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PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2018-00152

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

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 Raywick 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 693 J E Bickett Road, Raywick, Marion County, 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.

2. Pursuant to 807 KAR 5:001 Sections 8(l) 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. An email address for Kentucky RSA #3 is tash@bluegrasscellular.com. A copy of the Certificate of Assumed Name as a General Partnership for Kentucky RSA #4 Cellular General Partnership is attached as Exhibit "A." This is the only document on file with the Kentucky Secretary of State that identifies all owners of Kentucky RSA #3 Cellular General Partnership.

3. Pursuant to 807 KAR 5:063 Section 1 (1)(b), a copy of the applicant's applications to and approvals from the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit "B."

4. Pursuant to 807 KAR 5:063 Section 1(1)(d), applicant is submitting as Exhibit "C" 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 Section 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 "D."

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

("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. (Relevant pages attached as Exhibit "M"). Accordingly, if State or local governments do not act upon applications within those timeframes, then a "failure to act" has occurred and personal wireless 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.

7. Pursuant to 807 KAR 5:063 Section 1(1)(g), experienced personnel will manage and operate the Raywick 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 Raywick 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 twenty years. This extensive management experience with 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 Section 1(1)(g), World Tower Company, Inc. is responsible for the design specifications of the proposed tower (identified in Exhibit "C").

9. Pursuant to 807 KAR 5:063 Section 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 "C."

10. Pursuant to 807 KAR 5:063 Section 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 "C."

11. Pursuant to 807 KAR 5:063 Section 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 "C."

12. Pursuant to 807 KAR 5:063 Section 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 “F.”

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

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 or her right to request intervention.

15. Pursuant to 807 KAR 5:063 Section 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 “G.”

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

18. Pursuant to 807 KAR 5:063 Section 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 Section 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 "I."

20. Pursuant to 807 KAR 5:063 Section 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 "J."

21. Pursuant to 807 KAR 5:063 Section 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. A photograph of the proposed site is included as Exhibit "A-2" to the geotechnical investigation report, attached hereto as Exhibit "C" hereto..

22. Pursuant to 807 KAR 5:063 Section 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 Section 1(1)(t), attached as Exhibit "K" 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 "L."

25. Pursuant to 807 KAR 5:063, § 1(1)(c), attached as Exhibit "M" is a copy of the application to, and authorization from, the Federal Communications Commission.

26. 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.

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

John E. Selent
Felix H. Sharpe, II
DINSMORE & SHOHL LLP
101 South Fifth Street
Suite 2500
Louisville, KY 40202
(502) 540-2300
john.selent@dinsmore.com
felix.sharpe@dinsmore.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 Raywick cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



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AGREEMENT
OF
KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP

THIS GENERAL PARTNERSHIP AGREEMENT, is entered into by and among Brandenburg Telephone Co., Inc., a Kentucky corporation, and South Central Rural Telephone Cooperative Corporation, Inc., a Kentucky corporation, as the general partners, and the persons (if any) who become general partners, as provided herein ("Partners").

W I T N E S S E T H:

WHEREAS, the parties hereto desire to form a general partnership under the Laws of the Commonwealth of Kentucky, for the purposes and upon the terms stated herein; and

WHEREAS, Brandenburg Telephone Co., Inc. has been selected in a lottery conducted December 20, 1989 by the Federal Communications Commission ("FCC") in the process of considering applications to construct a domestic public cellular radio telecommunications system, "the Cellular System," to serve the Kentucky 4-Spencer Rural Service Area (the "RSA"); and

WHEREAS, the Partners have entered into a "Kentucky RSA 4 Settlement Agreement" ("Settlement Agreement") on June 8, 1989, concerning the settlement of mutually exclusive applications for the construction permit (the "permit").

I. ORGANIZATION MATTERS

1.1 Formation.

The General Partners have associated themselves in the formation of the Partnership as a general partnership pursuant to the provisions of the Kentucky Act. Except as expressly provided herein to the contrary, the rights and obligations of

Partners and the administration and termination of the Partnership shall be governed by the Kentucky Act. The Partnership Interest of any Partner shall be personal property for all purposes.

1.2 Name

The name of the Partnership shall be, and the business of the Partnership shall be conducted under the name, "Kentucky RSA 4 Cellular General Partnership". The Partnership's business may be conducted under any other name or names deemed advisable by the Partners, including the name of any Partner.

1.3 Principal Office.

The principal office and address of the Partnership shall be 332 Broadway, Brandenburg, Kentucky 40108, or such other place as the Partners may from time to time designate. The Partnership may maintain such offices at such other place or places as the Partners deem advisable.

1.4 Term.

The Partnership shall continue in existence until termination of the Partnership in accordance with the provisions of Article XI.

II. DEFINITIONS

The following definitions shall for all purposes, unless otherwise clearly indicated to the contrary, apply to the terms used in this Agreement.

"Agreed Value" means the fair market value of any Partnership property as determined from time to time by a Majority

Interest of the Partners using such reasonable method of valuation as may be adopted by the Partners. Unless another Agreed Value is fixed by the Partners for any item of Partnership property, the Agreed Value of such property shall be deemed to equal its adjusted basis for federal income tax purposes.

"Agreement" means this Agreement of General Partnership, as it may be amended or supplemented from time to time.

"Bankruptcy" shall be deemed to have occurred with respect to any Partner 60 days after the happening of any of the following: (a) the filing of an application by the Partner for, or a consent to, the appointment of a trustee of the Partner's assets, (b) the filing by the Partner of a voluntary petition in bankruptcy or the filing of a pleading in any court of record admitting in writing the Partner's inability to pay the Partner's debts as they become due, (c) the making by the Partner of a general assignment for the benefit of creditors, (d) the filing by the Partner of an answer admitting the material allegations, of, or consenting to, or defaulting in answering, a bankruptcy petition filed against the Partner in any bankruptcy proceeding, or (e) the entry of an order, judgment, or decree by any court of competent jurisdiction adjudicating the Partner a bankrupt or appointing a trustee of the Partner's assets, and such order, judgment, or decree continuing unstayed and in effect for such period of 60 days.

"Capital Account" means the capital account maintained for a Partner pursuant to Section 4.4.

"Capital Contribution" means any cash or other property which a Partner contributes to the Partnership pursuant to Sections 4.2 or 4.3.

"Carrying Value" means, with respect to any property of the Partnership, the Agreed Value of such property at the time of its contribution to the Partnership, or as fixed from time to time in accordance with Section 4.4(e), reduced (but not below zero) by all depreciation and cost recovery deductions charged to the Partners' Capital Accounts pursuant to Section 4.4(c) with respect to such property and by any other charges for sales, retirements and other dispositions of such property, as of the time of determination.

"Code" means the Internal Revenue Code of 1986, as amended and in effect from time to time.

"Excess Loss Account" means, with respect to any Partner, an amount equal to the aggregate losses allocated to such Partner pursuant to Section 5.2 less the aggregate income allocated to such Partner pursuant to Section 5.2. A transferee of a Partnership Interest will succeed to the Excess Loss Account with respect to the Partnership Interest transferred.

"General Partner" means any of the Partners listed on the first page, or admitted by a vote of the Partners in accordance with Article X.

"Majority Interest" means the owners of more than 50% of the Percentage Interests owned by the Partners.

"Management Committee" means the committee described in Section 6.1(a).

"Net Agreed Value" means (a) in the case of any property contributed to the Partnership, the Agreed Value of such property reduced by any indebtedness, either assumed by the Partnership upon such contribution or to which such property is subject when contributed, and (b) in the case of any property distributed to a Partner, the Agreed Value of such property at the time such property is distributed, reduced by any indebtedness either assumed by such Partner upon such distribution or to which such property is subject at the time of distribution.

"Partner" means any of the General Partners.

"Partnership" means the general partnership established by this Agreement.

"Partnership Interest" means the Percentage Interest of a Partner in the Partnership.

"Percentage Interest" means initially the amount specified in Section 4.1. After the first capital contributions of the Partners have been made, the Percentage Interest held by each Partner in the Partnership shall equal the percentage derived by multiplying the balance of the Partner's capital account by one hundred and then dividing by the total balance of the capital accounts of all of the Partners.

"Person" means an individual or a corporation, partnership, trust, unincorporated organization, association or other entity.

"Recapture Income" means any gain that is not capital gain recognized by the Partnership or, in the case of gain required by the Code to be computed separately by each Partner, by a Partner (but computed without regard to any adjustment required by Section 734 or Section 743 of the Code) upon the disposition of any property or asset of the Partnership.

"Kentucky Act" means the Kentucky Uniform Partnership Act, KRS 362.175 to KRS 362.355, as it may be amended from time to time.

"Unrealized Gain" attributable to an item of Partnership property means, as of any date of determination, the excess, if any, of the Agreed Value of such property as of such date of determination over the Carrying Value of such property as of such date of determination (prior to any adjustment to be made pursuant to Section 4.4(e) as of such date).

"Unrealized Loss" attributable to an item of Partnership property means, as of any date of determination, the excess, if any, of the Carrying Value of such property as of such date of determination (prior to any adjustment to be made pursuant to Section 4.4(e) as of such date) over the Agreed Value of such property as of such date of determination.

III. PURPOSE

The purpose and business of the Partnership shall be to engage in any lawful business in which a general partnership formed under the Kentucky Act may engage, including, without

limitation, the ownership of cellular radio telecommunications systems.

IV. CAPITAL CONTRIBUTIONS

4.1 Percentage Of Interest.

Each Partner shall have an initial percentage interest in the Partnership as described in the following schedule:

<u>Partner</u>	<u>Percentage Interest</u>
Brandenburg Telephone Co., Inc.	50%
South Central Rural Telephone Cooperative Corporation, Inc.	50%

4.2 Initial Capital Contribution.

Each Partner shall contribute one-thousand dollars (\$1,000.00) to the Partnership as an initial capital contribution.

4.3 Partners' Additional Contributions.

(a) Additional Capital Contributions. From time to time additional capital may be required to be invested by the Partnership to fund expansion or operation of Cellular Service. If the Management Committee determines that additional capital is so needed, each Partner shall be entitled to provide its share of additional capital in proportion to its then current Partnership Interest. This additional funding shall be due and payable on the date set forth in a written notice to each Partner from the Partnership requesting such additional Capital Contribution, which date shall not be less than 60 days from the date of the notice.

