

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

MAR 18 2011

PUBLIC SERVICE
COMMISSION

In the Matter of:

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

CASE NO. 2011-00011

**APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY (MARION WEST)**

Kentucky RSA #4 Cellular General Partnership (“Kentucky RSA #4”), through counsel, pursuant to KRS 278.020 and 278.040 and 807 KAR 5:063, hereby submits this application for a certificate of public convenience and necessity to construct and operate a new 240 foot cell tower facility to provide cellular telephone service to be known as the Marion West cell site in and for rural service area (“RSA”) #4 of the Commonwealth of Kentucky, namely the counties of Anderson, Green, Hardin, Larue, Marion, Mercer, Nelson, Spencer, Taylor and Washington, Kentucky. The proposed cell tower facility will be located at 883 Howardstown Road, Raywick, Kentucky, 40060.

1. Pursuant to the FCC Order, Docket No. 08-165, dated November 18, 2009, ¶ 32, pp. 11 & 12, the Commission has 150 days to process this application for a certificate of public convenience and necessity to construct a cell tower facility. If the Commission fails to act upon this application within 150 days, then Kentucky RSA #4 may seek redress with the U.S. District Court for the Eastern District of Kentucky.¹

¹In the Matter of: Petition for Declaratory Ruling to Clarify Provisions of Section 332(c)(7)(B) to Ensure Timely Siting Review and to Preempt Under Section 253 State and Local Ordinances that Classify all Wireless Siting Proposals as Requiring a Variance, FCC Order, Docket No. 08-165, November 18, 2009, pp 11 and 12. (“Specifically, we find that a “reasonable period of time” is, presumptively 90 days to process personal wireless service facility siting applications requesting collocations, and, also presumptively, 150 days to process all other applications. Accordingly, if State or local governments do not act upon applications within those timeframes, then a “failure to act” has occurred and personal wireless

2. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Kentucky RSA #4 states that it is a Kentucky general partnership whose full name and post office address are: Kentucky RSA #4 Cellular General Partnership, 2902 Ring Road, Elizabethtown, Kentucky, 42701.

3. Pursuant to 807 KAR 5:063 § 1 (1)(b), a copy of the applicant's applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit "A." Written authorizations from these agencies will be supplied to the Commission upon their approval.

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

5. 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."

6. 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."

7. Pursuant to 807 KAR 5:063 §1(1)(g), experienced personnel will manage and operate the Marion West cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Kentucky RSA #4, of which system the Marion West cell site will be a part. Bluegrass Cellular Inc. provides management services to Kentucky RSA #4 under a management contract, just as it does with three (3) other wireless carriers in the Commonwealth. And, Bluegrass Cellular Inc. has been providing these management services to these other wireless carriers for well over a decade. This extensive management experience with

service providers may seek redress in a court of competent jurisdiction within 30 days, as provided in Section 332(c)(7)(B)(v).") See also Order Denying Motion for Reconsideration, issued August 4, 2010.

Bluegrass Cellular demonstrates Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

8. Pursuant to 807 KAR 5:063 §1(1)(g), World Tower Company, Inc. is responsible for the design specifications of the proposed tower (identified in Exhibit “B”).

9. 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.”

10. 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.”

11. 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.”

12. 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.”

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

14. Pursuant to KRS 278.665(2), applicant’s legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the

property where the proposed cellular antenna tower will be located has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his right to request intervention.

15. 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.”

16. Pursuant to 807 KAR 5:063 § 1 (1)(n), applicant’s legal counsel hereby affirms that the Marion 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.

17. Pursuant to 807 KAR 5:063 §1(1)(o), a copy of the notice sent to the Marion County Judge Executive is Exhibit “G.”

18. 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.

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

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

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that “***Kentucky RSA #4 Cellular General Partnership proposes to construct a telecommunications tower near this site,***” including the addresses 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.”

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

21. Pursuant to 807 KAR 5:063 § 1(1)(r), the cell site, which has been selected, is in a relatively undeveloped, rural area in Raywick, Kentucky. Existing land uses are characterized as agricultural.

22. Pursuant to 807 KAR 5:063 §1(1)(s), Kentucky RSA #4 has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate. Kentucky RSA #4 has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

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

24. 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."

25. No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Kentucky RSA #4 and which would provide adequate service to the area exists.

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

John E. Selent
Holly C. Wallace
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, KY 40202
(502) 540-2300
john.selent@dinslaw.com
holly.wallace@dinslaw.com

WHEREFORE, Kentucky RSA #4 Cellular General Cellular Partnership requests the Commission to enter an order:

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

Respectfully submitted,



John E. Selent
Holly C. Wallace
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, KY 40202
(502) 540-2300
john.selent@dinslaw.com
holly.wallace@dinslaw.com



Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 90 Airport Rd, Bldg 400, Frankfort, KY 40601

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

INSTRUCTIONS INCLUDED

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

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

9. Latitude: 37 ° 33 ' 38 "

10. Longitude: 85 ° 26 ' 53 "

11. Datum: NAD83 NAD27 Other _____

12. Nearest Kentucky City: Raywick County Marion

13. Nearest Kentucky Public Use or Military Airport:
Lebanon-Springfield Airport

14. Distance from #13 to Structure: 12.4 Miles

15. Direction from #13 to Structure: WSW

16. Site Elevation (AMSL): 591.00 Feet

17. Total Structure Height (AGL): 255.00 Feet

18. Overall Height (#16 + #17) (AMSL): 846.00 Feet

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

20. Description of Location: (Attach USGS 7.5 minute Quadrangle Map or an Airport Layout Drawing with the precise site marked and any certified survey.)

Site is located at:
883 Howardstown Road
Raywick, KY 40060

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

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

3. Application for: New Construction Alteration Existing

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

5. Work Schedule: Start 03/01/11 End 03/10/11

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

7. Marking/Painting and/or Lighting Preferred:

- Red Lights & Paint
- Dual - Red & Medium Intensity White
- White - Medium Intensity
- Dual - Red & High Intensity White
- White - High Intensity
- Other _____

8. FAA Aeronautical Study Number: 2011-ASO-439-OE

21. Description of Proposal:

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

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?

No Yes, When January 21, 2011

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

Leila Rezanavaz / Senior Consulting Engineer
Printed Name & Title

Leila Rezanavaz
Signature

01/21/11
Date

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

Commission Action:

Chairperson, KAZC Administrator, KAZC

Approved

Disapproved

Date: _____



Federal Aviation Administration

<< OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Project Name: BLUEG-000165569-11

Sponsor: Bluegrass Cellular, Inc.

Details for Case : Marion West

Show Project Summary

Case Status

ASN: 2011-ASO-439-OE
 Status: Accepted

Date Accepted: 01/21/2011
 Date Determined:
 Letters: None
 Documents: 01/21/2011 2C Survey pdf

Construction / Alteration Information

Notice Of: Construction
 Duration: Permanent
 if Temporary : Months: Days:
 Work Schedule - Start: 03/01/2011
 Work Schedule - End: 03/10/2011
 State Filing: Filed with State

Structure Summary

Structure Type: Antenna Tower
 Structure Name: Marion West
 NOTAM Number:
 FCC Number:
 Prior ASN:

Structure Details

Latitude: 37° 33' 38.67" N
 Longitude: 85° 26' 53.21" W
 Horizontal Datum: NAD83
 Site Elevation (SE): 591 (nearest foot)
 Structure Height (AGL): 255 (nearest foot)
 * If the entered AGL is a proposed change to an existing structure's height include the current AGL in the Description of Proposal.

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

Requested Marking/Lighting: Dual-red and medium intensity

Other :

Recommended Marking/Lighting:

Current Marking/Lighting: N/A New Structure

Other :

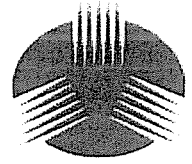
Nearest City: Raywick
 Nearest State: Kentucky

Specific Frequencies

Description of Location: On the Project Summary page upload any certified survey.

Site is located at:
 883 Howardstown Road
 Raywick, KY 40060

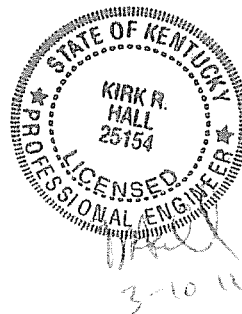
Description of Proposal: Proposed self-supporting tower with top-mounted antennas for overall height of 255' AGL.



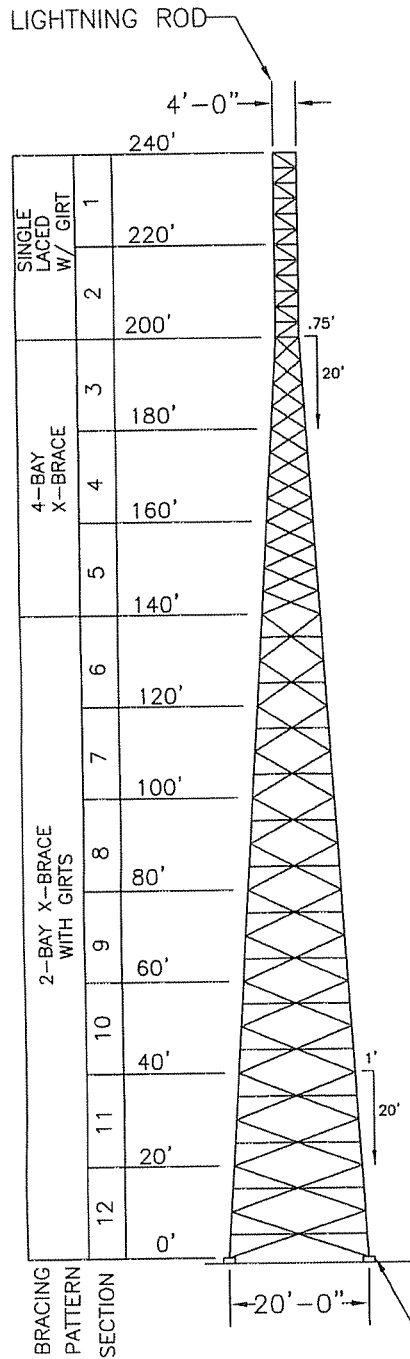
World Tower
COMPANY, INC

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: MARION WEST
MARION COUNTY, KY
DESIGN PACKAGE

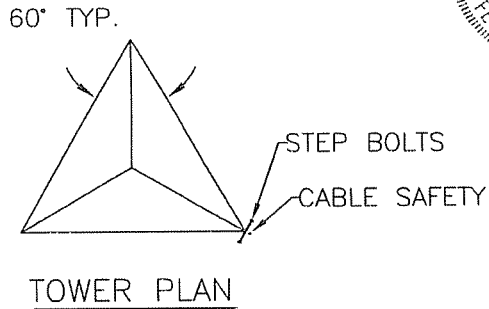


Fabrication, Installation, and Maintenance of TV, AM, FM, & Wireless Communications Towers



TOWER ELEVATION

ANCHOR BOLTS WITH EMBEDDED PL.



BASE REACTIONS	
OTM:	6390.0 FT. KIPS
COMP.	395.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	50.0 KIPS
WT. NO ICE	79.0 KIPS
WT. 3/4" ICE	188.0 KIPS

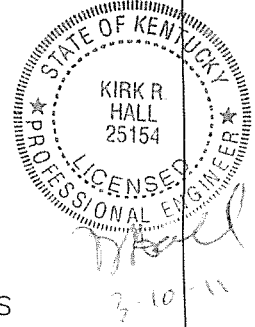
GENERAL NOTES

1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOAD AND MEET THE PROVISIONS OF TIA-222-G FOR A 90 MPH BASIC WIND SPEED WITH NO ICE. TOWER IS ALSO DESIGN FOR A 30 MPH BASIC WIND SPEED WITH 3/4" ICE. STRUCTURE CLASS II, EXP. CAT. C AND TOPO. CAT. 1.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
3. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
4. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
5. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
6. ALL STRUCTURAL BOLTS ARE ASTM A325.
7. TOWER IS DESIGNED FOR ALL LINES TO BE MOUNTED ACCORDING TO DRAWING Q11203WG.
8. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA/EIA-222-G EVERY 5 YEARS.
9. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.
10. STEP BOLTS PROVIDED ON ONE LEG FROM 60' TO 240' AND 3 LEGS FROM 0' TO 60'.
11. CABLE SAFETY 0'-240'.

WORLD TOWER

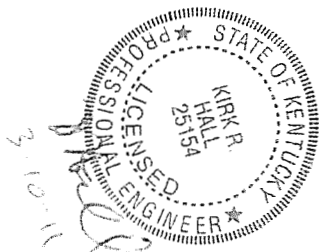
TITLE:
 240' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE : MARION WEST
 MARION COUNTY, KY

SCALE	NONE	DWN.	LKB	CHKD.	DATE	3-9-11
FILE	DWG. NO. Q11203					

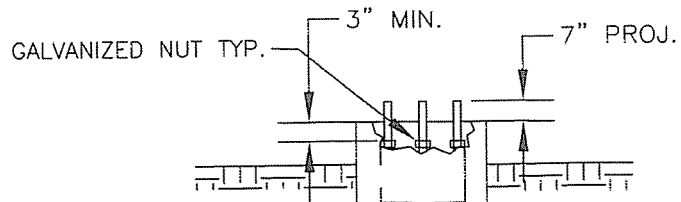


SECTION NO.	LEGS	DIAGONALS	GIRTS	SPLICE BOLTS	DIAG BOLTS	GIRT BOLTS
1	1 1/2	1	1	4- 3/4"	WELDED CONSTRUCTION	
2	2	1 1/8	1	↓		
3	2 1/2	2 X 1/8	2 X 1/8	4-1"	5/8	5/8
4	2 3/4	2 X 1/8	N/A	↓		N/A
5	3	2 X 3/16	↓	↓		↓
6	3 1/4	2 1/2 X 3/16	2 X 1/8	6-1"		5/8
7	3 1/2	3 X 3/16	2 X 3/16	↓		↓
8	3 1/2	3 X 3/16	2 1/2 X 3/16	↓	3/4	3/4
9	3 3/4	3 X 1/4	2 1/2 X 3/16	6-1 1/4"		
10	3 3/4	3 X 1/4	3 X 3/16	↓		
11	4	3 1/2 X 1/4	3 X 3/16	↓		
12	4	3 1/2 X 1/4	3 X 3/16	6-1 1/4" ANCHOR BOLTS		

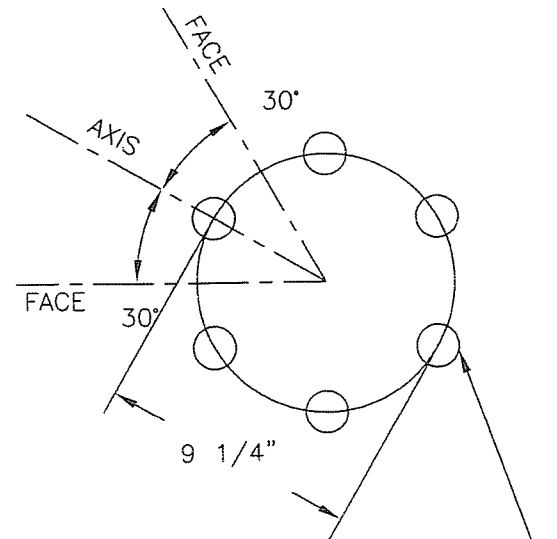
ANTENNA LOADING		
ELEV.	DESCRIPTION	LINE
240'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
220'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
200'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
180'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
160'	(6) ANTEL RWB 80014/120 ON WD13X53 MOUNT	6- 1 5/8"
140'	6' GRID DISH	1- 1 5/8"



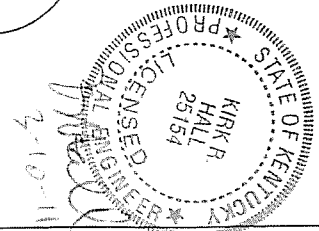
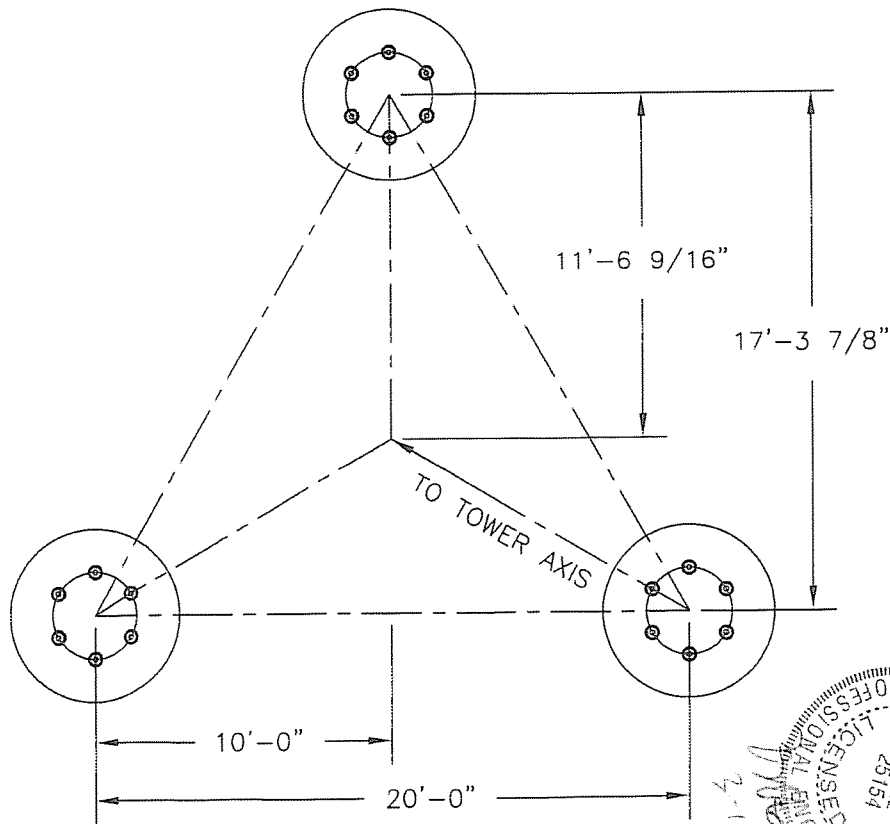
WORLD TOWER			
TITLE: 240' MODEL WSST TOWER FOR: BLUEGRASS CELLULAR SITE : MARION WEST MARION COUNTY, KY			
SCALE NONE	DWN.	LKB	CKD.
FILE	DATE 3-9-11		
DWG. NO.		Q11203T	



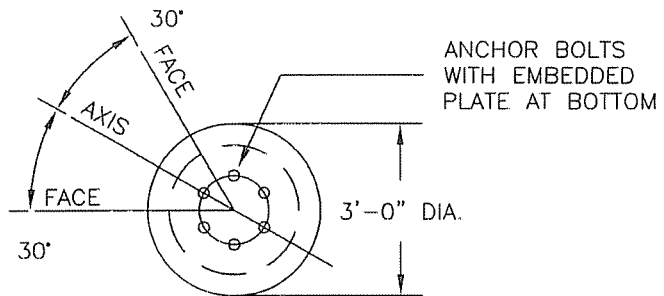
PIER ELEVATION



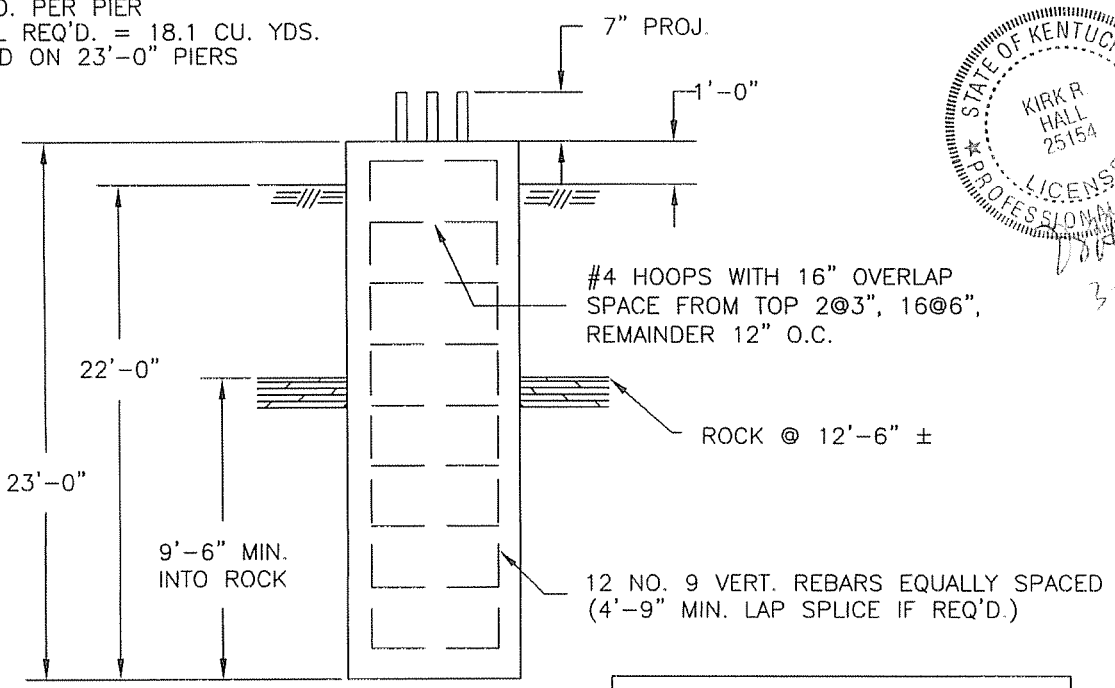
ANCHOR BOLTS 6 (18 TOTAL)
 1 1/4"Ø X 72" ASTM A354 GR. BC
 EQUALLY SPACED ON A 9 1/4"
 DIA. BOLT CIRCLE WITH TOP TEMPLATE
 AND EMBEDDED PLATE



WORLD TOWER			
TITLE: ANCHOR BOLT LAYOUT 240' MODEL WSST TOWER FOR: BLUEGRASS CELLULAR SITE : MARION WEST MARION COUNTY, KY			
SCALE NONE	DWN. LKB	CKD.	DATE 3-9-11
FILE	DWG. NO. Q11203AB		



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



STATE OF KENTUCKY
KIRK R. HALL
25154
LICENSED PROFESSIONAL ENGINEER
3-10-11

BASE REACTIONS	
OTM:	6390.0 FT. KIPS
COMP.	395.0 KIPS
UPLIFT	330.0 KIPS
SHEAR (3 LEGS)	50.0 KIPS
WT. NO ICE	79.0 KIPS
WT. 3/4" ICE	188.0 KIPS

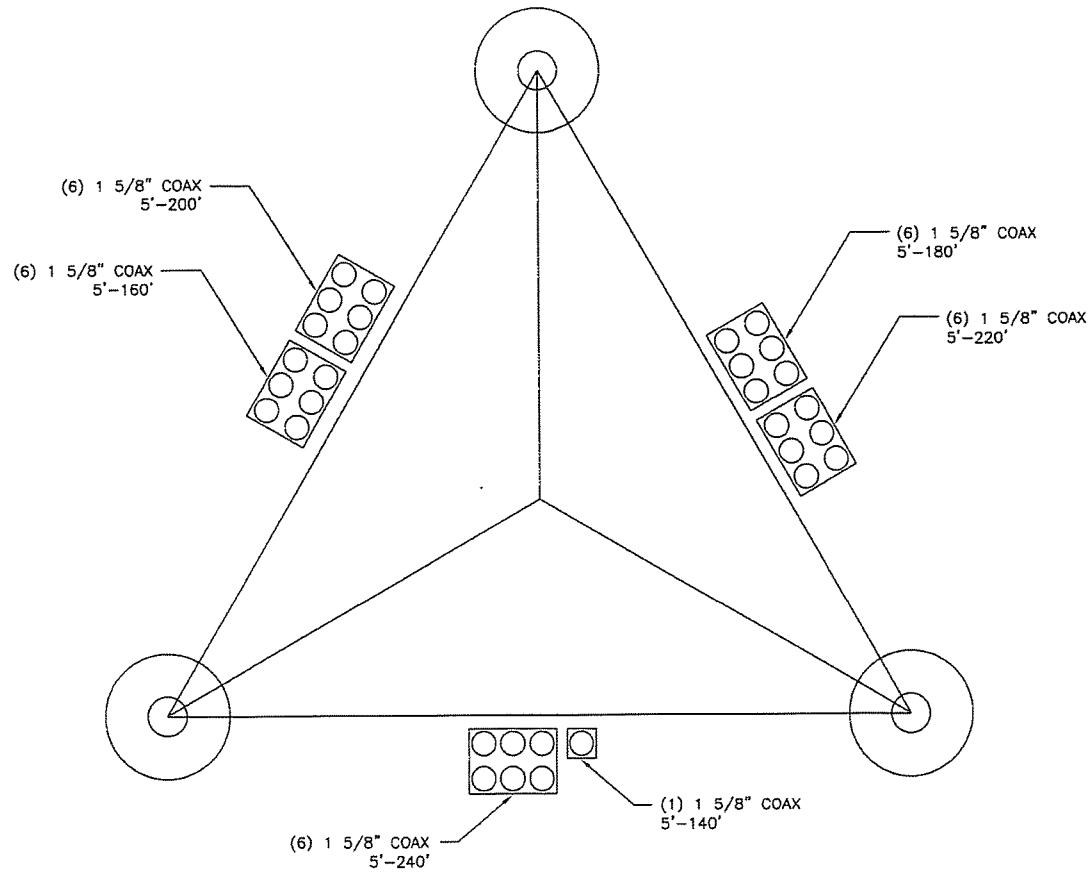
GENERAL NOTES

1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM TERRACON PROJECT NO. 57105040 DATED DECEMBER 2, 2010.

