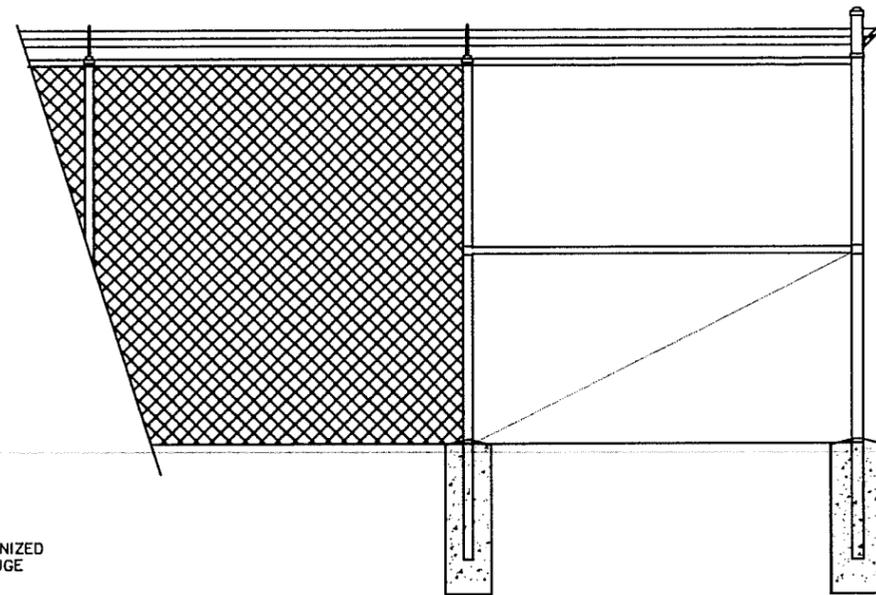
SHEET NUMBER
A-1



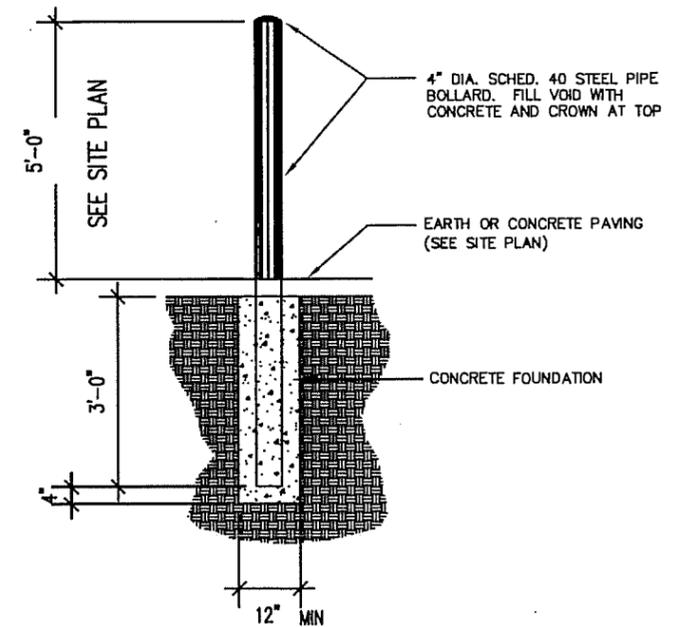
ACCESS GATE DETAIL
NOT TO SCALE

CHAIN LINK FENCING NOTES:

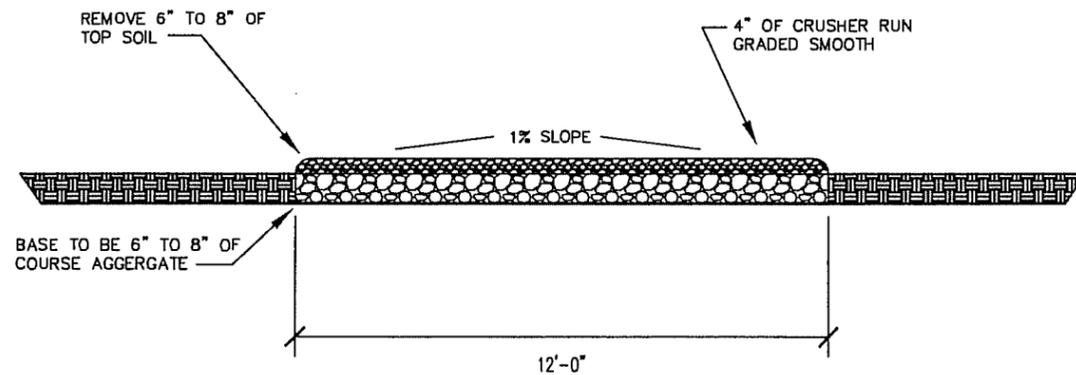
- 1 **FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- 2 **POSTS:** SHALL BE 2 3/4" O.D.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



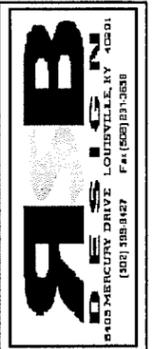
FENCE SECTION DETAIL
NOT TO SCALE



BOLLARD DETAIL
NOT TO SCALE



ROAD DETAIL
NOT TO SCALE



REVISION

NO. DATE

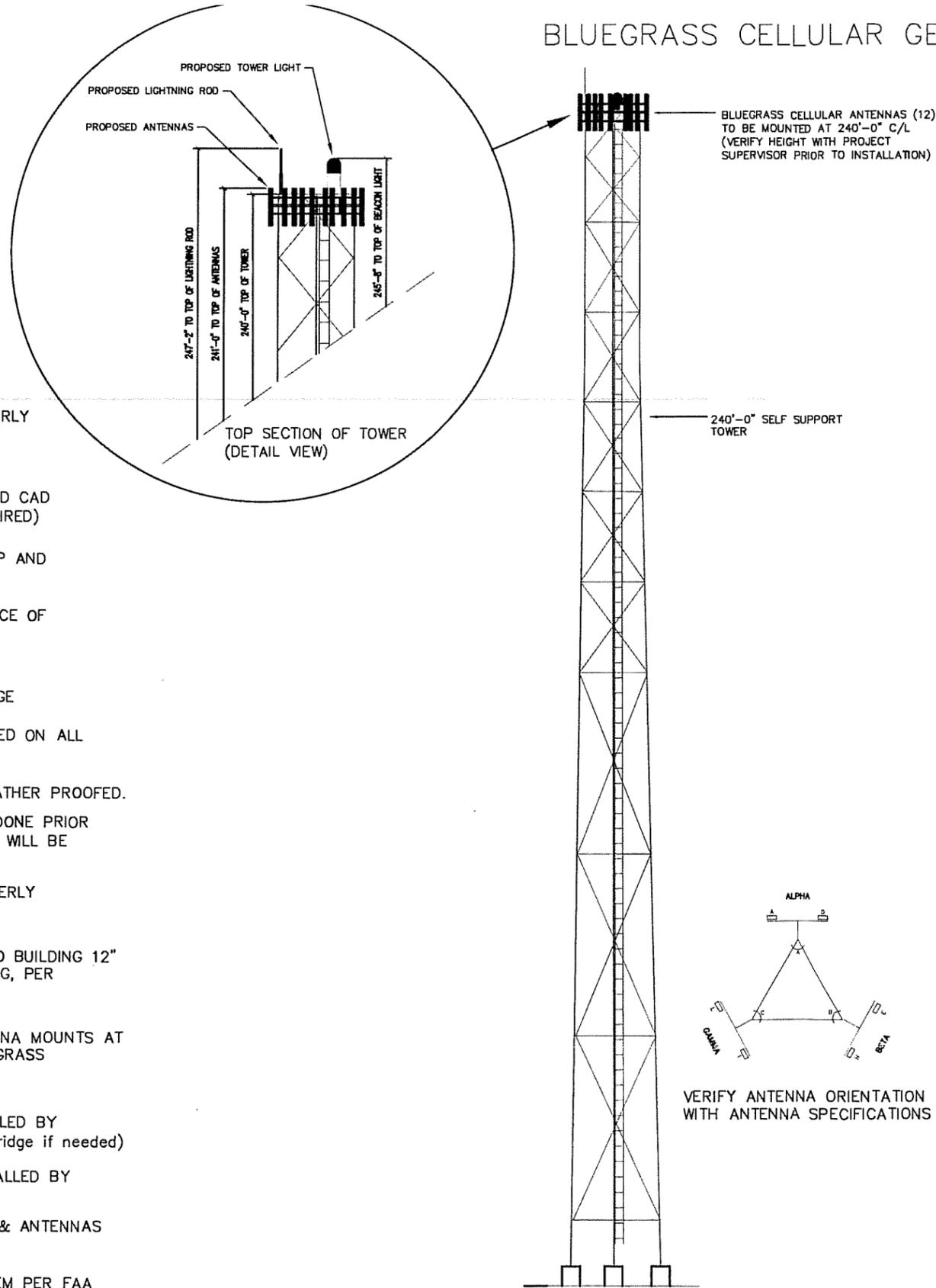
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
ALBANY CAPACITY 1
3028 WISDOM DOCK RD., ALBANY, KY. 42602

DRAWN BY: R. BECKER
ISSUE DATE: 1-30-14
SCALE: LISTED

SHEET NUMBER

A-2

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 AND GROUNDING, PER INSTRUCTION OF PROJECT SUPERVISOR.

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 & ANTENNAS COMPLETE.

CONTRACTOR TO INSTALL LIGHTING SYSTEM PER FAA ADVISORY 70/7460-1K CHANGE 2, OBSTRUCTION MARKING AND LIGHTING, A MED-DUAL SYSTEM - CHAPTERS 4,8(M-DUAL), & 12

SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	LNX-8514DS-VTM_02DT		6	0*, 120*, 240*	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)	LNX-8513DS_02DT		6	0*, 120*, 240*	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>

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"	12
TRANSMISSION LINE (SECONDARY)			

DISH SPECS

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

DISH MOUNT SPECS

	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 2* ELECTRICAL & 0* MECHANICAL
- * CDMA ANTENNA FREQUENCY 880.00 - 890.00
- * LTE ANTENNA FREQUENCY 704-710/ 7/ 10-716

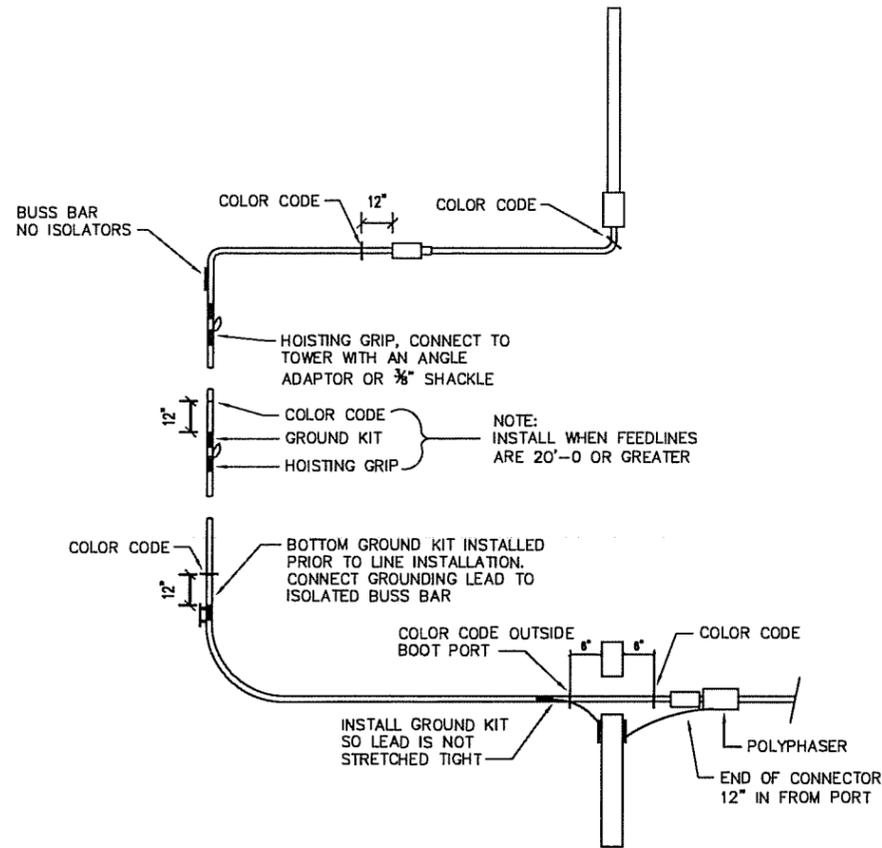


NO.	DATE	REVISION

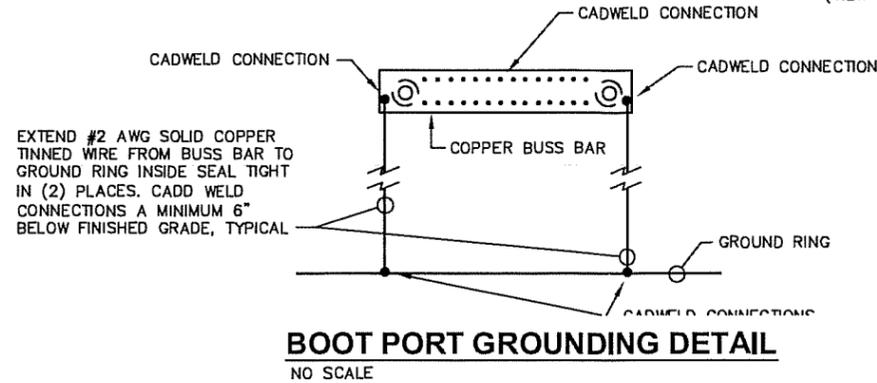
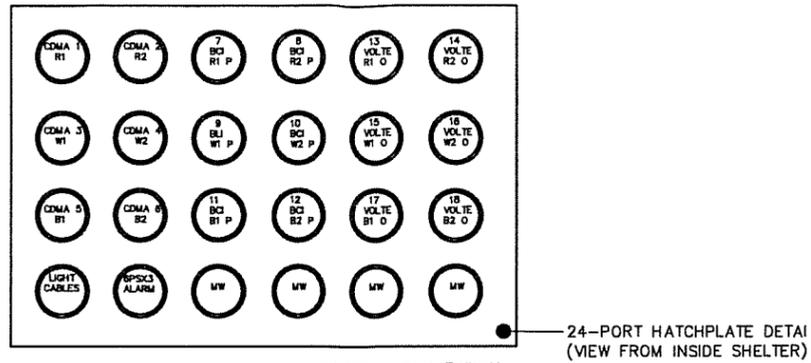
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
ALBANY CAPACITY 1
3028 WISDOM DOCK RD. ALBANY, KY. 42602