(b) Failure to Make Capital Contributions. Should any Partner (a "Nonparticipating partner") make a portion but not all of its initial Capital Contribution or any subsequent additional Capital Contribution, or fail to pay such contributions when due, the other Partners may contribute pro rata, according to their then current respective Partnership Interests, an aggregate amount equal to the Capital Contribution declined by the Nonparticipating Partner. In such event, the Nonparticipating Partner shall forfeit its right to select a person to serve on the Management Committee.

(c) Capital Contributions in Cash. Unless the Management Committee agrees to permit an in kind (property) contribution by a Partner by the affirmative vote of One Hundred percent of its members, funding of both initial and additional Capital Contributions to the Partnership shall be in cash and not real or personal property.

4.4 Capital Accounts.

(a) The Partnership shall maintain for each Partner a separate Capital Account. The initial balance of the Capital Account of the General Partners shall be zero.

(b) Each Partner's Capital Account shall be increased by (i) the cash amount or Net Agreed Value of all Capital Contributions made by such Partner to the Partnership pursuant to this Agreement and (ii) all items of Partnership income and gain computed in accordance with Section 4.4(c) and allocated to such Partner pursuant to Article V and decreased by (iii) the cash

amount or Carrying Value of all distributions of cash or property made to such Partner pursuant to this Agreement and (iv) all items of Partnership deduction and loss computed in accordance with Section 4.4(c) and allocated to such Partner pursuant to Article V.

(c) For purposes of computing the amount of any item of income, gain, deduction or loss to be reflected in the Partners' Capital Accounts, the determination, recognition and classification of such items shall be the same as its determination, recognition and classification for federal income tax purposes, with the following adjustments:

(i) Any income of the Partnership that is exempt from federal income tax and not otherwise taken into account under this Section 4.4(c) shall be considered an item of income;

(ii) Any expenditures of the Partnership described in Section 705(a)(2)(B) of the Code or treated as Section 705(a)(2)(B) expenditures pursuant to Treasury Regulation Section 1.704-1(b)(2)(iv)(i), and not otherwise taken into account under this Section 4.4(c), shall be considered a deduction;

(iii) Gain or loss resulting from any disposition of Partnership property with respect to which gain or loss is recognized for federal income tax purposes shall be computed with reference to the Carrying Value of the property disposed of, rather than its adjusted basis; and

(iv) The depreciation, amortization, or other cost recovery deductions with respect to an item of Partnership property shall be computed with reference to the Agreed Value of such property rather than its adjusted basis.

(d) A transferee of a Partnership Interest will succeed to the Capital Account relating to the Partnership Interest transferred.

(e) Immediately prior to the distribution of any Partnership property other than money, the Capital Accounts of all Partners (and the Carrying Value of all Partnership property) may, in the discretion of the Management Committee, be adjusted (consistent with the provisions hereof and Section 704 of the Code) upwards or downwards to reflect any Unrealized Gain or Unrealized Loss attributable to such Partnership property (as if such Unrealized Gain or Unrealized Loss had been recognized upon an actual sale of such property, immediately prior to such issuance, and had been allocated to the Partners, at such time, pursuant to Article V).

(f) The foregoing provisions and the other provisions of this Agreement relating to the maintenance of Capital Accounts are intended to comply with Treasury Regulation Section 1.704-1(b), and shall be interpreted and applied in a manner consistent with such regulations. To the extent that any provision required by the Treasury Regulations is not contained in this Agreement, that provision is hereby incorporated by reference. If the Management Committee determines that it is prudent to modify the

manner in which the Capital Accounts are computed or maintained in order to comply with such regulations, the Management Committee may make such modification, provided that such modification is not likely to have a material effect on the amounts distributable to any Partner pursuant to Section 13.3 upon dissolution of the Partnership.

4.5 Negative Capital Account.

Upon the dissolution and termination of the Partnership, each Partner shall contribute to the Partnership an amount equal to the deficit balance in its capital account, if any.

4.6 Interest.

No interest shall be paid by the Partnership on Capital Contributions or on balances in Partners' capital accounts.

4.7 No Withdrawal.

A Partner shall not be entitled to withdraw any part of its Capital Contribution or its Capital Account or to receive any distribution from the Partnership, except as provided in Section 5.3 and Article XI.

4.8 Loans from Partners.

Loans by a Partner to the Partnership shall not be considered Capital Contributions.

V. ALLOCATIONS AND DISTRIBUTIONS

5.1 Income and Loss.

(a) In determining the rights of the Partners among themselves and for financial accounting purposes, each item of income, gain, loss, deduction and credit shall be credited or

charged, as the case may be, among the Partners in accordance with their respective Percentage Interests.

(b) For federal income tax purposes, except as otherwise provided in Section 5.2, each item of income, gain, loss, deduction and credit of the Partnership shall be allocated among the Partners in accordance with their respective Percentage Interests.

5.2 Other Tax Allocations.

(a) Income, gain, loss, and deduction with respect to any property contributed to the Partnership shall, solely for federal income tax purposes, be allocated among the Partners so as to take into account any difference between the Agreed Value of such property and its adjusted basis on the date of such contribution, in accordance with Section 704(c) of the Code. If the Carrying Value of any Partnership property is adjusted pursuant to Section 4.4(e), subsequent allocations of income, gain, loss, and deduction with respect to such property shall take account of any variation between the adjusted basis of such property and its Carrying Value, in the same manner as provided for under Section 704(c) of the Code. All allocations under this Section 5.2(a) shall be made in such manner as the Management Committee may in its discretion determine reasonably reflects the requirements of the Code and the intention of this Agreement.

(b) To the extent of any Recapture Income resulting from the sale or other taxable disposition of a Partnership asset, the amount of any gain from such disposition allocated to (or recog-

nized by) a Partner (or its successor in interest) for federal income tax purposes pursuant to the above provisions shall be deemed to be Recapture Income to the extent such Partner has been allocated or has claimed any deduction directly or indirectly giving rise to the treatment of such gain as Recapture Income.

(c) In the event of the transfer of a Partnership Interest during a year, each item of Partnership income, gain, loss, deduction and credit attributable to the transferred Partnership Interest shall, for federal income tax purposes, be prorated between the transferor and transferee on a daily or other reasonable basis, as required by Section 706 of the Code; provided, however, that gain on a sale or other disposition of all or a substantial portion of the assets of the Partnership shall be allocated among the Partners in proportion to their Partnership Interests on the date of sale.

(d) If the Percentage Interest of any Partner is changed during a taxable year such Partner's share of taxable income or loss shall be determined for federal income tax purposes by taking into account his varying Percentage Interests in the Partnership during the taxable year on a daily or other reasonable basis as required by Section 706 of the Code.

(e) It is intended that the allocations in this Article V effect an allocation for federal income tax purposes in a manner consistent with the Code and comply with any limitations or restrictions therein. The Management Committee shall have complete discretion to make the allocations pursuant to this

Article V in any manner consistent with the Code. The Majority Interest of the Partners may amend the provisions of this Agreement in accordance with Article XII as appropriate as a result of the promulgation of final treasury regulations under any section of the Code, if in the opinion of counsel such an amendment is advisable to reflect allocations among the Partners consistent with those regulations.

5.3 Current Distributions.

(a) The Management Committee shall review the Partnership's accounts at the end of each calendar quarter to determine whether distributions are appropriate. The Management Committee may make such distributions as they in their discretion deem appropriate, without being limited to current or accumulated income or gains. All such distributions shall be made to the Partners in accordance with the Percentage Interests of such Partners.

(b) Any amounts paid pursuant to Section 6.2 shall not be deemed to be distributions for purposes of this Agreement.

VI. MANAGEMENT, OPERATION OF BUSINESS AND
PARTNERSHIP POWERS

6.1 Management.

(a) The Partnership shall be managed by a Management Committee. Each Partner with a partnership interest equal to or greater than fifty percent shall be entitled to select one person to serve on the Management Committee subject to Section 9.1(c). Unless, otherwise provided in this Agreement all action taken by the Management Committee shall be by simple majority vote of the members of the Management Committee. The Management

Committee shall hire an operations manager to manage the day to day operations of the Cellular System.

(b) Partnership Powers. In furtherance of the business purpose specified in Article III and subject to the limitations set forth in this Agreement, the Partnership, and the Management Committee on behalf of the Partnership, shall be empowered to do or cause to be done any and all acts reasonably deemed by the Management Committee to be necessary or appropriate in furtherance of the purposes of the Partnership or forbear from doing any act if the Management Committee reasonably deems such forbearance necessary or appropriate in furtherance of the purposes of the Partnership, including without limitation, the power and authority:

(1) To enter into, perform and carry out contracts and agreements of every kind necessary or incidental to the accomplishment of the Partnership's purposes, including, without limitation, contracts and agreements with any Partner and the affiliates of any Partner, and to take or omit such other or further action in connection with the Partnership's business as may be reasonably necessary or desirable in the opinion of the Management Committee to further the purposes of the Partnership; provided, however, that (i) any transaction between the Partnership and any of the Partners or any of their affiliates shall be documented and shall become part of the records of the Partnership; and (ii) any such contracts or agreements shall be on terms no

more favorable to such Partner or affiliate than the terms available to the Partnership from third parties;

(2) To borrow from banks and other lenders on such terms and conditions as shall be approved by the Management Committee and to secure any such borrowings by mortgaging, pledging or assigning assets and revenues of the Partnership to the extent deemed necessary or desirable by the Management Committee;

(3) To invest such funds as are temporarily not required for Partnership purposes in debt obligations selected by the Management Committee including government securities, certificates of deposit of commercial banks (domestic or foreign), commercial paper, bankers' acceptances and other money market instruments; and

(4) To carry on any other activities necessary to, in connection with or incidental to any of the foregoing.