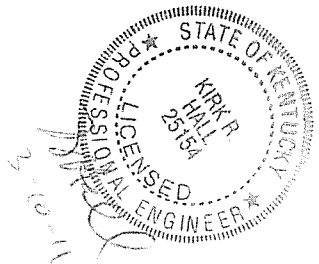
TITLE: FOUNDATION DETAIL
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE : MARION WEST
MARION COUNTY, KY

WORLD TOWER

SCALE	NONE	DWN.	LKB	CKD.	DATE	3-9-11
FILE				DWG. NO.	Q11203F	



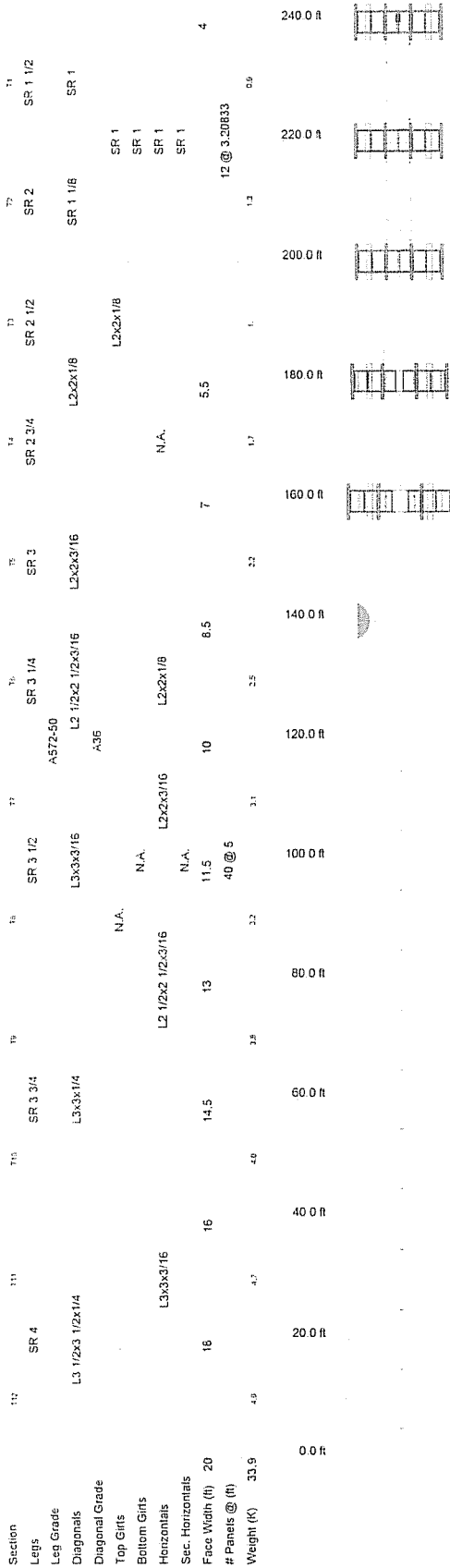
PLAN VIEW



WORLD TOWER

TITLE: WAVEGUIDE LOCATION
 240' MODEL WSST TOWER
 FOR: BLUEGRASS CELLULAR
 SITE : MARION WEST
 MARION COUNTY, KY

SCALE NONE	DWN. LKB	CKD.	DATE 3-9-11
FILE	DWG. NO.		Q11203WG



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Flash Beacon Lighting	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	200
WD13X53 Antenna Mounting Frame (w/ 75)*	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	200
WD13X53 Antenna Mounting Frame (w/ 75)*	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	200
WD13X53 Antenna Mounting Frame (w/ 75)*	240	WD13X53 Antenna Mounting Frame (w/ 75)*	180
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	240	WD13X53 Antenna Mounting Frame (w/ 75)*	180
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	240	WD13X53 Antenna Mounting Frame (w/ 75)*	180
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	240	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	180
WD13X53 Antenna Mounting Frame (w/ 75)*	220	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	180
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	220	WD13X53 Antenna Mounting Frame (w/ 75)*	160
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	220	WD13X53 Antenna Mounting Frame (w/ 75)*	160
(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	220	WD13X53 Antenna Mounting Frame (w/ 75)*	160
WD13X53 Antenna Mounting Frame (w/ 75)*	200	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	160
WD13X53 Antenna Mounting Frame (w/ 75)*	200	(2) Antel RWB 80014/120 w/ mnt pipe(Panel 96 5"x11.2"x5 9")*	160
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	6 Grid Dish	140

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

- 1 Tower is located in Marion 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 Tower is designed for feedlines distributed on 3 tower faces with a maximum of 6 lines exposed to the wind on any one face
- 9 Weak link in diagonals from 140' to 120'
- 10 TOWER RATING: 95.5%

ALL REACTIONS ARE FACTORED

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

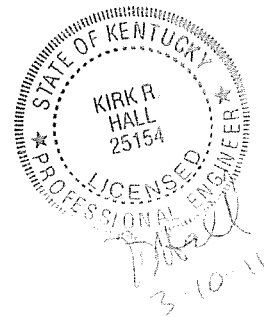
AXIAL
 188 K

SHEAR 6 K MOMENT 83.4 kip-ft

TORQUE 1 kip-ft
 30 00 mph WIND - 0.75 in ICE
 AXIAL 79 K

SHEAR 50 K MOMENT 6390 kip-ft

TORQUE 3 kip-ft
 REACTIONS - 90 00 mph WIND



World Tower Company		Job: 240' Standard WSST Job Q11-203	
1213 Compressor Drive		Project: Marion West, Kentucky	
Mayfield, Kentucky 42066		Client: Bluegrass Cellular	Drawn by: Kirk Hall App'd:
Phone: (270) 247-3642		Code: TIA-222-G	Date: 03/09/11 Scale: NTS
FAX: (270) 247-0909		Path: C:\Tower\PE Run\2011011-203 marion west bluegrass\Q11-203.cr	Dwg No: E-1

Geotechnical Engineering Report

Proposed 240' Self-Supporting Tower

Marion West

Raywick, Marion County, Kentucky

December 2, 2010

Project No. 57105040

Prepared for:
Kentucky RSA #4 Cellular General Partnership
A Kentucky general 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

December 2, 2010



Kentucky RSA #4 Cellular General Partnership
A Kentucky General Partnership d/b/a Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42702

Attention: Mr. Doug Updegraff

Regarding: Geotechnical Engineering Report
Proposed 240' Self Supporting Tower
Site Name: Marion West
Raywick, Marion County, Kentucky
Terracon Project No.: 57105040


Dear Mr. Updegraff:

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

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

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

Sincerely,
Terracon Consultants, Inc.



Matthew R. Haines, E.I.
Staff Engineer

Reviewed by: Timothy G. LaGrow, P.E. – Senior Principal



Nathan H. Bryan, Jr.,
Geotechnical Department Manager
Kentucky PE#-27232



Terracon Consultants, Inc. 4545 Bishop Lane, Suite 101 Louisville, KY 40218
P [502] 456 1256 F [502] 456 1278 terracon.com

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

**GEOTECHNICAL ENGINEERING REPORT
 PROPOSED 240' SELF-SUPPORTING TOWER
 MARION WEST
 RAYWICK, MARION COUNTY, KENTUCKY
 Terracon Project No. 57105040
 December 2, 2010**

1.0 PROJECT INFORMATION

1.1 Project Description

ITEM	DESCRIPTION
Site layout	See Appendix, Figure 1, Boring Location Diagram
Site dimensions	About 100 feet by 100 feet
Tower	Self-Supporting 240 feet tall
Maximum loads	Vertical: 600 kips (assumed) Shear: 80 kips (assumed) Uplift: 500 kip-ft (assumed)
Maximum allowable settlement	1-inch (assumed)
Equipment Building: Maximum loads	Column: 25 kips (assumed) Wall: 1.5 kips/ft (assumed)
Equipment Building: Maximum allowable settlement	Total Settlement: 1-inch (assumed) Differential Settlement: 3/4 inch over 40 feet (assumed)
Grading	Less than 2 feet of cut and fill expected

1.2 Site Location and Description

ITEM	DESCRIPTION
Location	The project site is located at 883 Howardstown Road, Raywick, Marion County, Kentucky 40060 near Latitude: 37.56186, Longitude: -85.44781
Existing improvements	Undeveloped grass pasture
Current ground cover	Grass and weeds
Existing topography	Relatively level to gently sloping

The above presentation of pertinent project information is based on our understanding of the plans and information provided to Terracon Consultants, Inc. (Terracon). If this project information is not consistent with the development plans for the site, please inform us of any discrepancies or change in plans.

2.0 SUBSURFACE CONDITIONS

2.1 Geology

FORMATION ¹	DESCRIPTION
New Providence Shale	This formation consists of clay shale which is medium gray, weathers light greenish gray. This formation also contains some interbeds of siltstone and silty shale, with rare thin lenses of weathered crinoidal limestone.

1. Based on the *Geologic Map of Raywick quadrangle, Central Kentucky*, published by the Kentucky Geological Survey (1969).

2.2 Typical Profile

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

Description	Approximate Depth to Bottom of Stratum (feet)	Material Encountered	Consistency/Density
Surface	¾	Topsoil	N/A
Stratum 1	12½	Silt, trace Clay	Stiff to Hard ¹
Stratum 2	22½	Siltstone	Recovery = 100% RQD = 80 and 85%

1. The native silty clay is considered stiff to hard based on measured SPT N-values ranging from 16 to 100+ blows per foot (bpf).

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

2.3 Groundwater

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

3.0 RECOMMENDATIONS FOR DESIGN AND CONSTRUCTION

3.1 Geotechnical Considerations

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

3.2 Foundation Recommendations

3.2.1 Drilled Pier Foundation System

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

Approximate Depth (feet) ¹	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Cohesion (psf)	Internal Angle of Friction (Degrees)	Strain ϵ_{50}	Lateral Subgrade Modulus (pci)
0 – 3	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
Silt 3 – 12½	425	Ignore	1500	1500	--	0.006	125
Siltstone 12½ – 22½	2,500 ²	20,000	5,000 ²	50,000 ²	--	0.00001	3000

1. Pier observation is recommended to adjust pier length if variable soil/rock conditions are encountered. A total unit weight of 110 and 160 pcf can be assumed for the silt and siltstone, respectively.
2. The pier should be embedded a minimum of 3 feet into competent siltstone to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have a factor of safety of about 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on our boring, published values and our past experience with similar soil and rock types. These values should, therefore, be considered approximate. To mobilize the higher rock strength parameters, the piers should be socketed at least 3 feet into bedrock. Furthermore, it is assumed that the rock socket is developed using coring rather than blasting techniques. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. If the drilled piers are designed using the above parameters and bear within the siltstone, settlements are not anticipated to exceed ½ inch.

Geotechnical Engineering Report

240-Foot Self-Supporting Tower ■ Raywick, Marion County, Kentucky
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The upper 3 feet of topsoil and silt should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in uplift and lateral resistance caused by variable bedrock depths and bedrock quality, it is recommended that a minimum pier length and minimum competent rock socket length be stated on the design drawings. Competent rock was encountered in our boring below a depth of about 12½ feet, but could vary between tower legs, if the tower is moved from the location of our boring, or if significant grade changes occur at the site. If the tower center is moved more than 25 feet, our office should be notified to review our recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavations.

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

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

3.2.2 Shallow Mat Foundation System

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

DESCRIPTION	VALUE
Foundation subgrade ¹	Suitable natural soil or engineered granular fill extending to suitable natural soil
Net allowable bearing pressure ²	2,500 psf
Allowable passive pressure ³	1,250 psf
Coefficient of sliding friction ³	0.35
Vertical Modulus of Subgrade Reaction (pci)	100
Minimum embedment below finished grade for frost protection	18 inches
Approximate total settlement ⁴	1 inch

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

Continued from previous page

3. The sides of the excavation for the spread footing foundation must be nearly vertical and the concrete should be placed neat against these vertical faces for the passive earth pressure values to be valid. If the loaded side is sloped or benched, and then backfilled, the allowable passive pressure will be significantly reduced. Passive resistance in the upper 3 feet of the soil profile should be neglected. Lateral resistance due to friction at the base of the footing should be ignored where uplift also occurs.
4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footing, the thickness of compacted fill, and the quality of the earthwork operations.

Uplift forces can be resisted by the dead weight of the footing and the effective weight of any soil above the footing. A unit weight of soil not exceeding 110 pcf is appropriate for the on-site soils backfilled above the foundation, assuming that it is compacted to at least 95 percent of standard Proctor maximum dry density (ASTM D-698). A unit weight of 150 pcf could be used for reinforced footing concrete. The ground surface should be sloped away from the foundation to avoid ponding of water and saturation of the backfill materials.

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

3.2.3 Equipment Building/Cabinet Foundations

DESCRIPTION	VALUE
Foundation subgrade ¹	Suitable stable natural soil or low volume change engineered fill
Net allowable bearing pressure ²	2,500 psf
Minimum footing sizes Isolated: Wall :	2 feet by 2 feet 16 inches wide
Coefficient of sliding friction	0.35
Minimum embedment below finished grade for frost protection ³	18 inches
Approximate total settlement ⁴	1 inch

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

Continued from previous page

3. For perimeter footing and footings beneath unheated areas.
4. The foundation settlement will depend upon the variations within the subsurface soil profile, the structural loading conditions, the embedment depth of the footings, the thickness of any compacted fill, and the quality of the earthwork operations.

3.3 Earthwork

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

Fill Type ¹	USCS Classification	Acceptable Location for Placement ¹
Silty clay, Lean clay	CL-ML (LL<50 & PI<22)	Beneath equipment building and access road all elevations
Well graded granular material	GW, SW, SM, and SC ²	All locations and elevations
On-site soils (Silt, trace clay)	ML ³	Generally not recommended due to moisture sensitivity. However, can be considered beneath equipment building and access road, preferably at least 1 foot below finish grade.

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. If on-site silt is used as fill, difficulties should be expected to achieve compaction. Stringent moisture control techniques will have to be utilized to achieve compaction due to moisture sensitive nature.

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 2% above or 1% below optimum moisture content as determined by the standard Proctor test at the time of placement

1. We recommend that engineered fill be tested for moisture content and compaction during placement. Should the results of the in-place density tests indicate the specified moisture or compaction limits have not been met, the area represented by the test should be reworked and retested as required until the specified moisture and compaction requirements are achieved.

Continued from previous page

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 recompact.

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

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

4.0 GENERAL COMMENTS

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

The analysis and recommendations presented in this report are based upon the data obtained from the boring performed at the indicated location and from other information discussed in this

Geotechnical Engineering Report

240-Foot Self-Supporting Tower ■ Raywick, Marion County, Kentucky
December 2, 2010 ■ Terracon Project No. 57105040



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

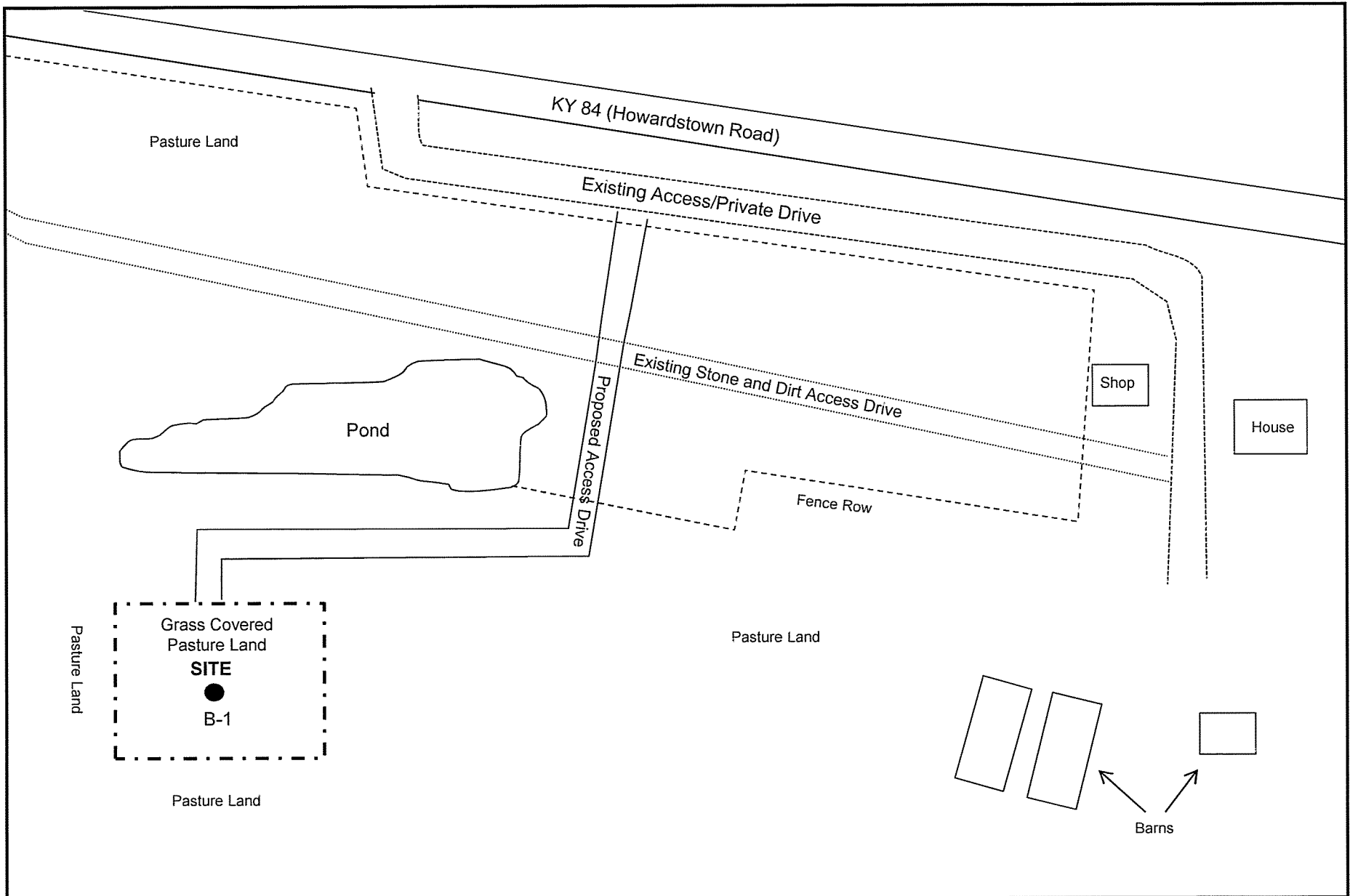


Figure 1
BORING LOCATION PLAN
SCALE: NTS



Bluegrass Cellular
Marion West
Raywick, KY
PROJECT NO. 57105040

LOG OF BORING NO. B-1

CLIENT **Kentucky RSA #4 Cellular General Partnership**

SITE **883 Howardstown Rd
Raywick, Kentucky** PROJECT **240' Self-Supporting Tower
Marion West Site**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES				TESTS		
				NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 600 ft									
0.8	9" TOPSOIL	599								
	SILT , mottled gray brown, stiff to hard, moist, with trace clay		ML	1	SS	18	16	17		4000*
			ML	2	SS	18	32	18		6000*
	with rock fragments at 6 feet		ML	3	SS	18	32	13		4000*
			ML	4	SS	4	50/3"			
12.5	Auger refusal at 12.5 feet, began coring	587.5		R-1	DB	100%	RQD 80%		160	1235 psi
	SILTSTONE , slightly to moderately weathered, gray, moderately hard, very thin to medium bedded			R-2	DB	100%	RQD 85%		160	1835 psi
22.5	Coring terminated at 22.5 feet	577.5								

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

WATER LEVEL OBSERVATIONS, ft			
WL	∇ N/E	WD	∇ N/E AB
WL	∇		∇
WL			



BORING STARTED	11-15-10
BORING COMPLETED	11-15-10
RIG	ATV 550
FOREMAN	MW
APPROVED	NB
JOB #	57105040

BOREHOLE 99 57105040 BORING LOGS.GPJ TERRACON.GDT 11/24/10

Geotechnical Engineering Report

240-Foot Self-Supporting Tower ■ Raywick, Marion County, Kentucky
December 2, 2010 ■ Terracon Project No. 57105040



Field Exploration Description

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

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

Auger refusal was encountered at a depth of about 12½ feet. Below this depth, the boring was advanced into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) were determined.

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

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

Geotechnical Engineering Report

240-Foot Self-Supporting Tower ■ Raywick, Marion County, Kentucky
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A field log of the boring was prepared by the drill crew. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the field log and include modifications based on laboratory observation and tests of the samples.

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

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

Laboratory Testing

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

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

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

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

WATER LEVEL MEASUREMENT SYMBOLS:

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

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

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

CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 - 1,000	2-4	Soft
1,001 - 2,000	5-8	Medium Stiff
2,001 - 4,000	9-15	Stiff
4,001 - 8,000	16-30	Very Stiff
8,000+	31+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Relative Density</u>
0 - 4	Very Loose
5 - 10	Loose
11 - 30	Medium Dense
31 - 50	Dense
51+	Very Dense

RELATIVE PROPORTIONS OF SAND AND GRAVEL

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

GRAIN SIZE TERMINOLOGY

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

RELATIVE PROPORTIONS OF FINES

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

PLASTICITY DESCRIPTION

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

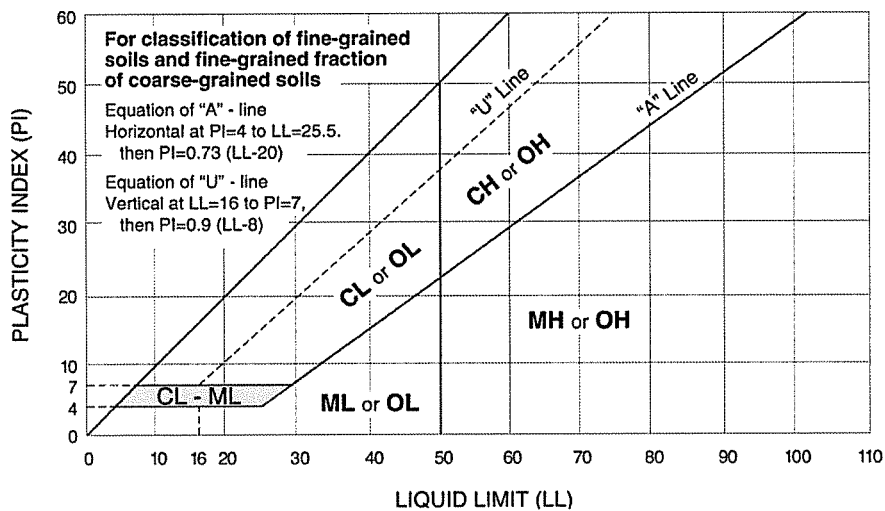
Terracon

UNIFIED SOIL CLASSIFICATION SYSTEM

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

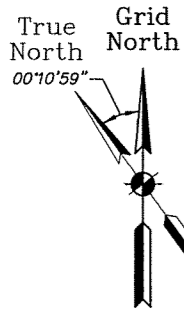
a. RQD (given as a percentage) = length of core in pieces 4 in. and longer/length of run.

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: Marion West

Lease Boundary and Topographic Survey

Marion County, Kentucky



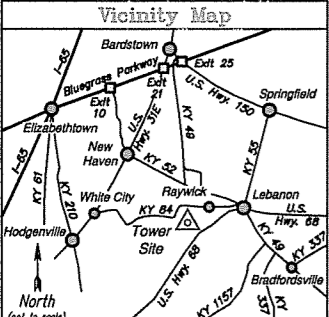
Basis of Bearings
 The bearing system of this survey is based upon G.P.S. observations made on December 9, 2010 using the National Geodetic Survey monument "R 222" and the Kentucky State Plane Coordinate System, South Zone, NAD 83 (2007). This system is grid north.

Tower Location Information
 Designation: Marion West
 Site ID#: None
 Horizontal Datum: NAD 83 (2007)
 Latitude: 37°33'38.67" North
 Longitude: 85°26'53.21" West
 Vertical Datum: NAVD 88
 Ground Elevation: 590.9 feet (180.11 m)
 State Plane Coordinates
 Northing: 2,087,445.17 feet (636,254.560 m)
 Easting: 1,727,921.11 feet (526,671.408 m)

Landowner Information
 Landowner: Walter E. Abell, III and Connie M. Abell
 Address: 885 Howardstown Road
 Raywick, Kentucky 40060
 Contact Person: Walter E. Abell III
 Phone: 270-692-2006 Cell: 270-699-1773
 PVA Map No. 013-021

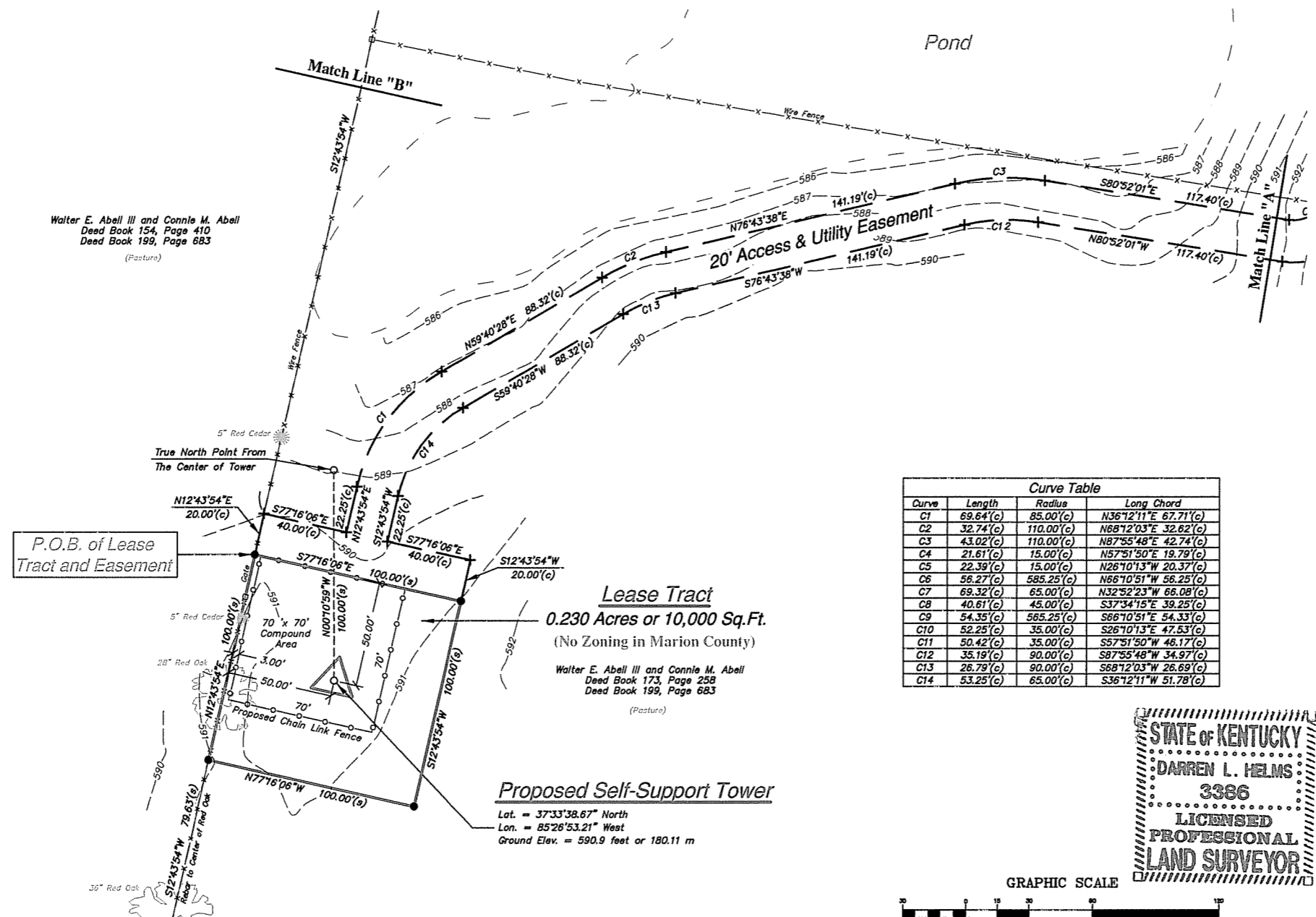
Project Bench Mark
 Northing: 2,087,328 feet (636,219 m)
 Easting: 1,727,845 feet (526,648 m)
 Elevation: 592.81 feet (180.689 m)
 Description: A MAG nail set in the east side of a 36" red oak, 6" above grade. The benchmark is approximately 140 feet southwest of the center of the tower.

Flood Plain Statement
 According to the Flood Insurance Rate Map for Marion County, Kentucky, Community Panel No. 21155C0140C, dated January 6, 2010, the subject site lies within "Other Areas - Zone X", which is defined as "Areas determined to be outside the 0.2% annual chance floodplain."

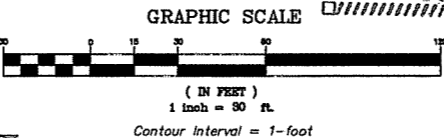


Directions to Site
 From Elizabethtown, Kentucky, travel south on Kentucky Highway 210 to Hodgenville and U.S. Highway 31E; travel northeast on U.S. Highway 31E for about 5 miles to Kentucky Highway 84 in White City; travel east on Kentucky Highway 84 for 17 miles to a lane on the south side of Kentucky Highway 84 about 1 mile before reaching Raywick; turn right onto the lane a travel southerly for about 1,200 feet to the tower site in a pasture.

Walter E. Abell III and Connie M. Abell
 Deed Book 154, Page 410
 Deed Book 199, Page 683
 (Pasture)



Curve	Length	Radius	Long Chord
C1	69.64'(c)	85.00'(c)	N36°12'11"E 67.71'(c)
C2	32.74'(c)	110.00'(c)	N68°12'03"E 32.62'(c)
C3	43.02'(c)	110.00'(c)	N87°55'48"E 42.74'(c)
C4	21.61'(c)	15.00'(c)	N57°51'50"E 19.79'(c)
C5	22.39'(c)	15.00'(c)	N26°10'13"W 20.37'(c)
C6	58.27'(c)	585.25'(c)	N66°10'51"W 56.25'(c)
C7	69.32'(c)	65.00'(c)	N32°52'23"W 66.08'(c)
C8	40.61'(c)	45.00'(c)	S37°34'15"E 39.25'(c)
C9	54.35'(c)	565.25'(c)	S66°10'51"E 54.33'(c)
C10	52.25'(c)	35.00'(c)	S26°10'13"E 47.53'(c)
C11	50.42'(c)	35.00'(c)	S57°51'50"W 46.17'(c)
C12	35.19'(c)	90.00'(c)	S87°55'48"W 34.97'(c)
C13	26.79'(c)	90.00'(c)	S68°12'03"W 26.69'(c)
C14	53.25'(c)	65.00'(c)	S36°12'11"W 51.78'(c)



Reduced Copy

- Surveyor's Notes**
- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
 - No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
 - The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of utilities was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate utilities prior to construction.
 - The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
 - According to John G. Mattingly, County Judge Executive of Marion County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's office may be contacted at 270-692-3451 for confirmation.
 - The proposed location of the Marion cell site will be located outside of an incorporated city.

- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
 - 5/8" Rebar Set Flush - No Cap
 - Wood Gate Post
 - × Calculated Position - No Monument Found or Set
 - Subject Boundaries
 - - - Subject Easement Boundaries
 - Property or Deed Lines
 - - - Right of Way
 - Utility Pole
 - Utility As Noted
 - (m) Measured
 - (r) Recorded
 - (c) Calculated
 - (s) Set

Lease Boundary and Easement Description
 A tract of land that is located about 1 mile west of Raywick and 750 feet south of Kentucky Highway 84 (Howardstown Road) in Marion County, Kentucky; said tract being described as follows:
 COMMENCING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the northeast corner of the 84.33-acre tract described in deed to Walter E. Abell III and Connie M. Abell on May 29, 1998 in Deed Book 199, page 683 in the office of the County Clerk of Marion County, Kentucky; said rebar being set 3.8 feet northerly of a wood corner post and being on the southern right of way of the aforesaid highway (30 feet from the centerline); thence along the eastern boundary of said 84.33-acre tract the following two (2) courses: (1) South 11 degrees 11 minutes 13 seconds West 145.06 feet to a wood gate post on the north side of a farm lane and (2) South 12 degrees 43 minutes 54 seconds West 556.42 feet to a rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) on the south side of a wood gate post and being the POINT OF BEGINNING of this description; thence South 77 degrees 16 minutes 06 seconds East 100.00 feet to a rebar set flush; thence South 12 degrees 43 minutes 54 seconds West 100.00 feet to a rebar set flush; thence North 77 degrees 16 minutes 06 seconds West 100.00 feet to a rebar set flush on the eastern boundary of the aforesaid 84.33-acre tract; thence North 12 degrees 43 minutes 54 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 Kentucky Highway 84; 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 northwest corner of the above-described 0.230-acre lease tract; thence North 12 degrees 43 minutes 54 seconds East 20.00 feet; thence South 77 degrees 16 minutes 06 seconds East 40.00 feet; thence North 12 degrees 43 minutes 54 seconds East 22.25 feet; thence Northwesterly 69.64 feet along an arc to the right and having a radius of 85.00 feet and subtended by a long chord having a bearing of North 36 degrees 12 minutes 11 seconds East and a length of 67.71 feet; thence North 59 degrees 40 minutes 28 seconds East 88.32 feet; thence Northwesterly 32.74 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of North 68 degrees 12 minutes 03 seconds East and a length of 42.74 feet; thence North 76 degrees 03 minutes 38 seconds East 141.19 feet; thence Easterly 43.02 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of North 87 degrees 55 minutes 48 seconds East and a length of 42.74 feet; thence South 80 degrees 52 minutes 01 second East 117.40 feet; thence Northwesterly 21.61 feet along an arc to the left and having a radius of 15.00 feet and subtended by a long chord having a bearing of North 57 degrees 51 minutes 50 seconds East and a length of 19.79 feet; thence North 16 degrees 35 minutes 42 seconds East 333.09 feet; thence Northwesterly 22.39 feet along an arc to the left and having a radius of 15.00 feet and subtended by a long chord having a bearing of North 26 degrees 10 minutes 13 seconds West and a length of 20.37 feet to the beginning of a reverse curve; thence Northwesterly 56.27 feet along an arc to the right and having a radius of 585.25 feet and subtended by a long chord having a bearing of North 66 degrees 10 minutes 51 seconds West and a length of 56.25 feet; thence North 63 degrees 25 minutes 35 seconds West 101.07 feet; thence Northwesterly 69.32 feet along an arc to the right and having a radius of 65.00 feet and subtended by a long chord having a bearing of North 32 degrees 52 minutes 23 seconds West and a length of 66.08 feet to the southern right of way of Kentucky Highway 84 (30 feet from the centerline), which is a non-tangent line; thence South 72 degrees 41 minutes 47 seconds East, along said right of way, 21.87 feet to a non-tangent curve; thence Southeasterly 40.61 feet along an arc to the left and having a radius of 45.00 feet and subtended by a long chord having a bearing of South 37 degrees 34 minutes 15 seconds East and a length of 39.25 feet; thence South 63 degrees 25 minutes 35 seconds East 101.07 feet; thence Southeasterly 54.35 feet along an arc to the left and having a radius of 565.25 feet and subtended by a long chord having a bearing of South 66 degrees 10 minutes 51 seconds East and a length of 54.33 feet to the beginning of a reverse curve; thence Southeasterly 52.25 feet along an arc to the right and having a radius of 35.00 feet and subtended by a long chord having a bearing of South 26 degrees 10 minutes 13 seconds East and a length of 47.53 feet; thence South 16 degrees 35 minutes 42 seconds West 333.09 feet; thence Southwesterly 50.42 feet along an arc to the right and having a radius of 35.00 feet and subtended by a long chord having a bearing of South 57 degrees 51 minutes 50 seconds West and a length of 46.17 feet; thence North 80 degrees 52 minutes 01 second West 117.40 feet; thence Westerly 35.19 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of South 87 degrees 55 minutes 48 seconds West and a length of 34.97 feet; thence South 76 degrees 43 minutes 38 seconds West 141.19 feet; thence Southwesterly 26.79 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of South 68 degrees 12 minutes 03 seconds West 26.69 feet; thence South 59 degrees 40 minutes 28 seconds West 88.32 feet; thence Southwesterly 53.25 feet along an arc to the left and having a radius of 65.00 feet and subtended by a long chord having a bearing of South 36 degrees 12 minutes 11 seconds West and a length of 51.78 feet; thence South 12 degrees 43 minutes 54 seconds East 100.00 feet; thence South 12 degrees 43 minutes 54 seconds West 20.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the northeast corner of the above-described 0.230-acre lease tract; thence North 77 degrees 16 minutes 06 seconds West 100.00 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 (2007), as determined by G.P.S. observations made on December 9, 2010 using the National Geodetic Survey monument "R 222". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on December 31, 2010. Said survey is hereby referenced and made a part of these descriptions.

Surveyor's Certification
 I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on December 9, 2010 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:34,400 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

Darren L. Helms, P.L.S. 3386
 Dec. 31, 2010
 Date

Landmark Surveying Co., Inc.
 15 NE 3rd Street
 Washington, Indiana 47501
 (812) 257-0950
 Email: landmar@landmarksurvey.com
 Project No. 10-11-0183

Lease Boundary Survey
 883 Howardstown Road
 Raywick, Kentucky 40060

Bluegrass Cellular

2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 12-31-10
 DRAWN BY: A. Winkler
 CHECKED BY: D.L. Helms

SHEET NO.
 1
 OF 2 SHEETS

FILE NO.
 marion.dwg

Site: Marion West
Lease Boundary and Topographic Survey
Marion County, Kentucky

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0850
 Email: landmark@landmarksurvey.com
 Project No. 10-11-013
 © 2010

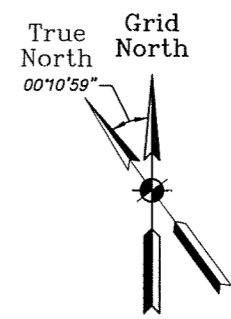
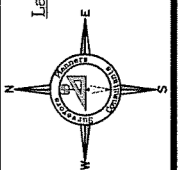
Lease Boundary Survey
 883 Howardstown Road
 Raywick, Kentucky 40060

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 12-31-10
 DRAWN BY: A. Winkler
 CHECKED BY: D.L. Helms

SHEET NO. 2 OF 2 SHEETS
 FILE NO. marion.dwg



- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
 - 5/8" Rebar Set Flush - No Cap
 - Wood Gate Post
 - × Calculated Position - No Monument Found or Set
 - Subject Boundaries
 - - - Subject Easement Boundaries
 - - - Property or Dead Lines
 - - - Right of Way
 - Utility Pole
 - Utility As Noted
 - (m) Measured
 - (r) Recorded
 - (c) Calculated
 - (s) Set

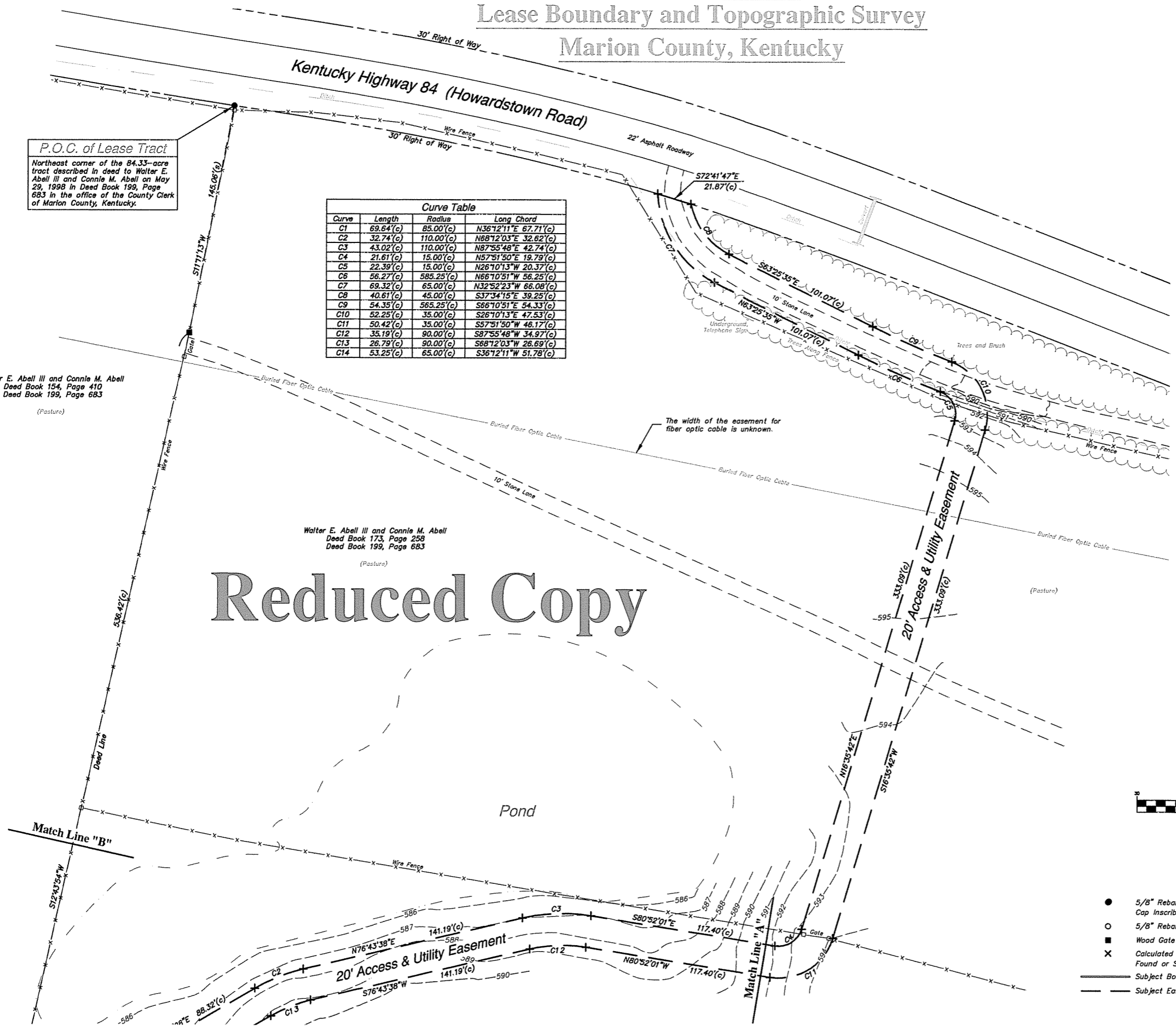
Curve	Length	Radius	Long Chord
C1	69.64'(c)	85.00'(c)	N36°12'11"E 67.71'(c)
C2	32.74'(c)	110.00'(c)	N68°12'03"E 32.62'(c)
C3	43.02'(c)	110.00'(c)	N87°55'48"E 42.74'(c)
C4	21.61'(c)	15.00'(c)	N57°51'50"E 19.79'(c)
C5	22.39'(c)	15.00'(c)	N26°10'13"W 20.37'(c)
C6	56.27'(c)	585.25'(c)	N66°10'51"W 56.25'(c)
C7	69.32'(c)	65.00'(c)	N32°52'23"W 66.08'(c)
C8	40.61'(c)	45.00'(c)	S37°34'15"E 39.25'(c)
C9	54.35'(c)	565.25'(c)	S66°10'51"E 54.33'(c)
C10	52.25'(c)	35.00'(c)	S26°10'13"E 47.53'(c)
C11	50.42'(c)	35.00'(c)	S57°51'50"W 46.17'(c)
C12	35.19'(c)	90.00'(c)	S87°55'48"W 34.97'(c)
C13	26.79'(c)	90.00'(c)	S66°12'03"W 26.69'(c)
C14	53.25'(c)	65.00'(c)	S36°12'11"W 51.78'(c)

P.O.C. of Lease Tract
 Northeast corner of the 84.33-acre tract described in deed to Walter E. Abell III and Connie M. Abell on May 29, 1998 in Deed Book 199, Page 683 in the office of the County Clerk of Marion County, Kentucky.

Walter E. Abell III and Connie M. Abell
 Deed Book 154, Page 410
 Deed Book 199, Page 683
 (Pasture)

Walter E. Abell III and Connie M. Abell
 Deed Book 173, Page 258
 Deed Book 199, Page 683
 (Pasture)

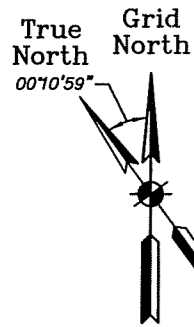
Reduced Copy



Site: Marion West

Lease Boundary and Topographic Survey

Marion County, Kentucky



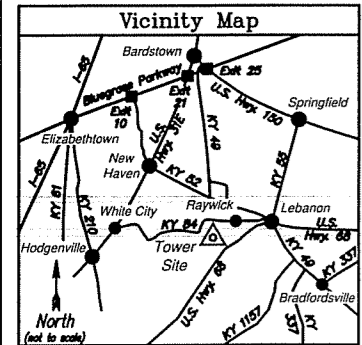
Basis of Bearings
The bearing system of this survey is based upon G.P.S. observations made on December 9, 2010 using the National Geodetic Survey monument "R 222" and the Kentucky State Plane Coordinate System, South Zone, NAD 83 (2007). This system is grid north.

Tower Location Information
Designation: Marion West
Site ID#: None
Horizontal Datum: NAD 83 (2007)
Latitude: 37°33'38.67" North
Longitude: 85°26'53.21" West
Vertical Datum: NAVD 88
Ground Elevation: 590.9 feet (180.11 m)
State Plane Coordinates
Northing: 2,087,445.17 feet (636,254.560 m)
Easting: 1,727,921.11 feet (526,671.408 m)

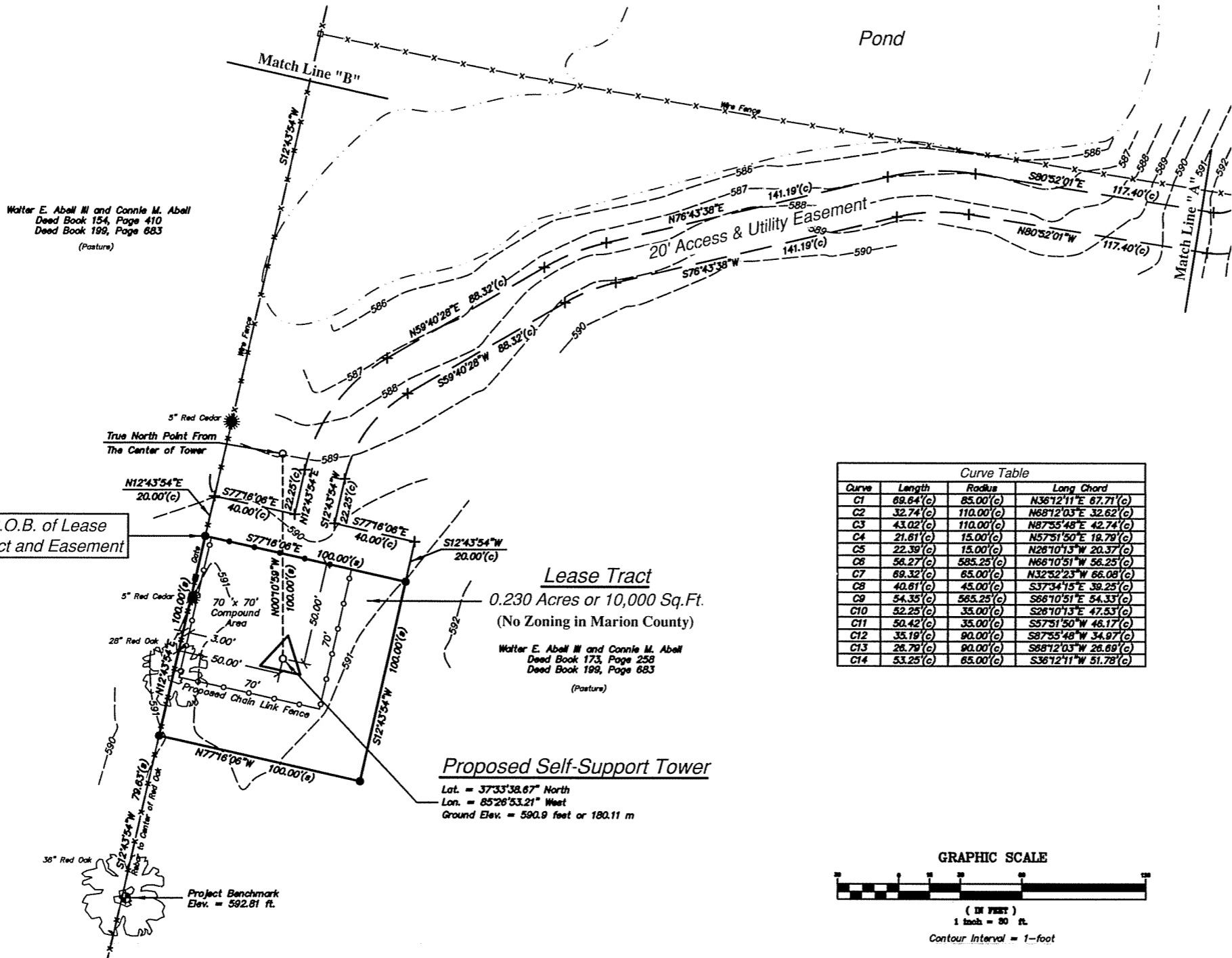
Landowner Information
Landowner: Walter E. III and Connie M. Abell
Address: 885 Howardstown Road
Raywick, Kentucky 40060
Contact Person: Walter E. Abell III
Phone: 270-692-2006 Cell: 270-699-1773
PVA Map No. 013-021

Project Bench Mark
Northing: 2,087,328 feet (636,219 m)
Easting: 1,727,845 feet (526,648 m)
Elevation: 592.81 feet (180.689 m)
Description: A MAG nail set in the east side of a 36" red oak, 6" above grade. The benchmark is approximately 140 feet southwest of the center of the tower.

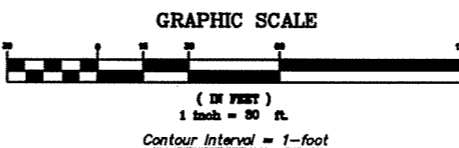
Flood Plain Statement
According to the Flood Insurance Rate Map for Marion County, Kentucky, Community Panel No. 21155C0140C, dated January 6, 2010, the subject site lies within "Other Areas - Zone X", which is defined as "Areas determined to be outside the 0.2% annual chance floodplain."



Directions to Site
From Elizabethtown, Kentucky: travel south on Kentucky Highway 210 to Hodgenville and U.S. Highway 31E; travel northeast on U.S. Highway 31E for about 5 miles to Kentucky Highway 84 in White City; travel east on Kentucky Highway 84 for 17 miles to a lane on the south side of Kentucky Highway 84 about 1 mile before reaching Raywick; turn right onto the lane a travel southerly for about 1,200 feet to the tower site in a pasture.



Curve	Length	Radius	Long Chord
C1	69.64'(c)	85.00'(c)	N36°12'11"E 67.71'(c)
C2	32.74'(c)	110.00'(c)	N68°12'03"E 32.62'(c)
C3	43.02'(c)	110.00'(c)	N87°55'48"E 42.74'(c)
C4	21.61'(c)	15.00'(c)	N57°31'50"E 19.79'(c)
C5	22.39'(c)	15.00'(c)	N28°10'13"W 20.37'(c)
C6	56.27'(c)	585.25'(c)	N68°10'51"W 56.25'(c)
C7	68.32'(c)	65.00'(c)	N32°52'23"W 66.08'(c)
C8	40.61'(c)	45.00'(c)	S37°34'15"E 39.25'(c)
C9	54.35'(c)	565.25'(c)	S66°10'51"E 54.33'(c)
C10	32.25'(c)	35.00'(c)	S28°10'13"E 47.53'(c)
C11	50.42'(c)	35.00'(c)	S57°31'50"W 46.17'(c)
C12	35.19'(c)	90.00'(c)	S87°55'48"W 34.87'(c)
C13	26.79'(c)	90.00'(c)	S68°12'03"W 26.69'(c)
C14	53.25'(c)	65.00'(c)	S36°12'11"W 51.78'(c)



Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plot 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.
- The topographic information contained on this plot was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to John G. Mattingly, County Judge Executive of Marion County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's office may be contacted at 270-692-3451 for confirmation.
- The proposed location of the Marion cell site will be located outside of an incorporated city.

- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
 - 5/8" Rebar Set Flush - No Cap
 - Wood Gate Post
 - × Calculated Position - No Monument Found or Set
 - Subject Boundaries
 - - - Subject Easement Boundaries
 - Property or Deed Lines
 - - - Right of Way
 - Utility Pole
 - Utility As Noted
 - (m) Measured
 - (r) Recorded
 - (c) Calculated
 - (s) Set

Lease Boundary and Easement Description

A tract of land that is located about 1 mile west of Raywick and 750 feet south of Kentucky Highway 84 (Howardstown Road) in Marion County, Kentucky; said tract being described as follows:

COMMENCING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the northeast corner of the 84.33-acre tract described in deed to Walter E. Abell III and Connie M. Abell on May 29, 1998 in Deed Book 199, page 683 in the office of the County Clerk of Marion County, Kentucky; said rebar being set 3.8 feet northerly of a wood corner post and being on the southern right of way of the aforesaid highway (30 feet from the centerline); thence along the eastern boundary of said 84.33-acre tract the following two (2) courses: (1) South 11 degrees 11 minutes 13 seconds West 145.06 feet to a wood gate post on the north side of a farm lane and (2) South 12 degrees 43 minutes 54 seconds West 556.42 feet to a rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) on the south side of a wood gate post and being the POINT OF BEGINNING of this description: thence South 77 degrees 16 minutes 06 seconds East 100.00 feet to a rebar set flush; thence South 12 degrees 43 minutes 54 seconds West 100.00 feet to a rebar set flush; thence North 77 degrees 16 minutes 06 seconds West 100.00 feet to a rebar set flush on the eastern boundary of the aforesaid 84.33-acre tract; thence North 12 degrees 43 minutes 54 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 Kentucky Highway 84; 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 northwest corner of the above-described 0.230-acre lease tract; thence North 12 degrees 43 minutes 54 seconds East 20.00 feet; thence South 77 degrees 16 minutes 06 seconds East 40.00 feet; thence North 12 degrees 43 minutes 54 seconds East 22.25 feet; thence Northeastly 69.64 feet along an arc to the right and having a radius of 85.00 feet and subtended by a long chord having a bearing of North 36 degrees 12 minutes 11 seconds East and a length of 67.71 feet; thence North 59 degrees 40 minutes 28 seconds East 88.32 feet; thence Northeastly 32.74 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of North 68 degrees 12 minutes 03 seconds East and a length of 32.62 feet; thence North 76 degrees 43 minutes 38 seconds East 141.19 feet; thence Easterly 43.02 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of North 87 degrees 55 minutes 48 seconds East and a length of 42.74 feet; thence South 68 degrees 12 minutes 03 seconds East 117.40 feet; thence Northeastly 21.61 feet along an arc to the left and having a radius of 15.00 feet and subtended by a long chord having a bearing of North 57 degrees 31 minutes 50 seconds East and a length of 19.79 feet; thence North 16 degrees 35 minutes 42 seconds East 333.09 feet; thence Northwesterly 22.39 feet along an arc to the left and having a radius of 15.00 feet and subtended by a long chord having a bearing of North 26 degrees 10 minutes 13 seconds West and a length of 20.37 feet to the beginning of a reverse curve; thence Northwesterly 56.27 feet along an arc to the right and having a radius of 585.25 feet and subtended by a long chord having a bearing of North 68 degrees 10 minutes 51 seconds West and a length of 56.25 feet; thence North 63 degrees 25 minutes 35 seconds West 101.07 feet; thence Northwesterly 69.32 feet along an arc to the right and having a radius of 65.00 feet and subtended by a long chord having a bearing of North 32 degrees 52 minutes 23 seconds West and a length of 66.08 feet to the southern right of way of Kentucky Highway 84 (30 feet from the centerline), which is a non-tangent line; thence South 72 degrees 41 minutes 47 seconds East, along said right of way, 21.87 feet to a non-tangent curve; thence Southeastly 40.61 feet and subtended by a long chord having a bearing of South 37 degrees 34 minutes 15 seconds East and a length of 39.25 feet; thence South 66 degrees 10 minutes 51 seconds East and a length of 54.33 feet to the beginning of a reverse curve; thence Southeastly 52.25 feet along an arc to the right and having a radius of 35.00 feet and subtended by a long chord having a bearing of South 26 degrees 10 minutes 13 seconds East and a length of 47.53 feet; thence South 16 degrees 35 minutes 42 seconds West 333.09 feet; thence Southwesterly 50.42 feet along an arc to the right and having a radius of 35.00 feet and subtended by a long chord having a bearing of South 57 degrees 31 minutes 50 seconds West and a length of 46.17 feet; thence North 80 degrees 52 minutes 01 seconds West 117.40 feet; thence Westery 35.19 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of South 87 degrees 55 minutes 48 seconds West and a length of 34.87 feet; thence South 76 degrees 43 minutes 38 seconds West 141.19 feet; thence Southwesterly 26.79 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of South 68 degrees 12 minutes 03 seconds East and a length of 26.69 feet; thence South 59 degrees 40 minutes 28 seconds West 88.32 feet; thence Southwesterly 32.74 feet along an arc to the left and having a radius of 65.00 feet and subtended by a long chord having a bearing of South 36 degrees 12 minutes 11 seconds West and a length of 51.78 feet; thence South 12 degrees 43 minutes 54 seconds West 22.25 feet; thence South 77 degrees 16 minutes 06 seconds East 40.00 feet; thence South 12 degrees 43 minutes 54 seconds West 20.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the northeast corner of the above-described 0.230-acre lease tract; thence North 77 degrees 16 minutes 06 seconds West 100.00 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 (2007), as determined by G.P.S. observations made on December 9, 2010 using the National Geodetic Survey monument "R 222". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on December 31, 2010. Said survey is hereby referenced and made a part of these descriptions.

SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Walter E. Abell III and Connie M. Abell as Parcel 1 on March 14, 1994 in Deed Book 173, page 258 and on May 29, 1998 in Deed Book 199, page 683; both documents being recorded in the office of the County Clerk of Marion County, Kentucky.