DRAWN BY: R. BECKER
ISSUE DATE: 1-30-14
SCALE: LISTED

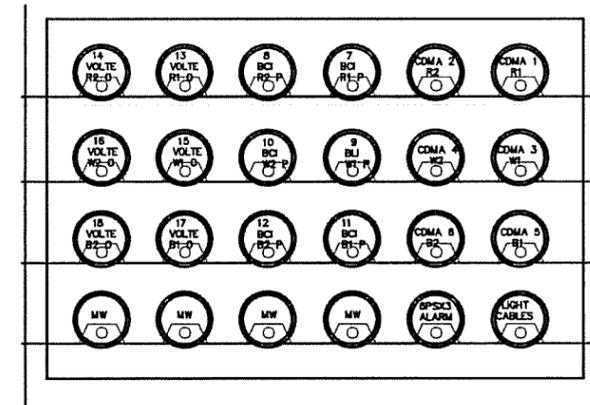
SHEET NUMBER
ANTENNA DETAILS
1



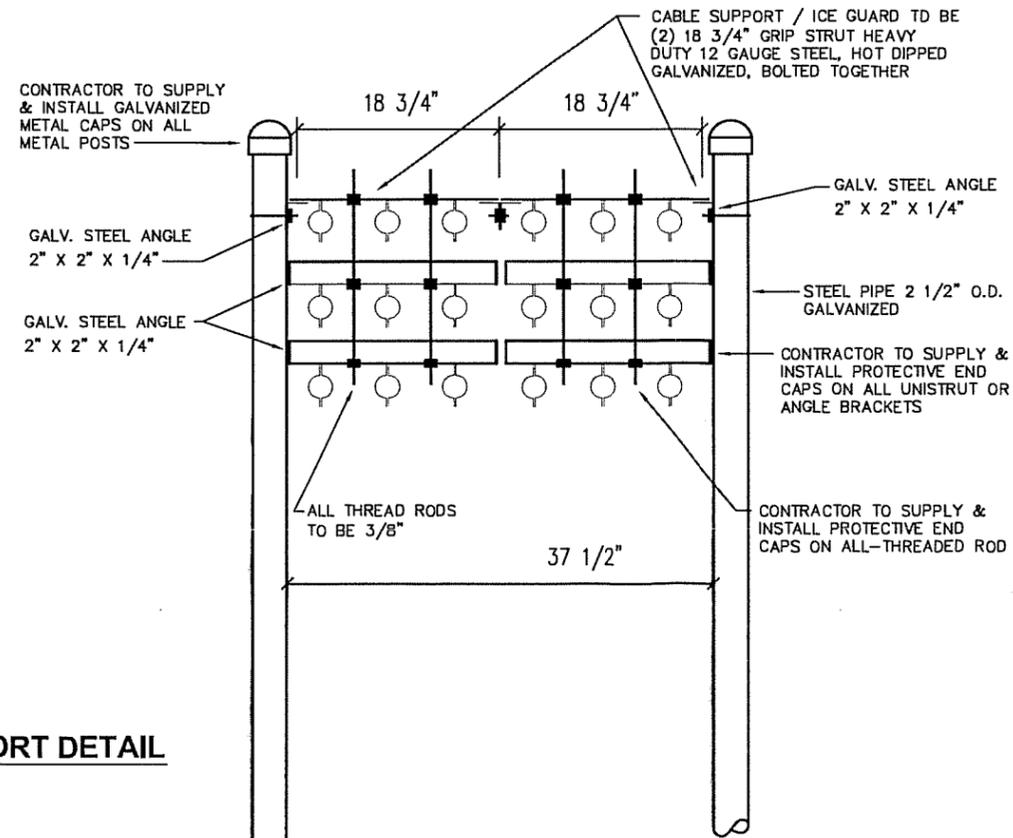
COLOR CODING DETAIL
NO SCALE



BOOT PORT GROUNDING DETAIL
NO SCALE



COAX ENTRY PORT DETAIL
(VIEW FROM OUTSIDE SHELTER)
NO SCALE



ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE

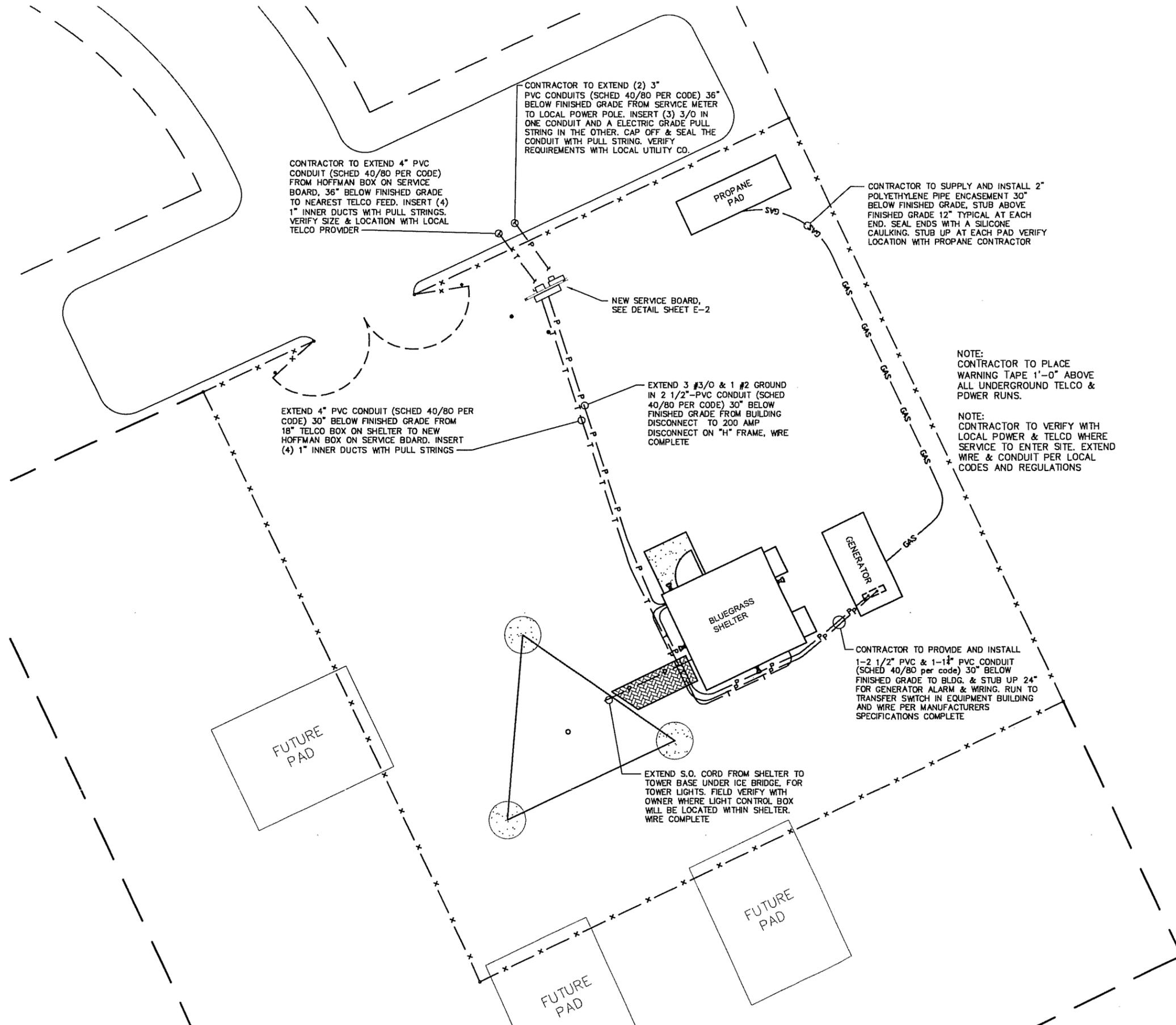


NO.	DATE	REVISION

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3028 WISDOM DOCK RD. ALBANY, KY. 42602

DRAWN BY: R. BECKER
ISSUE DATE: 1-30-14
SCALE: LISTED

SHEET NUMBER
ANTENNA DETAILS
2



GENERAL ELECTRICAL NOTES:

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

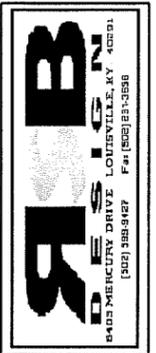
NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS. (TAKE PICTURES)

SYMBOLS LEGEND

	POWER
	GAS
	TELEPHONE
	FENCE
	SWITCH (DISCONNECT)
	METER PACK

SITE PLAN- ELECTRICAL

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

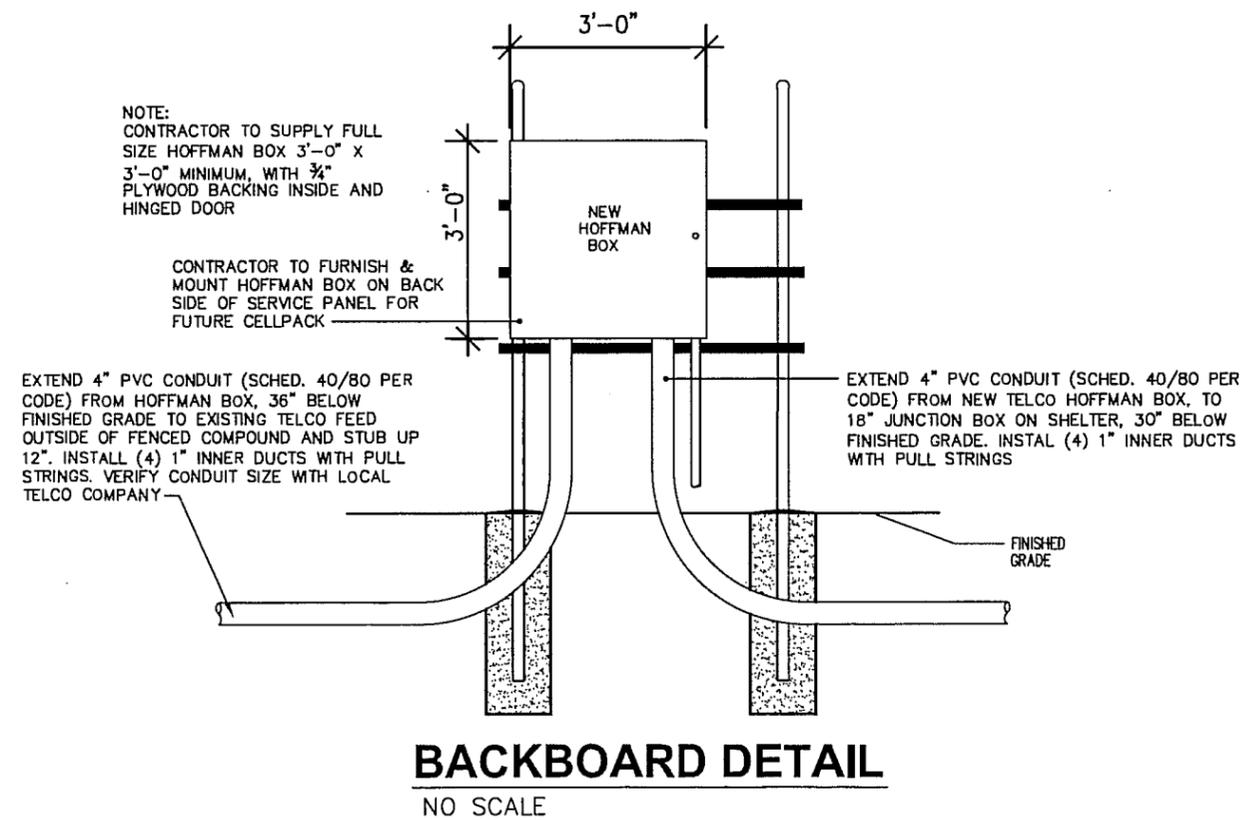
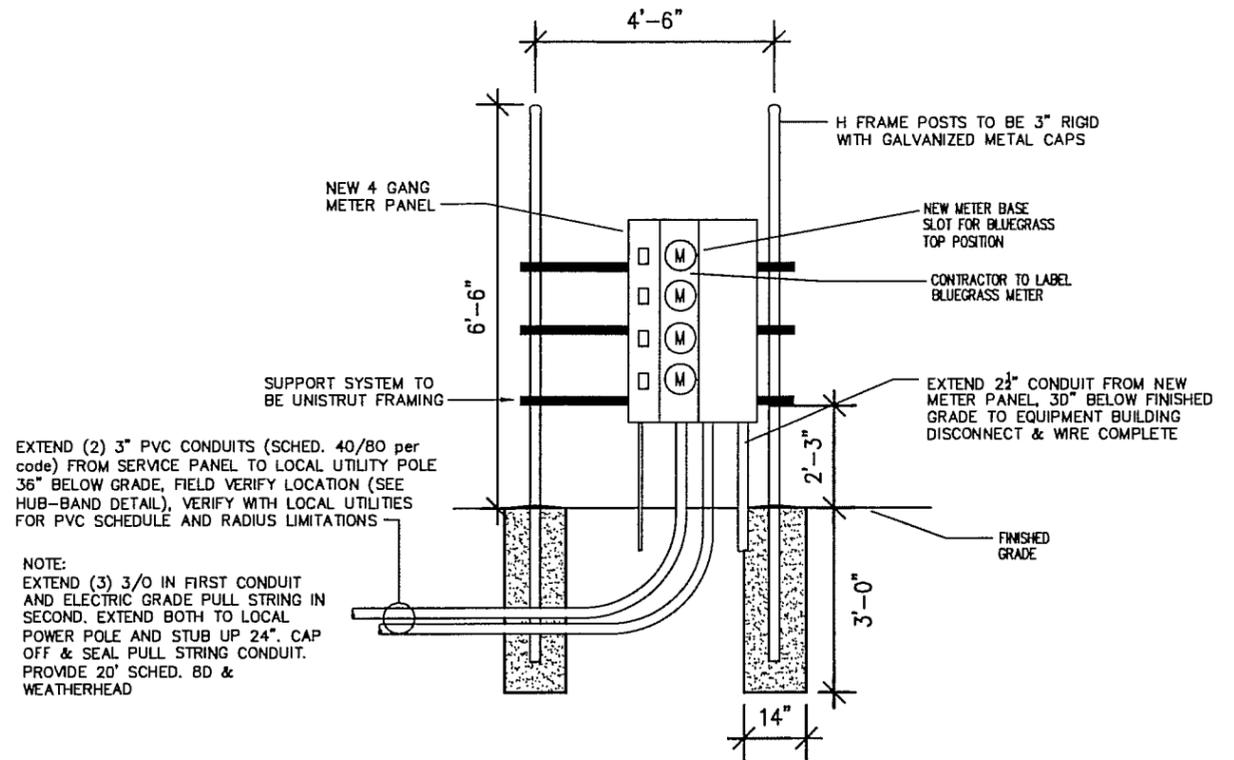
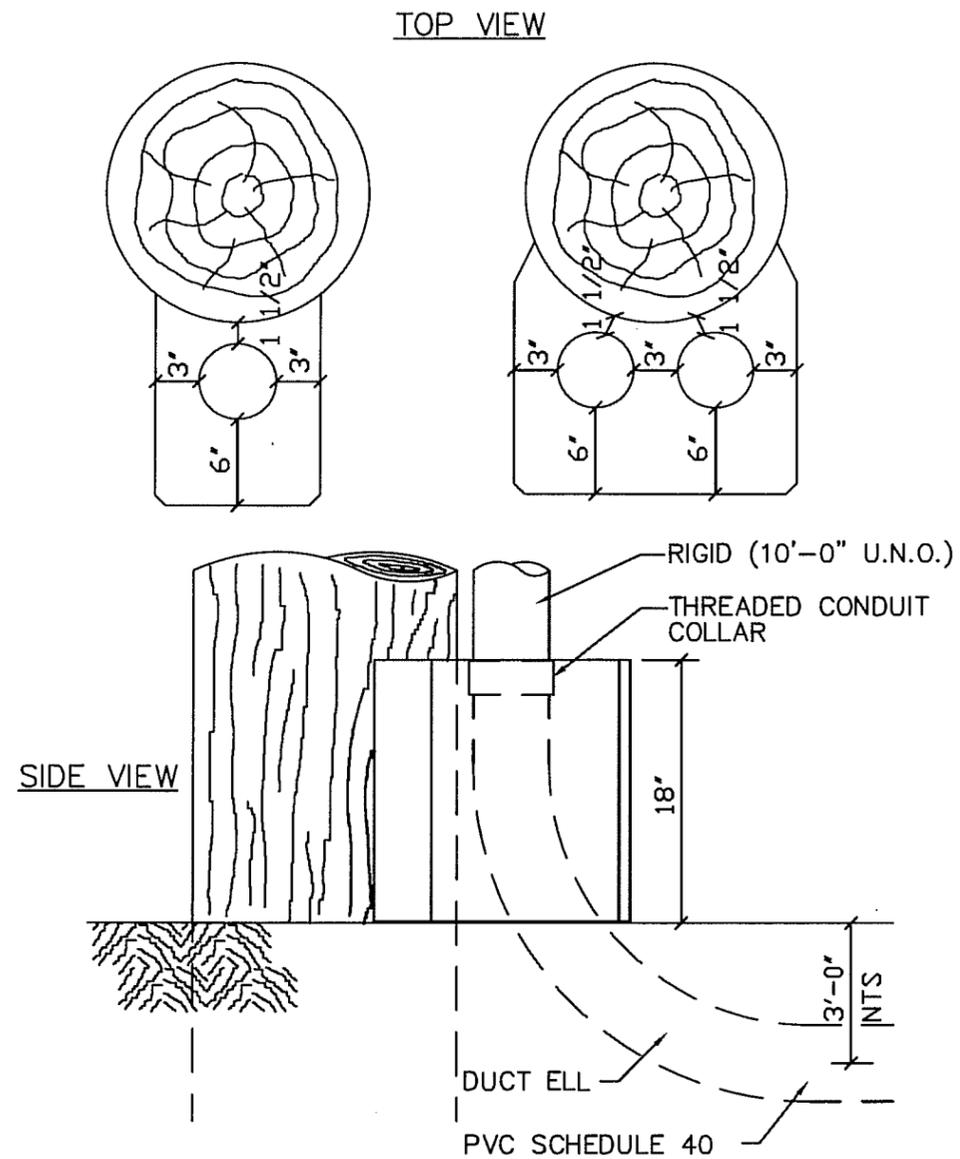