6.2 Management Compensation and Reimbursement of the Partners

(a) Operating and Management Expenses. The Partners may be reimbursed by the Partnership monthly for any reasonable and necessary expenses incurred by the Partners on behalf of the Partnership in providing cellular service, including reasonable and necessary administrative and general overhead expenses, including, but not limited to, marketing, maintenance, message charges, facilities, engineering, customary legal, accounting and audit fees, development and implementation of billing procedures, expenses of preparing tax returns and reports, taxes, travel,

office rent, telephone, salaries (including social security, relief, pensions and other benefits), and other incidental business expenses incurred by the Partners on behalf of the Partnership in connection with the provision of Cellular Service. Reimbursement must be approved by the Management Committee.

(b) Powers of the Management Committee. In addition to those powers vested pursuant to Section 6.1(b) and subject to the limitations set forth in this Agreement, the Management Committee hereby is vested with the power to:

(1) Manage, supervise and conduct the affairs of the Partnership;

(2) Make all elections, investigations, evaluations and decisions, binding the Partnership thereby, that may be necessary or appropriate in connection with the business purposes of the Partnership;

(3) Incur obligations or make payments on behalf of the Partnership in its own name or in the name of the Partnership;

(4) Execute all instruments of all kind or character which the Management Committee in its discretion shall deem necessary or appropriate in connection with the business purposes of the Partnership;

(5) Enter into agreements with other providers of Cellular Service (including Affiliates of the Management Committee) to obtain switching services when, in the

judgment of the Management Committee, such agreements are in the best interest of the Partnership.

6.3 Partnership Funds.

The funds of the Partnership shall be deposited in such account or accounts as are designated by the Management Committee and shall not be commingled with the funds of any Partner or any affiliate thereof. All withdrawals from such account(s) shall be made upon such authorized signature(s) as the Management Committee may from time to time, determine.

6.4 Indemnification.

The Partnership shall indemnify and hold harmless the Partners from and against any loss, expense, damage, or injury suffered or sustained by them by reason of any acts, omissions, or alleged acts or omissions arising out of their activities on behalf of the Partnership or in furtherance of the interests of the Partnership, including but not limited to any judgment, award, settlement, reasonable attorneys' fees, and other costs or expenses incurred in connection with the defense of any actual or threatened action, proceedings, or claim, if the acts, omissions, or alleged acts or omissions upon which the actual or threatened action, proceedings, or claims are based were for a purpose reasonably believed to be in the best interests of the Partnership and were not performed or omitted fraudulently or in bad faith or as a result of negligence by a Partner and were not in violation of the Partner's fiduciary obligation to the

Partnership. Any such indemnification shall be solely from the assets of the Partnership.

6.5 Other Matters Concerning the Partners.

(a) Any Partner may rely and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, bond, debenture, or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties.

(b) Any Partner may consult with legal counsel, accountants, appraisers, management consultants, investment bankers, and other consultants and advisors selected by it and may rely on any opinion of any such consultant or advisor as to matters which the Partner believes to be within its professional or expert competence as long as the Partner acts in good faith and in accordance with such opinion.

6.6 General Partners' Other Business Activities.

It is recognized that the Partners and affiliates of the Partners are or may be engaged in the conduct of other substantial activities for their own account and for the accounts of others, including the management, ownership, and operation of cellular radio facilities in areas other than Kentucky RSA 4. The Partners and their officers, directors or representatives shall not be required to devote their full time to Partnership affairs but only such time as in their judgment the conduct of the Partnership affairs shall require.

6.7 Liability.

No Partner shall be liable, responsible, or accountable in damages or otherwise to the Partnership or any Partner for any action taken or failure to act on behalf of the Partnership within the scope of the authority conferred on any Partner by this Agreement or by law unless the act or omission was performed or omitted fraudulently or in bad faith or constituted negligence.

6.8 Bankruptcy. At the Bankruptcy of any Partner, that Partner (an "Inactive Partner") and any member of the Management Committee selected by that Partner pursuant to Section 6.1(a) shall cease to have any voice in the conduct of the affairs of the Partnership, and all acts, consents, and decisions with respect to the Partnership shall thereafter be made by the other Partners. The Inactive Partner shall, nonetheless, remain liable for its share of any losses of the Partnership or contributions to the Partnership as provided herein, and shall be entitled to receive its share of income, gain, loss, deduction, credit, and distributions. For six months from and after the date of the Bankruptcy of any Partner, the other Partners shall have the irrevocable option to purchase the Inactive Partner's Partnership Interest. Any such purchase shall be made in proportion to the respective Percentage Interest of the other Partners at such time or in such other proportion as they may mutually agree. Should the other Partners exercise their option to purchase the Inactive Partner's Partnership Interest, they shall notify the Inactive

Partner or his representative of their intention to do so within the six-month option period. The purchase price of any Partnership Interest purchase pursuant to this Section 6.8 shall be the Appraisal Price as (defined in Section 9.1(d)) and shall be payable in cash at the time specified in Section 9.1(e). Should the other Partners not exercise the option to purchase the Inactive Partner's Partnership Interest, the Inactive Partner shall remain an Inactive Partner in accordance with the provisions set forth in this Section 6.8.

VII. BOOKS, RECORDS, ACCOUNTING AND REPORTS

7.1 Records and Accounting.

The Partnership shall keep or cause to be kept complete and accurate books with respect to the Partnership's business, which books shall at all times be kept at the principal office of the Partnership. The books of the Partnership shall be maintained, for financial reporting purposes, on the accrual basis in accordance with generally accepted accounting principles.

7.2 Fiscal Year.

The fiscal year of the Partnership shall be the calendar year.

VII. INCOME TAX MATTERS

8.1 Organizational Expenses.

The Partnership shall elect to deduct expenses incurred in organizing the Partnership ratably over a sixty-month period as provided in Section 709 of the Code.

8.2 Taxation as a Partnership.

No election shall be made by the Partnership, or any Partner to be excluded from the application of any of the provisions of Subchapter K, Chapter 1 of Subtitle A of the Code or from any similar provisions of any state tax laws.

IX. TRANSFER OF PARTNERSHIP INTERESTS

9.1(a) Rights of First Refusal. The Partners agree they will not (directly or indirectly) sell, give, assign, pledge or otherwise transfer or encumber (any such event hereinafter referred to as "sell or transfer") their Partnership Interest except pursuant to the provisions of this Section 9.1, and any attempt to sell or transfer a Partnership Interest other than in accordance with the terms and provisions of this Section 9.1 shall be null and void and of no effect.

9.1(b) If a Partner desires to sell or transfer all or any part of its Partnership Interest (hereinafter "Desire to Sell") (hereinafter such party desiring to sell referred to as "Seller"), it shall notify the nonselling Partners ("Notice of Transfer") of the Desire to Sell, and, if such Desire to Sell is in response to a third party offer, such Notice of Transfer shall contain the terms of the third party offer and the identity of the prospective purchaser. For a period of 60 days after the last of the nonselling Partners receipt from Seller of a Notice of Transfer the Partners shall have an option ("Transfer Option") to purchase the Seller's Partnership Interest identified in the Notice of Transfer. The purchase price and the terms of sale for

the Partnership Interest to be purchased pursuant to the Transfer Option shall be the price and terms identified in the Notice of Transfer or if the Notice of Transfer is not in response to a third party offer, the terms of sale shall be cash and the price shall be the Appraisal Price as defined in Section 9.1(d) of this Article IX. Unless they agree otherwise, those Partners exercising the Transfer Option by notifying the Seller in a timely manner (the "Purchasing Partners") shall be obligated to purchase that percentage of the Partnership Interest identified in the Notice of Transfer as the Partnership Interest of each such Purchasing Partner bears to the Partnership Interests of all Purchasing Partners, but the seller shall not be obligated to sell less than all of the Partnership Interest Identified in the Notice of Transfer, so exercising. The Purchasing Partners shall have a period of sixty (60) days to arrange financing for and close the purchase transaction. During such sixty (60) day period, the Purchasing Partners shall also cause the Appraisal Price to be determined, if necessary.

9.1(c) If the Partners do not exercise their respective options to purchase the Shares pursuant to Section 9.1(b) or if they fail or refuse to perform their purchase obligations after such exercise within the sixty (60) day period, such Partnership Interest may be sold or transferred by Seller for a period of sixty (60) days after the lapse of such options to the transferee identified in the Notice of Transfer at the purchase price and upon the terms specified in the Notice of Transfer. Unless the

transferee becomes a substituted Partner pursuant to Article X, the transferee shall have no right to interfere in the management or administration of the Partnership's business or affairs, or to require any information or account of Partnership transactions, or to inspect the Partnership's books. The sale or transfer merely entitles the transferee to receive the share of distributions, income, and losses to which the Seller would otherwise be entitled.

(d) The "Appraisal Price" shall mean the value of a Partnership Interest determined on the basis of the value of the Partnership as a going concern, on the basis of such Partnership Interests being free of all restrictions imposed by this Agreement and on a basis exclusive of any adjustment to such value due to the illiquidity of or absence of any market for such Partnership Interest. The Appraisal Price shall be determined as follows: within ten (10) days after exercise of the Transfer Option pursuant to Section 9.1, the Purchasing Partners and the Seller shall use their best efforts to agree on an Appraisal Price. If they fail to agree, then on the eleventh (11th) day after such exercise, the Seller, on the one hand, and the Purchasing Partners on the other, shall notify each other in writing of its opinion as to the Appraisal Price and the identity of an appraiser it has selected to determine the Appraisal Price. Each such appraiser shall deliver its report to the Seller and Purchasing Partners, and to the other appraiser, within forty-five (45) days of the giving of such notice and the two

appraisers shall meet and attempt to determine the Appraisal Price within sixty (60) days after the exercise of the Transfer Option under Section 9.1(b). If the two appraisers fail to reach agreement within such sixty (60) day period they shall, at the end of such period, agree on a third appraiser who shall determine a third Appraisal Price. The third appraiser shall not be given the Appraisal Prices of the first two appraisers. The Final Appraisal Price shall be (i) the amount agreed to by the two parties if they do agree, or (ii) the amount specified in the notice given by one party on the eleventh (11th) day as above in the event that the other party fails to give notice on that day designating an appraiser or if the appraiser designated by such party fails to perform in accordance with the schedule contemplated hereby or fails to act in good faith, or (iii) the amount agreed to by the two appraisers appointed by the parties if clauses (i) or (ii) immediately preceding are not applicable, or (iv) if a third appraiser has been appointed, the average of the two closest appraisals. All costs of the appraisals hereunder shall be paid 25% by the Purchasing Partners and 75% by the Seller. The Parties shall cooperate fully with each appraiser appointed under this Section 9.1 and shall fully disclose any and all information including, without limitation, any business plans or forecasts of the Partnership which is or may be material to the valuation of the Partnership as a going concern.