Surveyor's Certification

I hereby certify that this plot has been compiled from a survey actually made upon the ground under my direct supervision on December 9, 2010 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:34,400 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

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

Date

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0850
Email: landmark@landmarksurvey.com
Project No. 10-11-0183

Lease Boundary Survey
883 Howardstown Road
Raywick, Kentucky 40060

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 12-31-10
DRAWN BY: A. Whicker
CHECKED BY: D.L. Helms

SHEET NO. 1 OF 2 SHEETS
FILE NO. marion.dwg

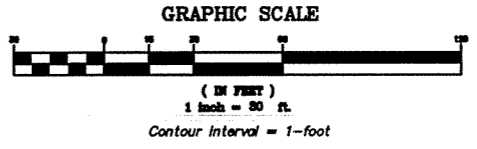
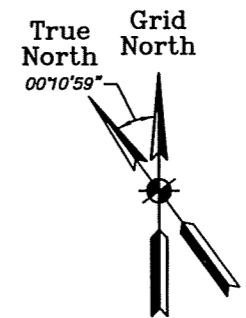
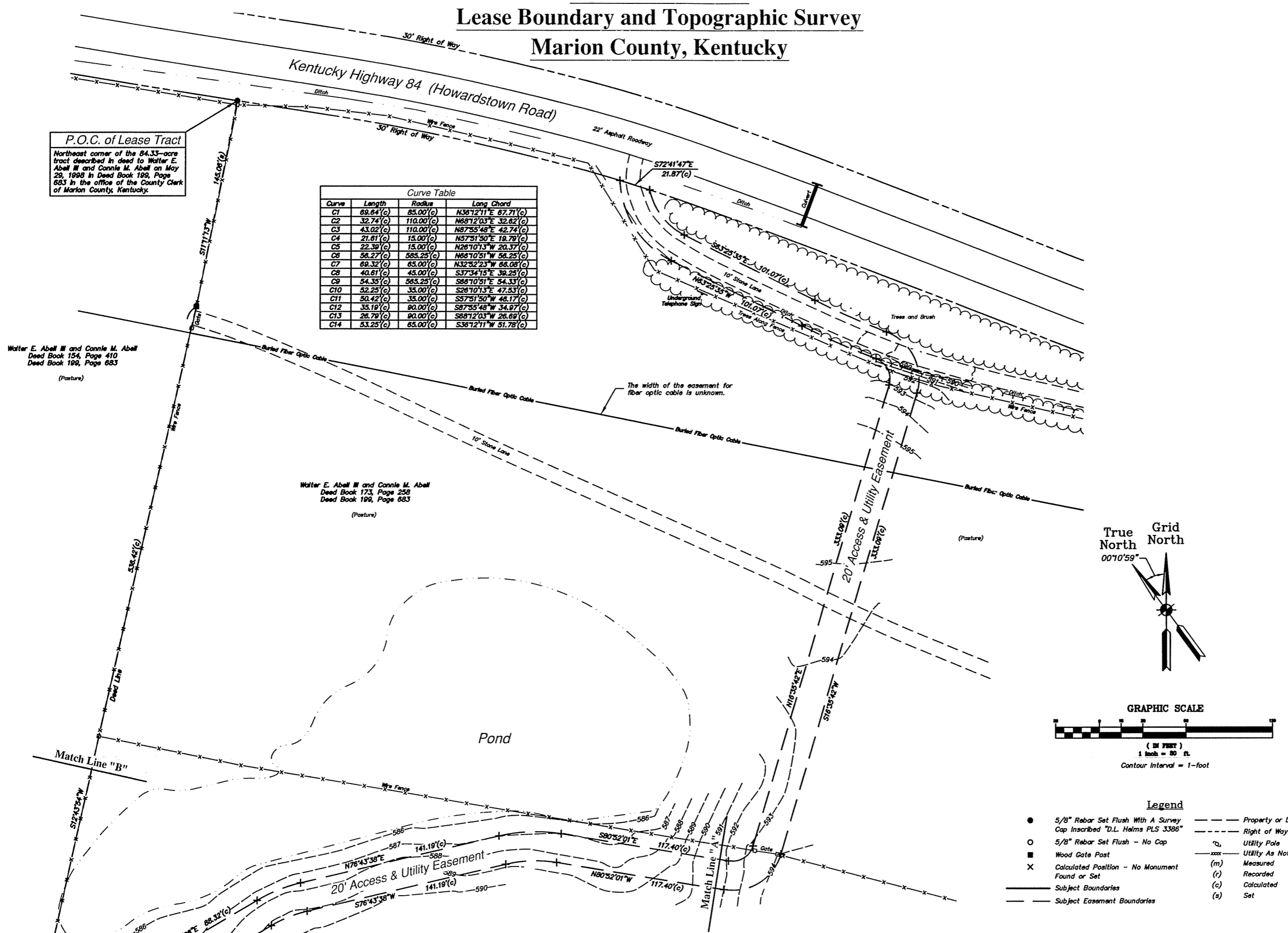
Site: Marion West

Lease Boundary and Topographic Survey

Marion County, Kentucky

P.O.C. of Lease Tract
 Northeast corner of the 84.33-acre tract described in deed to Walter E. Abell III and Connie M. Abell on May 29, 1998 in Deed Book 199, Page 683 in the office of the County Clerk of Marion County, Kentucky.

Curve	Length	Radius	Long Chord
C1	69.64(c)	85.00(c)	N36°12'11"E 67.71(c)
C2	32.74(c)	110.00(c)	N68°12'03"E 32.62(c)
C3	43.02(c)	110.00(c)	N87°55'48"E 42.74(c)
C4	21.61(c)	15.00(c)	N57°51'50"E 19.79(c)
C5	22.39(c)	15.00(c)	N26°10'13"W 20.37(c)
C6	56.27(c)	585.25(c)	N66°10'51"W 56.25(c)
C7	69.32(c)	65.00(c)	N32°52'23"W 66.08(c)
C8	40.61(c)	45.00(c)	S37°34'15"E 39.25(c)
C9	54.35(c)	565.25(c)	S66°10'51"E 54.33(c)
C10	52.25(c)	35.00(c)	S26°10'13"E 47.53(c)
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C12	35.19(c)	90.00(c)	S87°55'48"W 34.07(c)
C13	26.79(c)	90.00(c)	S68°12'03"W 26.69(c)
C14	53.25(c)	65.00(c)	S36°12'11"W 51.78(c)



- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
 - 5/8" Rebar Set Flush - No Cap
 - Wood Gate Post
 - X Calculated Position - No Monument Found or Set
 - Subject Boundaries
 - Subject Easement Boundaries
 - Property or Deed Lines
 - - - Right of Way
 - Utility Pole
 - Utility As Noted
 - (m) Measured
 - (r) Recorded
 - (c) Calculated
 - (s) Set

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0950
 Email: landmark@landmarksurvey.com
 Project No. 10-11-0783

Lease Boundary Survey
 883 Howardstown Road
 Raywick, Kentucky 40060

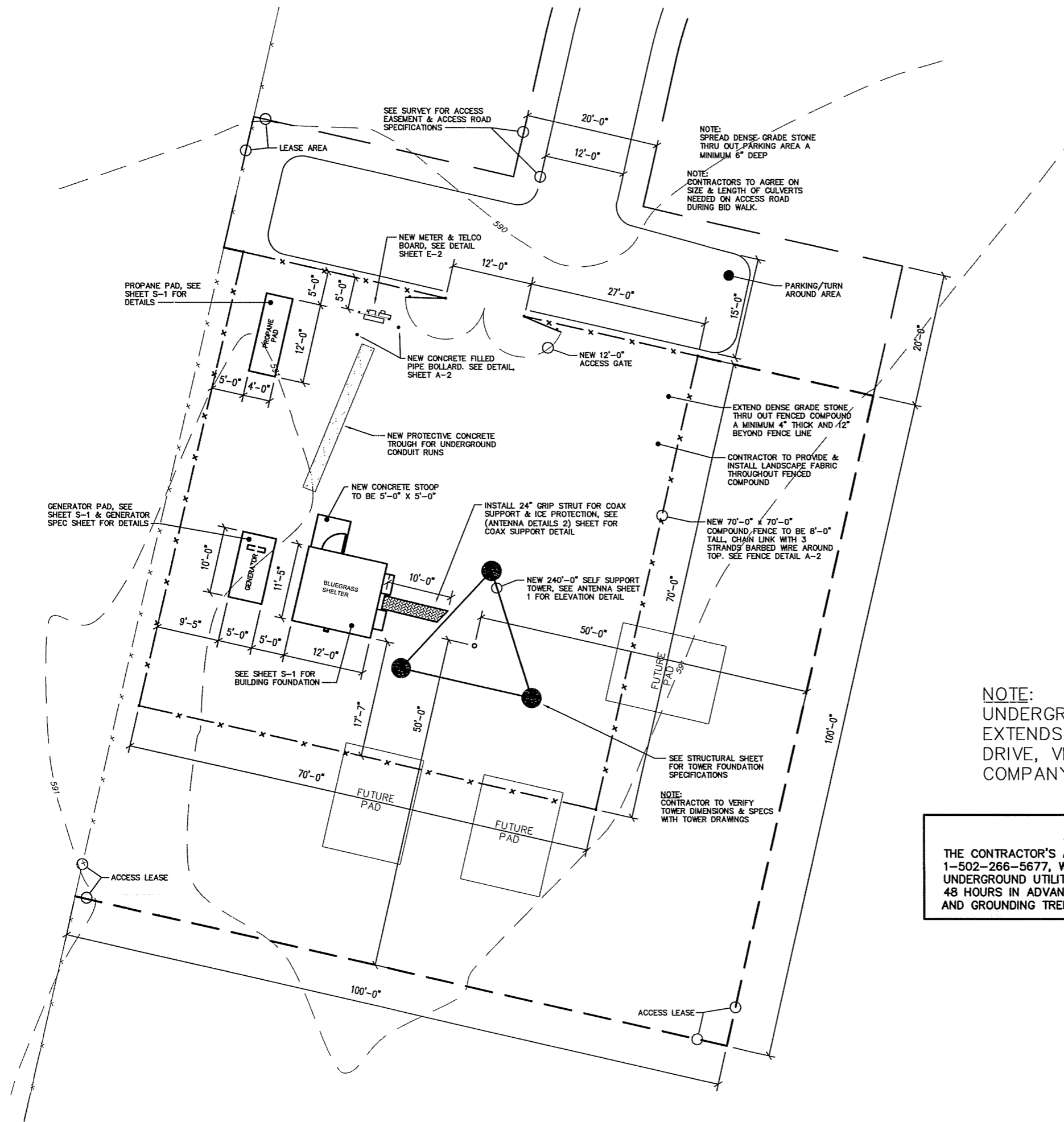
Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 12-31-10
 DRAWN BY: A. Walker
 CHECKED BY: D.L. Helms

SHEET NO. 2
 OF 2 SHEETS

FILE NO.
 marion.dwg



GENERAL NOTES:

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

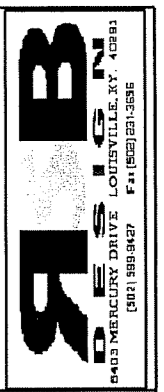
NOTE:

UNDERGROUND CROSS COUNTRY FIBER OPTIC CABLE EXTENDS ACROSS PROPERTY & PROPOSED ACCESS DRIVE, VERIFY LOCATION WITH TELEPHONE COMPANY PRIOR TO ANY ESCAVATION

UTILITY KENTUCKY 811

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 1-502-266-5677, 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.

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



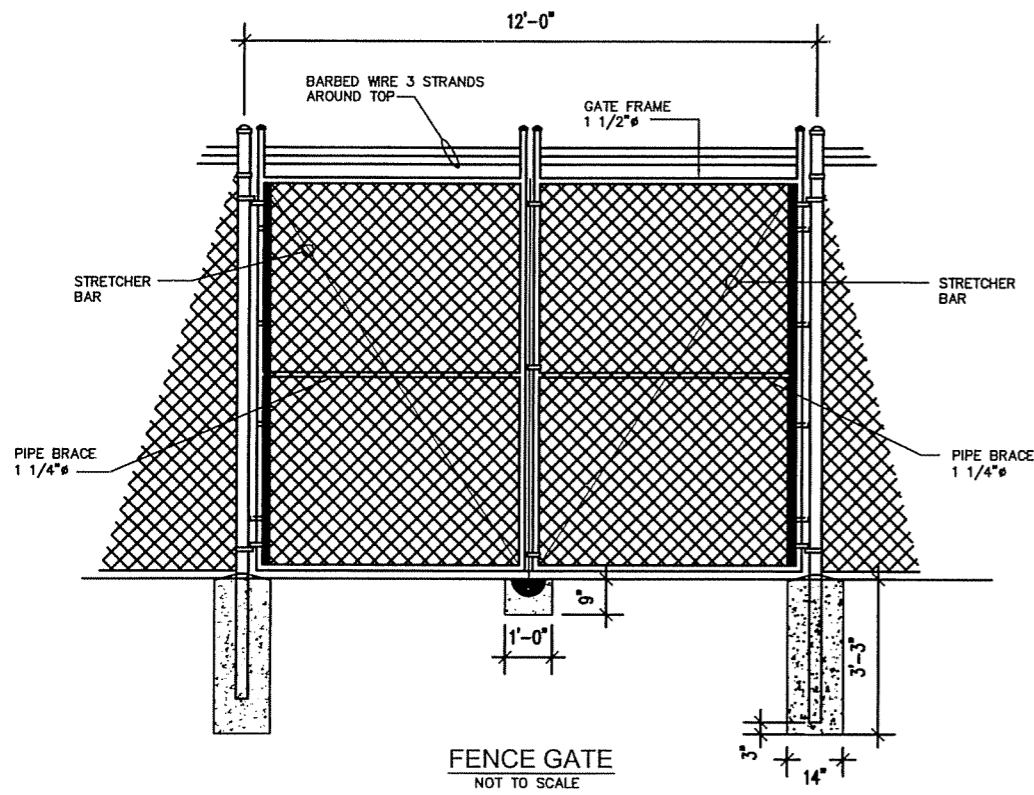
LOUISVILLE, KY. 40001
8403 MERCURY DRIVE
PARIS, KY 40362

NO.	DATE	REVISION

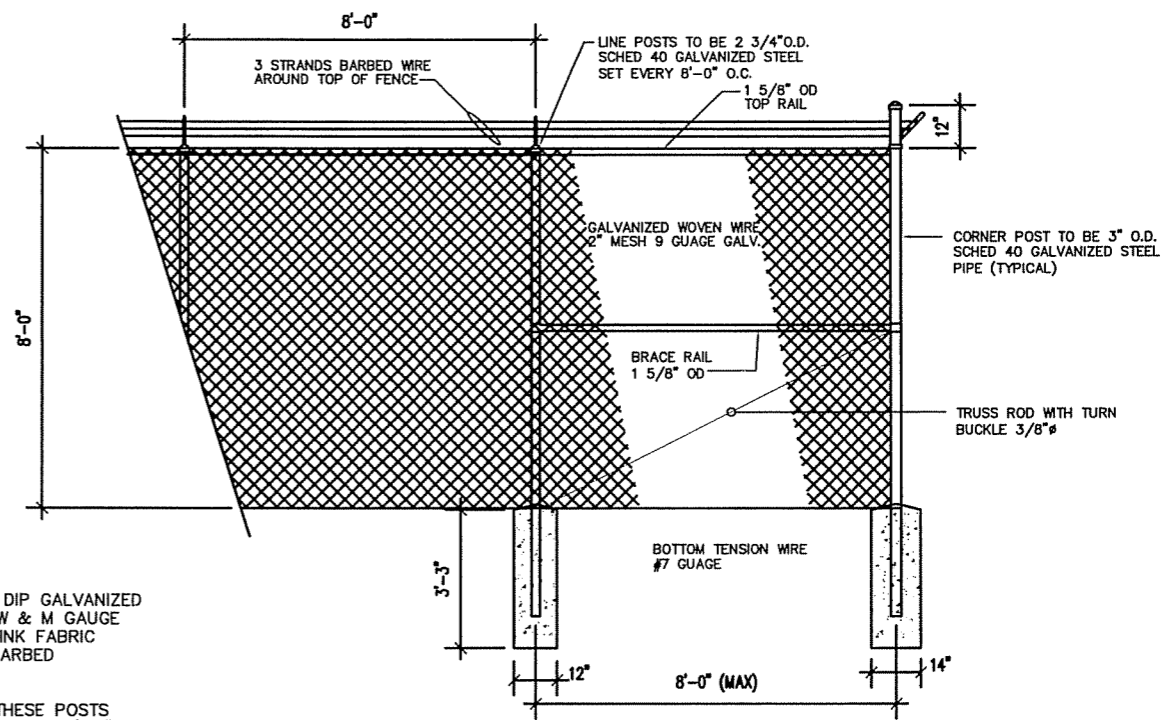
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
 883 HOWARDSTOWN RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER
 ISSUE DATE: 1-09-11
 SCALE: LISTED

SHEET NUMBER
A-1



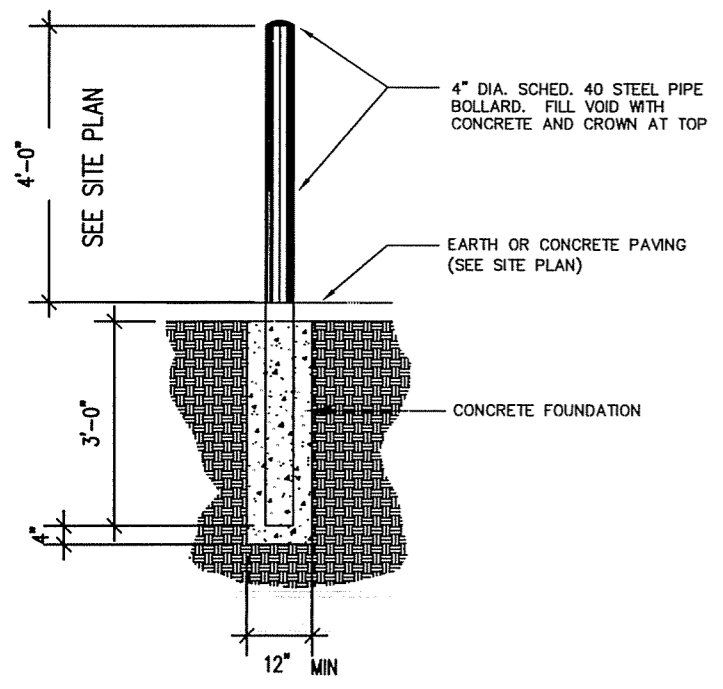
FENCE GATE
NOT TO SCALE



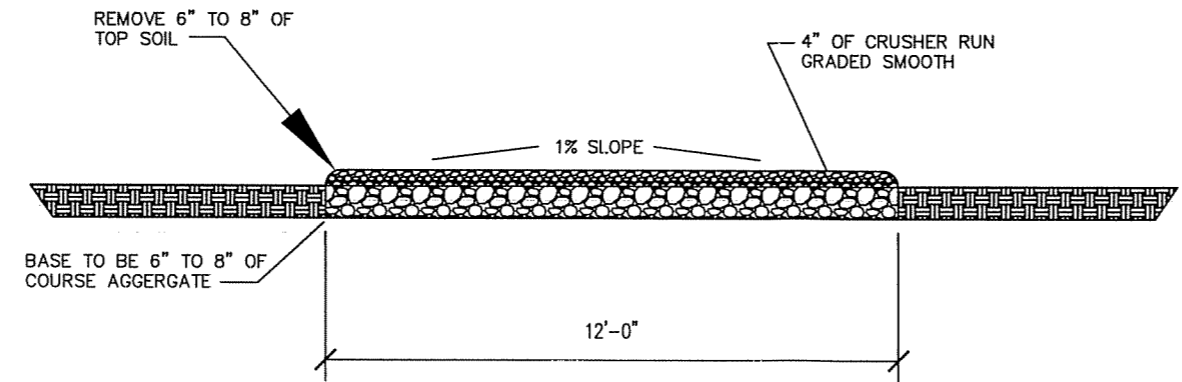
FENCE DETAIL END POLES
NOT TO SCALE

CHAIN LINK FENCING NOTES:

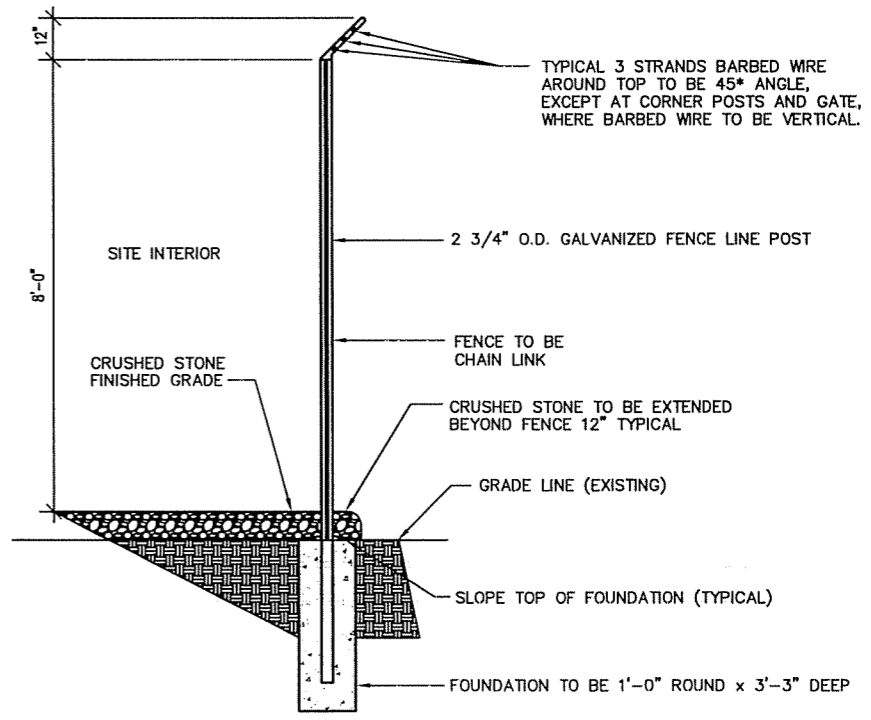
- FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- POSTS:** SHALL BE 2 3/4" O.D. SS 40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



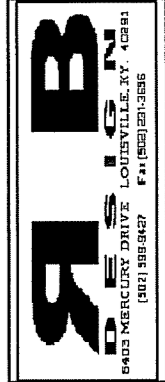
BOLLARD DETAIL
NOT TO SCALE



ROAD DETAIL
NOT TO SCALE



FENCE DETAIL LINE POLES
NOT TO SCALE



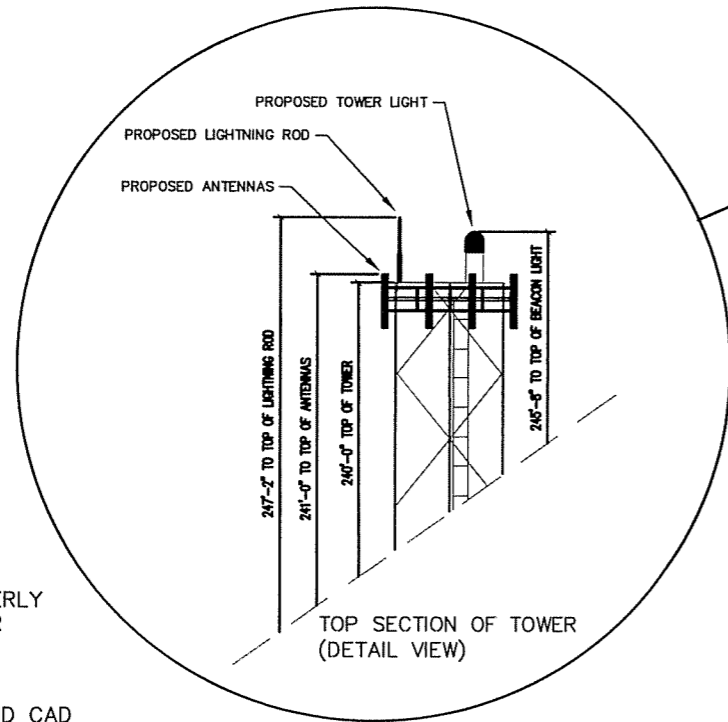
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
883 HOWARDSTOWN RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER
ISSUE DATE: 1-09-11
SCALE: LISTED

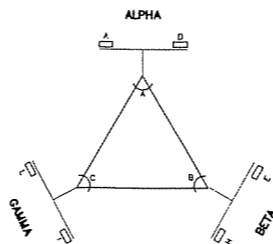
SHEET NUMBER
A-2

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS



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

240'-0" SELF SUPPORT
TOWER



VERIFY ANTENNA ORIENTATION
WITH ANTENNA SPECIFICATIONS

SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	LBX-9013DS VTM_02DT_0850	L=78.6 W=10.3 D=4.6	6	70*, 180*, 290*	240'-0" C/L VERIFY WITH CONSTRUCTION SUPERVISOR
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

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

ANTENNA TRANSMISSION LINES SPECS

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

DISH SPECS

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

DISH MOUNT SPECS

	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

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

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

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

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

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

LINES ARE TO BE SECURED TO ICE BRIDGE

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

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

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

ALL TRASH AND REFUGE IS TO BE PROPERLY
DISPOSED OF.

CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12"
& INSTALL POLYPHASERS AND GROUNDING, PER
INSTRUCTION OF PROJECT SUPERVISOR.

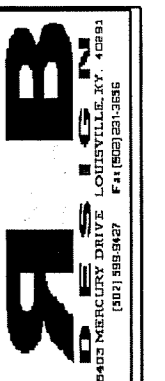
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT
TOP OF STRUCTURE OR TOWER BY BLUEGRASS
CELLULAR SPECIFICATIONS.

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

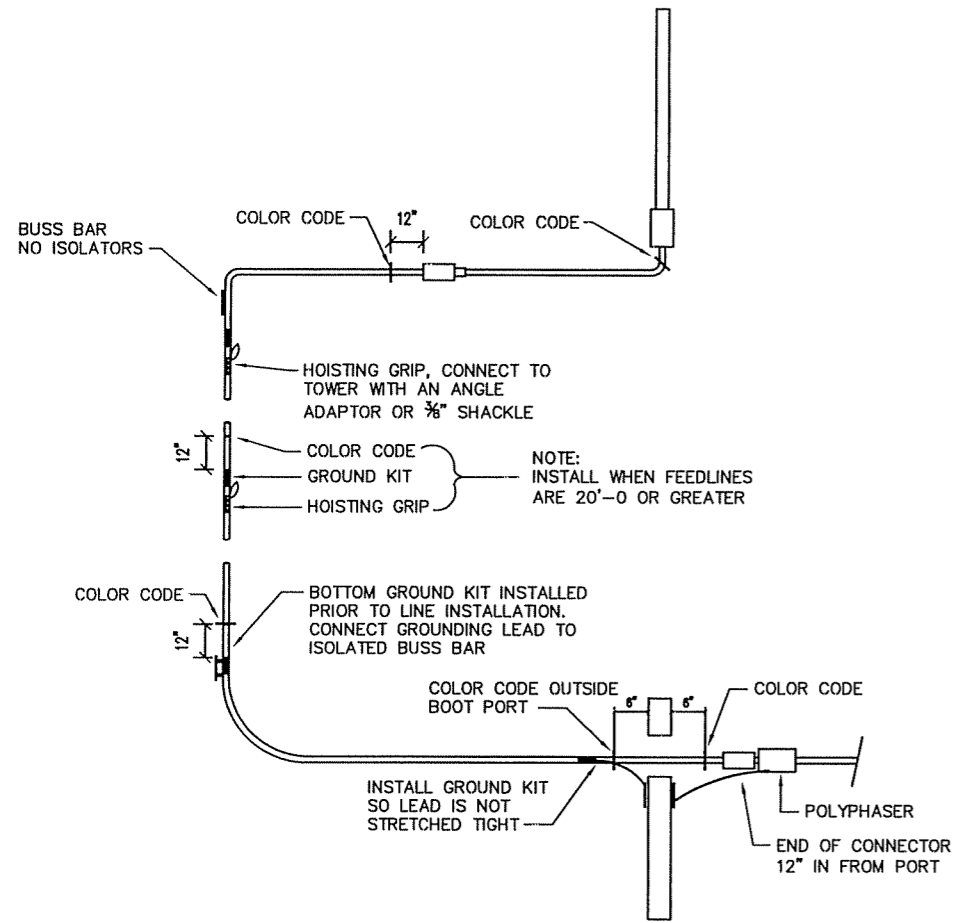


NO.	DATE	REVISION

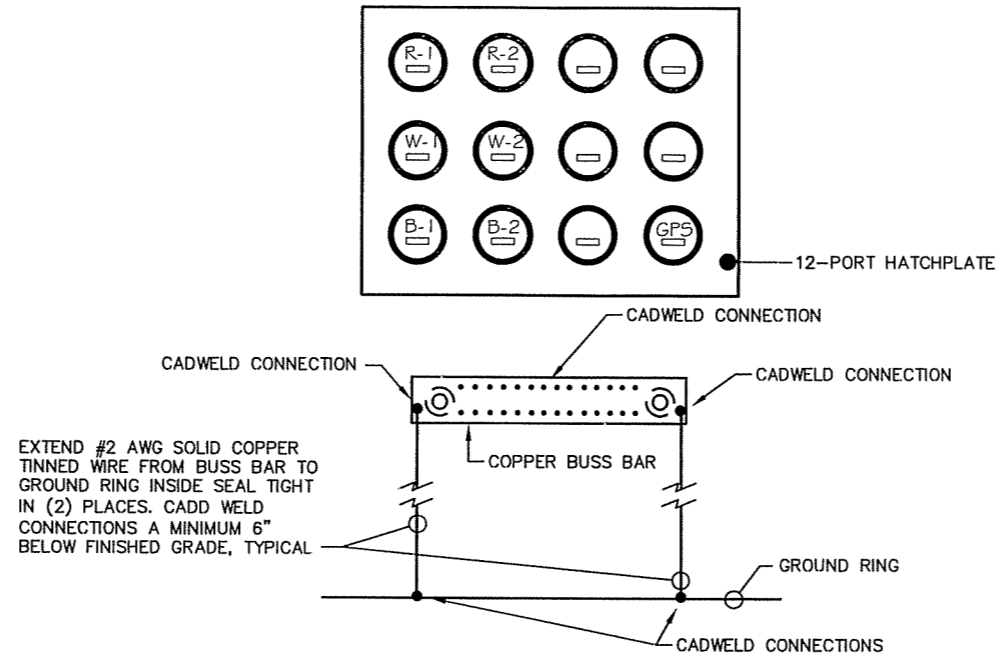
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
883 HOWARDSTOWN RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER
ISSUE DATE: 1-09-11
SCALE: LISTED