NO.	DATE	REVISION

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ALBANY CAPACITY 1
 3028 WISDOM DOCK RD. ALBANY, KY. 42602

DRAWN BY: R. BECKER
 ISSUE DATE: 1-30-14
 SCALE: LISTED

SHEET NUMBER
 E-1

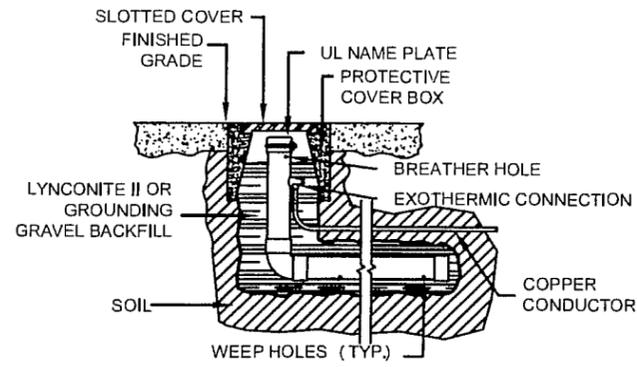


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
ALBANY CAPACITY 1
3028 WISDOM DOCK RD. ALBANY, KY. 42602

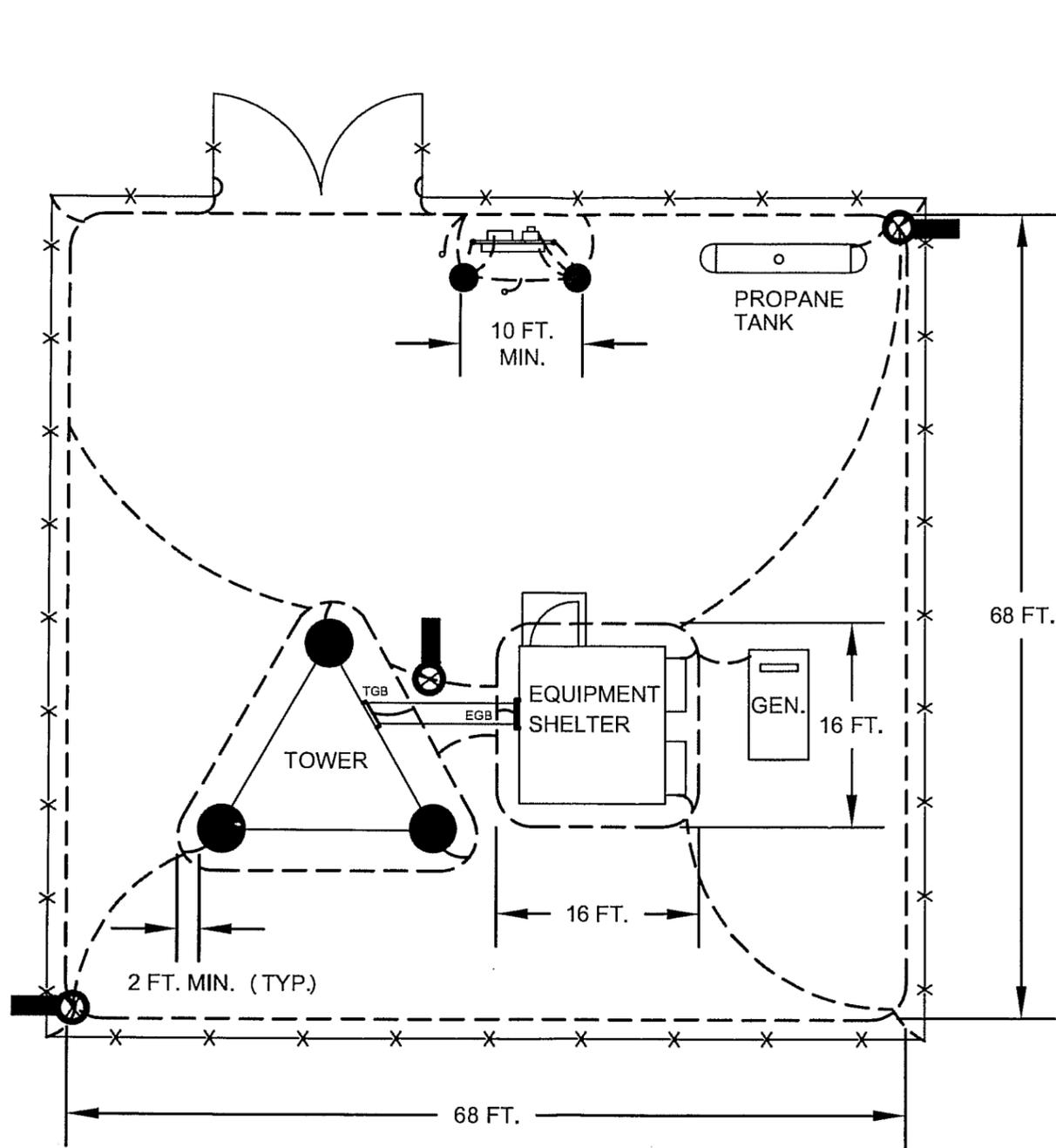
DRAWN BY: R. BECKER
ISSUE DATE: 1-30-14
SCALE: LISTED

SHEET NUMBER
E-2



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

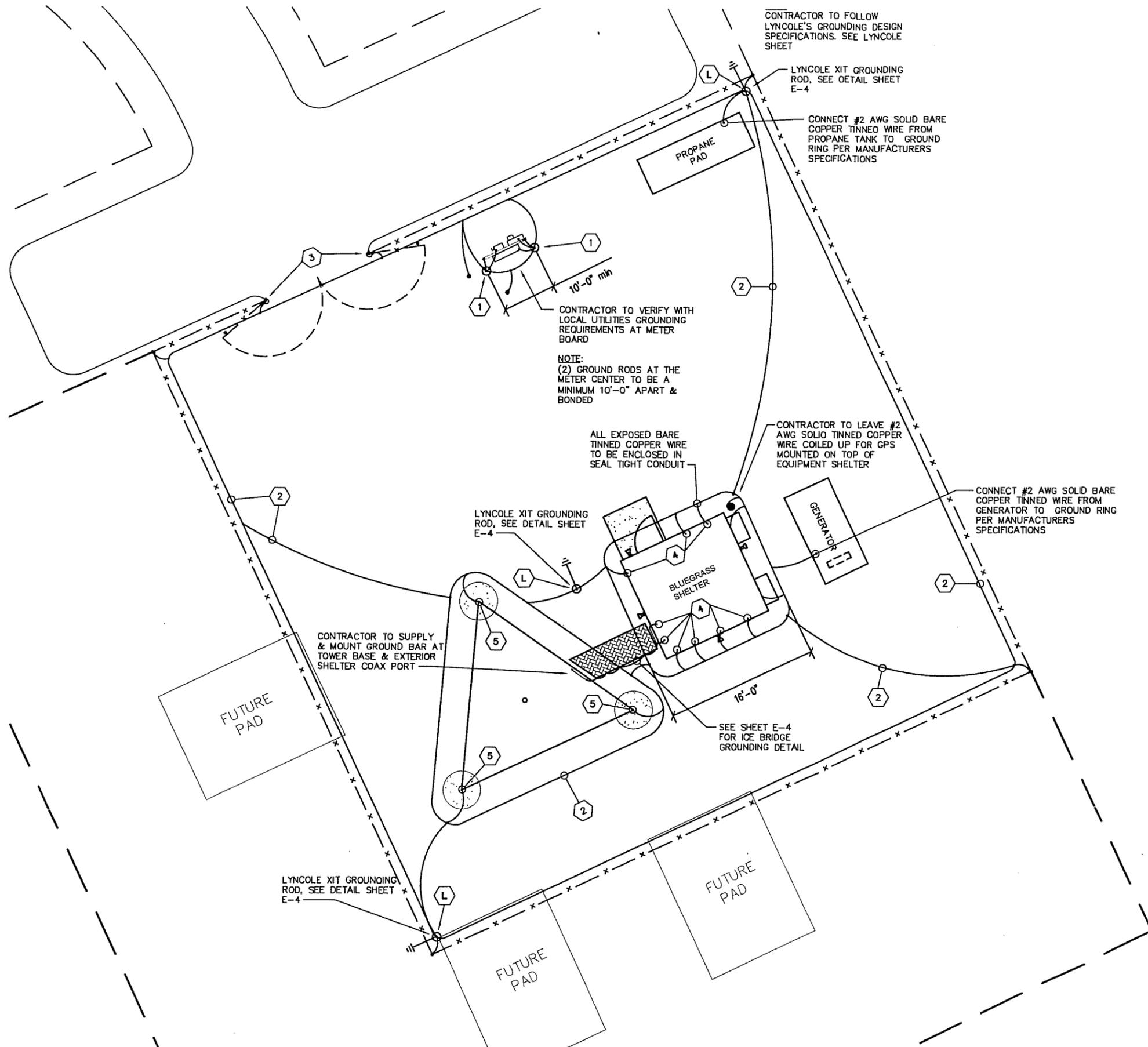
DETAIL



NOTES:

- X — FENCE LINE
- - - - BARE #2 AWG TINNED SOLID COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
- 5/8 IN. X 10 FT. COPPER CLAD DRIVEN ROD
- ⊗ K2L-10CS-24 XIT ELECTRODE (SEE DETAIL)

		CLIENT / END USER	
		RSB DESIGN / BLUEGRASS CELLULAR	
DRAWING PROJECT NAME		1 ALBANY CAPACITY 1	
TECHNICAL SERVICES		TITLE	
3547 VOYAGER STREET, SUITE 204 TORRANCE, CA, 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		GROUNDING OPTION	
SOIL DATA PROVIDED BY		LOCATION: CITY, STATE	CALCULATED RESISTANCE
RSB DESIGN		KENTUCKY	< 5 OHMS
DRAWN BY	APPROVED BY	DATE	
BBD		02/21/14	
REFERENCE NUMBER	SCALE	LTS NUMBER	
NA	NONE	140031	



GENERAL ELECTRICAL NOTES:

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

NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN ALL POWER & TELCO TRENCHES, 12" ABOVE CONDUIT RUNS, BUT BELOW FINISHED GRADE.

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

KEYNOTES:

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

SITE PLAN-GROUNDING

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



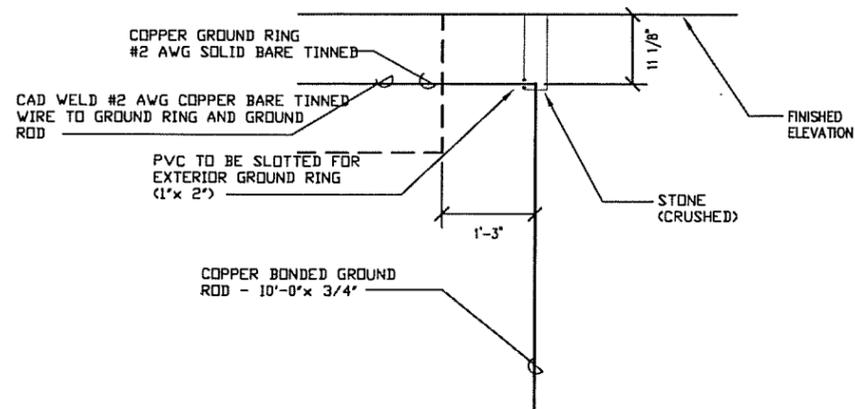
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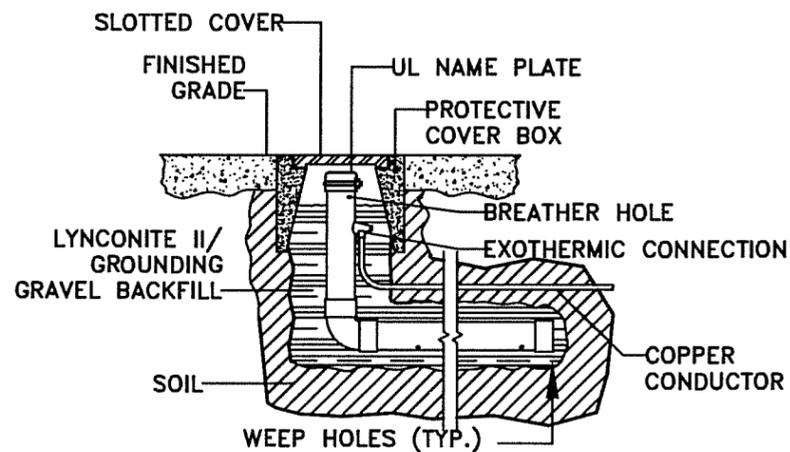
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ISSUE DATE: 1-30-14
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SHEET NUMBER