(e) The closing of any purchase transaction created pursuant to this Section 9.1 shall take place on or before the one-hundred twentieth (120) day after exercise of the Transfer Option. At the closing, Seller shall deliver the Partnership Interest free and clear of all liens and restrictions against delivery to it of the purchase price required by this Section 9.1.

9.2 Tiered Acquisition. Regardless of any contrary provision of this Agreement, no Person may acquire from any Partner or Partners (in either case, a "Selling Partner") a Partnership Interest unless the Person also offers to acquire the Partnership Interest of each other Partner at a price and under terms and conditions that are at least as favorable as those by which the Person offers to acquire the Partnership Interest from the Selling Partner. Any acquisition of an interest in the Partnership in violation of this Section 9.2 shall be deemed null and void and of no effect.

X. ADMISSION OF OTHER GENERAL PARTNERS

By a vote of the Partners owning at least a Majority Interest of the Partnership, one or more parties may become additional or substituted partners. In the event of any such addition or substitution (i) the new Partner shall participate in the Partnership on the same terms and conditions as described in this Agreement, and shall be subject to and bound by all of the provisions of this agreement as if originally a party of this Agreement and (ii) the Partnership Interests of the other

Partners shall be adjusted according to their then current respective Partnership Interests.

XI. DISSOLUTION AND LIQUIDATION

11.1 Dissolution.

The Partnership may be dissolved only upon:

- (a) the sale or other disposition of all or substantially all of the partnership's assets;
- (b) an election to dissolve the Partnership by the affirmative vote of the Partners owning at least One Hundred percent (100%) of the Partnership Interests.
- (c) the Bankruptcy of any Partner; provided that the remaining Partners shall have the authority to continue the business of the Partnership within the meaning of Section 362.335(2)(b) of the Kentucky Act.
- (d) any other event that, under the Kentucky Act, would cause its dissolution.

11.2 The Partners shall liquidate the assets of the Partnership, and apply and distribute the proceeds of such liquidation in the following order of priority, unless otherwise required by mandatory provisions of applicable law:

- (a) the payment to creditors of the Partnership, including Partners, in order or priority provided by law;
- (b) to the Partners, in proportion to and to the extent of the positive balances in their respective Capital Accounts; and

(c) to the Partners in accordance with their respective Percentage Interests; provided, however, that the Partners may place in escrow a reserve of cash or other assets of the Partnership for contingent liabilities in an amount determined by the Partners to be appropriate for such purposes.

11.3 Distribution in Kind.

Notwithstanding the provisions of Section 11.2 which require the liquidation of the assets of the Partnership, but subject to the order of priorities set forth therein, if on dissolution of the Partnership the Partners determine that an immediate sale of part or all of the Partnership's assets would be impractical or would cause undue loss to the Partners, the Partners may, by a vote of a Majority Interest defer for a reasonable time the liquidation of any assets except those necessary to satisfy liabilities of the Partnership (other than those to Partners) and/or may, in its absolute discretion, distribute to the Partners prorata, in lieu of cash, as tenants in common and in accordance with the provisions of Section 11.2, undivided interests in such Partnership assets as the Partners deem not suitable for liquidation. Any distributions in kind shall be subject to such conditions relating to the disposition and management thereof as the Partners deem reasonable and equitable and to any joint operating, charter or management agreements or other agreements governing the operation of such properties at such time. The Partners shall determine the fair market value of any property

distributed in kind using such reasonable method of valuation as they may adopt.

11.4 Waiver of Partition.

Each Partner hereby waives any rights to partition of the Partnership property.

XII. AMENDMENT OF PARTNERSHIP AGREEMENT

The Partnership Agreement may be amended by a vote of the Partners owning at least One Hundred percent (100%) of the Partnership Interests, provided, however that no such amendment shall otherwise change any Partner's Partnership Interest as determined in this Agreement, or any Partner's voting rights as otherwise specified in this Agreement.

XIII. SALE OR TRANSFER OF PARTNERSHIP ASSETS

No direct or indirect sale or transfer of substantially all of the Partnerships assets or licenses is permitted without the prior approval of Partners controlling at least One Hundred percent (100%) of the Partnership Interests.

XIV. GENERAL PROVISIONS

14.1 Addresses and Notices.

Any notice, demand, request or report required or permitted to be given or made to a Partner under this Agreement shall be in writing and shall be deemed given or made when delivered in

person or when sent by first class mail or by other means of written communication to the Partner at the address set forth below.

Brandenburg Telephone Co., Inc.
332 East Broadway
Brandenburg, KY 40108
Attention: J. D. Tobin, Jr., President

South Central Rural Telephone
Cooperative Corporation, Inc.
Box 159
Glasgow, KY 42141
Attention: Clinton Quenzer, General Manager

Any notice, payment or report to be given or sent to a Partner hereunder shall be deemed conclusively to have been given or sent, and the obligation to give such notice or report or to make such payment shall be deemed conclusively to have been given or sent, and the obligation to give such notice or report or to make such payment shall be deemed conclusively to have been fully satisfied, upon mailing such notice, payment or report to such Partner by certified mail, return-receipt requested, at its address as shown above. Any notice to the Partnership shall be deemed given if received at the principal office of the Partnership designated pursuant to Section 1.3. The Partnership may rely and shall be protected in relying on any notice or other document from a Partner or other Person if believed by them to be genuine.

14.2 Titles and Captions.

All Article or section titles or captions in this Agreement are for convenience only. They shall not be deemed part of this

Agreement and in no way define, limit, extend or describe the scope of intent of any provisions hereof.

14.3 Pronouns and Plurals.

Whenever the context may require, any pronoun used in this Agreement shall include the corresponding masculine, feminine or neuter forms, and the singular form of nouns, pronouns and verbs shall include the plural and vice versa.

14.4 Further Action.

The parties shall execute and deliver all documents, provide all information and take or refrain from taking action as may be necessary or appropriate to achieve the purpose of this Agreement.

14.5 Binding Effect.

This Agreement shall be binding upon and inure to the benefits of the parties and their heirs, executors, administrators, successors, legal representatives and permitted assigns.

14.6 Integration.

This Agreement constitutes the entire Agreement among the parties pertaining to the subject matter hereof and supersedes all prior agreements and understandings pertaining thereto.

14.7 Creditors.

None of the provisions of this Agreement shall be for the benefits of or enforceable by an creditors of the Partnership.

14.8 Waiver.

No failure by any party to insist upon the strict performance of any covenant, duty, Agreement or condition of this

Agreement or to exercise any right or remedy consequent upon a breach thereof shall constitute waiver of any such breach or any other covenant, duty, Agreement or condition.

14.9 Counterparts.

This Agreement may be executed in counterparts, all of which together shall constitute one Agreement binding on all the parties, notwithstanding that all the parties are not signatories to the original or the same counterpart.

14.10 Applicable Law.

This Agreement shall be construed in accordance with and governed by the laws of Kentucky, without regard to the principles of conflicts of law.

14.11 Invalidity of Provisions.

If any provision of this Agreement is or becomes invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall not be affected thereby.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of this 27th day of December, 1989, but actually on the dates indicated below.

GENERAL PARTNERS:

BRANDENBURG TELEPHONE
CO., INC.

By: [Signature]

Title: President

Date: 12-27-89

SOUTH CENTRAL RURAL TELEPHONE
COOPERATIVE CORPORATION,
INC.

By: [Signature]

Title: GENERAL MANAGER

Date: 12/27/89



KENTUCKY AIRPORT ZONING COMMISSION

MATTHEW BEVIN
Governor

421 Buttermilk Pike
Covington, KY 41017
www.transportation.ky.gov
859-341-2700

June 22, 2018

APPROVAL OF APPLICATION

APPLICANT:
BLUEGRASS CELLULAR
BLUEGRASS CELLULAR
2902 Ring Road
Elizabethtown, KY 42702

SUBJECT: AS-078-612-2018-051

STRUCTURE: Antenna Tower
LOCATION: Raywick, KY
COORDINATES: 37° 33' 17.47" N / 85° 25' 9.90" W
HEIGHT: 250' AGL/880' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 250' AGL/ 880' AMSL Antenna Tower near Raywick, KY 37° 33' 17.47" N / 85° 25' 9.90" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Obstruction Lighting is required in accordance with 602 KAR 50:100.



John Houlihan
Administrator



An Equal Opportunity Employer M/F/D



MATTHEW BEVIN
Governor

KENTUCKY AIRPORT ZONING COMMISSION

421 Buttermilk Pike
Covington, KY 41017
www.transportation.ky.gov
859-341-2700

CONSTRUCTION/ALTERATION STATUS REPORT

June 22, 2018

AERONAUTICAL STUDY NUMBER: AS-078-612-2018-051

BLUEGRASS CELLULAR
BLUEGRASS CELLULAR
2902 Ring Road
Elizabethtown, KY 42702

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 22, 2018. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 421 Buttermilk Pike, Covington, KY, 41017. 859-341-2700.

STRUCTURE: Antenna Tower
LOCATION: Raywick, KY
COORDINATES: 37° 33' 17.47" N / 85° 25' 9.90" W
HEIGHT: 250' AGL / 880' AMSL

CONSTRUCTION/ALTERATION STATUS

1. The project () is abandoned. () is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of _____ ft. AGL
_____ ft. AMSL on _____ (date).