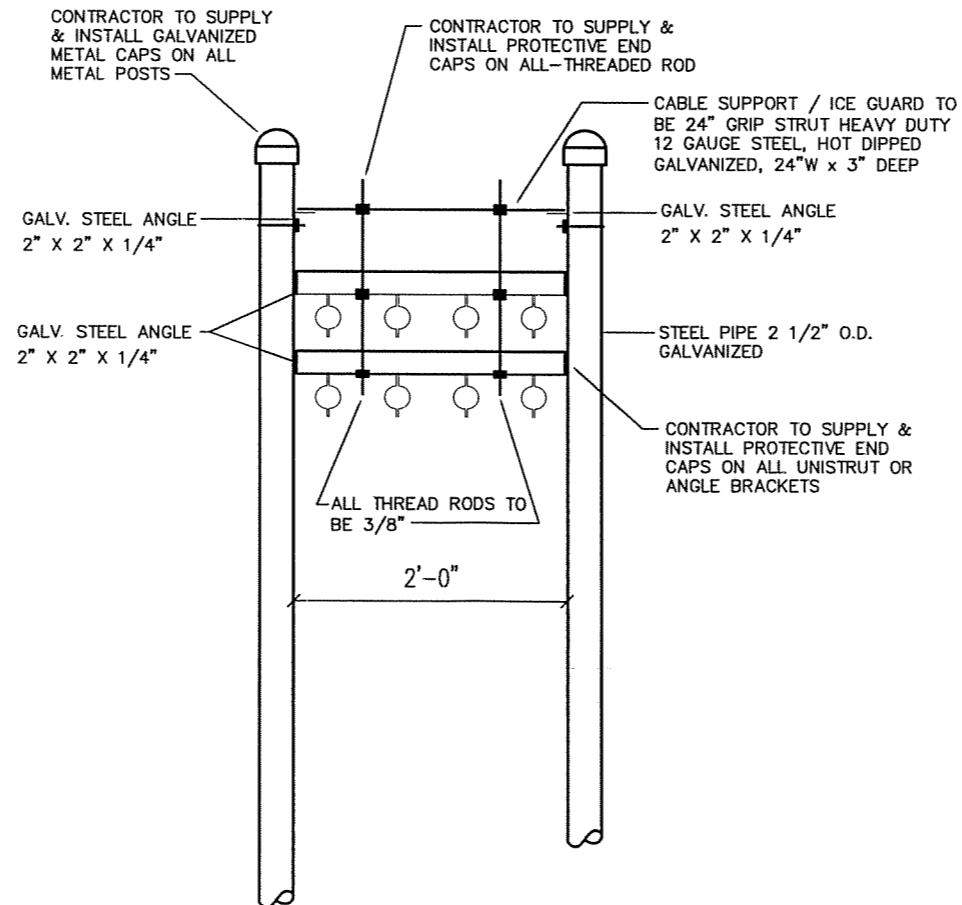
SHEET NUMBER
**ANTENNA
DETAILS
1**



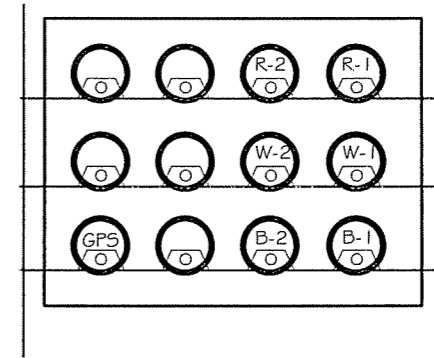
COLOR CODING DETAIL
NO SCALE



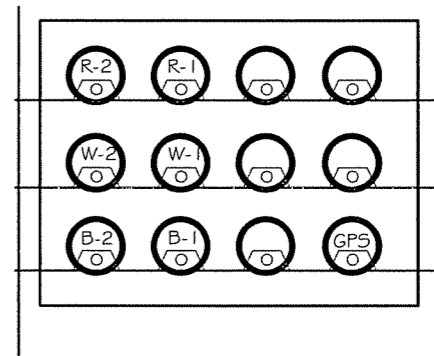
BOOT PORT GROUNDING DETAIL
NO SCALE



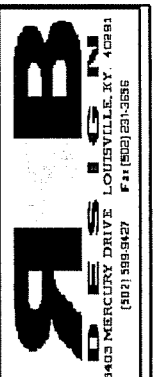
ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



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



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

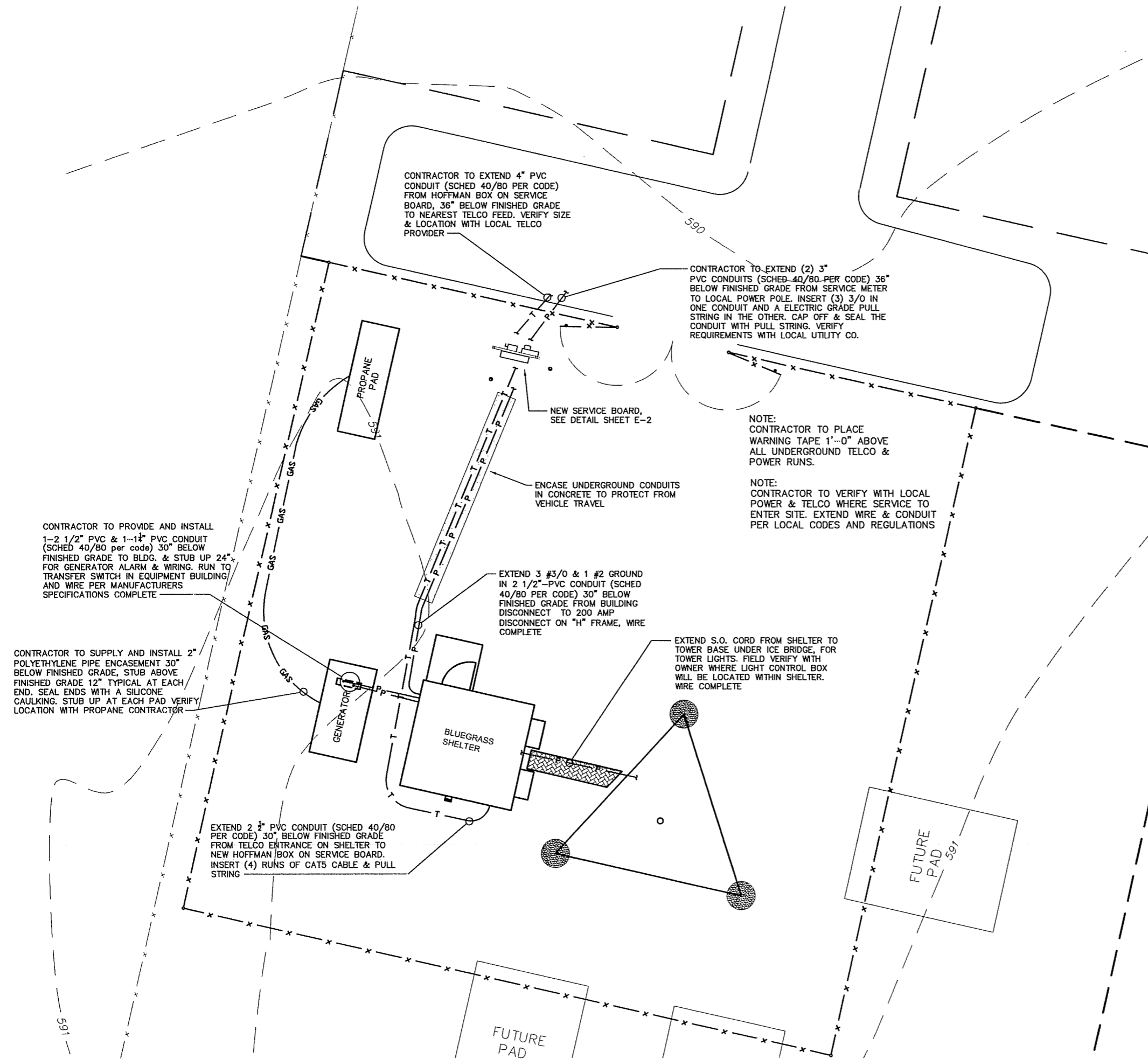


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
883 HOWARDSTOWN RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER
ISSUE DATE: 1-09-11
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

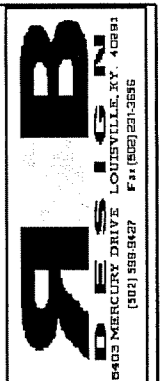
NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS. (TAKE PICTURES)

SYMBOLS LEGEND

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

SITE PLAN- ELECTRICAL

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

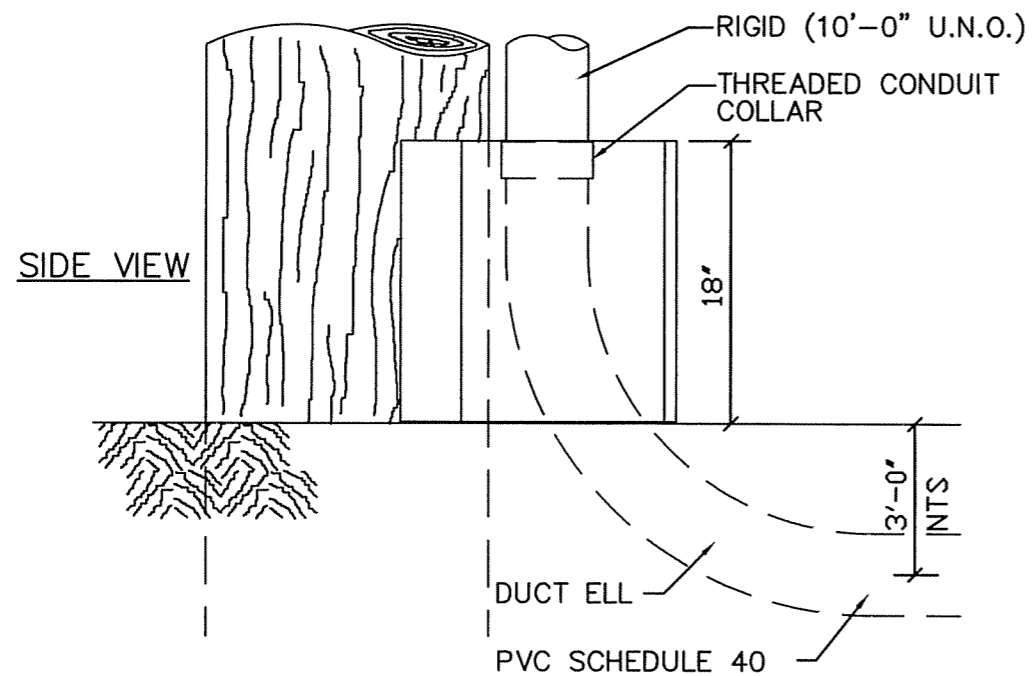
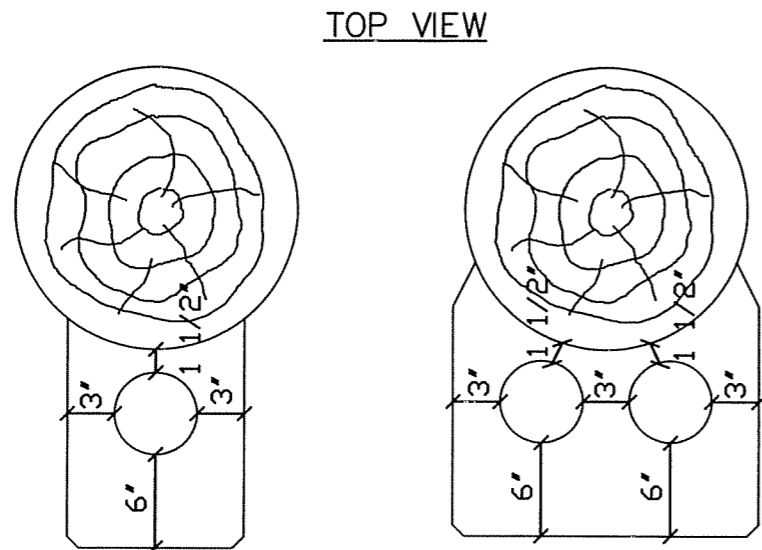


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
883 HOWARDSTOWN RD. RAYWICK, KY. 40060

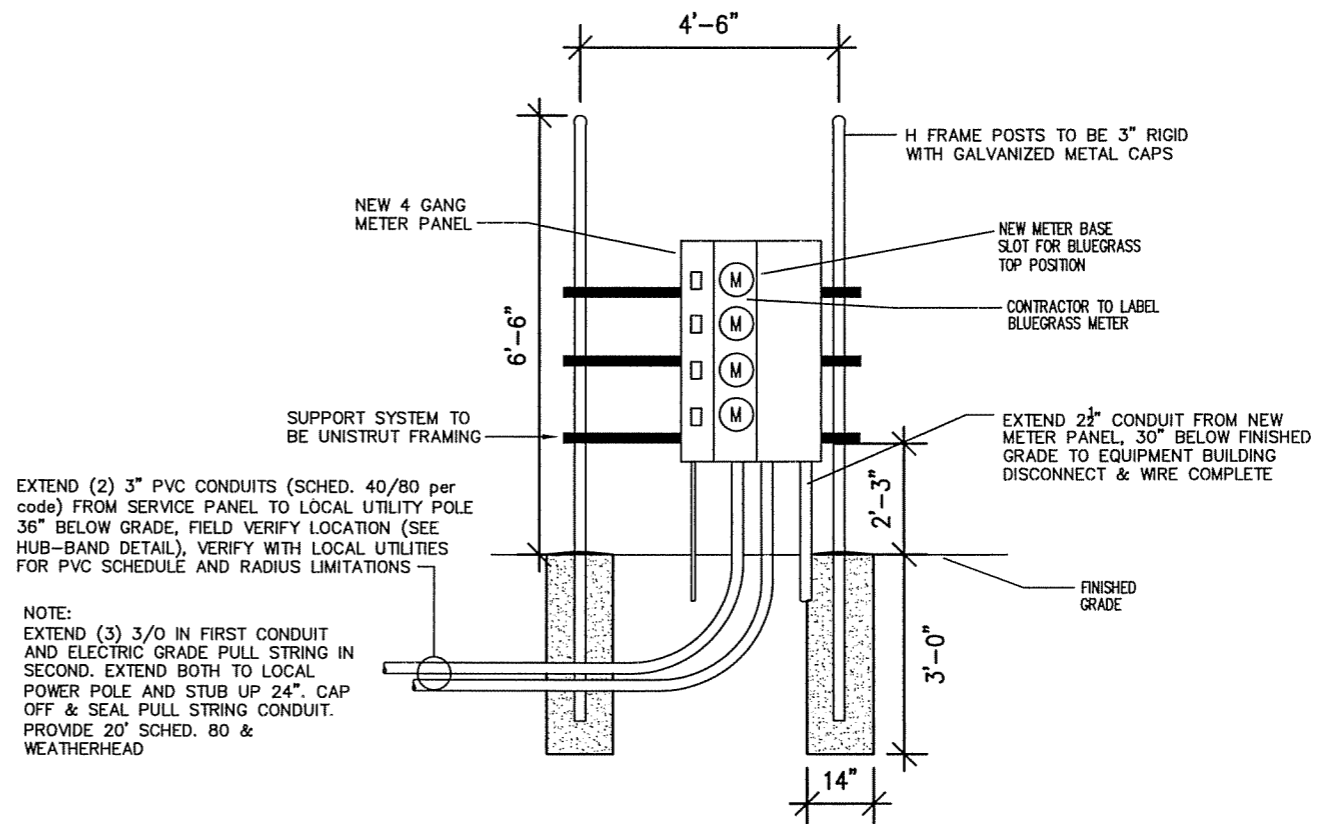
DRAWN BY: R. BECKER
ISSUE DATE: 1-09-11
SCALE: LISTED

SHEET NUMBER
E-1



HUB-BAND DETAIL

NO SCALE

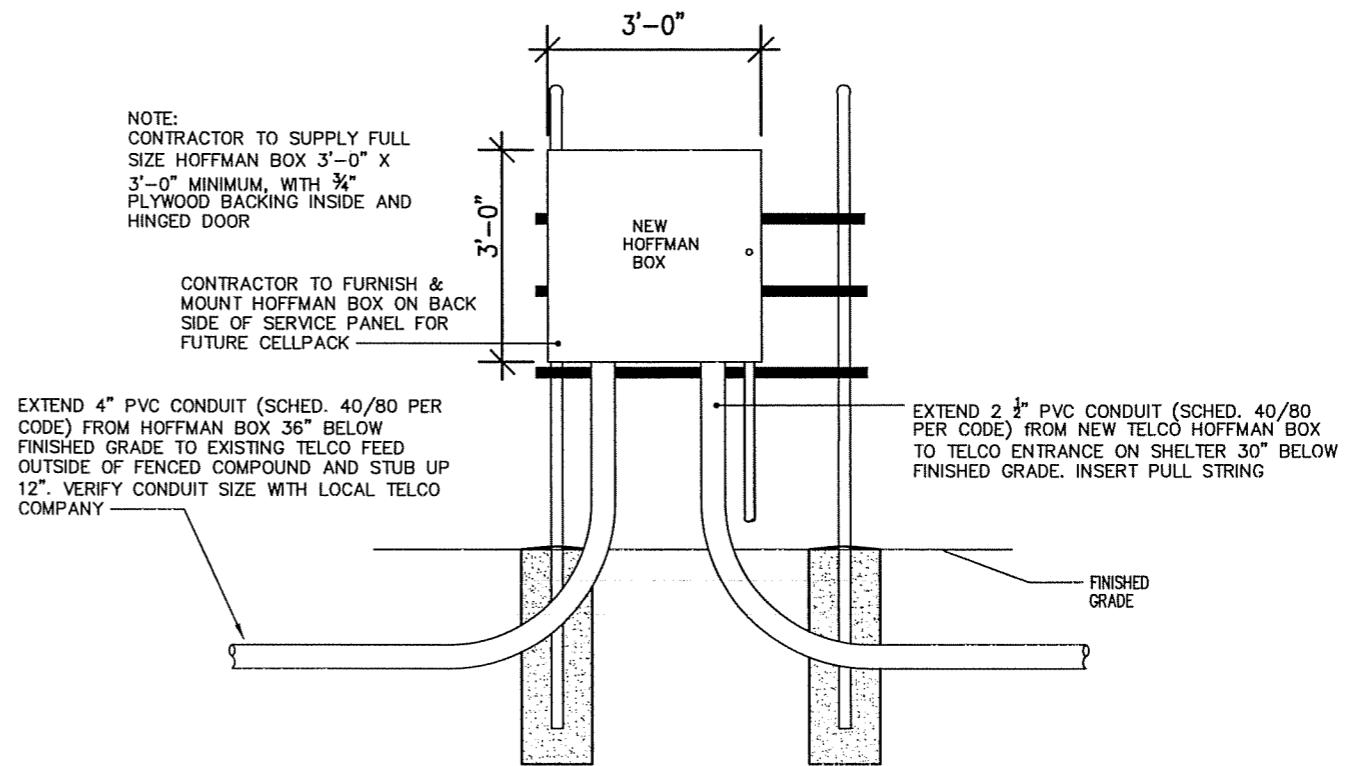


EXTEND (2) 3" PVC CONDUITS (SCHED. 40/80 per code) FROM SERVICE PANEL TO LOCAL UTILITY POLE 36" BELOW GRADE, FIELD VERIFY LOCATION (SEE HUB-BAND DETAIL), VERIFY WITH LOCAL UTILITIES FOR PVC SCHEDULE AND RADIUS LIMITATIONS

NOTE:
EXTEND (3) 3/0 IN FIRST CONDUIT AND ELECTRIC GRADE PULL STRING IN SECOND. EXTEND BOTH TO LOCAL POWER POLE AND STUB UP 24". CAP OFF & SEAL PULL STRING CONDUIT. PROVIDE 20' SCHED. 80 & WEATHERHEAD

SERVICE BOARD DETAIL

NO SCALE



NOTE:
CONTRACTOR TO SUPPLY FULL SIZE HOFFMAN BOX 3'-0" X 3'-0" MINIMUM, WITH 3/4" PLYWOOD BACKING INSIDE AND HINGED DOOR

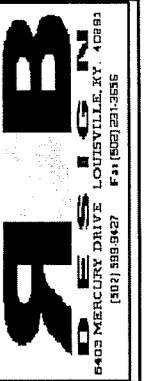
CONTRACTOR TO FURNISH & MOUNT HOFFMAN BOX ON BACK SIDE OF SERVICE PANEL FOR FUTURE CELLPACK

EXTEND 4" PVC CONDUIT (SCHED. 40/80 PER CODE) FROM HOFFMAN BOX 36" BELOW FINISHED GRADE TO EXISTING TELCO FEED OUTSIDE OF FENCED COMPOUND AND STUB UP 12". VERIFY CONDUIT SIZE WITH LOCAL TELCO COMPANY

EXTEND 2 1/2" PVC CONDUIT (SCHED. 40/80 PER CODE) FROM NEW TELCO HOFFMAN BOX TO TELCO ENTRANCE ON SHELTER 30" BELOW FINISHED GRADE. INSERT PULL STRING

BACKBOARD DETAIL

NO SCALE



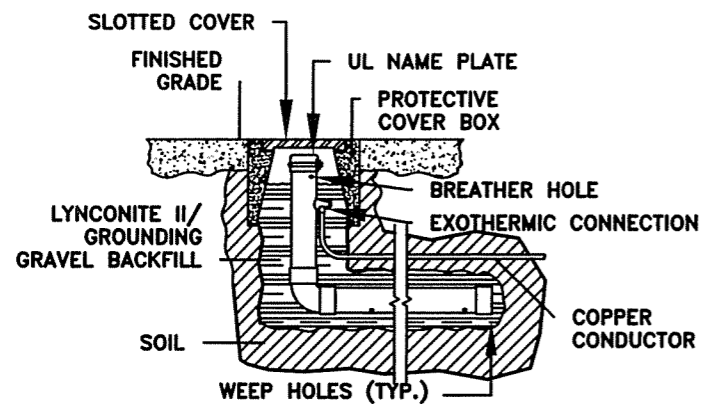
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST

NO.	DATE	REVISION

883 HOWARDSTOWN RD. RAYWICK, KY. 40060

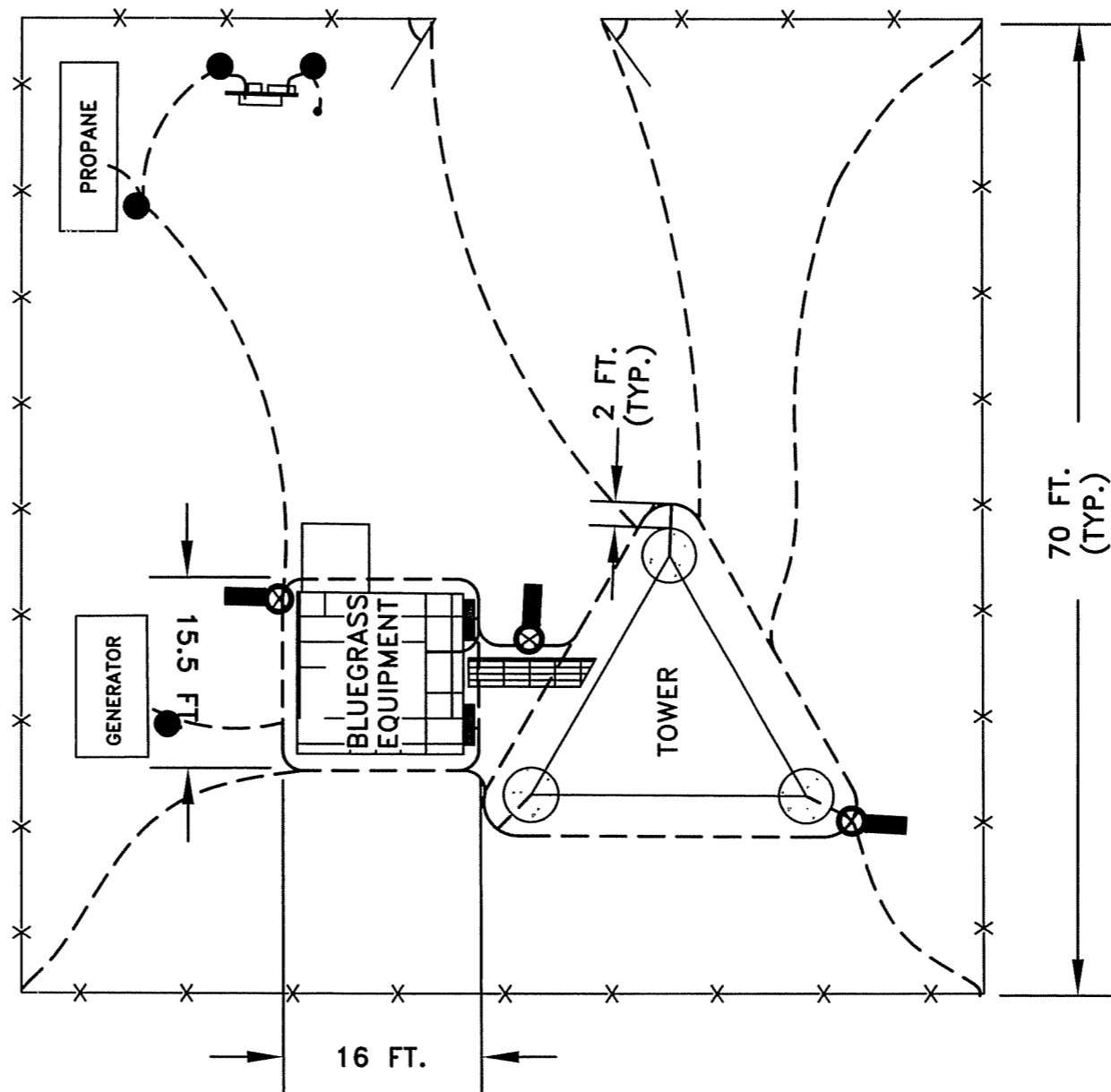
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ISSUE DATE: 1-09-11
SCALE: LISTED

SHEET NUMBER
E-2



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

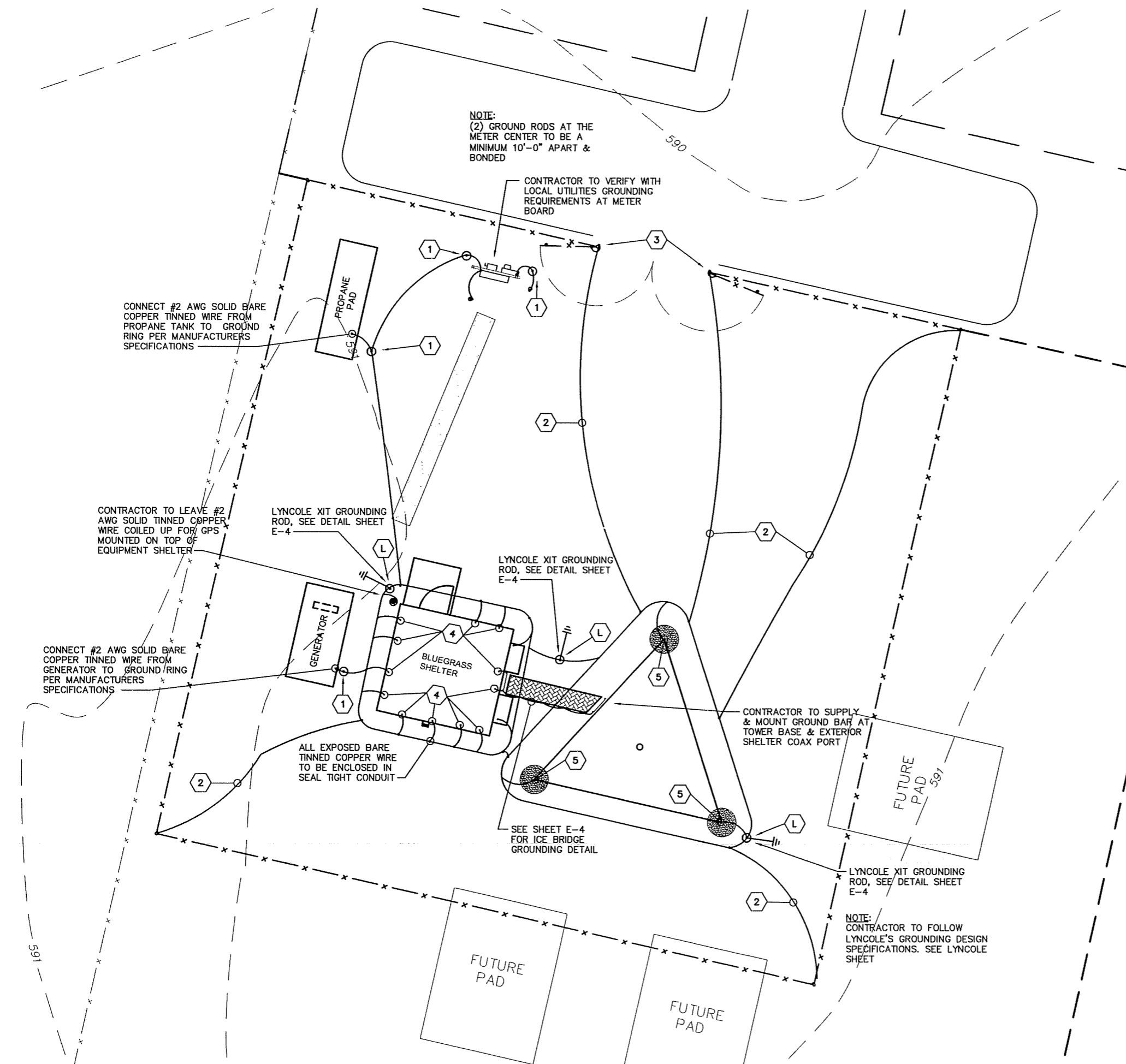
DETAIL



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
- ⊗ K2L-10CS-24 (SEE DETAIL)
- 3/4" X 10' DRIVEN ROD

		CLIENT / END USER	
		RSB DESIGN / BLUEGRASS CELLULAR	
DRAWING PROJECT NAME		1 BLUEGRASS CELLULAR - MARION WEST	
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
TERRACON		RAYWICK, KY	< 5 OHMS
REFERENCE NUMBER		DRAWN BY	APPROVED BY DATE
N/A		RFW	[Signature] 02/04/2011
SCALE		LTS NUMBER	
NONE		110021	



GENERAL ELECTRICAL NOTES:

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- 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.
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- 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.