E-3

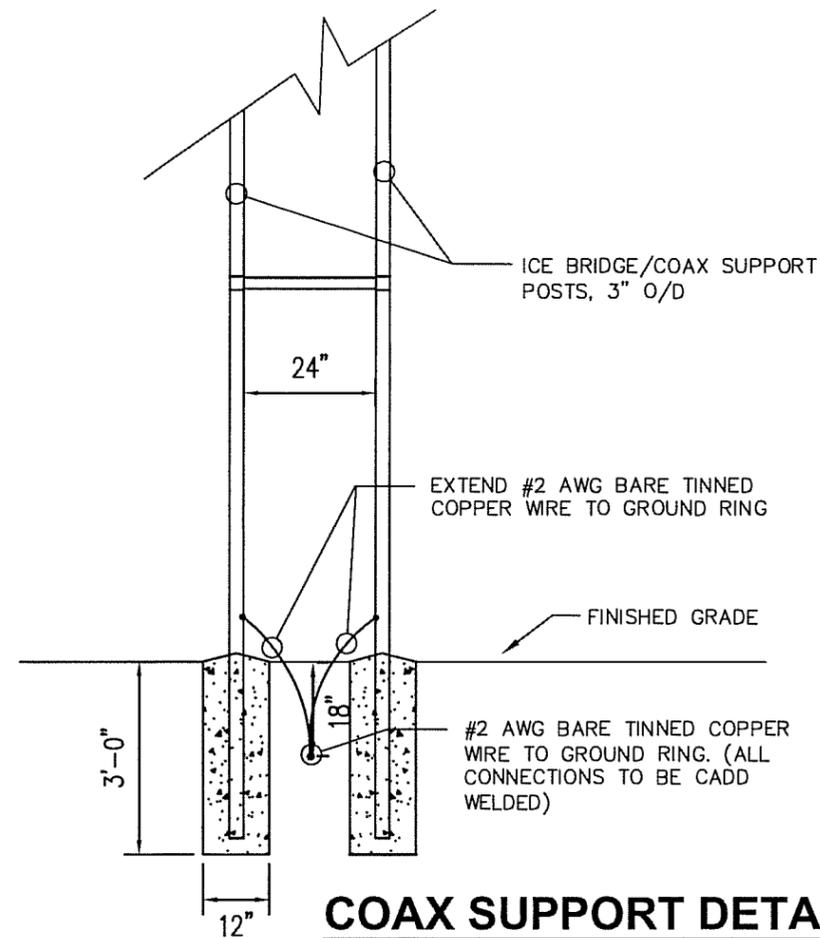


GROUND ROD DETAIL
NO SCALE

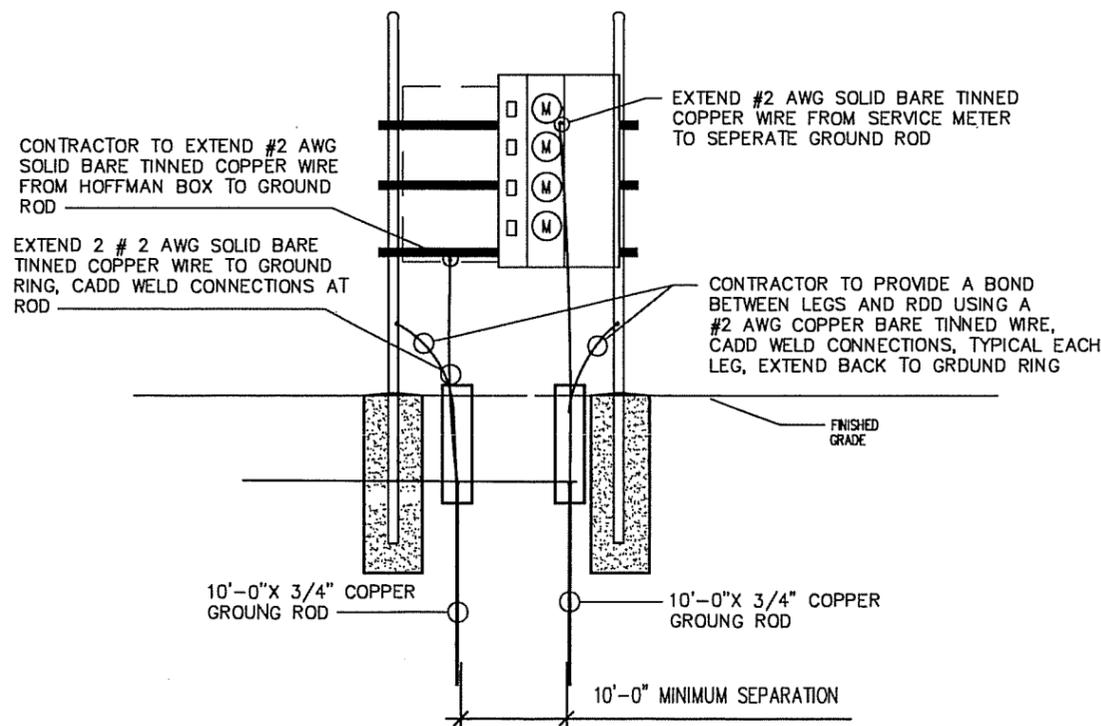


L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

LYNCOLE XIT ROD DETAIL
NO SCALE



COAX SUPPORT DETAIL
NO SCALE



SERVICE BOARD DETAIL
NO SCALE

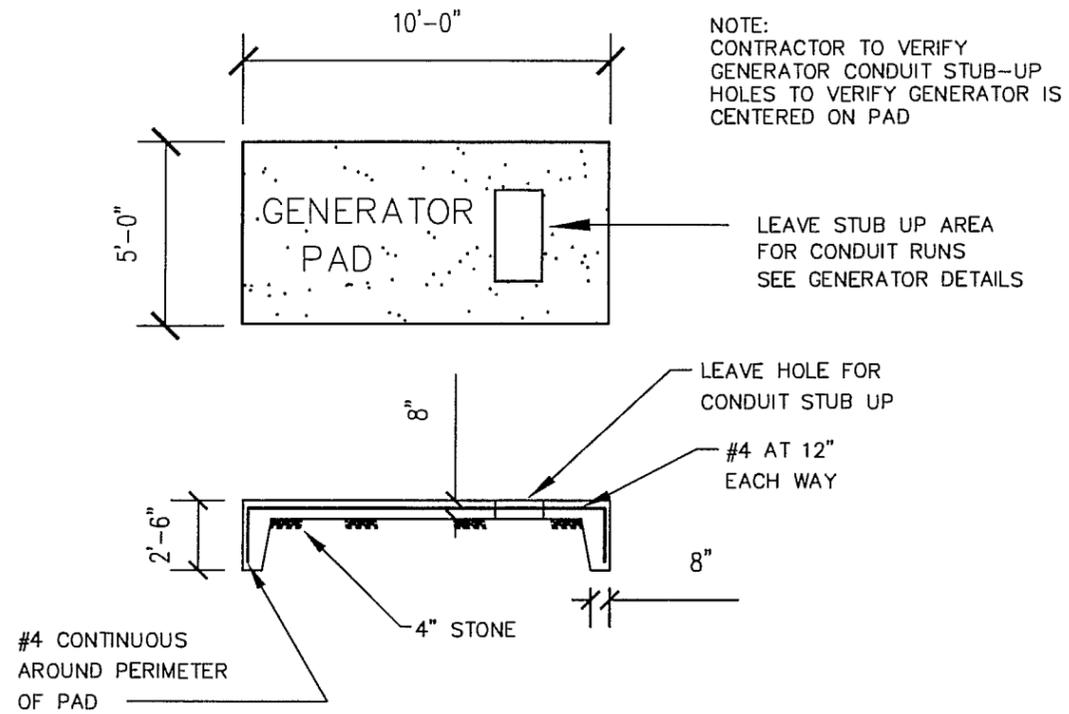


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3028 WISDOM DOCK RD. ALBANY, KY. 42602

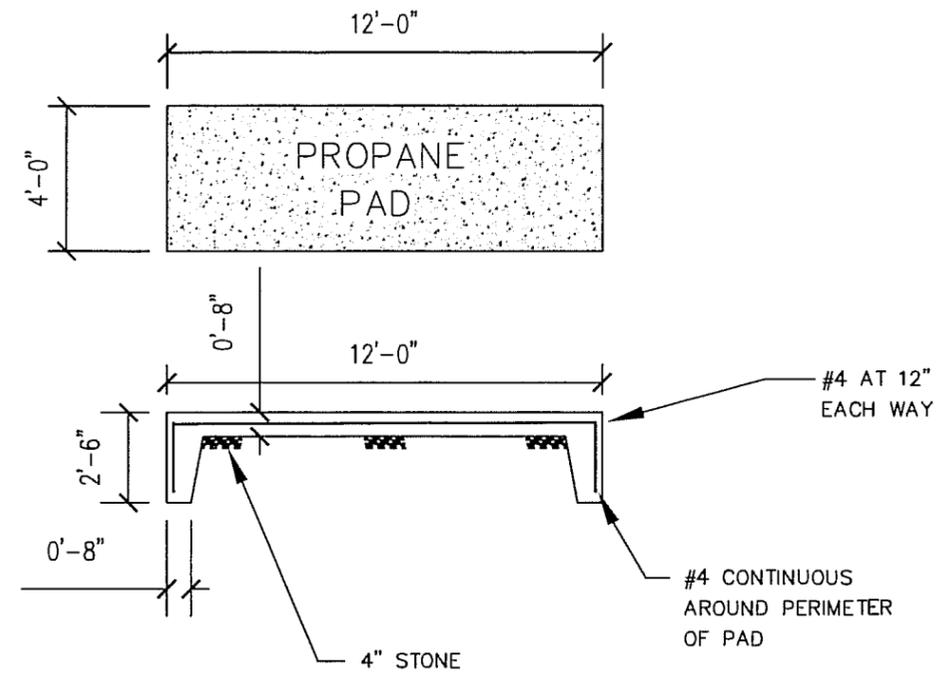
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SCALE: LISTED

SHEET NUMBER
E-4



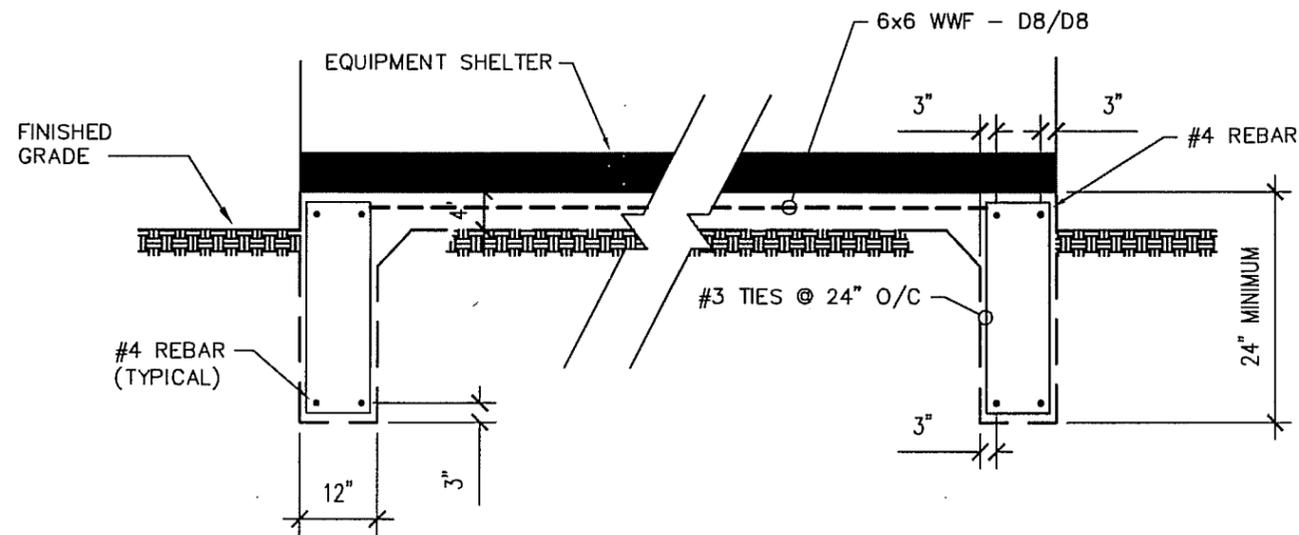
FOUNDATION DETAIL

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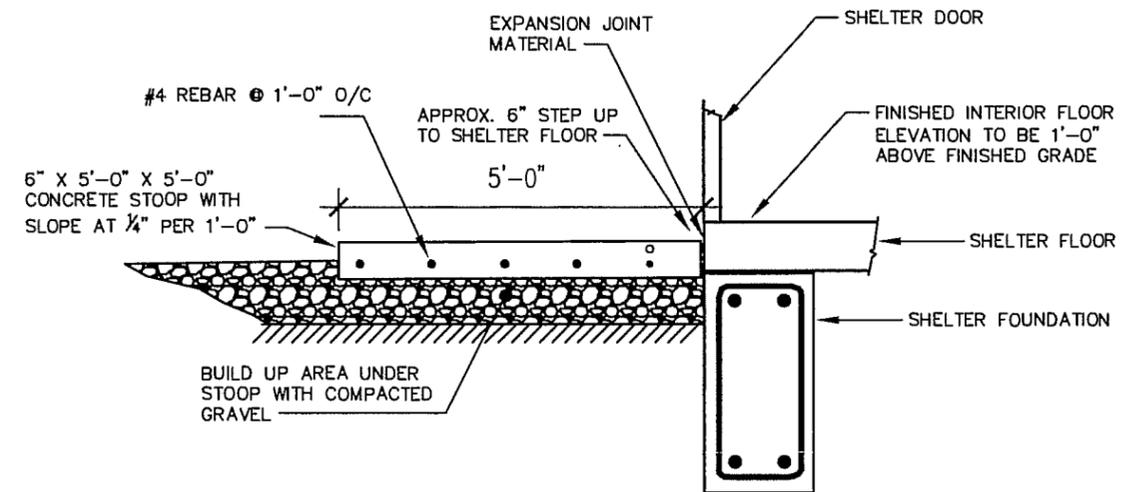
FOUNDATION DETAIL