Date construction was completed. _____

Type of obstruction marking/painting. _____

Type of obstruction lighting. _____

As built coordinates. _____

Miscellaneous Information. _____

DATE _____

SIGNATURE/TITLE _____



An Equal Opportunity Employer M/F/D



KENTUCKY TRANSPORTATION CABINET
KENTUCKY AIRPORT ZONING COMMISSION

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Rev. 06/2016
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2018-051

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) Doug Updegraff		PHONE 270-769-0339	FAX 270-737-0580	KY AERONAUTICAL STUDY # AS-078-612-248-051	
ADDRESS (street) 2902 Ring Road		CITY Elizabethtown		STATE KY	ZIP 42702
APPLICANT'S REPRESENTATIVE (name) Leila Rezanavaz		PHONE 703-584-8668	FAX 703-584-8694		
ADDRESS (street) 8300 Greensboro Dr. Suite 1200		CITY McLean		STATE VA	ZIP 22102
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start 06/20/17 End 06/25/17	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 37°33'17.47"		LONGITUDE 85°25'09.90"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Raywick County Marion		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Lebanon Springfield George Hoerter Field Airport (6I2)			
SITE ELEVATION (AMSL, feet) 630		TOTAL STRUCTURE HEIGHT (AGL, feet) 250		CURRENT (FAA aeronautical study #)	
OVERALL HEIGHT (site elevation plus total structure height, feet) 880				PREVIOUS (FAA aeronautical study #) N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 11.1 Miles				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) WSW					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Site is located at: 693 J E Bickett Road, Raywick, KY 40060					
DESCRIPTION OF PROPOSAL Proposed 240' self-supporting tower with top-mounted antennas for overall height of 250' AGL.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 04/25/2018					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Leila Rezanavaz	TITLE Sr. Consulting Engr	SIGNATURE <i>Leila Rezanavaz</i>		DATE 04/26/2018	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		SIGNATURE <i>[Signature]</i>		DATE 6-22-18	



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2018-ASO-8450-OE

Issued Date: 05/24/2018

Doug Updegraff
Bluegrass Cellular, Inc.
2902 Ring Road
Elizabethtown, KY 42701

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

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

Structure:	Antenna Tower Raywick
Location:	Raywick, KY
Latitude:	37-33-17.47N NAD 83
Longitude:	85-25-09.90W
Heights:	630 feet site elevation (SE) 250 feet above ground level (AGL) 880 feet above mean sea level (AMSL)

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

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

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

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

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

This determination expires on 11/24/2019 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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

This determination does not constitute authority to transmit on the frequency(ies) identified in this study. The proponent is required to obtain a formal frequency transmit license from the Federal Communications Commission (FCC) or National Telecommunications and Information Administration (NTIA), prior to on-air operations of these frequency(ies).

This determination of No Hazard is granted provided the following conditional statement is included in the proponent's construction permit or license to radiate:

Upon receipt of notification from the Federal Communications Commission that harmful interference is being caused by the licensee's (permittee's) transmitter, the licensee (permittee) shall either immediately reduce the power to the point of no interference, cease operation, or take such immediate corrective action as is necessary to eliminate the harmful interference. This condition expires after 1 year of interference-free operation.

This determination is based, in part, on the foregoing description which includes specific coordinates, height, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colorado Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

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

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

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

If we can be of further assistance, please contact our office at (202) 267-5281, or lynnette.farrell@faa.gov. For any future correspondence concerning this matter, please refer to Aeronautical Study Number 2018-ASO-84 OE.

Signature Control No: 363546215-366102470

**Lynnette Farrell
Technician**

(DI

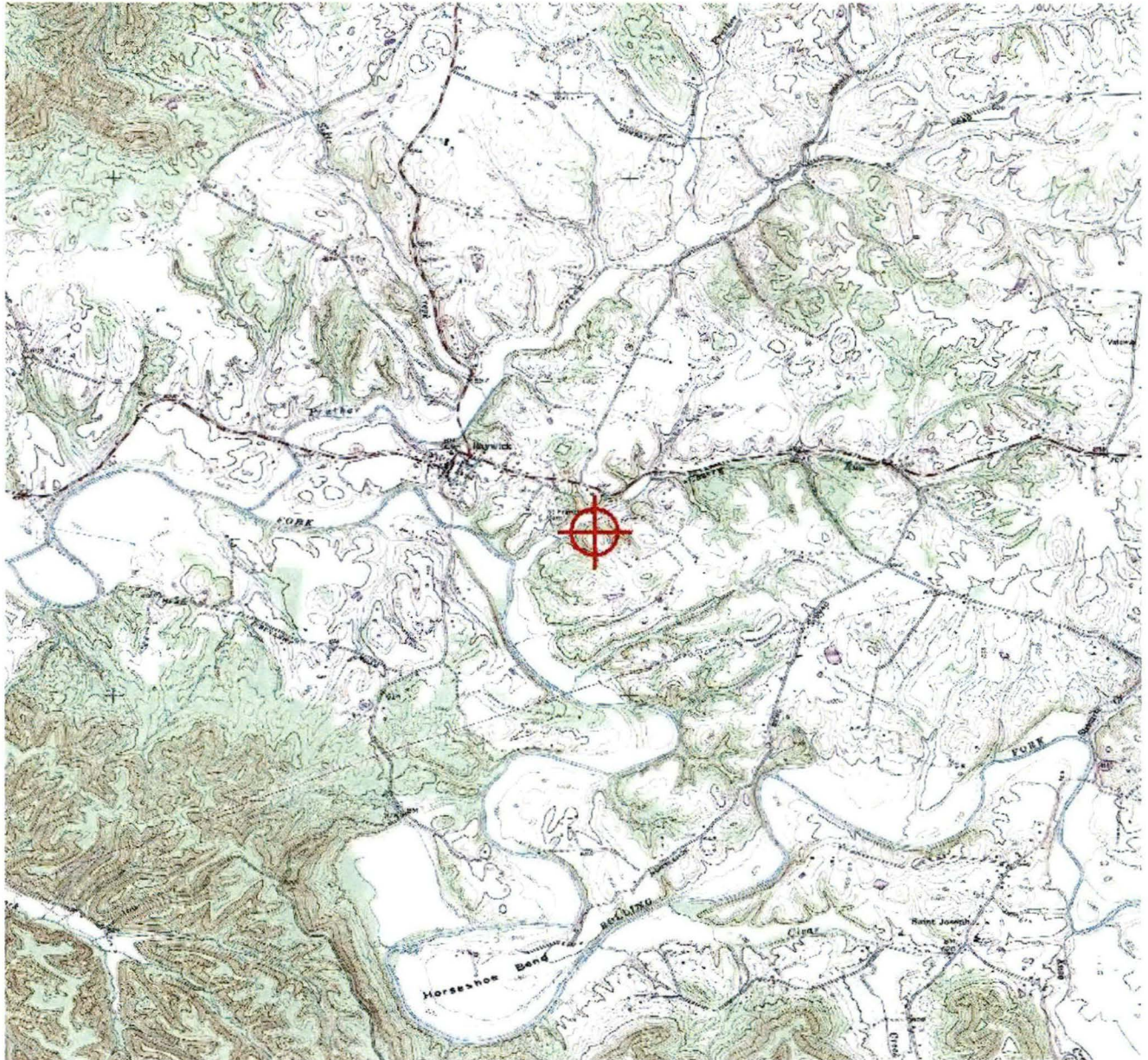
**Attachment(s)
Frequency Data
Map(s)**

cc: FCC

Frequency Data for ASN 2018-ASO-8450-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	901	MHz	500	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
929	932	MHz	3500	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
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W

TOPO Map for ASN 2018-ASO-8450-OE

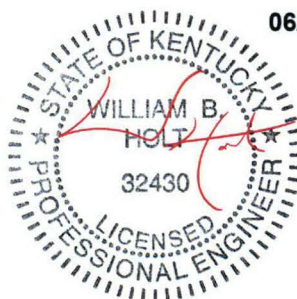




World Tower
COMPANY, INC.

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

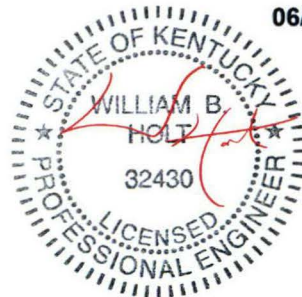
**240' MODEL WSST TOWER
FOR: BLUEGRASS WIRELESS
SITE: RAYWICK
MARION COUNTY, KY
DESIGN PACKAGE**



06/29/18

GENERAL NOTES

1. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
2. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
3. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
4. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND OR PIPE AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
5. ALL STRUCTURAL BOLTS ARE ASTM A325X, THREADS EXCLUDED FROM SHEAR PLANE.
6. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA-222-G EVERY 5 YEARS.
7. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.



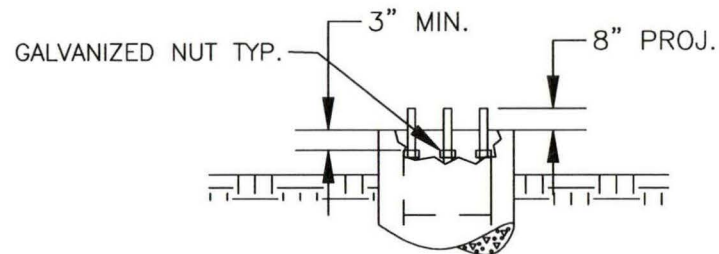
06/29/18

WORLD TOWER

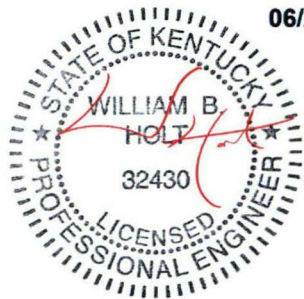
TITLE:

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

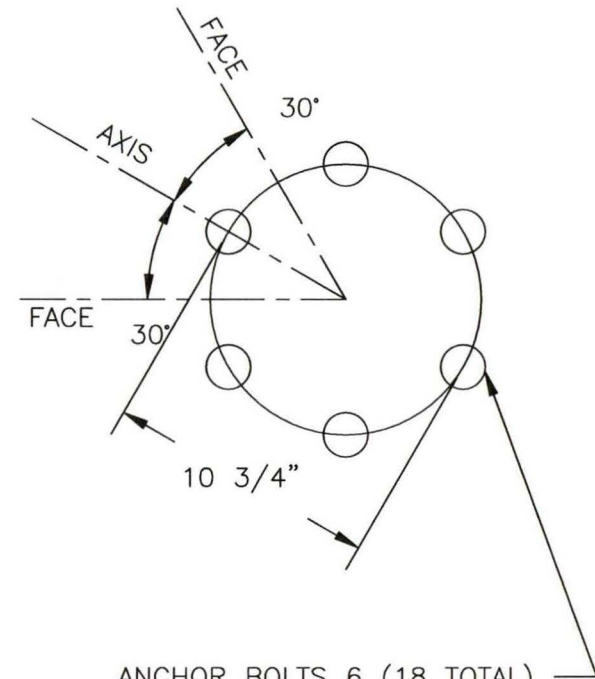
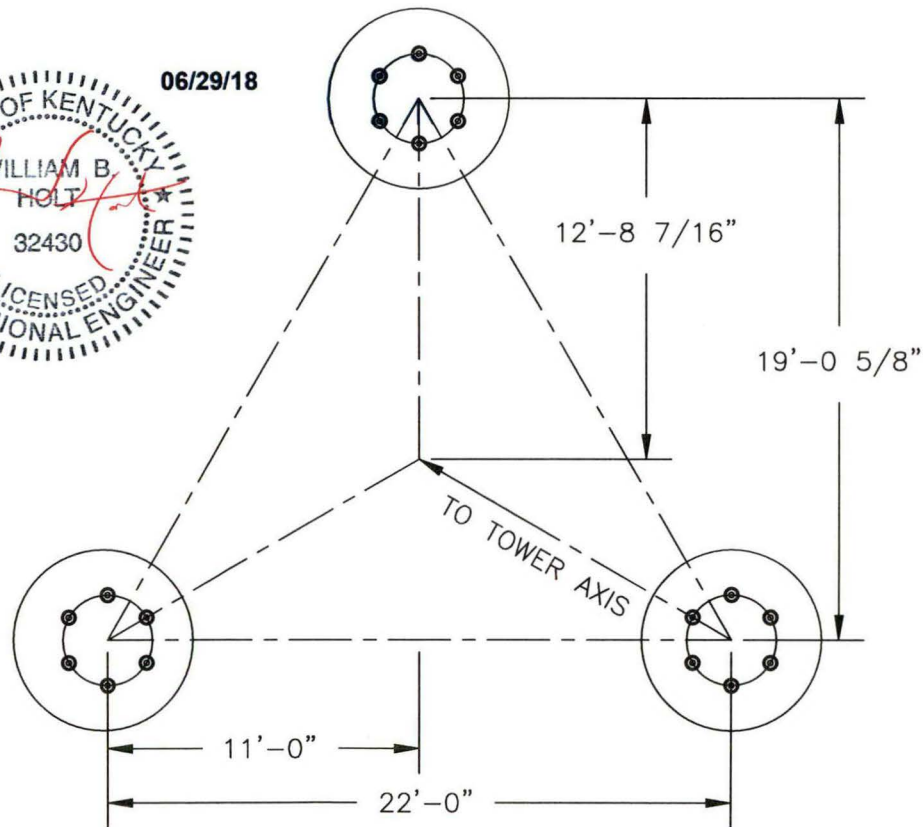
SCALE	DWN.	LKG	CKD.	DATE 6-29-18
			DWG. NO.	Q18618N



PIER ELEVATION



06/29/18



ANCHOR BOLTS 6 (18 TOTAL)
1 1/2" ϕ X 66" ASTM F1554-105
EQUALLY SPACED WITH TOP TEMPLATE
AND EMBEDDED PLATE

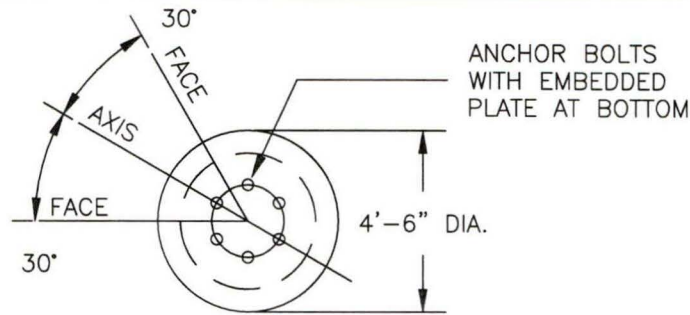
WORLD TOWER

TITLE:

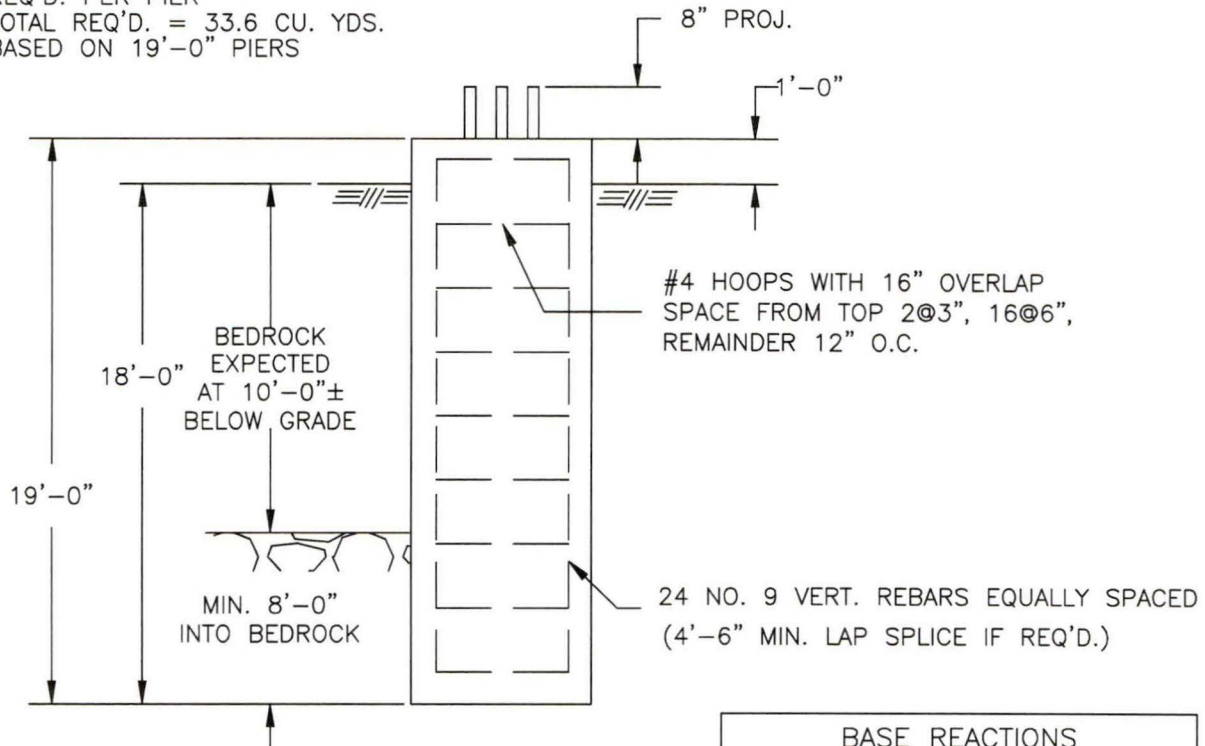
ANCHOR BOLT LAYOUT
240' MODEL WSST TOWER
FOR: BLUEGRASS CELLULAR
SITE: RAYWICK
MARION COUNTY, KY

SCALE NONE DWN. LKG CKD. DATE 6-29-18

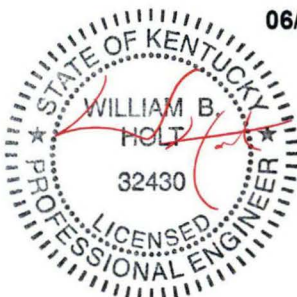
FILE DWG. NO. Q18618AB



11.2 CU. YDS. CONCRETE
REQ'D. PER PIER
TOTAL REQ'D. = 33.6 CU. YDS.
BASED ON 19'-0" PIERS



06/29/18



BASE REACTIONS	
OTM:	12126.0 FT. KIPS
COMP.	680.0 KIPS
UPLIFT	582.0 KIPS
SHEAR (3 LEGS)	87.0 KIPS
WT. NO ICE	130.0 KIPS
WT. 3/4" ICE	308.0 KIPS

GENERAL NOTES

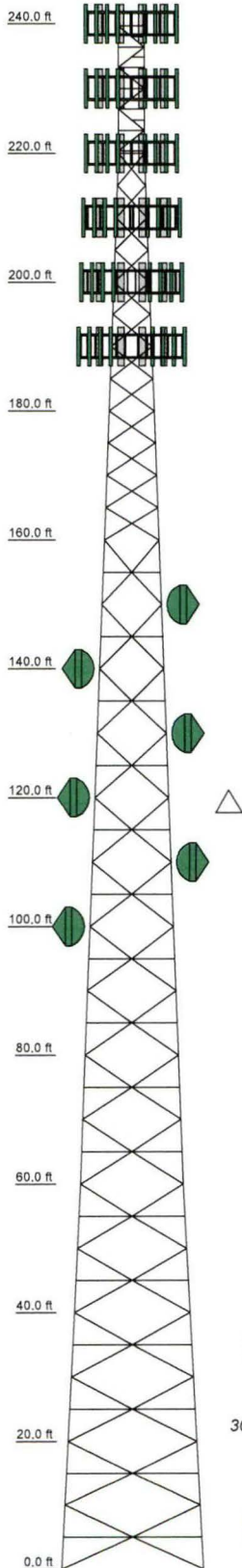
1. CONCRETE TO HAVE 4000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM TERRACON. PROJECT NUMBER 57185014 DATED MAY 19, 2018.