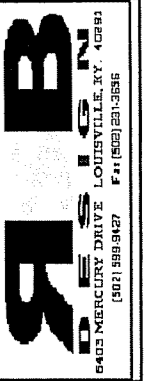
NOTE:
CONTRACTOR TO FOLLOW LYNCOLES GROUNDING SPECIFICATIONS WHEN USING THEIR XIT GROUNDING RODS. SEE DETAIL SHEET E-4.

KEYNOTES:

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

SITE PLAN-GROUNDING

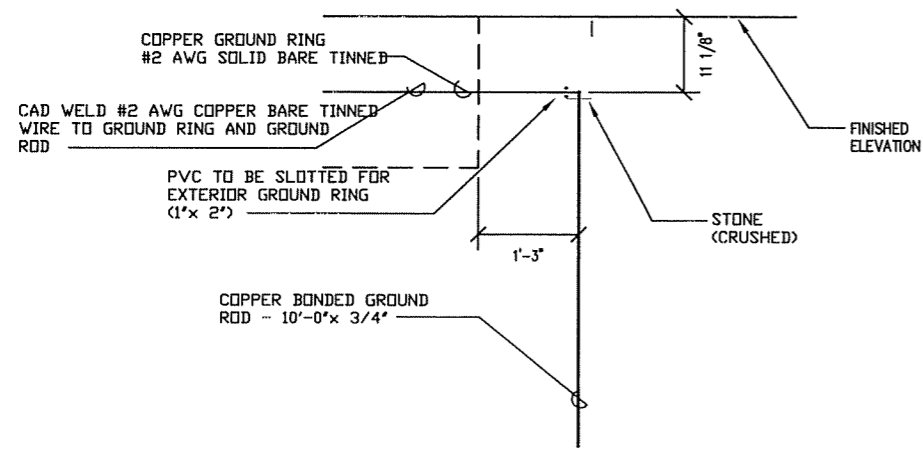
SCALE: 3/32" = 1'-0"



NO.	DATE	REVISION

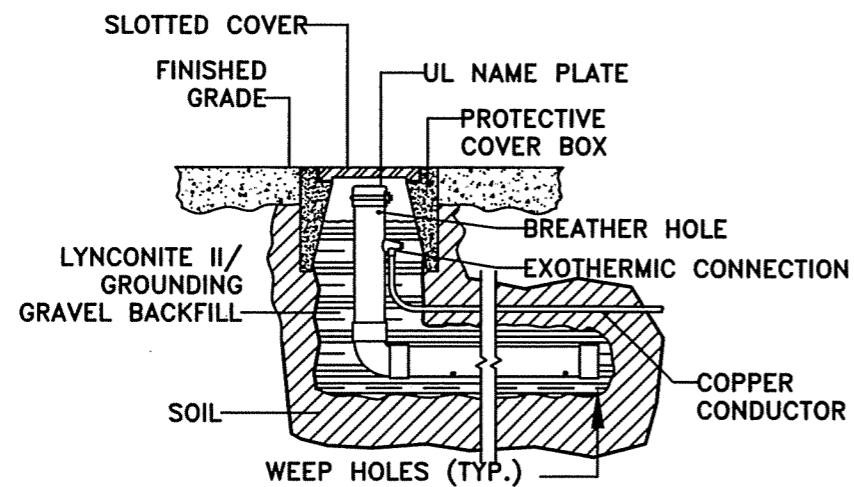
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
883 HOWARDSTOWN RD. RAYWICK, KY. 40060

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SHEET NUMBER E-3		



GROUND ROD DETAIL

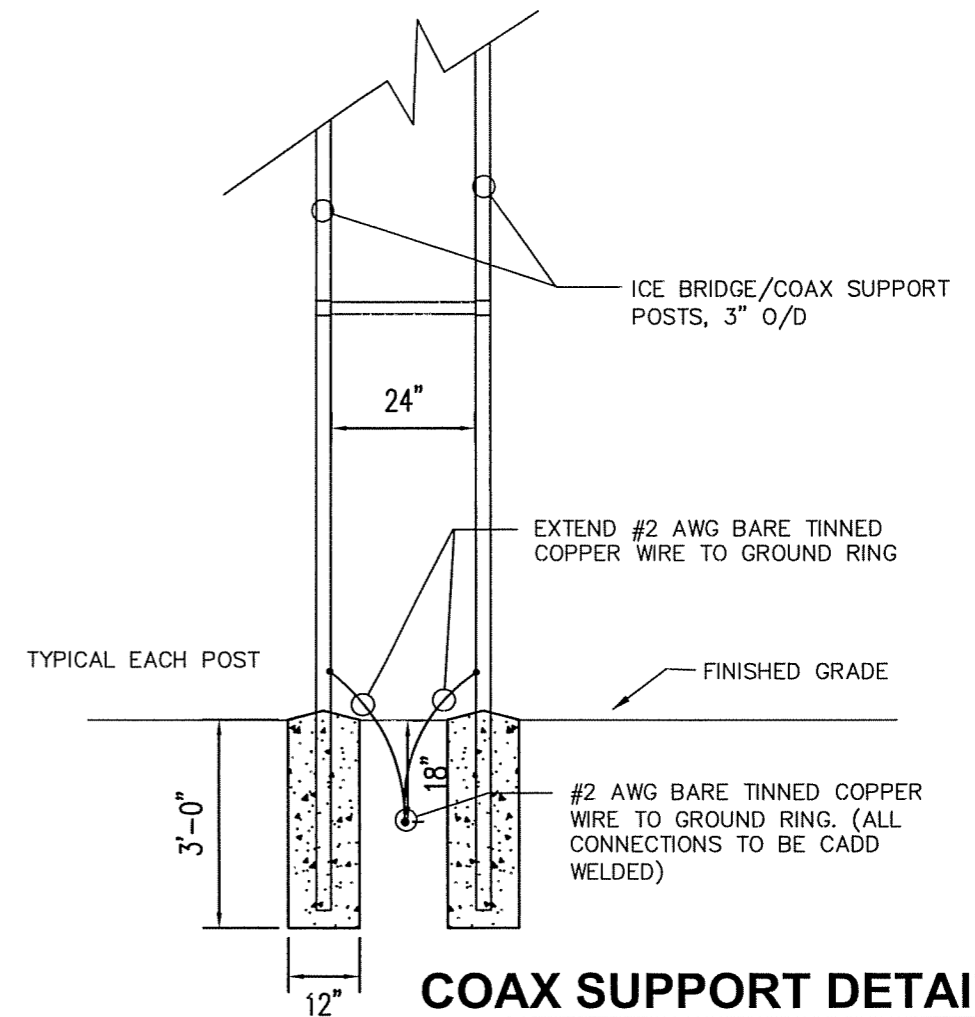
NO SCALE



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

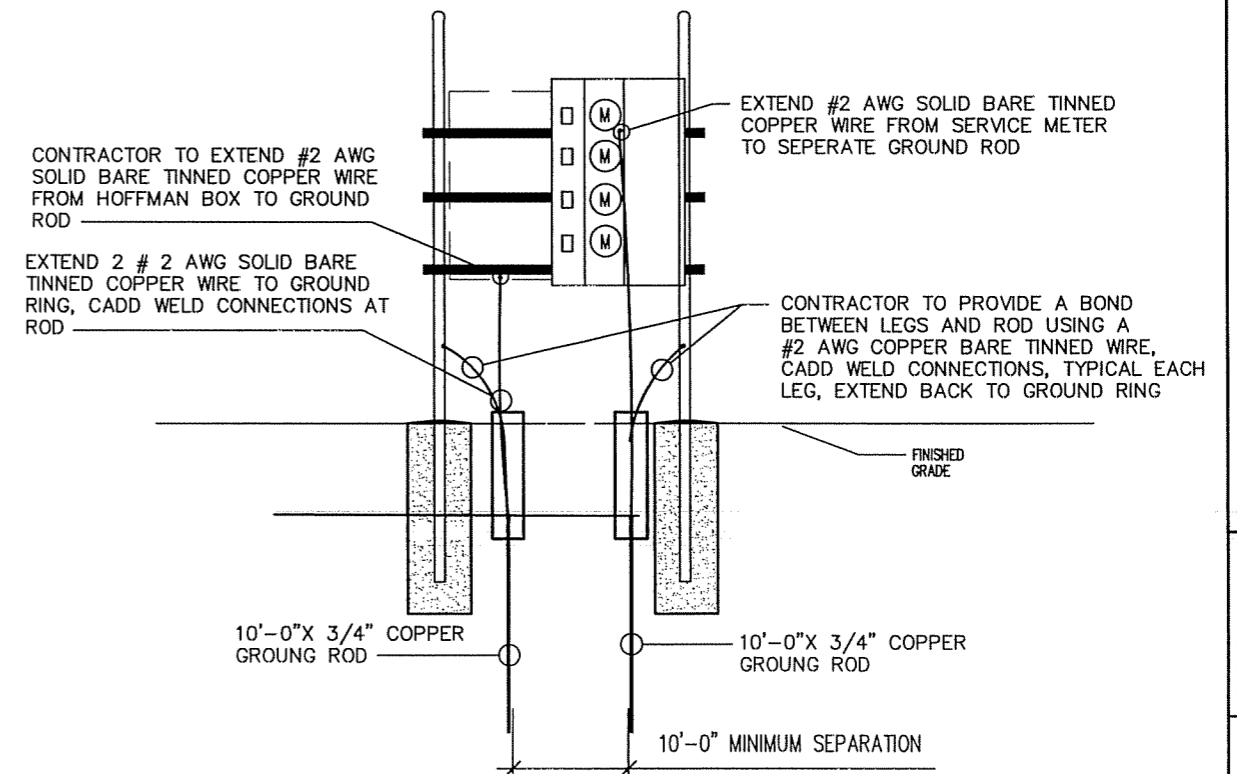
LYNCOLE XIT ROD DETAIL

NO SCALE



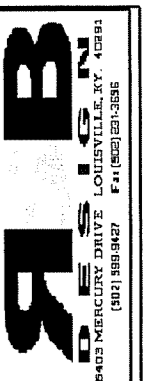
COAX SUPPORT DETAIL

NO SCALE



SERVICE BOARD DETAIL

NO SCALE

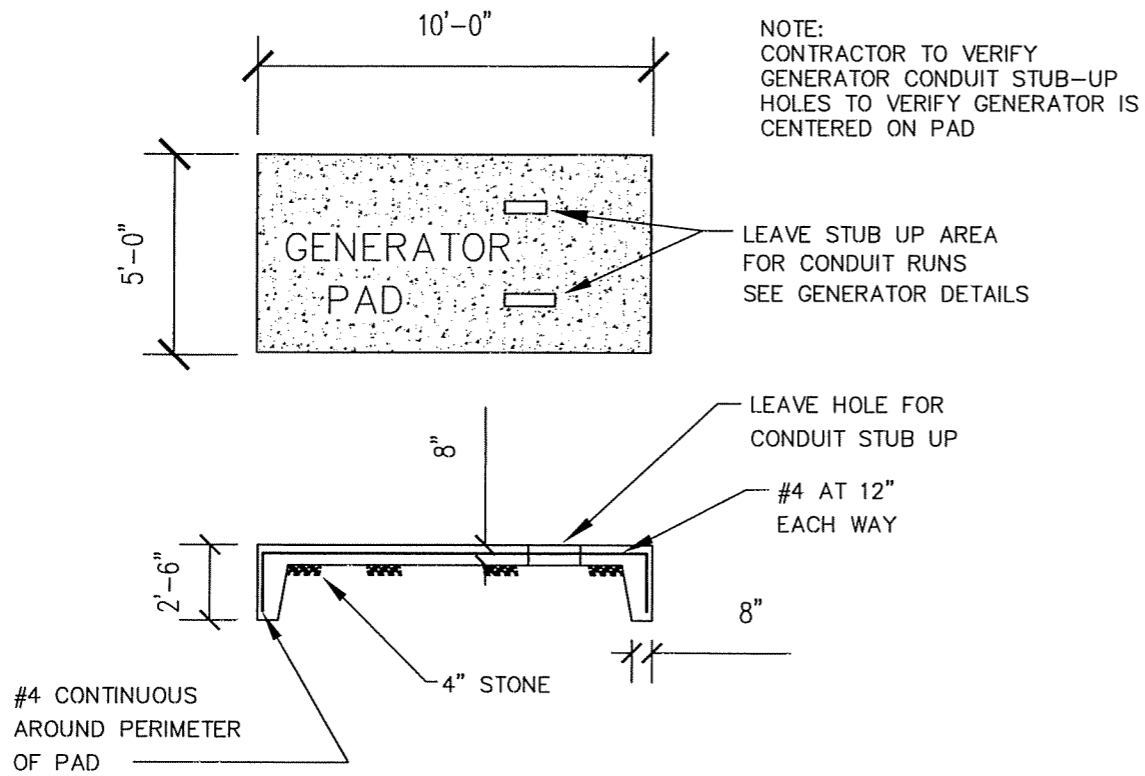


NO.	DATE	REVISION

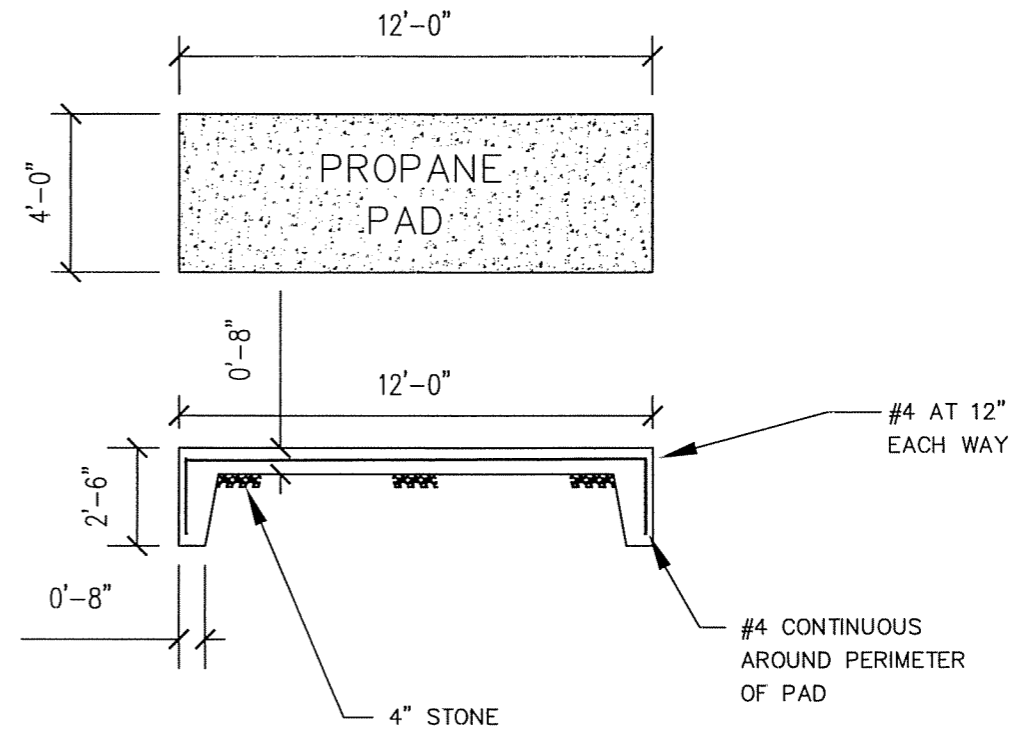
BLUEGRASS CELLULAR, INC.
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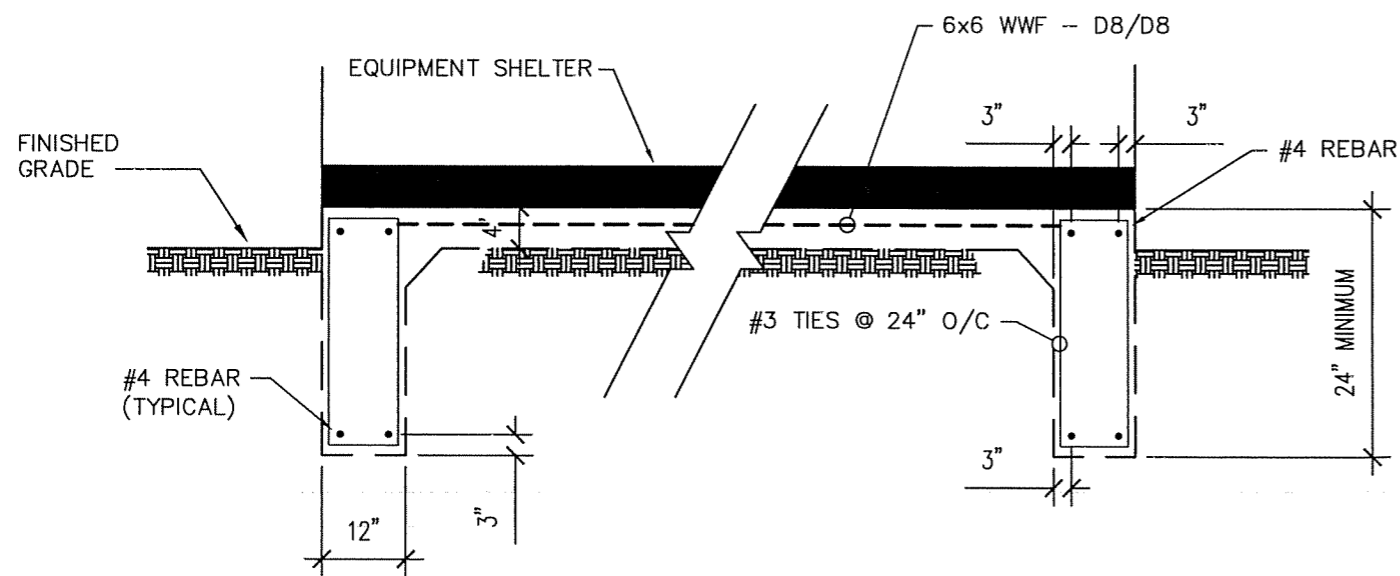
SHEET NUMBER
E-4



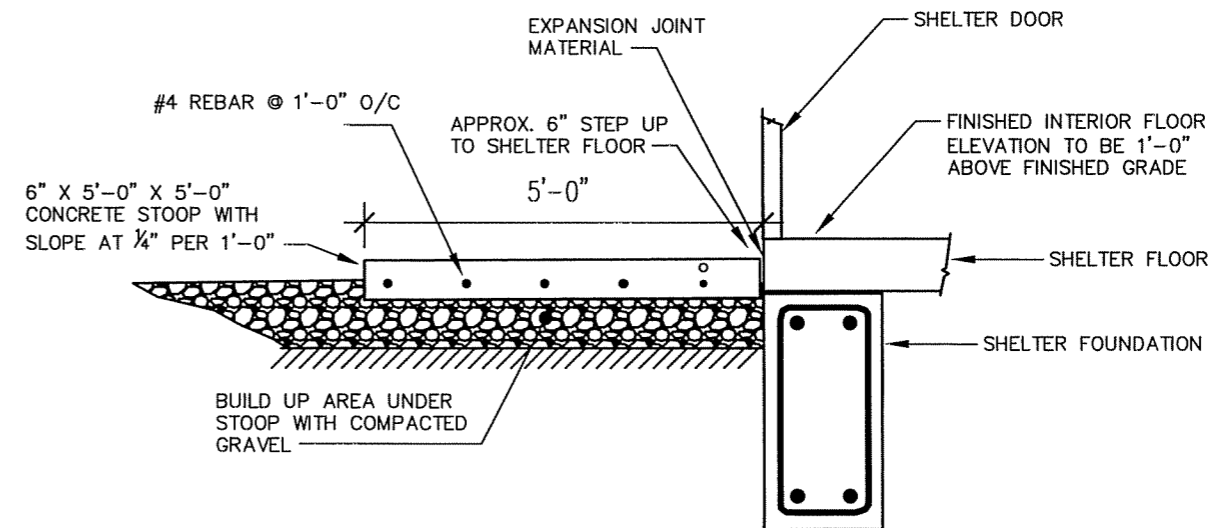
FOUNDATION DETAIL
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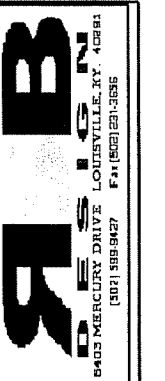
FOUNDATION DETAIL
NO SCALE



SHELTER FOUNDATION PLAN
NO SCALE



CONCRETE STOOP DETAIL
NO SCALE

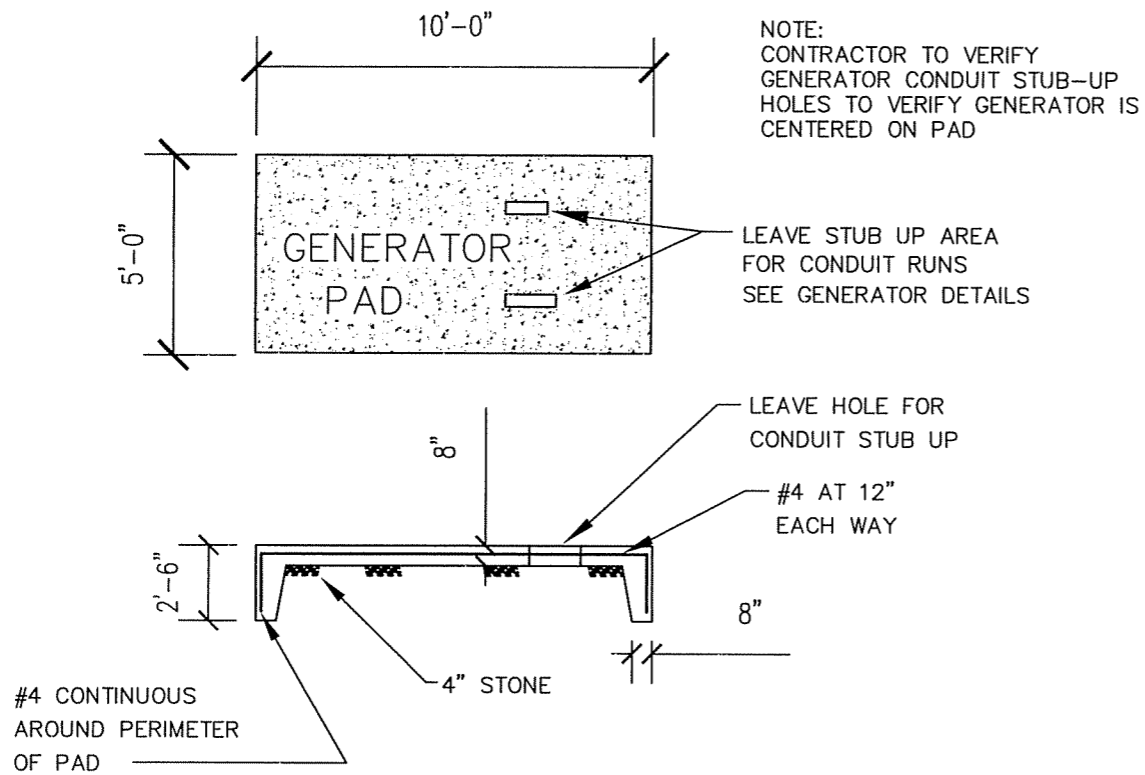


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
883 HOWARDSTOWN RD. RAYWICK, KY. 40060

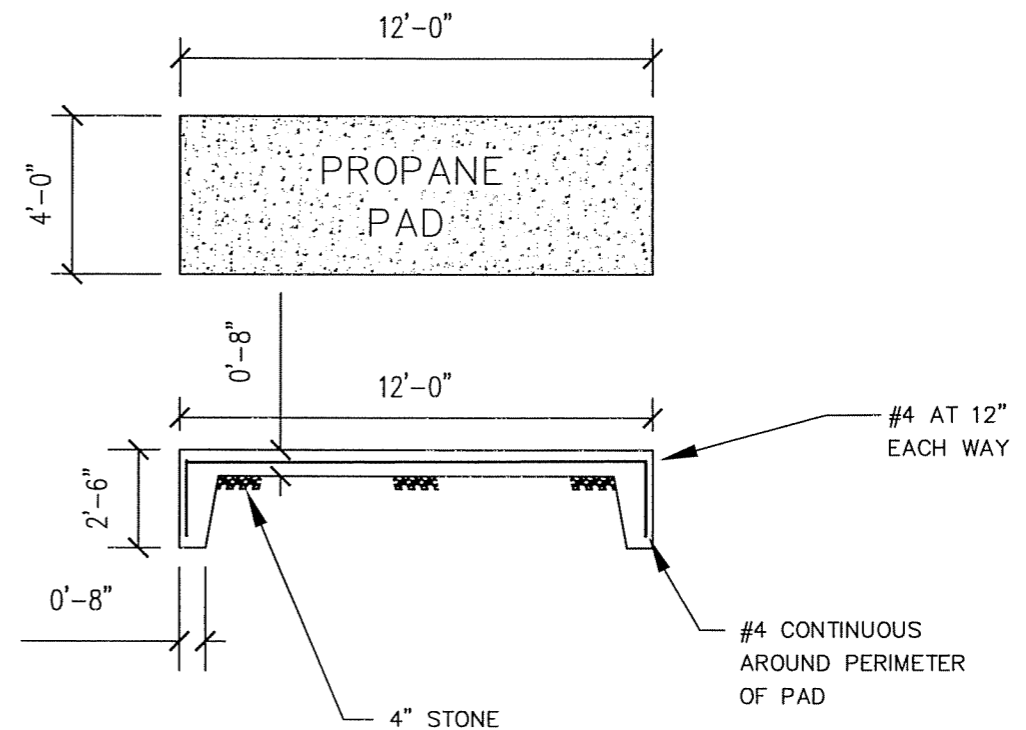
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ISSUE DATE: 1-09-11
SCALE: LISTED