NO SCALE



SHELTER FOUNDATION PLAN

NO SCALE



CONCRETE STOOP DETAIL

NO SCALE



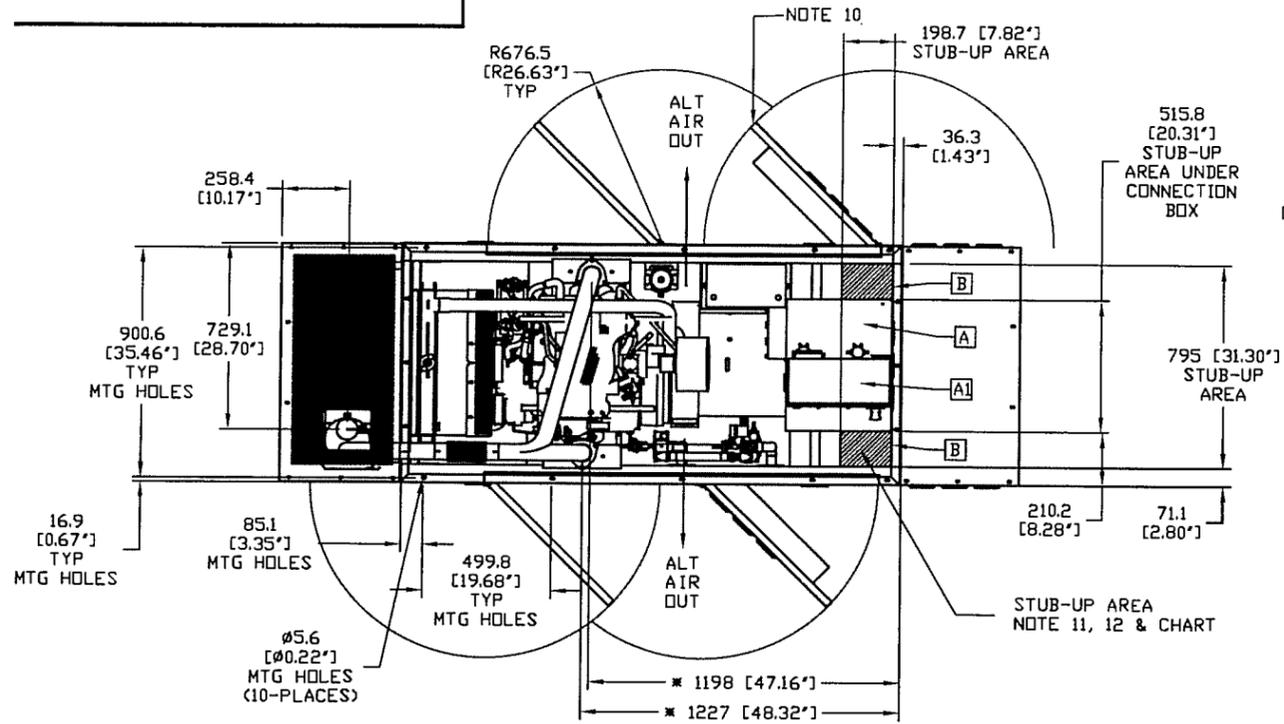
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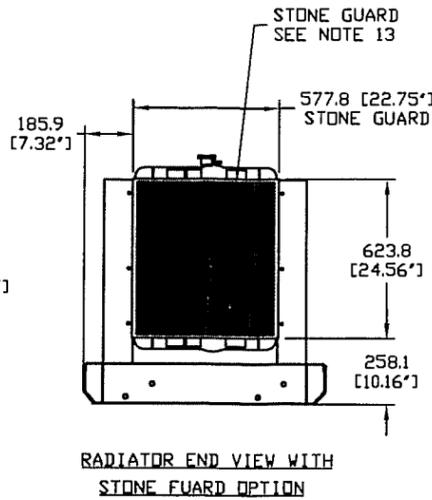
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 SCALE: LISTED

SHEET NUMBER
 S-1

0G7627



TOP OR PLAN VIEW



RADIATOR END VIEW WITH STONE GUARD OPTION

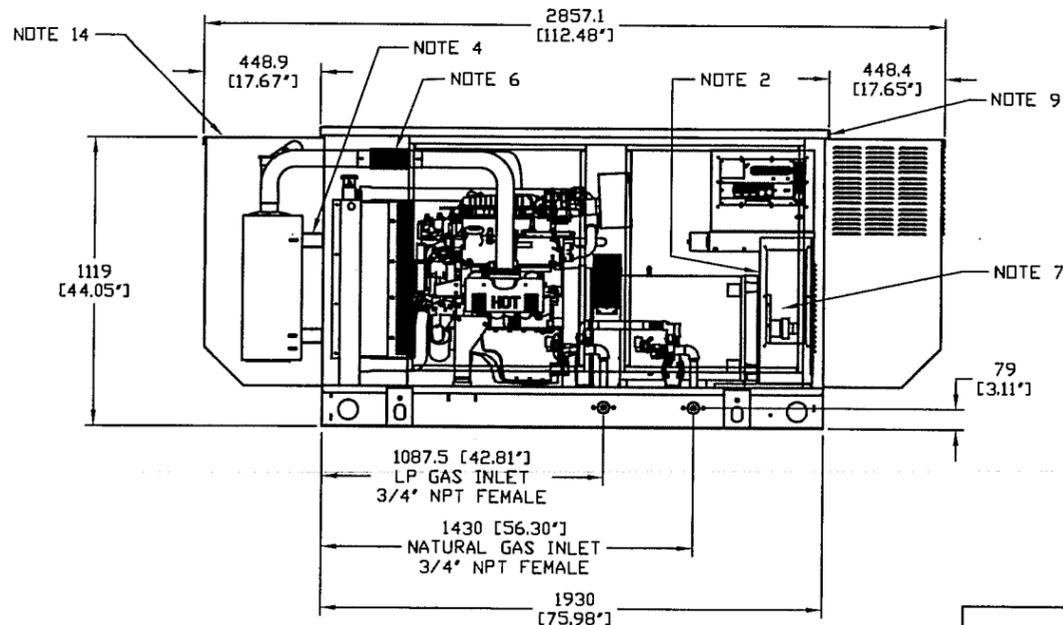
RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)	
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT) (LEFT)	A A'
ADDITIONAL STUB UP AREA FOR 120VAC GFCI OUTLET, (STANDARD BLOCK HEATER, BATTERY CHARGER, AND OTHER 120 VAC OPTIONS).	B

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

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

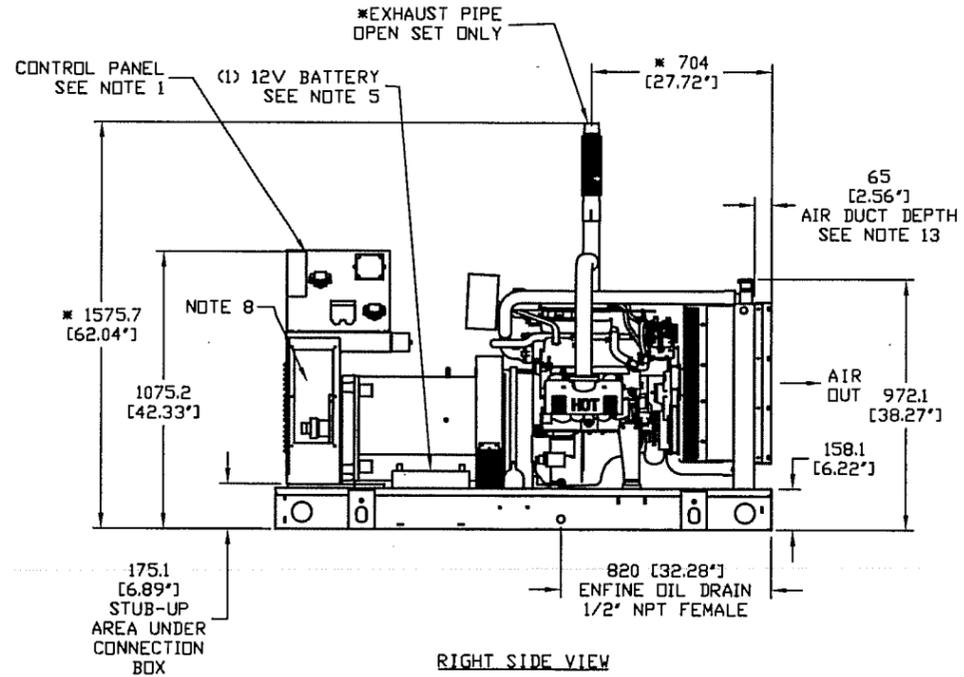
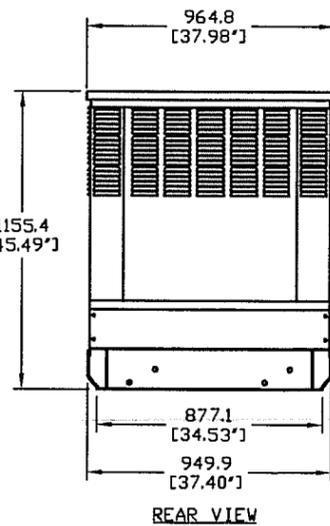
NOTES:

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

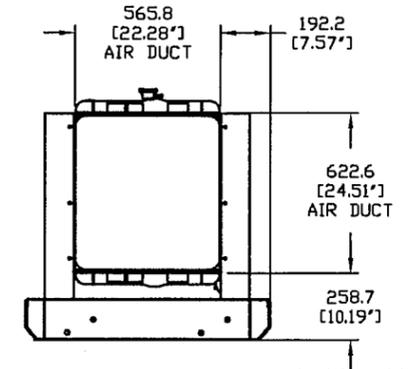


LEFT SIDE VIEW

APPLICABLE TO 4.5L G3 35, 40 & 45KW



RIGHT SIDE VIEW



RADIATOR END VIEW WITH AIR DUCT ADAPTER OPTION

GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS.

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SG 35, 40, 45 KW (UPSIZED 100 KW)

4.2L DIRECT DRIVE

ACOUSTIC ENCLOSURE

ISSUE DATE: 11/13/07

GENERAC POWER SYSTEMS
Waukesha
P.O. BOX 8
WAUKESHA, WIS. 53187

FILE NAME	0G7627-A.DWG	SIZE	B
SCALE	NTS	FIRST USE	4.2L G3
DWG NO.	0G7627	REV	A

INSTALLATION DRAWING

GENERAL NOTES:

- 1) 10' x 12' x 8" CONCRETE PAD W/ 8" FOOTER. 10' X 14' CANOPY, CONTRACTOR TO SUPPLY ALL CONCRETE/ CONCRETE STEEL REINFORCEMENT.
- 2) ERICSSON RBS 6101 OUTDOOR RADIO CABINET.
- 3) CHARLES INDUSTRIES CUBE 63922 MISC./ MICROWAVE ENCLOSURE.
- 4) 35 KW DIESEL GENERATOR WITH 211 GALLON BELLY TANK.
- 5) CONTRACTOR TO ADD 170 GALLONS OF DIESEL AND PAY FOR THIS FUEL.
- 6) GENERAC 200A 3R ILC TRANSFER SWITCH/PANELBOARD MOUNTED AT BC H-FRAME.
- 7) 10' H-FRAME W/ THREE 3 1/2 RIGID POSTS. CONTRACTOR SUPPLIES ALL H-FRAME MATERIALS.
- 8) H-FRAME TO HAVE (8) 10', 1 3/8" X 1 3/8" STRUT W/ 3/4" HOLES, 4 FACING INSIDE AND 4 OUT.
- 9) INSTALL 2 1/2" PVC CONDUIT FOR 200A POWER W/ 3 #3 AND 1 #2 FROM METER LOCATION TO ILC.
- 10) INSTALL 2 1/2" PVC CONDUIT FOR FUTURE FIBER FROM BC H-FRAME TO PROVIDER FIBER PEDISTAL/H-FRAME LOCATION. STUB-UP 3', INSTALL INNER DUCT AND CAP AT BC H-FRAME. LABEL "BLUEGRASS CELLULAR" AT PROVIDER END.
- 11) ALWAYS CONCRETE OVER CONDUIT RUNS WHERE EXPOSED TO VEHICULAR TRAFFIC.
- 12) GENERATOR WIRING-INSTALL 2" PVC CONDUIT FOR POWER. INSTALL 1" PVC CONDUIT FOR BATTERY CHARGER/BLOCK HEATER/ALARM WIRING. RUN BOTH CONDUITS TO ILC. ALARM WIRING MUST HAVE 600V RATED INSULATION TO MEET CODE RUNNING IN SAME CONDUIT AS 120V CIRCUIT. OTHERWISE, INSTALL A SEPERATE 1" ALARM CONDUIT. INSTALL THESE CONDUITS BENEATH PAD AND STUB UP INSIDE GENERATOR. INSTALL GENERATOR ALARM PANEL IN ILC AND MAKE CONNECTIONS.
- 13) ERICSSON RBS 6101 WIRING-INSTALL 1 1/2" PVC CONDUIT FOR POWER W/3 #6 AND 1 #10. INSTALL 1" PVC CONDUIT W/1 CAT6 FOR ALARMS. RUN BOTH CONDUITS TO ILC. INSTALL 2" PVC CONDUIT W/ JET-LINE TO CHARLES CABINET FOR ALARMS/MICROWAVE. EXACT RBS MAIN BREAKER REQUIREMENT TO BE DETERMINED. MY GUESS IS 40-60A @ 240VAC.
- 14) CHARLES CABINET-INSTALL 1 1/2" PVC CONDUIT W/ 3 #6 AND 1 #10 TO ILC ON 60A BREAKER. THIS STUB UP AT THE CHARLES CABINET IS EXTERNAL TO EXTERIOR MOUNTED SERVICE PANEL. STUB-UP THE 2" INSIDE CHARLES BATTERY COMPARTMENT. (SEE CHARLES SPECS FOR STUB UP AREA) INSTALL 2" PVC CONDUIT W/ INNER DUCT AND STUB-UP 3' ABOVE GRADE AND CAP OFF AT FUTURE HOFFMAN BOX LOCATION. INSTALL NETSURE 211 NGFB SPEC# 58213660006 DC PDWER SYSTEM RECTIFIER IN BOTTOM OF CABINET. CHARLES HAS PRE-WIRED TWIST-LOCK RECEPTACLES INSTALLED AND READY. 211 HAS MOLEX CONNECTORS AND PRE-MADE POWER CABLE FOR "PLUG AND PLAY" AC POWER CONNECTION. INSTALL BATTERIES IN THE CHARLES BATTERY BOX AND 211 HAS PRE-MADE CABLES FOR CONNECTION WITH FACTORY INSTALLED RING TERMINALS AT 211SIDE. CONTRACTOR WILL HAVE TO SUPPLY AND CRIMP BATTERY LUGS ON BATTERY END OF CABLES. BC WILL INSTALL AND CONNECT MICROWAVE RADIOS, ETC.
- 15) ALWAYS USE SCH80 CONDUIT WHERE ABOVE GRADE AND NOT ENCLOSED IN EQUIPMENT.
- 16) BE SURE TO TAKE PICTURES OF NECESSARY CONCRETE OVER CONDUITS WITH CLOSEOUT PICTURES.
- 17) ALL SITES WILL HAVE (2) LYNCOLE 10' XIT CHEMICAL GROUND RODS WITH 24" L's (PROVIDED BY BC)
- 18) INSTALL ONE XIT AT OPPOSITE CORNERS OF BC PAD. TIE IN ALL BC EQUIPMENT/POSTS W/#2 TINNED.
- 19) ALWAYS TIE BC INTO EXISTING TOWER/SITE RING AT (2) SEPERATE LOCATIDNS.
- 20) CONTRACTOR SUPPLIES ALL #2 TINNED GROUND RING WIRE. INSTALL ABOVE GROUND TAILS IN SEAL-TITE.
- 21) INSTALL #2 TINNED IN SEAL-TITE UP ICE BRIDGE POST (CLOSEST TO PAD) AND CONNECT TO CONTRACTOR INSTALLED GPS MOUNT. INSTALL GPS ANTENNA MOUNT ONLY AS HIGH AS NECESSARY FOR ANTENNA TO BE HIGHER THAN GRIP STRUT/SIGNAL OBSTRUCTION (THIS WILL KEEP THE BC TECH FROM OVER-EXTENDING TO CHANGE ANTENNA OUT). INSTALL GPS ANTENNA AND ROUTE CABLE INTO RBS CABINET. IF GPS CABLE IS NOT PRE-MADE, LEAVE 7' OF CABLE INSIDE RBS AND TERMINATE (BC SUPPLIES ALL GPS COMPONENTS).