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

WORLD TOWER

SCALE	NONE	DWN.	LKG	CKD.	DATE	6-29-18
FILE				DWG. NO.	Q18618F	

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	
Legs	SR 1 3/4	SR 2 1/2	SR 3	SR 3 1/2	SR 3 3/4	SR 4	SR 4 1/4	SR 4 1/2	SR 4 3/4				
Leg Grade	SR 1 1/8												
Diagonals													
Diagonal Grade													
Top Girts													
Bottom Girts													
Horizontals													
Sec. Horizontals													
Face Width (ft)													
# Panels @ (ft)													
Weight (K)													



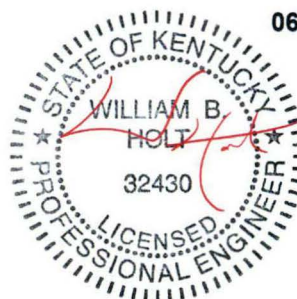
MATERIAL STRENGTH

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 89.00 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30.00 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Fall radius less than half tower height per customer spec
9. TOWER RATING: 93.3%

06/29/18



ALL REACTIONS
ARE FACTORED

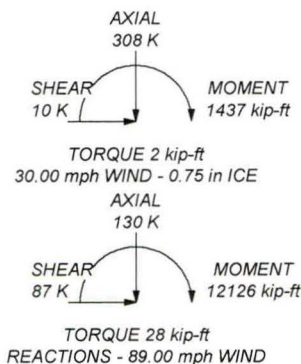
MAX. CORNER REACTIONS AT BASE:

DOWN: 680 K

SHEAR: 56 K

UPLIFT: -582 K

SHEAR: 49 K



World Tower Company

1213 Compressor Drive
Mayfield, KY

Phone: (270) 247-3642

FAX:

Job: 240' WSST / Run Q18618

Project: Raywick

Client: Bluegrass Cellular

Code: TIA-222-G

Path: G:\World Tower\KY\Q18618-Raywick\Analysis\Q18618.en

Drawn by: WBH

Date: 06/29/18

Dwg No: E-1

App'd:

Scale: NTS



Geotechnical Engineering Report

**Raywick Tower
240-foot Self-Support Telecommunications Tower
Raywick, Marion County, Kentucky**

May 19, 2018

Terracon Project No. 57185014

Prepared for:

Bluegrass Cellular, Inc.
Elizabethtown, KY

Prepared by:

Terracon Consultants, Inc.
Louisville, KY

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

May 19, 2018

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



Attn: Mr. Tim Ash
P: [270] 765 6361
E: tash@bluegrasscellular.com

Re: Geotechnical Engineering Report
Raywick Tower
240-foot Self-Support Telecommunications Tower
J. E. Bickett Road
Raywick, Marion County, Kentucky
Terracon Project No. 57185014

Dear Mr. Ash:

Terracon Consultants, Inc. (Terracon) has completed the geotechnical subsurface exploration, field testing, laboratory testing, and engineering evaluation for the Raywick Tower project. The purpose of this report is to provide geotechnical parameters for the subsurface materials for foundation design and earthwork considerations. This study was performed in general accordance with Terracon's Master Service Agreement dated March 7, 2001 and Kentucky RSA#4 Cellular General Partnership d/b/a Bluegrass Cellular Purchase Order PO-4988 dated January 31, 2018.

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.



Ryan C. Ortiz, P.E.
Senior Staff Geotechnical Engineer

A handwritten signature in black ink, appearing to read "Ben Taylor".

Benjamin W. Taylor, P.E.
Senior Associate, Office Manager

Terracon Consultants, Inc. 13050 Eastgate Park Way Ste 101 Louisville, KY 40223-3915
P (502) 456-1256 F (502) 456-1278 terracon.com

Environmental


Facilities

Geotechnical

Materials

REPORT TOPICS

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GEOTECHNICAL OVERVIEW	7
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Note: This report was originally delivered in a web-based format. **Orange Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks which direct the reader to that section and clicking on the  logo will bring you back to this page. For more interactive features, please view your project online at client.terracon.com.

ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES

SITE LOCATION AND EXPLORATION PLANS

EXPLORATION RESULTS (Boring Logs, Rock Core Photo Logs, and Laboratory Data)

SUPPORTING INFORMATION (General Notes and Unified Soil Classification System)

Geotechnical Engineering Report

Raywick Tower

J. E. Bickett Road

Raywick, Marion County, Kentucky

Terracon Project No. 57185014

May 19, 2018

INTRODUCTION

This report presents the results of our subsurface exploration and geotechnical engineering services performed for the proposed Raywick Tower to be located about 1,300 feet south of the intersection of J. E. Bickett Road and Raywick Road in Raywick, Marion County, Kentucky. The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Earthwork and site preparation
- Foundation design and construction
- Seismic site classification per IBC
- Floor slab design and construction

The geotechnical engineering scope of services for this project included the advancement of one test boring, which extended to about 35.5 feet below existing site grades. An additional boring was performed to obtain an undisturbed sample. The borings were located at the staked tower center.

Maps showing the site and boring locations are shown in the **Site Location Plan**, **Karst Potential Map**, and **Exploration Plan**, respectively. The results of the laboratory testing performed on soil samples obtained from the site during the field exploration are included on the boring log in the **Exploration Results** section of this report.

SITE CONDITIONS

The following description of site conditions is derived from our review of publicly-available geologic, topographic, and aerial maps.

Geotechnical Engineering Report

Raywick Tower ■ Raywick, Marion County, Kentucky

May 19, 2018 ■ Terracon Project No. 57185014



Item	Description
Parcel Information	<p>Based on review of the Site Sketch (file name: Site Candidate Information Form – Raywick) dated January 22, 2018, the project is located about 1,300 feet south of the intersection of J. E. Bickett Road and Raywick Road in Raywick, Marion County, Kentucky. The proposed area is surrounded by forest in all directions except for the south, which contains agricultural- fields.</p> <p>Latitude, Longitude: 37.554861°, -85.419417° (tower center)</p> <p>Please see the Site Location Plan (Exhibit A-1)</p>
Existing Improvements	<p>The proposed cell tower is located in a vacant, agricultural field.</p>
Current Ground Cover	<p>Based on review of aerial photographs, the area near the site contains grass-, soil-, and tree-covered areas.</p>
Existing Topography	<p>Based on review of USGS publicly-available existing topographic contours, the area nearby the proposed tower contains an approximate 8 percent grade downward to the northwest, with ground surface elevations ranging from about 633 to 625 feet within a 50-foot radius of the tower center. Based on review of the Site Sketch dated January 22, 2018, the ground surface elevation at the tower center is about 630 feet.</p>

PROJECT DESCRIPTION

Our initial understanding of the project was discussed in the project planning stage. A period of collaboration has transpired since the project was initiated, and our final understanding of the project conditions is as follows:

ITEM	DESCRIPTION
Proposed construction	<p>A new 240-foot-tall self-support tower is planned at the subject property. An equipment shelter may be constructed for equipment support.</p>
240-foot Self-Support Tower: Maximum loads (to be confirmed)	<p>The following loading conditions are anticipated at each tower leg.</p> <ul style="list-style-type: none">■ Vertical: 600 kips (to be confirmed)■ Shear: 80 kips (to be confirmed)■ Uplift: 500 kips (to be confirmed) <p>These anticipated loads are based on experience with similar projects. Loads should be confirmed by the project structural engineer. If loading conditions vary from those stated above, Terracon should review the recommendations in this report and confirm they are applicable.</p>
240-foot Self-Support Tower: Maximum allowable settlement (to be confirmed)	<p>1-inch (to be confirmed)</p>

Geotechnical Engineering Report

Raywick Tower ■ Raywick, Marion County, Kentucky

May 19, 2018 ■ Terracon Project No. 57185014



ITEM	DESCRIPTION
Equipment building: Maximum loads (to be confirmed)	Column: 34 kips (to be confirmed) Wall: 1.5 kips/ft (to be confirmed) These anticipated loads that are shown are based on experience with similar projects. Loads should be confirmed by the project structural engineer. If loading conditions vary from those stated above, Terracon should review the recommendations in this report and confirm they are applicable.
Equipment building: Maximum allowable settlement (to be confirmed)	Total: 1-inch (to be confirmed) Differential: ¾ inch over 40 feet (to be confirmed)
Grading (to be confirmed)	Please see the Site Conditions for additional details using the existing site topography. Based on our understanding of the existing site topography, we anticipate cuts and fills of 4 feet or less will be required. Terracon should be retained to review the topographic plan and grading plan upon availability relative to the recommendations contained in this report.

GEOTECHNICAL CHARACTERIZATION

Regional Soil Geology

Formation ¹	Description
New Albany Shale	Shale in this formation ranges from dark-gray to olive-black and weathers to very light gray to light brownish gray. It is massive and blocky where fresh, fragmented where weathered, and contains interbedded grayish-green to yellowish-gray, clay-like shale.
Brassfield Dolomite	Dolomite in this formation ranges from olive-gray to dark-yellowish-brown and weathers to greenish gray, light gray to brown, and dusky yellowish green, with reddish-brown specks.
Drakes Formation	Saluda Dolomite and Limestone member includes greenish-gray, dark-greenish-gray, and dusky-yellow. The material weathers light olive gray and yellowish orange to moderate yellowish brown. The silty dolomite in beds may be internally laminated.
	The Bardstown Limestone member ranges from olive- to greenish-gray and weathers yellowish gray. The material is very fine-grained, silty, and is commonly found in beds 2 to 4 inches thick. Thin olive-gray, calcareous shale may be encountered in this formation.
	The Rowland Member is comprised of limestone, dolomite, and shale. Limestone in this member is light-olive-gray, mottled pale-grayish-green to greenish-gray and weathers yellowish gray to light greenish gray. The limestone contains karst-susceptibility, is very fine grained, and contains pockets of medium-grained fossil fragments. Dolomite in this member is yellowish-gray to greenish-gray, weathers in silt-sized grains that include clay in the cracks and seams. Shale is light olive-gray to greenish-gray and weathers yellowish gray. Shale is generally encountered in thin layers, however, maximum thicknesses of 5 feet may be encountered locally near top of unit.

1. Based on the Geologic map of the Raywick quadrangle, Marion County, published by U.S. Geological Survey (Quadrangle GQ-1048).
2. The proposed cell tower is planned near the interface of three geologic formations. Whereas the boring location was mapped in the New Albany Shale formation, limestone and dolomite were encountered in our boring located at the tower center.