SHEET NUMBER
S-1



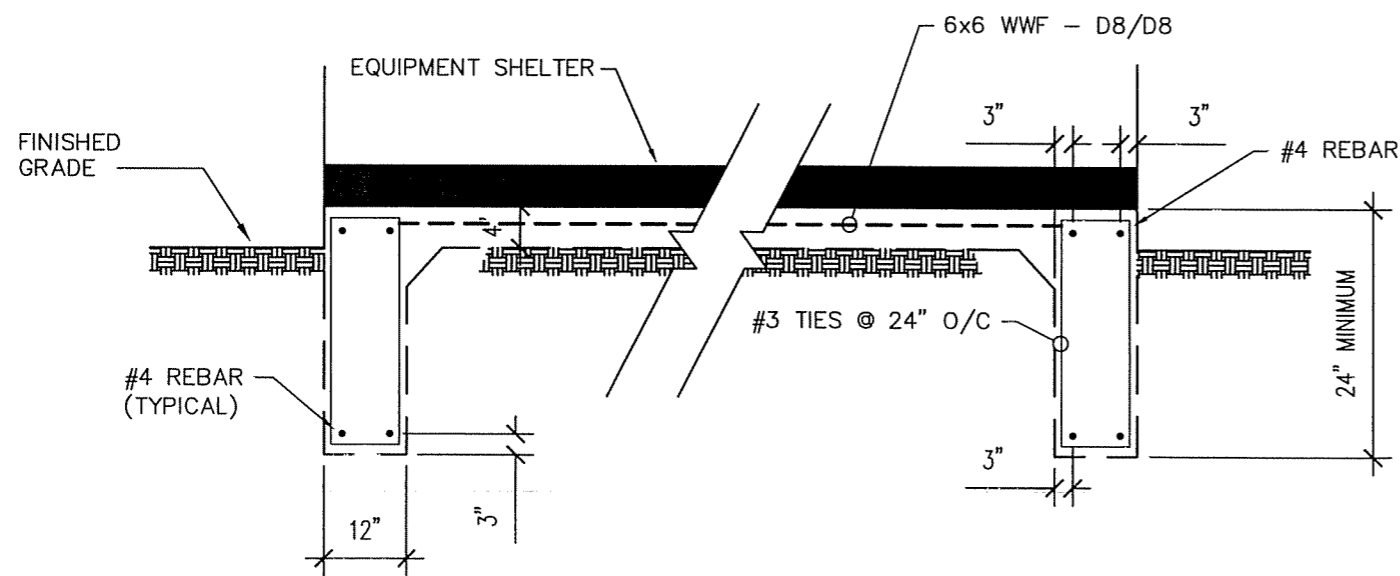
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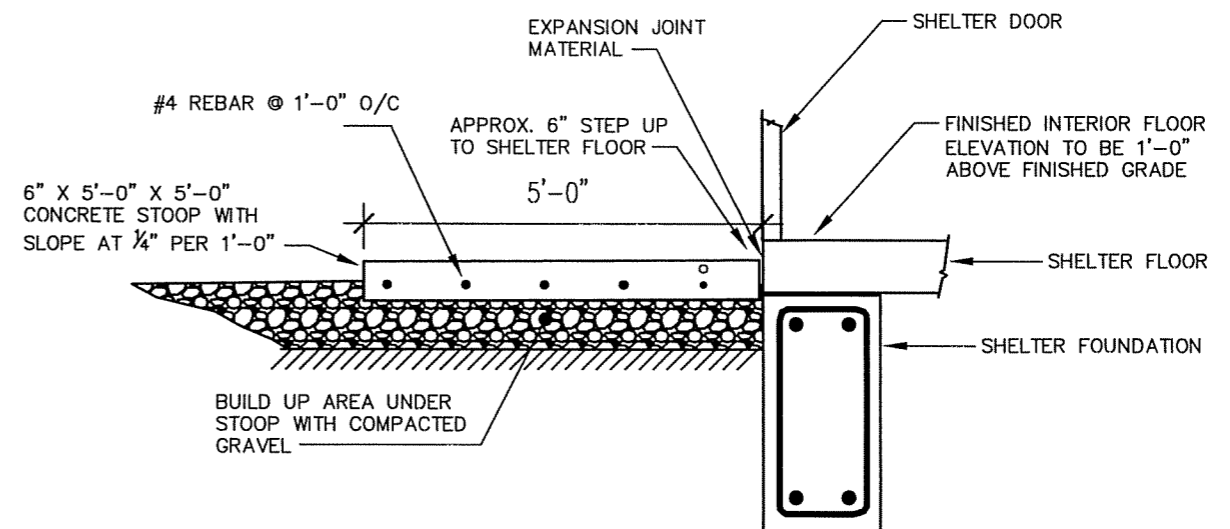
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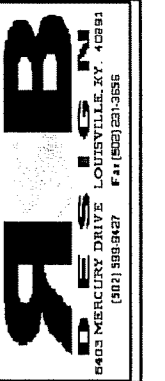
SHELTER FOUNDATION PLAN

NO SCALE



CONCRETE STOOP DETAIL

NO SCALE



BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST

NO.	DATE	REVISION

883 HOWARDSTOWN RD. RAYWICK, KY. 40060

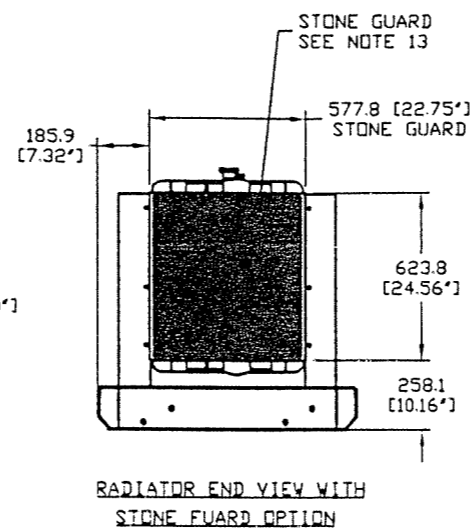
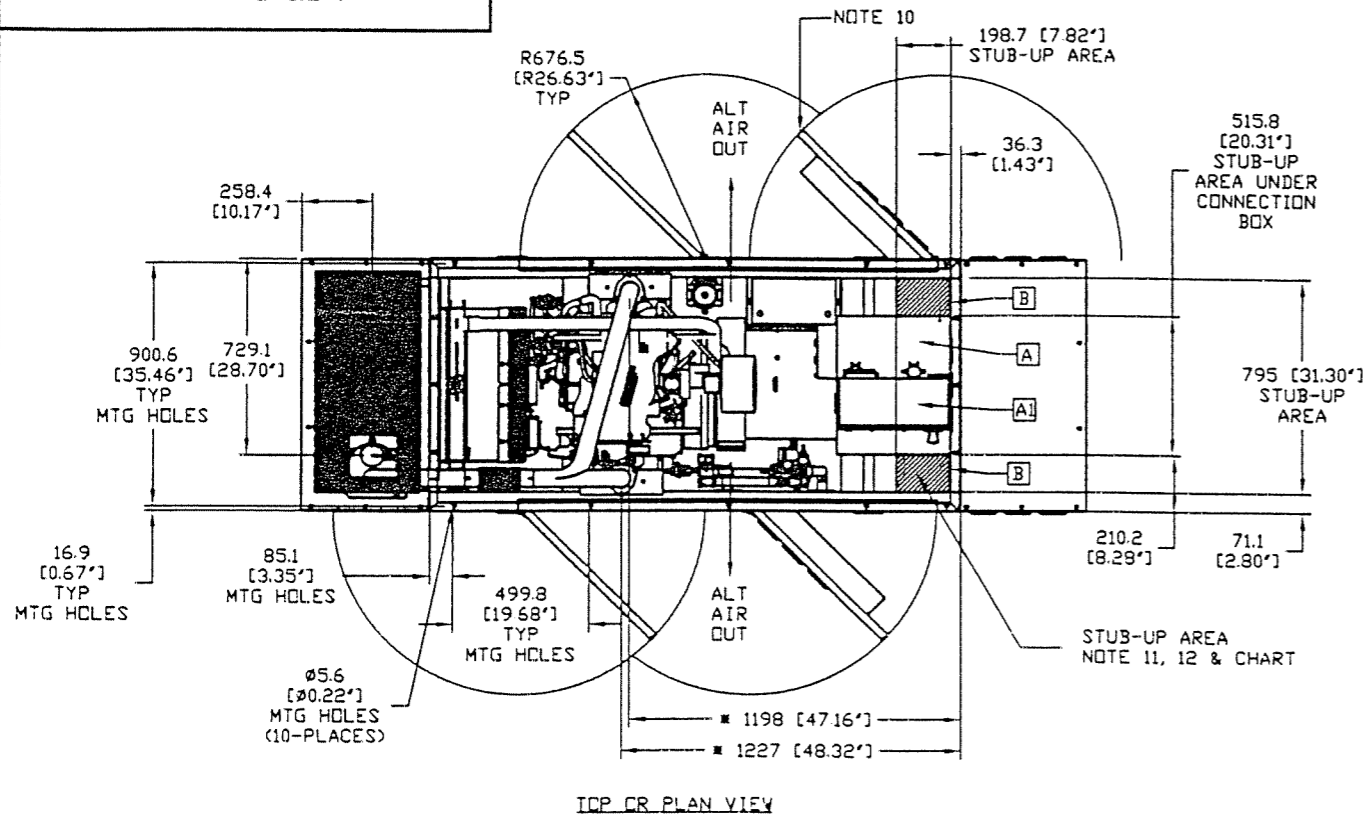
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ISSUE DATE: 1-09-11
SCALE: LISTED

SHEET NUMBER
S-1

0G7627

ENGINE SERVICE CONNECTIONS

INLET L/P GAS = 3/4" NPT COUPLING
 INLET NATURAL GAS = 3/4" NPT COUPLING
 OIL DRAIN = 1/2" NPT COUPLING
 EXHAUST OUTLET - EXHAUST MANIFOLDS AS SHOWN
 ON OPEN SET, 3" OD MUFFLER
 OUTLET WITH ENCLOSURE



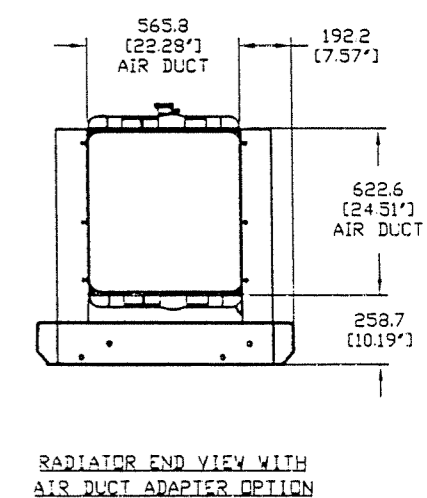
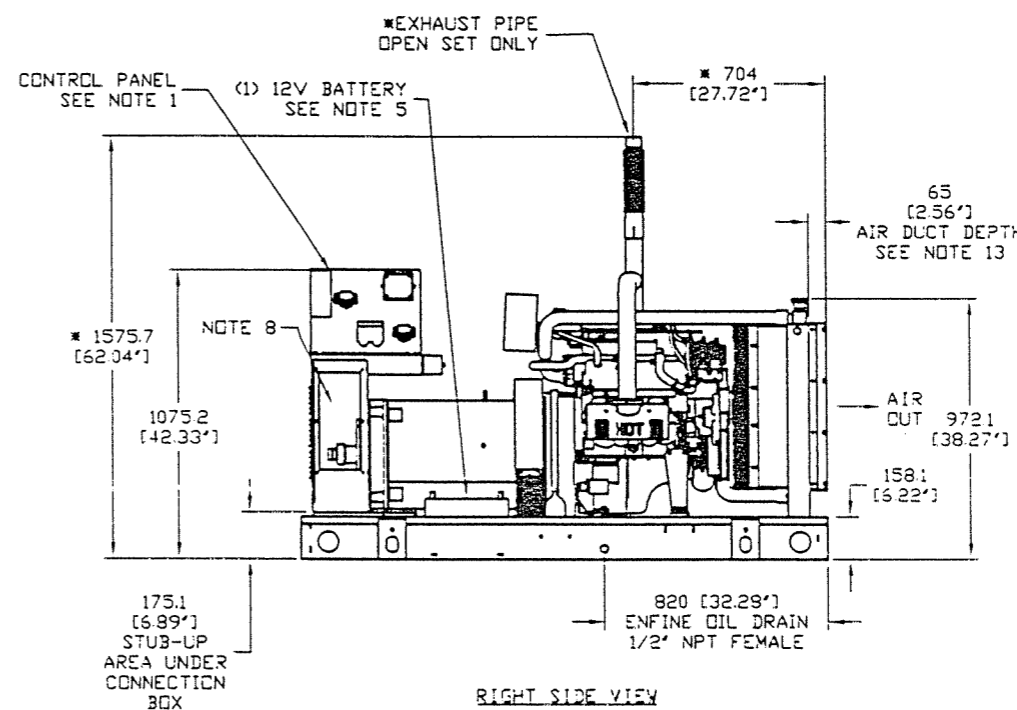
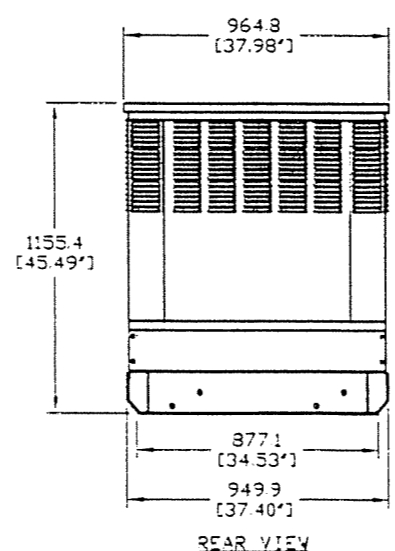
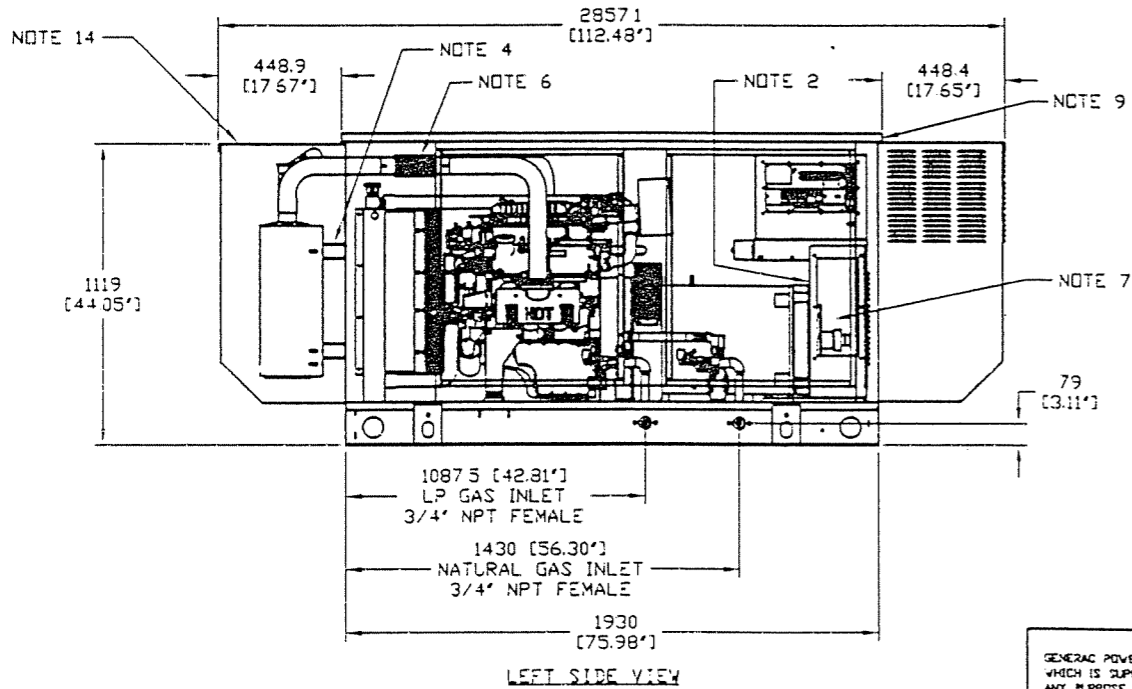
RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)

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.



APPLICABLE TO 4.5L G3 35, 40 & 45KW

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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. 53137

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

INSTALLATION DRAWING

GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS INCURRED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.
- 5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
- 7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.
- 8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.
- 9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.
- 10) CONTRACTOR, ANY CONTRACTOR EMPLOYEES OR REPRESENTATIVES, OR SUB-CONTRACTOR, ANY SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL CONFORM TO ALL LAWS AND REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO, ALL OCCUPATIONAL SAFETY AND HEALTH ACT ("OSHA") STATUTES AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTOR.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
- 12) THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK NECESSARY TO REPAIR DAMAGED AREAS.
- 13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.
- 14) CONTRACTOR'S RESPONSIBILITIES REGARDING BUILD OUT ON FIBREBOND EQUIPMENT SHELTERS TO INCLUDE:
 - * INSTALLING THE DOOR CANOPY & BOND TO DOOR FRAME
 - * INSTALLING EXTERIOR LIGHT ON WALL DETERMINED BY PROJECT SUPERVISOR AND PHOTOCCELL REQUIREMENTS
 - * INSTALLING INTRUDER ALARMS
 - * CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
 - * ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
 - * INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
 - * INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
 - * CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
 - * INSTALL GUTTER SYSTEM
 - * CHECK OPERATION OF ENVIRONMENTAL CONTROLS AND HVAC UNITS
 - * INSTALL AND PAINT SHELTER TIE-DOWNS TO MATCH
- 15) INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- 16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

- 17) GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.
- 18) GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- 19) GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- 20) GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.
- 21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP. PREFERRED SUPPLIERS ARE EMPIRE & AMERIGAS
- 22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.
- 23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- 24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- 25) GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-6315
- 26) GC TO LABEL BLUEGRASS CELLULAR METER WITH NAME PLATE ON METER BACKBOARD.
- 27) GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- 28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- 29) GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.
- 30) GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.
- 31) GC WILL BE RESPONSIBLE FOR HAVING A CERTIFIED ELECTRICIAN HOOK UP THE BATTERIES (IMMEDIATELY) AFTER POWER HAS BEEN TURNED UP AT THE SITE, PREVENTING THE DELAY OF ANY WORK FOR OPERATIONS. THE GENERAL CONTRACTOR MUST NOTIFY THE PROJECT SUPERVISOR IMMEDIATELY AT THIS TIME SO HE CAN COORDINATE A CELL TECH TO BE ONSITE WHEN THIS OCCURS.
- 32) GC WILL BE RESPONSIBLE FOR RUNNING (CAT5) FROM THE GENERATOR ALARM PANEL MOUNTED ON THE SIDE OF THE TRANSFER SWITCH (BY THE CONTRACTOR), THROUGH THE TRANSFER SWITCH AND UP TO THE EXISTING CONDUIT BESIDE THE A/C POWER FAIL RELAY. THE (CAT5) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CAT5) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.
- 33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).
- 34) GC MUST DISPLAY FCC TOWER REGISTRATION NUMBER AND EMERGENCY PHONE NUMBERS ON 3'-0 X 4'-0" MINIMUM WOODEN BACKBOARD SOMEWHERE ON SITE LOCATION PRIOR TO BREAKING GROUND.

GRADING & EXCAVATING NOTES:

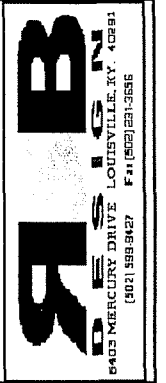
- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 2) PREPARATION FOR FILL: REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 3) BACK FILLING:
 - EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
 - SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
 - SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.
- 4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
- 7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- 10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)
- 11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

"CALL BEFORE YOU DIG"

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

SYMBOLS LEGEND

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



NO.	DATE	REVISION

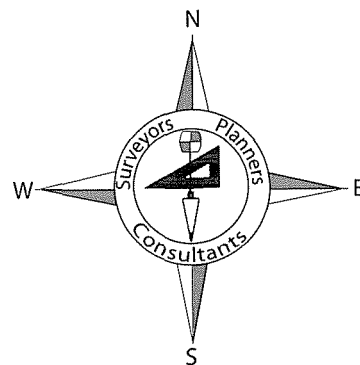
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
MARION WEST
 883 HOWARDSTOWN RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER
 ISSUE DATE: 1-09-11
 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 Marion County, Kentucky

Marion West Site

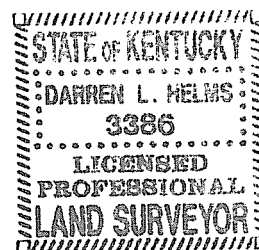
From the intersection of U.S. Highway 68 (Main Street) and Kentucky Highway 49 (Proctor Knott Avenue) in downtown Lebanon, Kentucky: travel northwesterly on Kentucky Highway 49 for 1.3 miles to Kentucky Highway 84, which is immediately after passing the KY 2154 bypass and the Hampton Inn; turn left onto Kentucky Highway 84 and travel west for 10.1 miles to downtown Raywick; continue through Raywick on Kentucky Highway 84 for 0.9 miles to a lane on the south side of Kentucky Highway 84; turn left onto the lane and travel southerly for about 1,200 feet to the tower site in a pasture. The address of the site is 883 Howardstown Road, Raywick, Kentucky 40060.

Darren L. Helms

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

DEC. 31, 2010

Date



Marion West:

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 1st day of November, 2010, by and between Walter E. Abell, III and Connie M. Abell, whose address is 885 Howardstown Road, Raywick KY 40060 (the "Optionor (s)" and Kentucky RSA 4 Cellular General Partnership, d/b/a Bluegrass Cellular a Kentucky general Partnership with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in Marion 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.

Marion West:

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 5-1-12, (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.

Marion West:

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

Marion West:

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.

Marion West:

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: 885 Howardstown Road, Raywick, KY 40060; the Optionee's address shall be: 2902 Ring Road, Elizabethtown, KY 42701. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Marion 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

Marion West:

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.

B

Marion West:

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.

Marion West:

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

[Remainder of Page Intentionally Left Blank]

Marion West:

EXECUTION OF AGREEMENT(S)

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

10-28-10

Date: Walter Abell III

Connie M. Abell

Date: 10-28-10

("Optionor(s)")

By: Walter E. Abell III and
Connie M. Abell
Property Owner(s)

[Signature]

Date: 11/1/10

("Optionee")

By: Ron Smith
Authorized Representative

STATE OF KENTUCKY

COUNTY OF MARION

The foregoing instrument was acknowledged before me this 28th day of OCTOBER, 2010, by Walter E. Abell III to be his/her free act and deed.

[Signature]

NOTARY PUBLIC STATE AT LARGE

My commission expires: 2-27-2014

Marion West:

STATE OF KENTUCKY
COUNTY OF MARION

The foregoing instrument was acknowledged before me this 28th day of OCTOBER,
2010, by Connie M. Abell to be his/her free act and deed.

Healy S. Seagriff

NOTARY PUBLIC STATE AT LARGE

My commission expires: 2-27-2014

STATE OF KENTUCKY
COUNTY OF HARDIN

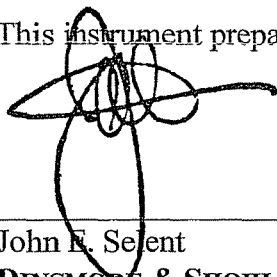
The foregoing instrument was acknowledged before me this 1st day of NOVEMBER,
2010, by **Ron Smith**, to be his free act and deed.

Jeff M. Brewer

NOTARY PUBLIC STATE AT LARGE

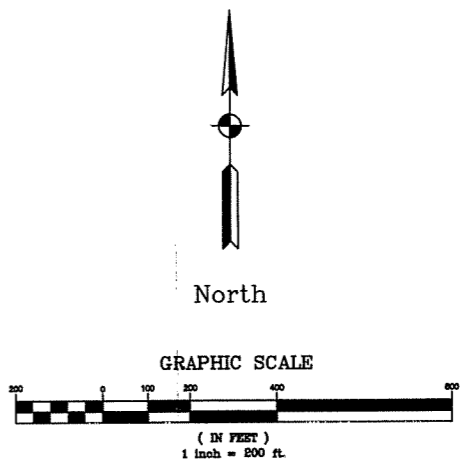
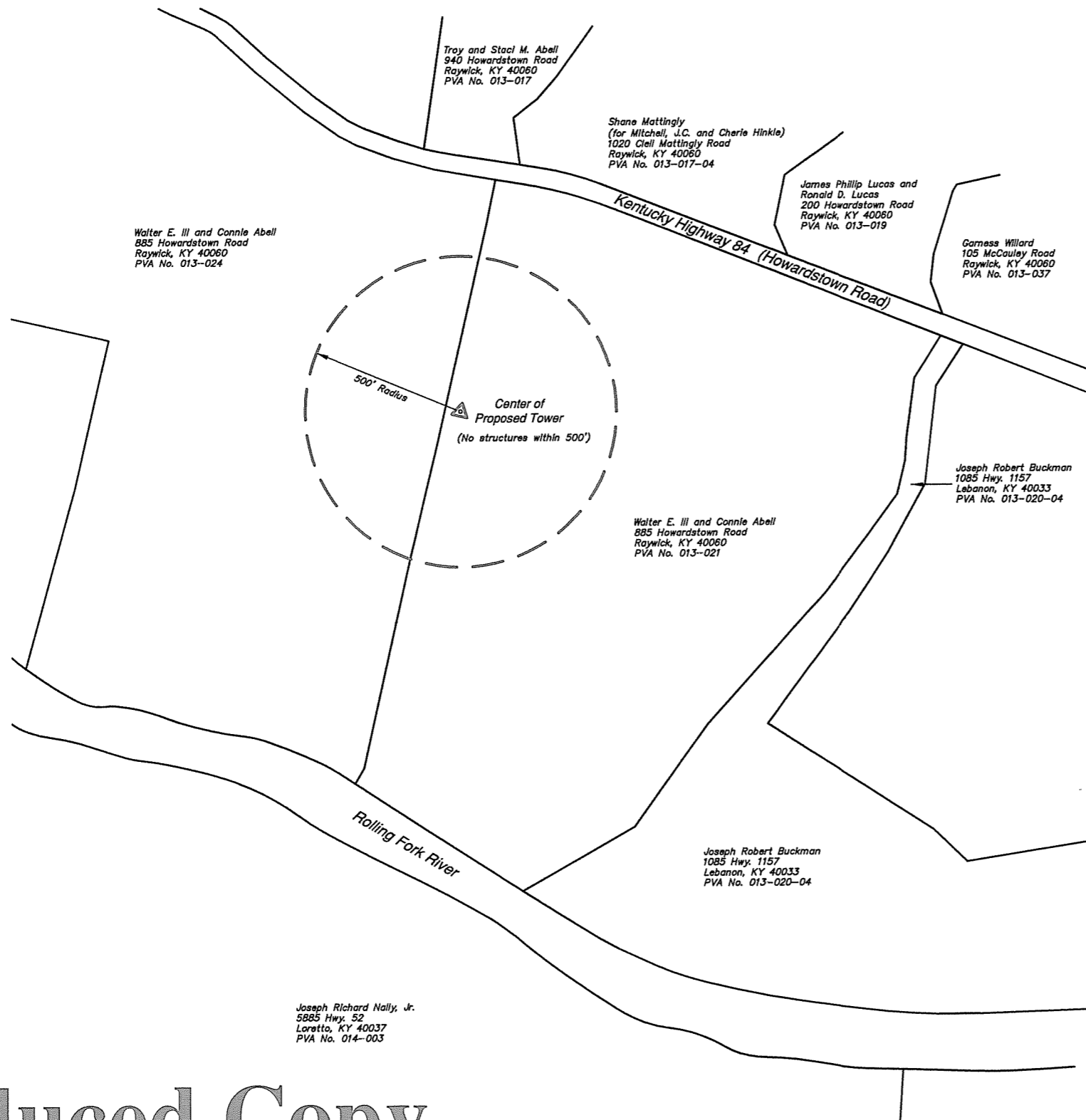
My commission expires: 7-23-13

This instrument prepared by:



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

Site: Marion West
500-Foot Radius Map for Structures and Landowners
Marion 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 Marion 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 Marion County, Kentucky on December 9, 2010.