- 22) ALL SITES WILL HAVE NECESSARY GROUND BARS SUPPLIED BY BC. INSTALL AT TOP, BOTTOM AND AT PAD AND CAD WELD (2) #2 LEADS FROM RING TO EACH BOTTOM BAR.
- 23) BC WILL SUPPLY REMOVABLE/REUSJABLE WEATHER SEAL BOOTS TO ENCAPSULATE THE HARDLINE CONNECTOR/POLYPHASER/JUMPER CONNECTOR. THESE BOOTS WILL REQUIRE A GROUND CONDUCTOR TO BE INSTALLED SO NOT TO COMPROMISE THE BOOT SEAL. CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE ENTIRE SYSTEM WHICH INCLUDES THE HARDLINE CONNECTOR, POLYPHASER AND GROUND, JUMPER AND BOOT. CONTRACTOR ALSO RESPONSIBLE FOR INSTALLING THE JUMPER INTO THE RBS 6101. CONTRACTOR IS DOING ALL THE ABOVE SO WHEN READY TO INSTALL HARDWARE CONNECTORS-ALL CONNECTIONS CAN BE COMPLETED, POLYPHASERS INSTALLED AND GROUNDED AND BOOT INSTALLED TO SEAL ALL CONNECTIONS AT THAT TIME.
- 24) ALL SITES WILL HAVE (6) 1 5/8" COAX AND (6) ANTENNAS. ALL L & A HARDWARE BY BC.
- 25) WAVEGUIDE LADDER AND SECTOR MOUNTS SUPPLIED BY BC.
- 26) CONTRACTOR SUPPLIES ALL ICE BRIDGE/TRAPEZE COMPONENTS.
- 27) CONTRACTOR SUPPLIES ALL CONDUITS, POWER/ALARM WIRING & BREAKERS INCLUDING MAIN BREAKER AT METER. ONLY THE CHARLES CABINET WILL HAVE ALL BREAKERS INSTALLED FROM FACTORY. THE ILC WILL HAVE BOTH 200A MAIN BREAKERS BUT NO BRANCH CIRCUIT BREAKERS.
- 28) LEAVE A JET-LINE PULL STRING IN ALL ALARM CONDUITS WITH CONTRACTOR INSTALLED ALARM CABLES.
- 29) CONTRACTOR SUPPLIES ALL MATERIALS FOR LIGHTING/SWITCH/RECEPTACLE. BC WILL SPEC DESIGN.
- 30) CONTRACTOR RESPONSIBLE FOR OBTAINING AND PAYING ALL PERMITS, INSPECTIONS, FEES ETC.
- 31) BC WILL APPLY FOR POWER AND PAY ANY SECURITY DEPOSITS REQUIRED BY UTILITY COMPANY.
- 32) CONTRACTOR RESPONSIBLE FOR SUBMITTING REQUIRED CLOSEOUTS TO TOWER OWNER AND TO BC.
- 33) CONTRACTOR RESPONSIBLE FOR ENSURING ALL SAFETY PROCEDURES/REQUIREMENTS ARE BEING PERFORMED/ENFORCED..
- 34) CONTRACTOR MUST NOT ACCEPT ANY PO FROM BLUEGRASS UNLESS COMPLETION DATE SPECIFIED IN THE 2013 SCHEDULE WILL BE MET. DATES WILL BE STATED ON THE INDIVIDUAL SITE BID NOTES.
- 35) ALL LINES WILL BE PIM/SWEEP TESTED BY BLUEGRASS AND CONTRACTOR RESPONSIBLE FOR PIM/SWEEP REPAIRS. BLUEGRASS WILL PROVIDE CORRECTIVE MATERIALS, CONTRACTORS TO SUPPLY LABOR.

GRADING & EXCAVATING NOTES:

- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 2) PREPARATION FOR FILL:
REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 3) BACK FILLING:
- EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
- SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
- SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.

- 4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.

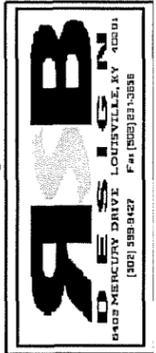
- * INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- * INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.
- * EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- * SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL . (CROWNED FORMATION)
- * GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)
- * GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- * GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.
- * GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- * ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- * GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-6315
- * T1 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE T1 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)
- * GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- * ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- * GC WILL BE RESPONSIBLE FOR PAYING NECESSARY FEES REQUIRED.
- * GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.

SYMBOLS LEGEND

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

"BEFORE YOU DIG"

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



NO.	DATE	REVISION

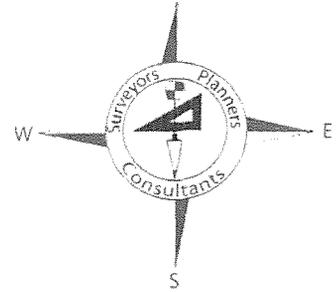
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
ALBANY CAPACITY 1
 3028 WISDOM DOCK RD. ALBANY, KY. 42602

DRAWN BY: R. BECKER
 ISSUE DATE: 1-30-14
 SCALE: LISTED

SHEET NUMBER
General Notes

Landmark Surveying Co., Inc.

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



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

Directions to the Site

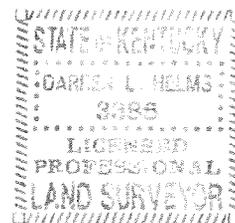
From the County Seat of Clinton County, Kentucky

Albany Capacity 1

From downtown Albany, Kentucky at the intersection of Business U.S. Highway 127 and Kentucky Highway 553 (Water Street in Albany): travel westerly on Kentucky Highway 553 (Wisdom Dock Road in Clinton County) 1.2 miles to the intersection of said highway with U.S. Highway 127; continue westerly on Kentucky Highway 553 (Wisdom Dock Road) 1.9 miles to Littles Road; turn right onto Littles Road (narrow paved lane) and travel northerly 0.15 miles to the tower access lane and a gate; turn right onto the access lane and travel easterly through a pasture for 600 feet to the tower site. The address of the site is 3028 Wisdom Dock Road, Albany, Kentucky 42602.

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

JAN. 24, 2014
Date



OPTION TO LEASE AND LEASE AGREEMENT

I.

OPTION TO LEASE REAL PROPERTY

THIS OPTION TO LEASE REAL PROPERTY (the "Option Agreement") is made and entered into this 3 day of January, 2014, by and between Nathan Groce, whose address is 1669 Speck Road, Albany, KY 42602 (the "Optionor (s)" and Cumberland Cellular Partnership (a Kentucky general Partnership) with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

WITNESSETH:

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

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

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

1. In consideration of **One Thousand Eight Hundred Dollars and Zero Cents (\$1,800.00)** paid by the Optionee to the Optionor(s) (the "Option Consideration"), the receipt of which is hereby acknowledged by the Optionor(s), the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time before 4:00 p.m. prevailing time on July 2, 2015, (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

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

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

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

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: 1669 Speck Road, Albany, KY 42602; the Optionee's address shall be: P.O Box 5012, Elizabethtown, KY 42702-5012. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Clinton County, Kentucky.

II.

LEASE AGREEMENT

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

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

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

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

17. This Option and Lease Agreement contains the entire agreement between the parties hereto and no modification or amendment shall be binding upon any party unless made in writing and signed by each of the parties hereto.
18. Upon the termination or other end of this Lease Agreement, Optionee shall have the right to remove any and all of its property (real or personal) from the Property regardless of whether or not such property may be considered a fixture thereto.
19. Upon abandonment of the property, Optionee shall have thirty (30) days to dismantle and remove the cellular antenna tower and any/all equipment located on Optionor's property.
20. Before Optionor(s)' interest in the Property or Lease, or any part thereof, whether separately or in connection with other property owned by the Optionor(s), is sold, assigned or transferred in any manner whatsoever (with or without consideration), the Optionee shall have a right of first refusal to acquire whatever interest in the Property or Lease that the Optionor(s) proposes to transfer (the "Proposed Transfer"), on the terms and conditions set forth in this Section 20 (the "Right of First Refusal").
 - (a) Optionor(s) shall deliver to the Optionee a written notice (the "Notice") stating (i) the name of the proposed purchaser or transferee and the material terms and conditions of the Proposed Transfer, together with a complete copy of any written offer made to the Optionor(s) to acquire any interest in the Property ("Offer").
 - (b) At any time within thirty (30) days after receipt of the Notice, the

Optionee may, by giving written notice to the Optionor (s) (“Optionee’s Notice”), elect to exercise its Right of First Refusal and acquire the interest in the Property or Lease proposed to be transferred pursuant to the Proposed Transfer at the purchase price and on the same terms and conditions as are contained in the Offer. If the Offer includes consideration other than cash, the cash equivalent value of the non-cash consideration shall be determined by the Optionee in good faith. In the event, Optionee exercises its right to acquire the interest in the Property or Lease, the Optioner(s) shall convey, assign and/or transfer said interest to Optionee free and clear of all liens and encumbrances whatsoever (other than this Lease, which Lease shall remain in effect). All taxes, rents and other assessments applicable to the transferred interest, if any, shall be prorated to the date of closing. The Closing shall occur within thirty (30) days from the date of Optionee’s Notice.

- (c) If the Optionee declines to exercise its Right of First Refusal to acquire the interest in the Property or Lease proposed to be transferred, the Optioner(s) may sell or transfer same in accordance with the terms of the Offer subject, however, to this Lease and the Optionee’s rights thereunder.

[Remainder of Page Intentionally Left Blank]

EXECUTION OF AGREEMENT(S)

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

Print Name: Nathan Grove
Sign: Nathan Grove
Date: 12-9-13

("Optionor(s"))
Property Owner(s)

Cumberland Cellular Partnership

Sign: 
Date: 1-3-14

("Optionee")
By: Scott W. McCloud
Authorized Representative

STATE OF KENTUCKY
 COUNTY OF CLINTON

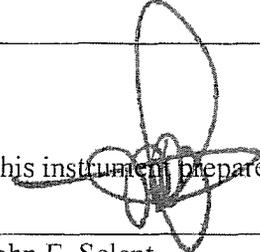
The foregoing instrument was acknowledged before me this 9TH day of DECEMBER, 2013, by ~~Shirley A. Brown~~ Nathan Brown to be his/her free act and deed.

Shirley A. Brown
 NOTARY PUBLIC STATE AT LARGE
 My commission expires: 11-29-10

STATE OF KENTUCKY
 COUNTY OF HARDIN

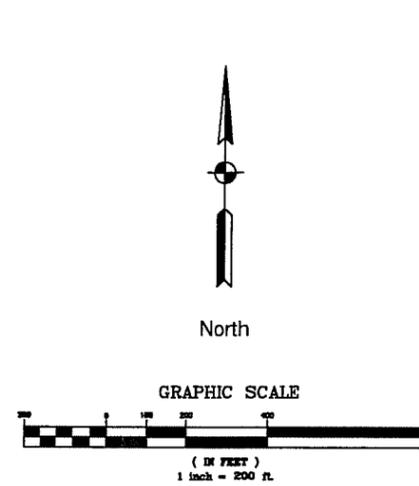
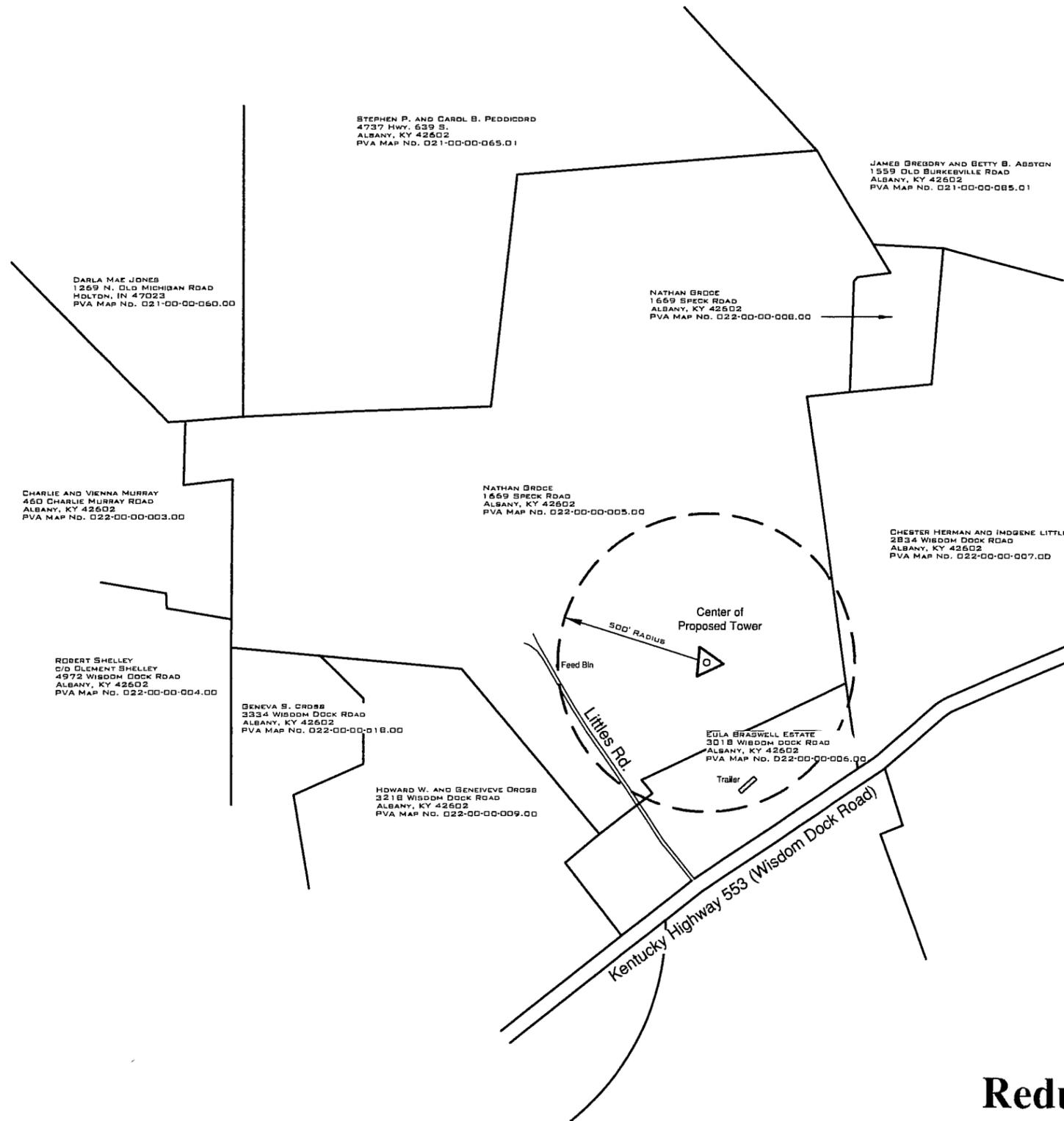
The foregoing instrument was acknowledged before me this 3 day of JANUARY, 2014, by **Scott W. McCloud**, as Authorized Representative on behalf of **Cumberland Cellular General Partnership**, to be his free act and deed.

W. S. G.
 NOTARY PUBLIC STATE AT LARGE
 My commission expires: 11-11-15


 This instrument prepared by:

 John E. Selent
DINSMORE & SHOHL LLP
 101 South 5th Street, Suite 2500
 Louisville, KY 40202
 (502) 540-2300

SITE: ALBANY CAPACITY 1
500-Foot Radius Map for Structures and Landowners
Clinton County, Kentucky



Note

THE LOCATION OF THE BOUNDARIES SHOWN ARE APPROXIMATE, AND THEY ARE BASED UPON AERIAL PHOTOGRAPHS AND INFORMATION ON FILE IN THE OFFICE OF THE PROPERTY VALUATION ADMINISTRATOR OF CLINTON COUNTY, KENTUCKY.

Surveyor's Certification

I HEREBY CERTIFY THAT THE INFORMATION SHOWN IS CORRECT TO THE BEST OF MY KNOWLEDGE; AND IT IS IN ACCORDANCE WITH THE RECORDS FOUND IN THE OFFICE OF THE PROPERTY VALUATION ADMINISTRATOR OF CLINTON COUNTY, KENTUCKY ON JANUARY 15, 2014.

Darren L. Helms
 DARREN L. HELMS, P.L.S. 3386
 DATE 01-24-2014

STATE OF KENTUCKY
 Darren L. Helms
 3386
 LICENSED PROFESSIONAL LAND SURVEYOR

Reduced Copy

LANDMARK SURVEYING CO., INC.
 15 N.E. 3RD STREET
 WASHINGTON, INDIANA 47501
 (812) 257-0950
 Email: lsname@lscoglobal.net
 Project No. 13-11-0164
 © 2014



500-Foot Radius Map
 3028 Wisdom Dock Road
 Albany, Kentucky 42602

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, KY 42701

REVISIONS	DATE

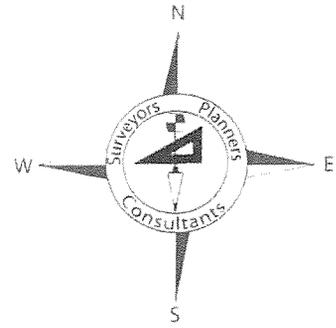
DATE 01-24-14	DRAWN BY A. Walker	CHECKED BY D.L. Helms
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SHEET No.
 1
 of 1 SHEETS

FILE NAME
 albanyc1-radius.dwg

Landmark Surveying Co., Inc.

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



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

Landowner and Adjacent Landowner List

Albany Capacity 1

Eula Braswell Estate
3018 Wisdom Dock Road
Albany, KY 42602

Chester Herman and Imogene Little
2834 Wisdom Dock Road
Albany, KY 42602

James Gregory and Betty B. Abston
1559 Old Burkesville Road
Albany, KY 42602

Stephen P. and Carol B. Peddicord
4737 Hwy. 639 S.
Albany, KY 42602

Darla Mae Jones
1269 N. Old Michigan Road
Holton, IN 47023

Charlie and Vienna Murray
460 Charlie Murray Road
Albany, KY 42602

Robert Shelley
c/o Clement Shelley
4972 Wisdom Dock Road
Albany, KY 42602

Geneva S. Cross
3334 Wisdom Dock Road
Albany, KY 42602

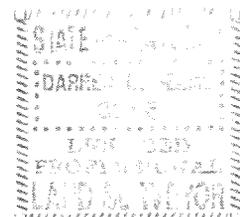
Howard W. and Genevieve Cross
3218 Wisdom Dock Road
Albany, KY 42602

Nathan Groce
1669 Speck Road
Albany, KY 42602

Darren L. Helms

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

JAN 24, 2014
Date



February 20, 2014

Geneva S. Cross
3334 Wisdom Dock Road
Albany, Kentucky 42602

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 20 years.

Cumberland Cellular Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 240 foot self-supporting tower and an equipment shelter to be located at 3028 Wisdom Dock Road, Albany, Clinton County, Kentucky, 42602. 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 2014-00026 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 <i>Robert E. Thrasher</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Geneva S. Cross 3334 Wisdom Dock Rd. Albany, KY 42602</i>	B. Received by (Printed Name) C. Date of Delivery <i>2/24/14</i>
2. Article Number (Transfer from service label) <i>7012 2210 0001 6006 0510</i>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No
DS Form 3811 February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
Domestic Return Receipt	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
102595-02-M-1540	

January 29, 2014

Eula Braswell Estate
3018 Wisdom Dock Road
Albany, Kentucky 42602

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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. 	<p>A. Signature <input checked="" type="checkbox"/> <i>John W. Gregory</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery <i>BR 2/3/14</i></p>
<p>1. Article Addressed to: <i>Eula Braswell Estate 3018 Wisdom Dock Rd. Albany, KY 42602</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7012 2210 0001 6006 0534</i></p>

January 29, 2014

Chester Herman and Imogene Little
2834 Wisdom Dock Road
Albany, Kentucky 42602

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<p>1. Article Addressed to: <i>Chester Herman & Imogene Little 2834 Wisdom Dock Rd. Albany, KY 42602</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7012 2210 0001 6006 0459</i></p>

January 29, 2014

James Gregory and Betty B. Abston
1559 Old Burkesville Road
Albany, Kentucky 42602

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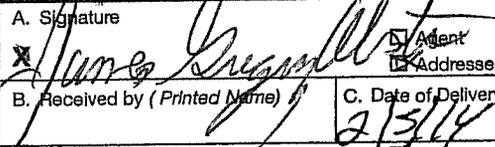
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<p>1. Article Addressed to: James Gregory & Betty B. Abston 1559 Old Burkesville Rd Albany, KY 42602</p>	<p>D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p> <hr/> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7012 2210 0001 6006 0466</p>

January 29, 2014

Stephen P. and Carol B. Peddicord
4737 Highway 639 South
Albany, Kentucky 42602

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Please refer to Case Number 2014-00026 in your correspondence.

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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 <i>[Signature]</i> <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name)</p> <p>C. Date of Delivery <i>2/15/14</i></p>
<p>1. Article Addressed to: <i>Stephen P. & Carol B. Peddicord 4737 Hwy 639 South Albany, KY 42602</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input checked="" type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7012 2210 0001 6006 0473</i></p>

January 29, 2014

Darla Mae Jones
1269 North Old Michigan Road
Holton, Indiana 47023

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 20 years.

Cumberland Cellular Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 240 foot self-supporting tower and an equipment shelter to be located at 3028 Wisdom Dock Road, Albany, Clinton County, Kentucky, 42602. 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 2014-00026 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <i>Randy Jones</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>RANDY JONES</i> C. Date of Delivery <i>2-3-14</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>
<p>1. Article Addressed to: <i>Darla Mae Jones 1269 North Old Michigan Rd. Holton, IN 47023</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7012 2210 0001 6006 0480</i></p>

January 29, 2014

Charlie and Vienna Murray
460 Charlie Murray Road
Albany, Kentucky 42602

Public Notice

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

Please refer to Case Number 2014-00026 in your correspondence.

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<p>1. Article Addressed to:</p> <p><i>Charlie + Vienna Murray 460 Charlie Murray Rd. Albany, KY 42602</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7012 2210 0001 6006 0497</p>

January 29, 2014

Robert Shelley
c/o Clement Shelley
4972 Wisdom Dock Road
Albany, Kentucky 42602

Public Notice

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

Please refer to Case Number 2014-00026 in your correspondence.

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<p>1. Article Addressed to: <i>Robert Shelley c/o Clement Shelley 4972 Wisdom Dock Rd. Albany, KY 42602</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7012 2210 0001 6006 0503</p>

January 29, 2014

Howard W. and Geneiveve Cross
3218 Wisdom Dock Road
Albany, Kentucky 42602

Public Notice

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

Please refer to Case Number 2014-00026 in your correspondence.

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<p>1. Article Addressed to: Howard W. & Geneiveve Cross 3218 Wisdom Dock Rd. Albany, KY 42602</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7012 2210 0001 6006 0541</p>

January 29, 2014

Nathan Groce
1669 Speck Road
Albany, Kentucky 42602

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 20 years.

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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 2014-00026 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>Nathan Groce</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Nathan Groce 1669 SPECK RD. Albany, Kentucky 42602</i>	B. Received by (Printed Name) C. Date of Delivery <i>DR 2/7/14</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
	7012 2210 0001 6006 0992

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

January 30, 2014

Via Certified Mail

Honorable Lyle K. Huff
Clinton County Judge Executive
100 South Cross Street
Albany, Kentucky 42602

Re: *Application of Cumberland Cellular Partnership d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a new cellular facility to be located at 3028 Wisdom Dock Road, Albany, Clinton County, Kentucky, 42602, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2014-00026*

Your Honor:

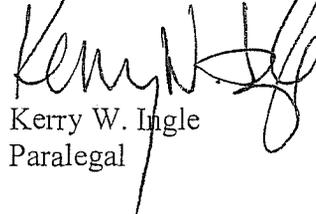
Cumberland Cellular Partnership is applying to the Public Service Commission of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 240 foot self-supporting tower and an equipment shelter to be located at 3028 Wisdom Dock Road, Albany, Clinton County, Kentucky, 42602. 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 No. 2014-00026 in your correspondence.

Very Truly Yours,

DINSMORE & SHOHL LLP



Kerry W. Ingle
Paralegal

enclosure

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Hon. Lyle K. Huff
 Clinton County Judge Executive
 1005. Cross Street
 Albany, KY 42602

2. Article Number
(Transfer from service label)

7012 2210 0001 6006 0527

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Leta Flowers*

- Agent
- Addressee

B. Received by (Printed Name)

Leta Flowers

C. Date of Delivery

- 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

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

**Cumberland Cellular
Partnership
P. O. Box 5812
2982 Ring Road
Elizabethtown, KY 42701**

**Executive Director,
The Public Service Commission
210 Sewer Boulevard
P. O. Box 875
Frankfort, KY 40602**

**Please refer to P.S.C.
Case #2014-00026
in your correspondence.**

PUBLIC NOTICE

**Cumberland Cellular Partnership
proposes to
construct a cellular
communications**

TOWER

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

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

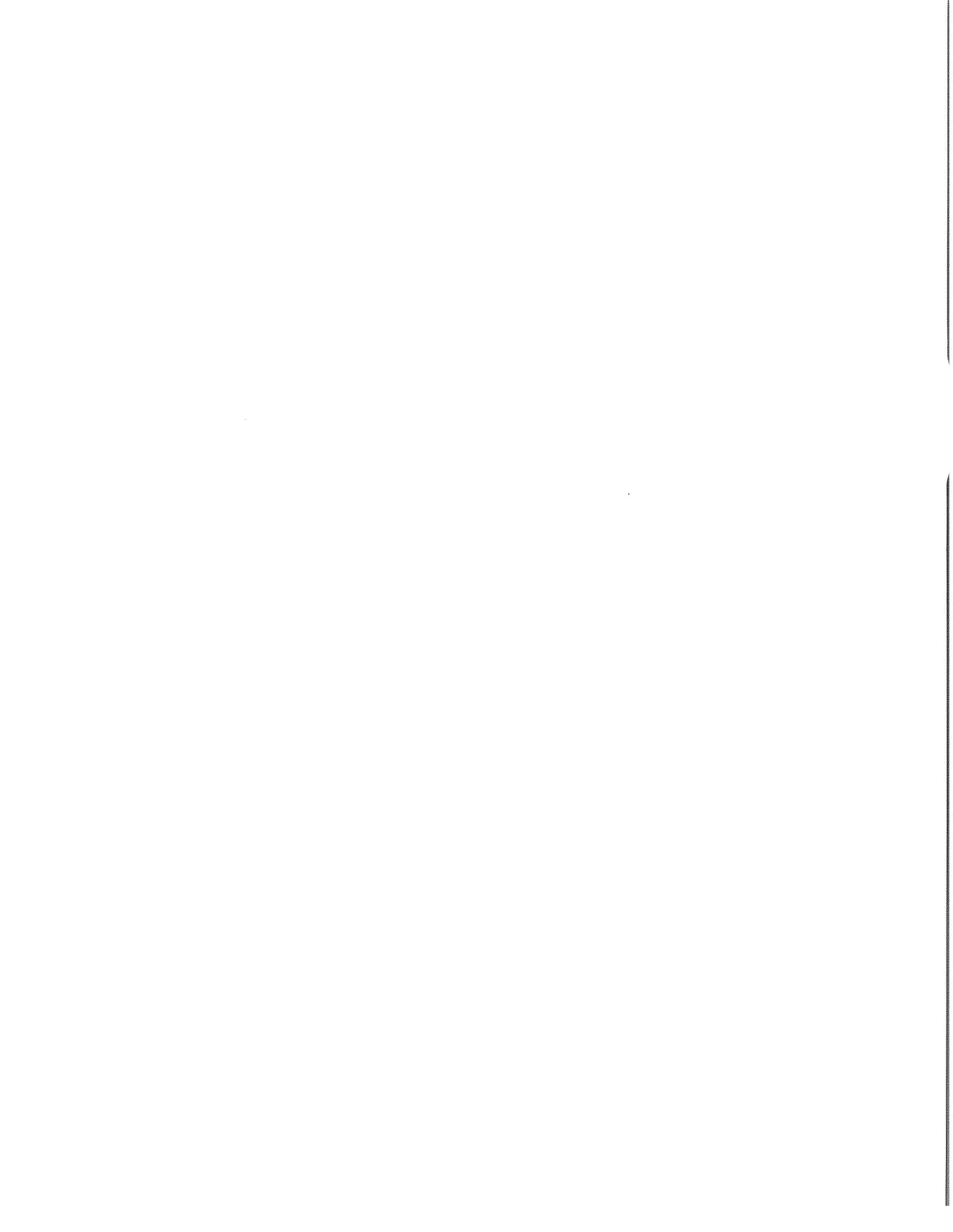
**Executive Director,
The Public Service Commission
211 Sower Boulevard
P.O. Box 815
Frankfort, NY 40602**

Please refer to P.S.C.

Case #2014-00026

in your correspondence.





Clinton County News

P.O. Box 360 • 116 North Washington Street
Albany, Kentucky 42602-0360

Published Since 1949 By
Gibson Printing Co., Inc.

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gpcompany@kih.net / www.clintonnews.net

The News . . . It's All About You!

AFFIDAVIT OF PUBLICATION

I, Janie U. Gibson, Advertising Manager for the Clinton County News, a newspaper published in Albany, Clinton County, Kentucky, do hereby affirm that an advertisement placed by Dinsmore for the Cumberland Cellular Partnership, dealing with the proposed installation of a telecommunications tower at 3028 Wisdom Dock Road, Albany, Clinton County, Kentucky, was published in the February 6 and February 14, 2014 issues of the Clinton County News.



Janie U. Gibson
Advertising Manager
Clinton County News

I, Alan B. Gibson, a Notary Public, State at Large, Kentucky, do hereby affirm that the above named person did personally appear before me on this 17th day of February, 2014, affixing her signature to this document in my presence and stating that the above facts were true to the best of her knowledge.



Alan B. Gibson
Notary Public
State at Large, Kentucky

My Commission Expires 09/27/16
ID# 475560
Certificate # 286976

at Venda E. Brown was appointed by February 4, 2014 as Executrix of the deceased. Any and all persons having to, said estate are required to present ified according to law, to the office of ourt, Albany, Kentucky and to Venda Road, Albany, Kentucky 42602 or to t Law, P.O. Box 68, Albany, Kentucky m the above date. 17-3c

Legal notice

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P-
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c
Cumberland Cellular Partner- ship is applying to the Public Ser- vice Commission of Kentucky for a certificate of Public Con- venience and Necessity to construct and operate a new cellular fac- ility to provide cellular telephone service. This facility will include a 240 foot self-supporting tower and an equipment shelter to be located at 3028 Wisdom Dock Road, Albany, Kentucky 42602. Your comments and requests for intervention should be ad- dressed to: Executive Director's Office, Public Service Commis- sion, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602 Please refer to Case No. 2014-00026 in your correspondence. 17-2c

IN MEMORY



In Loving Memory of
Lindsey Lee Stewart

Feb. 14, 1986 - Dec. 12, 2003
Forever in our hearts.