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

DEC. 31, 2010
 Date

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

Reduced Copy

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0950
 Email: landmark@landmark.net
 Project No. 10-12-0183
 © 2010

North

500-Foot Radius Map
 883 Howardstown Road
 Raywick, Kentucky 40060

Bluegrass Cellular
 2902 Ring Road
 Elizabethtown, Kentucky 42701

REVISIONS	DATE

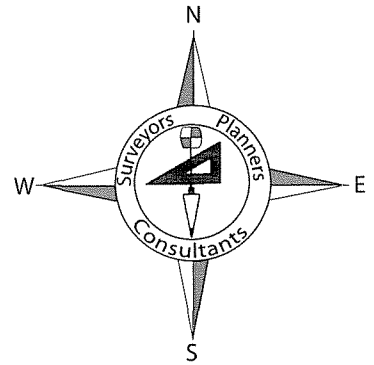
DATE 12-31-10	DRAWN BY A. Winkler	CHECKED BY D.L. Helms
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SHEET NO.
1
 OF 1 SHEETS

FILE NO.
 marion-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

Marion West Site

Joseph Richard Nally, Jr.
5885 Hwy. 52
Loretto, KY 40037

Joseph Robert Buckman
1085 Hwy. 1157
Lebanon, KY 40033

Garness Willard
105 McCauley Road
Raywick, KY 40060

James Phillip Lucas and
Ronald D. Lucas
200 Howardstown Road
Raywick, KY 40060

Shane Mattingly
(for Mitchell, J.C. and Cherie Hinkle)
1020 Clell Mattingly Road
Raywick, KY 40060

Troy and Staci M. Abell
940 Howardstown Road
Raywick, KY 40060

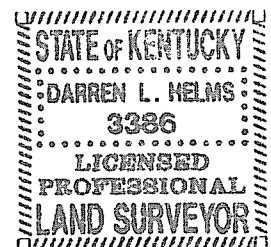
Walter E. III and Connie Abell
885 Howardstown Road
Raywick, KY 40060

Darren L. Helms

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

DEC. 31, 2010

Date



January 18, 2011

Joseph Richard Nally, Jr.
5885 Highway 52
Loretto, Kentucky 40037

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. 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 2011-00011 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 x <i>Richard Nally</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (<i>Printed Name</i>) <i>J</i> C. Date of Delivery <i>1-21-11</i></p>
<p>1. Article Addressed to:</p> <p><i>Joseph Richard Nally Jr. 5885 Highway 52 Loretto, KY 40037</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? (<i>Extra Fee</i>) <input type="checkbox"/> Yes</p>
<p>2. Article Number (<i>Transfer from service label</i>)</p>	<p>7010 1870 0003 0714 7815</p> <p>PS Form 3811, February 2004 Domestic Return Receipt 2595-02-M-1540</p>

January 18, 2011

Joseph Robert Buckman
1085 Highway 1157
Lebanon, Kentucky 40033

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. A map showing the location is attached.

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P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2011-00011 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 <i>Joseph Robert Buckman</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Joseph Robert Buckman</i></p> <p>C. Date of Delivery <i>1/18/11</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
1. Article Addressed to: <i>Joseph Robert Buckman 1085 Highway 1157 Lebanon, KY 40033</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
2. Article Number (Transfer from service label)	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
7010 1870 0003 0714 7808	

January 18, 2011

Garness Willard
105 McCauley Road
Raywick, Kentucky 40060

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. A map showing the location is attached.

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

Please refer to case number 2011-00011 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>Garness Willard</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee	
1. Article Addressed to: <i>Garness Willard 105 McCauley Rd. Raywick, KY 40060</i>	B. Received by (Printed Name) <i>GARNESS WILLARD</i>	C. Date of Delivery <i>1/20/11</i>
2. Article Number <small>(Transfer from service label)</small>	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 Merchandis. <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
7010 1870 0003 0714 7792		

January 18, 2011

James Phillip Lucas and
Ronald D. Lucas
200 Howardstown Road
Raywick, Kentucky 40060

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. A map showing the location is attached.

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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 2011-00011 in your correspondence.

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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>Phillip Lucas</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>PHILLIP LUCAS</i></p> <p>C. Date of Delivery <i>1/20/11</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
1. Article Addressed to: <i>James Phillip Lucas and Ronald D. Lucas 200 Howardstown Rd. Raywick, KY 40060</i>	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
2. Article Number (Transfer from service label)	7010 1870 0003 0714 7785

January 18, 2011

Shane Mattingly
(for Mitchell, J.C. and Cherie Hinkle)
1020 Clell Mattingly Road
Raywick, Kentucky 40060

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. A map showing the location is attached.

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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 2011-00011 in your correspondence.

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery SHANE MATTINGLY 01/18/11</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>Shane Mattingly (for Mitchell, J.C. & Cherie Hinkle) 1020 Clell Mattingly Road Raywick, KY 40060</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>7010 1870 0003 0714 7778</p>

January 18, 2011

Troy and Staci M. Abell
940 Howardstown Road
Raywick, Kentucky 40060

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.


Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. 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 2011-00011 in your correspondence.

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

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<p>1. Article Addressed to: Troy & Staci M. Abell 940 Howardstown Road Raywick, KY 40060</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>7010 1870 0003 0714 7761</p>

January 18, 2011

Walter E. III and Connie Abell
885 Howardstown Road
Raywick, Kentucky 40060

Public Notice

Kentucky RSA #4 Cellular General Partnership is a Kentucky general partnership that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for almost 20 years.

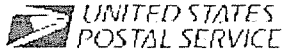
Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky, 40060. 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 2011-00011 in your correspondence.

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



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Track & Confirm

Search Results

Label/Receipt Number: **7010 1870 0003 0714 7754**

Service(s): **Certified Mail™**

Status: **Delivered**

Enter Label/Receipt Number.

Your item was delivered at 3:38 pm on January 20, 2011 in RAYWICK, KY 40060.

Detailed Results:

- **Delivered, January 20, 2011, 3:38 pm, RAYWICK, KY 40060**
- **Notice Left, January 20, 2011, 1:08 pm, RAYWICK, KY 40060**
- **Arrival at Unit, January 20, 2011, 8:30 am, RAYWICK, KY 40060**

Track & Confirm by email

Get current event information or updates for your item sent to you or others by email.

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT <i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Postmark Here <i>Marion West</i>	
Sent To <i>Walter & Connie Abell</i>	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	
PS Form 3800, August 2005 See Reverse for Instructions	

7010 1870 0003 0714 7754

Dinsmore & Shohl LLP
ATTORNEYS

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

January 18, 2010

Via Certified Mail

Hon. John G. Mattingly
Marion County Judge Executive
223 North Spalding Avenue, Suite 201
Lebanon, Kentucky 40033

Re: *Application of Kentucky RSA #4 Cellular General Partnership d/b/a Bluegrass Cellular for a Certificate of Public Convenience and Necessity to construct a cellular tower to be located at 883 Howardstown Road, Raywick, Kentucky, 40060, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2011-00011*

Dear Judge Mattingly:

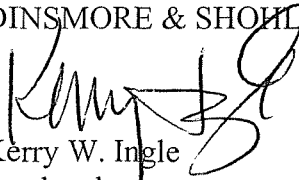
Kentucky RSA #4 Cellular General Partnership is a Kentucky General Partnership that markets its services as Bluegrass Cellular. Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #4 in Marion County. The facility will include a 240 ft. tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky 40060. A map showing the location of the proposed new facility is enclosed.

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

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2011-00011.

Very truly yours,

DINSMORE & SHOHL LLP


Kerry W. Ingle
Paralegal

enclosure

1400 PLC Plaza, 500 West Jefferson Street, Louisville, KY 40202
502.540.2300 / 502.585.2207 fax: www.dinslaw.com

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Hon. John B. Mattingly
 Marion County Judge Executive
 223 N. Spalding Avenue, Suite 201
 Lebanon, KY 40033

2. Article Number

(Transfer from service label)

7010 1870 0003 0714 7747

PS Form 3811, February 2004

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Handwritten Signature] Agent
 Addressee

B. Received by (Printed Name)

KEVIN COCHRAN

C. Date of Delivery

1-20-1

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

102595-02-M

PUBLIC NOTICE

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

TOWER

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

Project Manager:	Cellular Tower
Project Number:	10000000000000000000
Project Name:	10000000000000000000
Project Location:	10000000000000000000
Project Status:	10000000000000000000

Please refer to PSC
Case #2011-00011
in your correspondence.

PUBLIC NOTICE

**Kentucky RSA #4 Cellular
General Partnership proposes
to construct a cellular
communications**

TOWER

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

**Kentucky RSA #4 Cellular
General Partnership
P. O. Box 5812
7902 Ring Road
Hazard, Ky 40401**

or

**Executive Director,
The Public Service Commission
211 Tower Boulevard
P.O. Box 915
Frankfort, KY 40602**

**Please refer to P.S.C.
Case #2011-00011
in your correspondence.**

PUBLIC NOTICE

**Kentucky RSA #4 Cellular
General Partnership proposes
to construct a cellular
communications**

TOWER

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

**Kentucky RSA #4 Cellular
General Partnership
P. O. Box 5012
2002 King Road
Elmroethtown, KY 42701**

or

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

**Please refer to P.S.C.
Case #2011-00011
in your correspondence.**





PUBLIC NOTICE

Kentucky Wild and Cellular
Cooperating Partnership proposes
to construct a cellular
communications tower

TOWER

and this notice if you have any
questions please contact:

Project ID: 07-0001 Location: 0001
Project ID: 0002 Location: 0002
Project ID: 0003 Location: 0003
Project ID: 0004 Location: 0004
Project ID: 0005 Location: 0005

Please refer to P.S.C.
Case #2011-00011
in your correspondence.

The Lebanon Enterprise

119 S. Proctor Knott Ave. • Lebanon, KY 40033

Phone: (270) 692-6026 • FAX: (270) 692-2118

Editorial: editor@lebanonenterprise.com • Advertising: mblair@lebanonenterprise.com • Bookkeeping:
enugent@lebanonenterprise.com

AFFIDAVIT OF PUBLICATION

The following affidavit is to be executed by an officer of the newspaper attesting publication of legal advertisements as required under an Act of Kentucky Legislature of 1958.

Mary Anne Blair of Lebanon, Kentucky, being first duly sworn, says that she is Advertising Manager of The Lebanon Enterprise, a newspaper published in the State of Kentucky, County of Marion, and having general circulation in the County of Marion, and that the advertisement of which the annexed is a true copy has been published in said newspaper on the following dates, viz January 26 and Feb. 2, 2011.

Mary Anne Blair

Mary Anne Blair

Subscribed and sworn to before me, a Notary Public within and for the State and County aforesaid, by Mary Anne Blair to me personally known, this 2nd day of February, 2011. My commission expires the 6th day of February, 2013.

Eva Jo Watson-Nugent

Eva Jo Watson-Nugent
Notary Public, State At Large

132 Lots & Acreage

GOT LAND? If you do, we got a deal for you! Government programs available with rates starting at 4.875%, VA loans, free 42" LCD TV with all new homes. 1-800-837-0274

195 Items Wanted

WANTED TO BUY old stock from closed down stores and barns, men's clothing, shoes, signs, etc (571) 277-6096

300 Legals

ALLENS VIEW GROUP HOME does not discriminate because of race, creed, color, sex, age, national origin or handicap.

**Need A Friend?
Adopt A Pet!
Marion County Animal Shelter
(270)692-0464**

LINESCORES

SUNDAY

Marion County Youth Basketball League
8- & 9-Year-Old Boys
at St. Charles Middle School
CHAMPIONSHIP GAME
Pistons 43: Ty Walston 4, DeSean Taylor 14, Addison Hardin 1, Owen Mattingly 22, Jacob Hawkins 2.
Pacers 32: Trevor Douglas 17, Travis Wiser 14, Ashton Lanham 1.

Knicks 23: Ba Mason Sullivan 9, Darren O'Brya Wheatley 2.
Kings 28: Au: Bryce Spalding 6, Cade Thompson 7, Dalton Sibley

8- & 9-Year-Old Girls

at St. Charles Middle School
CHAMPIONSHIP GAME
Sparks 17: Savannah Benningfield 7, Lauren Ferrell 2, Savannah Johnson 3, Abby Scott 5.

Pacers 48: Tr: Travis Wiser 14, / 2, Spencer Riggs Gregory Blake 5,
Bucks 26: Be: Jamison Epps 15

Dream 20: Brooke Smith 5, Grace Farmer 1, Carrington McKay 4, Dalyn Spalding 7, Abigail Bramel 2, Shelby Stout 1.

RO
Pistons 35: T DeSean Taylor 5, Owen Matting Scott 1, Trace M: Hawkins 2.

Bulls 26: Zan Chase Miles 3, R Ryan Lee Hayes 6, Clay Callahan 2.

SATURDAY

Marion County Youth Basketball League
8- & 9-Year-Old Boys
at St. Charles Middle School
ROUND 1

Pistons 37: DeSean Taylor 11, Christopher Craig 2, Addison Hardin 7, Owen Mattingly 5, Zeke-Scott 1, Trace Mayo 3, Logan Clayton 2, Jacob Hawkins 6.

Kings 23: Au Bryce Spalding: Cade Thompson 8, Channing You
Pacers 33: Tr Travis Wiser 13, 2, Zach Poynter

Suns 13: Conner Cornish 2, Andrew Keltly 1, Davis Rafferty 10.

Sonics 20: Ethan Woods 2, John Adams 9, Koby Scott 3, Tanner Roeder 1, Patrick Edelen 5.

Bulls 30: Ryan Lee Hayes 2, Austin Smith 15, Clay Callahan 10, Andrew Newton 1, Dalton Sallee 2.

8- & 9-Yea
at St. Charles
ROL
Sparks 27: S Benningfield 4, 1, Taylor Webb Johnson 6, Abb

Fever 24: Ca 13, Emily Helms Thomas 1, Isabe 1, Jessica Miles Bagwell 1.

Dream 14: E Brooke Smith 4 1, Dalyn Spaldin

#015 Kevvy W Single / Legal 2/2

NOTICE

Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #4 of the Commonwealth of Kentucky (Marion West Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky 40060. 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. 2011-00011 in your correspondence.

NOTICE

The Lincoln Trail District Board of Health at its last regular meeting on November 30, 2010 approved two ordinances for food service and retail food service establishments in Grayson, Hardin, LaRue, Marion, Meade, Nelson, and Washington Counties.

The first ordinance will require food service and retail food service establishments in the counties listed above to post food inspections within the establishment in a place conspicuous to the general public that is clearly visible upon entry into the establishment, as determined by an agent of the health department, and shall not be removed, defaced, covered or concealed from view of the customer. This ordinance shall go into effect on March 1, 2011.

The second ordinance will require all food service and retail food service establishments in the counties listed above to have a person in charge at the food establishment during all hours of operation, and that the person in charge shall successfully obtain certification in basic food safety through nationally accredited food safety education programs or local health department courses. This ordinance shall go into effect on September 1, 2011.

You may view these ordinances at ltdhd.ky.gov or for information you may contact Sara Jo Best, Environmental Director, Lincoln Trail District Health Department, at 270-769-1601.

Service Guide

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Residential Commercial
Greg Riley

Marion is Avail

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CDL-A Drivers- \$1,000 bonus. Dedicated solo run Maryland to Arkansas w/ relay in Eastern Kentucky. Home weekly. Up to 40 cpm. Need Hazmat Endorsement. 1-800-835-9471 www.expresswaygroup.com

DRIVERS: CDL-A Flatbed Drivers Needed! Sign-On Bonus Available! Great pay & Benefits! Ask about lease purchase. OTR experience Required. HornadyTransportation.com 800-441-4265

FLATBED DRIVERS: Company & O/O. No Tarping, Company Drivers up to 27%, O/O 75% of gross. Home Weekends, Guarantee Minimum Pay. 800-554-5661 x331 awltransport.com

OUTSTANDING INSURANCE
Management Opportunity, Busy Insurance Executive with Bankers Life & Casualty needs someone to personally learn all aspects of the business. Looking for qualified individuals able to make decisions, be of good moral character, and eager to learn. Begin as an entry-level insurance sales representative that could lead to a management position within six months to a year. Earn \$40,000 to \$60,000 within your first year.
 This position offers unlimited upward mobility for someone who works hard and is determined to succeed. To schedule interview, please call Paul Bush, at 866-926-1227. EOC M/F/H/D RA 06-035

97 Child Care

IT IS THE PARENTS' OR Guardians' responsibility to carefully check the credentials of potential child-care providers. The Lebanon Enterprise does not require

110 Sales
GOT LAND? If you own land and need a singlewide or doublewide home, there's a special program for you! It's easy to qualify and FREE to apply! Call for FREE info. Toll-free 1-866-828-0184.

120 Apartments For Rent
1 BEDROOM - Lebanon city limits. Stove, refrigerator, washer, dryer, furnished, \$350 month plus deposit. Pet standards. (270) 699-9609
2 BEDROOM DUPLEX - \$400 month, plus deposit. Call 270-699-2806 leave message.

APARTMENTS AVAILABLE SOME NEWLY REMODELED. The Lebanon Housing Authority
 is now accepting applications for one, two, three, four and five bedroom units. If you are interested contact the Authority at 101 Hamilton Heights, Lebanon, Ky. or phone **270-692-3481.**
 Includes:
 •Stove & refrigerator
 •All utilities
 •Private entrances
 •Maintenance provided
 •Convenient to downtown & shopping
 Equal Housing Opportunity

123 Commercial Rent/Lease


FOR RENT Springfield, Ky.
Commercial Real Estate- Various Locations & Sizes (859) 481-3600
Residential Real Estate - Houses
2 Bedroom Duplexes Furnished Efficiencies (859) 481-4646

120 Rentals
BRICK HOME, 3 bedroom, 1 bath, country setting, large lawn, appliances furnished, \$500 monthly plus deposit Wards Branch RD **270-692-6280.**

RENTAL PROPERTY: Houses & Apartments. Call to check openings. Tom Simms, (270) 692-6321 days; (270) 692-4577 nights.

130 Real Estate Sales

PUBLISHER'S NOTICE
 All real estate advertised on this website or in our newspaper is subject to the Federal Fair Housing Act of 1968 which makes it illegal to advertise any preference, limitation or discrimination based on race, color, religion, sex or national origin, handicapped, families with children, or an intention to make any such preference, limitation or discrimination. This website and our newspaper will not knowingly accept any advertising for real estate which is in violation of the law. Our readers are hereby informed that all dwellings advertised in this newspaper are available on an equal opportunity basis. To complain of discrimination, call HUD toll free at 1-800-669-9777. The toll free telephone number for the hearing impaired is 1-800-927- 9275. Equal Housing Opportunity


SADDLEBROOK SUBDIVISION in Springfield, 3 bedroom 2 bath, eat in kitchen, living room with vault ceilings, deck, 1200 sq ft, financing available \$103,000 Possible lease to own, with money down (859) 433-9292

NOTICE
 Kentucky RSA #4 Cellular General Partnership is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #4 of the Commonwealth of Kentucky (Marion West Cell Site). The facility is a 240 foot tower and an equipment shelter to be located at 883 Howardstown Road, Raywick, Kentucky 40060. 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. 2011-00011 in your correspondence.

102 Acreage
GOT LAND? If you do, we got a deal for you! Government programs available with rates starting at 4.875%, VA loans, free 42" LCD TV with all new homes. 1-800-837-0274

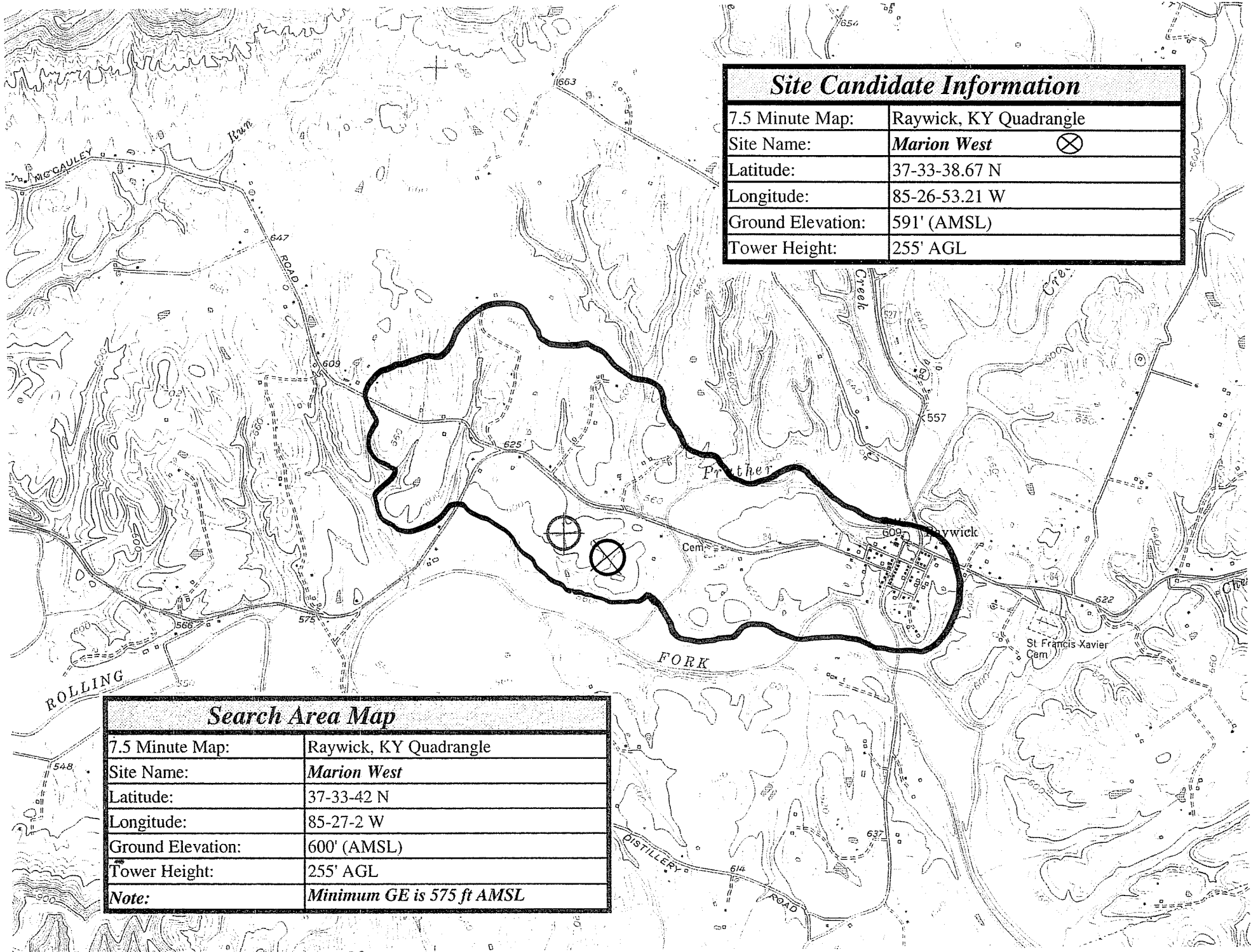


300 Legals

Public Notice
Houchens Food Group, Inc., mailing address is P.O. Box 90009, Bowling Green, KY 42101-9009, hereby declares intentions to apply for a Retail Beer License. The business to be licensed will be located at 507 W. Main St., Lebanon, Kentucky 40033, doing business as Save-A-Lot 142.
 The CEO is Jimmie Gipson of 700 Church St., Bowling Green, KY 42101 and the CFO is J. Gordon Minter of 700 Church St., Bowling Green, KY 42101.
 Any person, association, corporation, or body politic may protest the granting of the license(s) by writing the Dept. of Alcoholic Beverage Control, 1003 Twilight Trail, Frankfort, Ky. 40601-8400, within 30 days of this legal publication.





#015
 Revue W. Angle
 1/26

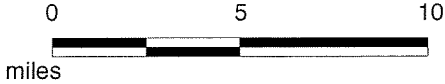
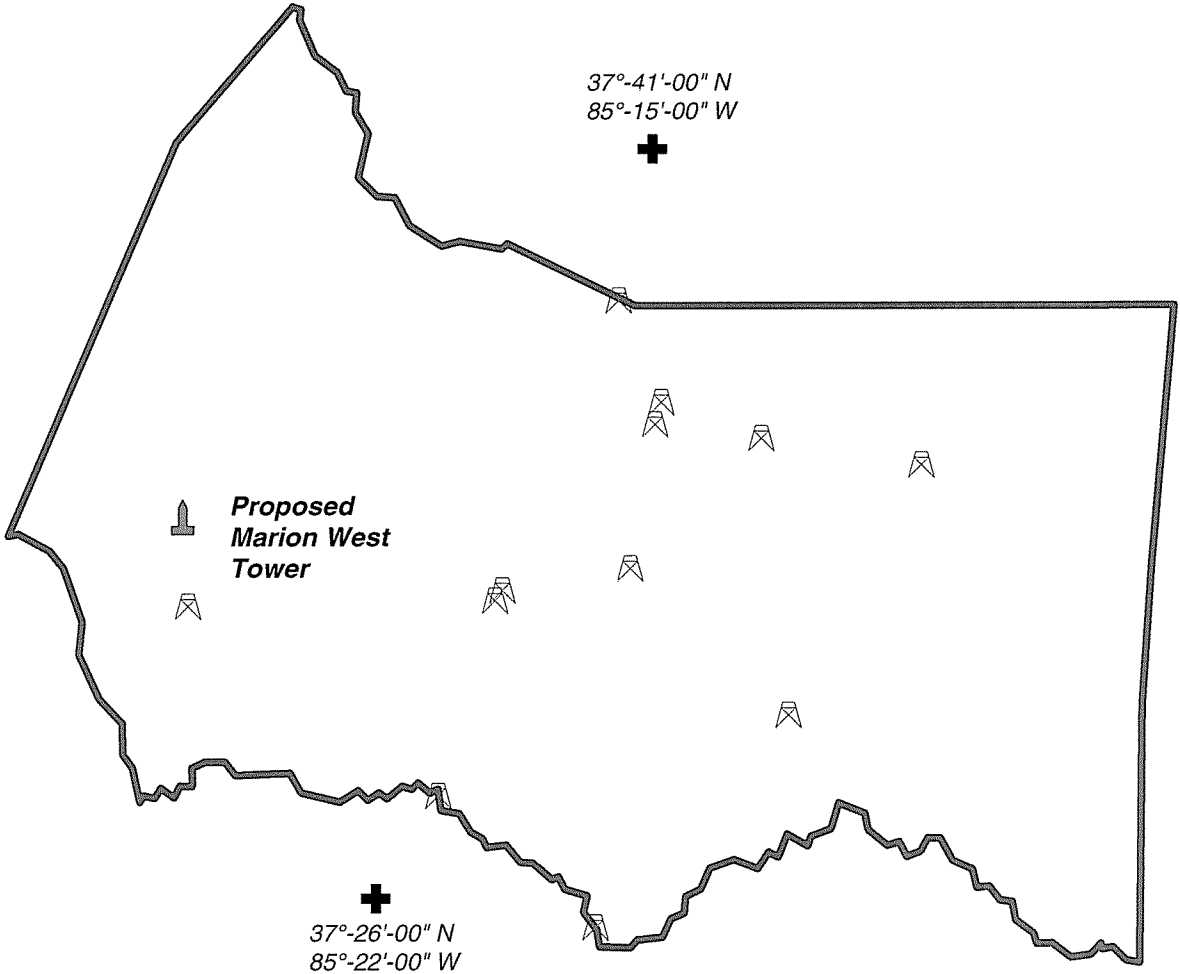
PUBLIC NOTICE
 REQUEST FOR PROPOSALS FOR SERVICES RELATING TO COMMUNITY



Site Candidate Information	
7.5 Minute Map:	Raywick, KY Quadrangle
Site Name:	<i>Marion West</i> ⊗
Latitude:	37-33-38.67 N
Longitude:	85-26-53.21 W
Ground Elevation:	591' (AMSL)
Tower Height:	255' AGL

Search Area Map	
7.5 Minute Map:	Raywick, KY Quadrangle
Site Name:	<i>Marion West</i>
Latitude:	37-33-42 N
Longitude:	85-27-2 W
Ground Elevation:	600' (AMSL)
Tower Height:	255' AGL
Note:	<i>Minimum GE is 575 ft AMSL</i>

 Marion County Boundary
 Constructed Wireless Tower
 Locations Registered with the FCC
 Proposed Tower location
 Tick Marks
Prepared By: LNGS Engineering 1/21/2011



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

<i>FCC Tower Reg. No.</i>	<i>North Lat.</i>	<i>West Lon.</i>	<i>Nearest City</i>	<i>State</i>	<i>Tower Owner</i>
1043055	37-31-58	85-18-59	Lebanon	KY	KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP DBA = BLUEGRASS CELLULAR
1044801	37-25-25	85-16-27	Spurlington	KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS
1052450	37-28-03	85-20-25	Finley	KY	P & B TOWERS, LLC
1063302	37-35-12	85-12-15	Lebanon	KY	COMMONWELATH BROADCASTING COPRPORATION DBA = CBC
1203419	37-32-36	85-15-34	Lebanon	KY	Global Tower, LLC
1205220	37-31-51	85-26-45	Raywick	KY	Louisville Communications, LLC
1234007	37-35-55	85-14-47	Lebanon	KY	CBC of Marion Co.
1238634	37-32-10	85-18-48	Lebanon	KY	Inter County Energy Cooperative Corporation
1260096	37-37-57.6	85-15-51.8	Springfeild	KY	Shared Towers, LLC
1261393	37-34-40.5	85-8-12.5	Lebanon	KY	SBA Towers II LLC
1267688	37-35-28.7	85-14-56.6	Lebanon	KY	Mobilitie Investments II, LLC
1276116	37-29-39.8	85-11-34.3	Lebanon	KY	KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP DBA = BLUEGRASS CELLULAR