In Memory of
Gary Lovelace
2/17/57 - 9/11/06
Gone but not forgotten.
Love, your wife



In Loving Memory of
Dennis Campbell

February 14 was our anniver- sary. Loving memories of Dennis still linger in my heart today.
Wife, Anita Campbell

PECIALS!...
ENTS' DAY
LE
M IN STOCK!
DURING THEIR CELEBRATION FOR 2014!
RS DAY
M!

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Unlimited Talk & Text Only \$29.99 Month
No Contracts • Available For Basic Or Smart Phones
401 Tennessee Road • Albany, KY
606-387-4999

In Memory of
Kenny W. Garrett
7-9-1973 ~ 2-7-2010


Legal notice

Notice is hereby given that Venda E. Brown was appointed by the Clinton District Court on February 4, 2014 as Executrix of the Estate of Kenneth P. Brown, deceased. Any and all persons having claims against, or owing sums to, said estate are required to present same, properly proven and verified according to law, to the office of the Clerk, Clinton District Court, Albany, Kentucky and to Venda E. Brown, 1086 Martin Cross Road, Albany, Kentucky 42602 or to Hon. Gary A. Little, Attorney at Law, P.O. Box 68, Albany, Kentucky 42602, with six (6) months from the above date. 17-3c

Legal 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 cellular facility to provide cellular telephone service. This facility will include a 240 foot self-supporting tower and an equipment shelter to be located at 3028 Wisdom Dock Road, Albany, Kentucky 42602. 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. 2014-00026 in your correspondence. 17-2c



Nathan Groce
Agent



Lakes and Land Realty

112 Cumberland Street, Albany, KY 42602
Mobile: 931.397.8808
Office: 606.387.0020
Fax: 606.387.0029
nathan@countrylakesandland.com
www.countrylakesandland.com
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Find Your Freedom

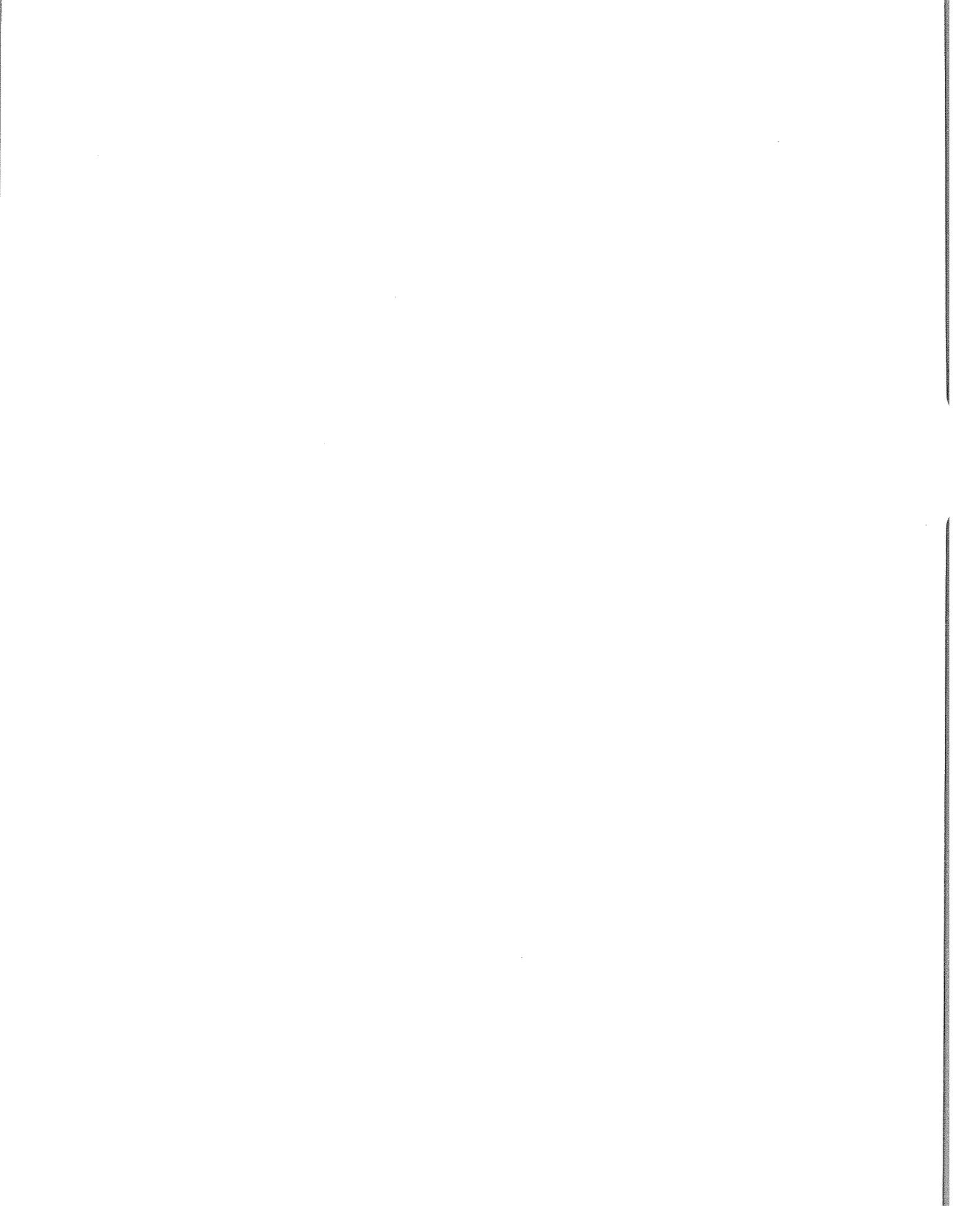
Car Wrecks
Personal Injury
Family Law

Bankruptcy
Criminal Defense
Social Security Disability



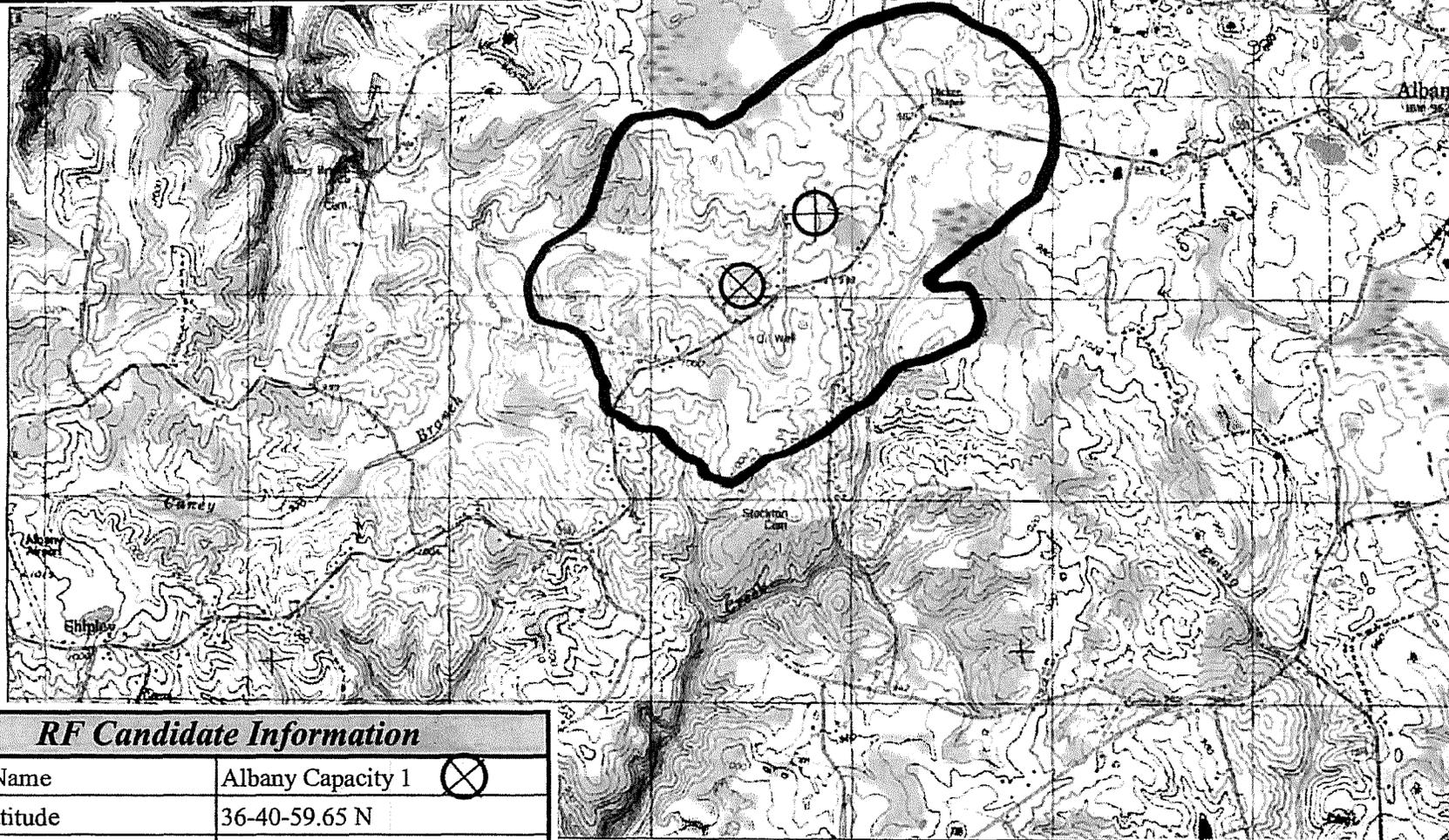
Legal notice

Notice is hereby given that Gwendoline Jones, 357 Wendell Jones Road, Albany, Kentucky 42602, has been appointed as Executrix of the Estate of Mildred Jones, deceased, and any and all persons having claims against said estate shall present them properly proven and verified according to law, to the said Executrix at the address shown, or to Hon. David R. Choate, legal counsel for the estate, 216 E. Cumberland Street, Albany, Kentucky 42602, and to all persons owing debts to said estate shall also accordingly present them to said Executrix or to said Attorney, all to be presented not later than the 14th day of July, 2014.



Search Area Map

Site Name	Albany Capacity 1	⊕
N. Latitude	36-41-12.0 N	
W. Longitude	85-10-40.0	
Ground Elevation	1001' (AMSL)	
Ant. Rad. Center Ht.	240' (AGL)	
7.5 Min Map	Albany, KY Quadrangle	



RF Candidate Information

Site Name	Albany Capacity 1	⊙
N. Latitude	36-40-59.65 N	
W. Longitude	85-10-55.24 W	
Ground Elevation	991' (AMSL)	
Ant. Rad. Center Ht.	240' (AGL)	
7.5 Min Map	Albany, KY Quadrangle	

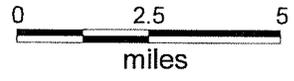
— Clinton County Boundary

 Wireless Tower Locations Registered with the FCC

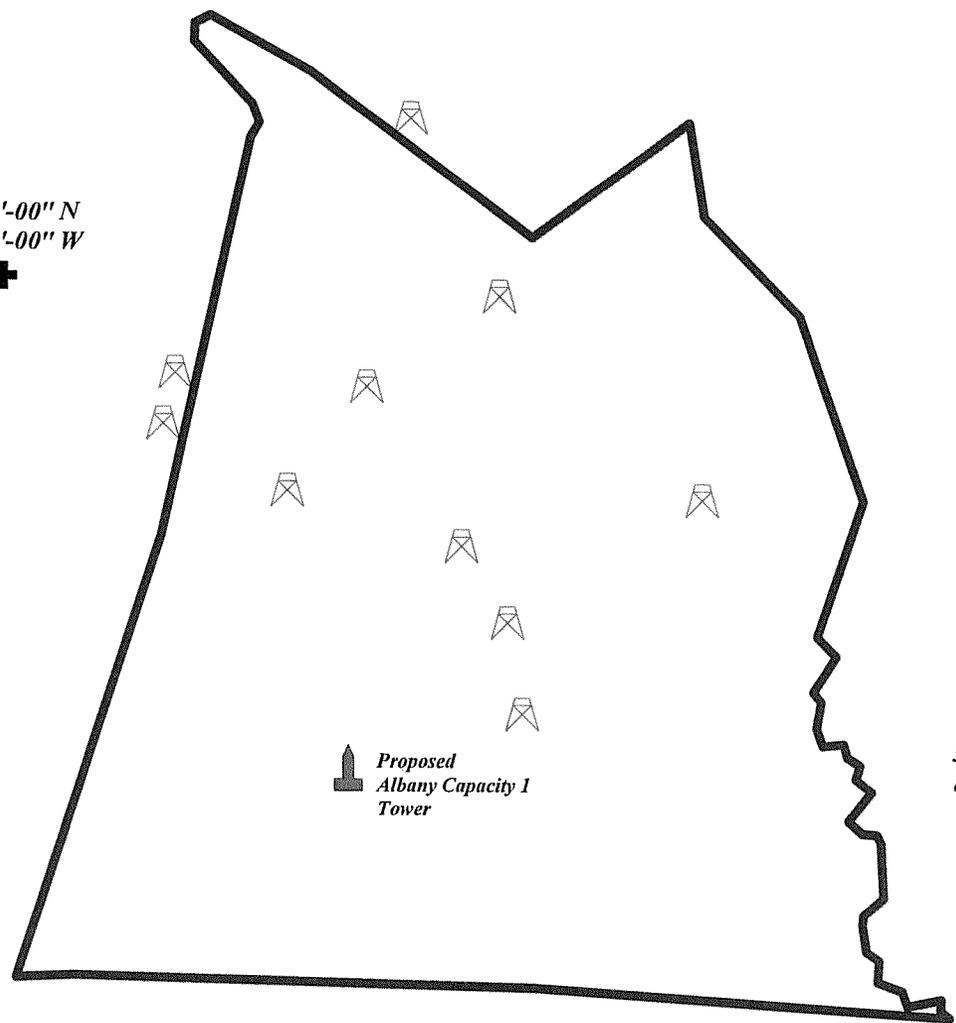
 Proposed Tower Location

 Tick Mark

Prepared By: LNSG Engineering 1/29/2014



36°-49'-00" N
85°-18'-00" W

 *Proposed
Albany Capacity 1
Tower*


36°-42'-00" N
84°-57'-00" W

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

FCC ASR No.	N. Lat.	W. Long.	City, State	Tower Owner
1044802	36-47-26	85-14-28	Burkesville, KY	KY EMERGENCY WARNING SYSTEM KEWS
1063507	36-48-41	85-7-47	Albany, KY	Global Tower, LLC
1239784	36-43-21.4	85-7-37.2	Albany, KY	Cumberland Cellular Partnership
1258265	36-44-36.2	85-8-34.1	Albany, KY	Shared Sites Acquisition LLC
1258266	36-45-21.5	85-3-35.7	Albany, KY	Shared Sites Acquisition LLC
1258453	36-45-30.5	85-12-9.6	Albany, KY	Cumberland Cellular Partnership
1258928	36-46-35.6	85-14-42.7	Burkesville, KY	Shared Sites Acquisition LLC
1261117	36-51-35.7	85-9-37.1	Jamestown, KY	SBA Towers III LLC
1265526	36-47-12.	85-10-31.1	Albany, KY	South Kentucky Rural Electric Cooperative Corporation
1273817	36-41-51.7	85-7-19.1	Albany, KY	American Towers, LLC.