The Drakes and Brassfield formations are low to moderately susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels developing within the rock strata creating a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to

Geotechnical Engineering Report

Raywick Tower ■ Raywick, Marion County, Kentucky

May 19, 2018 ■ Terracon Project No. 57185014



as karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of structures situated above the karst features. The risks associated with karst geology are common for the project vicinity and are not unique to this site.

Subsurface Profile

We have developed a general characterization of the subsurface soil and groundwater conditions based upon our review of the data and our understanding of the geologic setting and planned construction. The following table provides our geotechnical characterization at Boring B-1.

Subsurface conditions at the boring location can be generalized as follows:

Stratum	Approximate Depth to Bottom of Stratum (feet)	Material Description	Consistency/Density
Surficial Material ¹	0.8	Topsoil	N/A
Stratum 1	3.5	Shale ²	SPT N-value of 36 bpf
Stratum 2	6.5	Fat Clay (CH) ³	Medium Stiff SPT N-values of 5 bpf Hand penetrometer values of 2,500 psf
Stratum 3	Undetermined	Limestone and Dolomite ⁴	Recovery: 91 to 100% RQD: 58 to 92% Unconfined compressive strength results ranging from 9,220 to 10,890 psi

1. Topsoil was encountered at Boring B-1.

2. Shale was encountered at Boring B-1. Moisture content test results were 13 percent.

3. Fat Clay (CH) was encountered at Boring B-1. Atterberg limit tests at the split spoon sample obtained at B-1 from 3.5 to 5 feet below existing grade resulted in liquid limit (LL) of 82 percent and plastic limit (PL) of 34 percent. Moisture contents ranged from 38 to 41 percent.

4. Auger refusal on limestone bedrock was encountered at a depth of about 6.5 feet below existing grade and our boring was advanced into this stratum by rock coring techniques to a depth of 36.5. Interbedded clay seams were observed in the recovered rock core from 9.5 to 10 feet below existing grade. Unit Weight test results range from about 155.8 to 162.9 pcf.

Auger refusal is defined as the depth below the ground surface at which a test boring can no longer be advanced with the soil drilling technique being used. In an area of limestone bedrock, auger refusal can result on slabs of unweathered limestone suspended in the residual soil matrix ("floaters"), on rock "pinnacles" rising above the surrounding bedrock surface, in widened joints that

Geotechnical Engineering Report

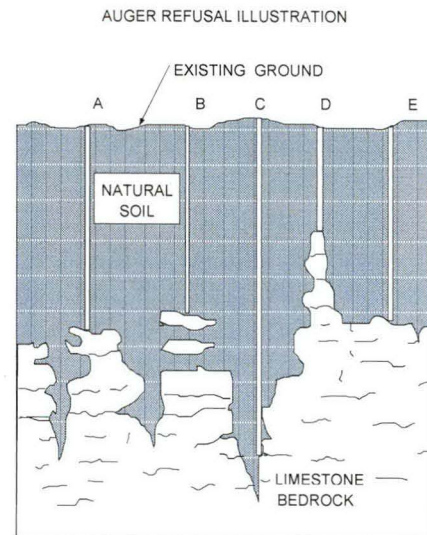
Raywick Tower ■ Raywick, Marion County, Kentucky

May 19, 2018 ■ Terracon Project No. 57185014



may extend well below the surrounding bedrock surface, or on the upper surface of continuous bedrock. Several of these possible auger refusal conditions are illustrated in the adjacent figure.

The Drakes and Brassfield Limestone bedrock formation is known for producing several obstructions that can cause the augers to refuse above sound bedrock. These obstructions can range from floaters to rock pinnacles as illustrated in Examples A, B, C, and D in the figure. Depth to competent bedrock in areas of karst geology can vary greatly over short distances. The possibility of varying depths to bedrock should be considered when developing the design and construction plans for this project. Rock core operations were performed to better explore the refusal materials. Interbedded clay seams were observed in the recovered rock core from 9.5 to 10 feet below existing grade. See the Karst Potential Plan in the Appendix (Exhibit A-1B). The risks associated with karst geology are common for the project vicinity and are not unique to this site.



THIS FIGURE IS FOR ILLUSTRATIVE PURPOSES ONLY AND DOES NOT NECESSARILY DEPICT THE SPECIFIC BEDROCK CONDITIONS AT THIS SITE

Competent limestone bedrock was encountered at about 6.5 feet below existing grade. Sample recovery in competent limestone ranged from 91 to 100 percent. The quality of the core obtained in competent bedrock is considered to be fair to excellent with RQD values ranging from of 58 to 92 percent.

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 types; in-situ, the transition between materials may be gradual. Further details of the boring can be found on the boring log in the Appendix of this report. Photographs of the rock core samples can be observed in the Rock Core Photography Log (Exhibit A-5).

Groundwater Conditions

The boreholes were observed while drilling for the presence and level of groundwater. No groundwater was observed in the remaining borings for the short duration that the borehole was open. Due to the low permeability of the soils encountered in the borings, a relatively long period of time may be necessary for a groundwater level to develop and stabilize in a borehole in these materials. Long-term observations in piezometers or observation wells sealed from the influence of surface water are often required to define groundwater levels in materials of this type. As water was introduced into the borehole for the coring operation, the groundwater table could be present within the depth of our boring.

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff, and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project. In particular, this project has potential for trapped/perched water at the overburden/bedrock interface.

GEOTECHNICAL OVERVIEW

The following sections describe pertinent geotechnical considerations identified by the exploration and laboratory testing. Site preparation recommendations, including subgrade improvement, fill placement, and excavations are provided in the **Site Preparation** section.

Karst Potential

The project site has been located at an area with low to moderate karst potential. Direct indicators of active karst activity were not observed in the soil overburden. Karst features, including interbedded clay seams from about 9.5 to 10 feet below existing grade and calcite crystal layers, were observed in the recovered rock sample from our boring located at the tower center.

Any structure with shallow foundation constructed at this site could experience subsidence (settlement) due to karst activity. Should shallow foundations be selected for tower or equipment building structural support, the client should be prepared to accept the risk for of construction in karst topography with known buried karst features. The recommendations and parameters provided in this report have considered the conditions encountered at the boring location, and does not consider possible future subsidence, which is unpredictable.

Competent limestone bedrock was encountered at a depth of 6.5 feet below existing grade, at auger refusal. However, interbedded clay seams were observed in the recovered rock core from 9.5 to 10 feet below existing grade. To mobilize the strength parameters recommended in the **Deep Foundations** section of our report for each layer, the pier should be embedded a minimum of 3 feet into each layer to use the parameters. The drilled pier should be tipped at a minimum depth of about 10 feet below existing grade.

Pyritic (Expansive) Shale

New Albany Shale is described by the Kentucky Geological Survey (KGS) as calcareous pyritic shale. Pyritic shales have potential to swell causing a wide range of construction issues related to heaving affecting new construction. Based on local experience and KGS mapping, New Albany Shale was identified at Boring B-1 in the top 3.5 feet below existing grade.

Due to the expansive shales encountered in our borings, any excavated shale should be completely removed from the site and should not be reused as new, engineered fill. All over-excavated, expansive shales should be removed from load-bearing areas and 10 feet laterally from any structures (i.e. foundations, slabs, pavements, utilities, etc).

High Plasticity Clay

High plasticity fat clays (CH) were encountered at Boring B-1 from 3.5 to 6.5 feet below existing grade. Atterberg limits testing of a representative sample resulted in a liquid limit (LL) of about 82 percent and plastic limit (PL) of about 34 percent. High plasticity clays may be encountered at bearing elevations for any shallow foundations or floor slabs on this project.

High-plasticity soils are potentially expansive and could adversely affect lightly-loaded foundations, floor slabs, and pavements. Where high plasticity soils are encountered within shallow foundation excavations, the excavations should be over-excavated to provide a minimum 2-foot-thick layer of low volume change material. Low volume change material used for backfilling over-excavations should meet the requirements of the **Material Types** section of this report. The low volume change layer will reduce risk but not eliminate the risk of the high plasticity clays adversely affecting lightly-loaded structures. A swell test could be performed to quantify the amount of swell. To eliminate this risk, deep foundations (i.e. drilled piers) would be considered for foundation support. Additional recommendations concerning foundation over-excavation are provided in the **Shallow Foundations** section.

Soft to Medium Stiff Soils

Medium stiff soils were encountered from 3.5 to 6.5 feet below existing grade at Boring B-1. Soft to medium stiff soils should be anticipated at this site. Prior to floor slab construction, subgrade material should be proof-rolled with a loaded dump truck to help delineate any soft, medium stiff, or otherwise unsuitable material. Soils at the foundation bearing elevation should be tested by the geotechnical engineer or representative during foundation excavations to delineate any soft, medium stiff, or otherwise unsuitable material. Any soft to medium stiff soils identified by proof-rolling or foundation inspection should be remediated. After initial stripping, site preparation, and foundation excavations, medium stiff soils should be stabilized undercutting and re-compacting to stiff or better material.

Deep Foundation Casing Considerations

Water was introduced into the borehole for our coring operations. Long-term monitoring of the groundwater was not a part of this scope of work. Groundwater could be encountered during the drilling for the drilled pier. If groundwater seepage is encountered, water should be removed from each pier hole prior to concrete placement. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction.

Due to the combination of medium stiff soils encountered in our boring and the possible presence of groundwater, the contractor should have temporary casing available onsite during construction of the drilled pier to control seepage and/or caving soil, if encountered. The need for casing should be anticipated throughout the length of the drilled pier installation depth, where karst conditions were encountered (ie. clay seams in bedrock). The casing should be carefully extracted from the drilled pier excavation following concrete placement.

Variable Geologic Conditions

The proposed cell tower is planned near the interface of three geologic formations. Please see the **Site Characterization** section of this report for additional details. Whereas the boring location was mapped in the New Albany Shale formation, limestone and dolomite was encountered in our boring located at the tower center. We are available to perform additional borings at each tower leg to confirm material type. If material types are encountered during construction of the tower foundation, we should be retained to perform additional work and revise the recommendations provided in this report. Further, variable material types should be anticipated during site development for the cell tower compound. Additional borings would be needed to characterize the material types and depths across the site.

Foundation Support

Site grading, structural loading, and foundation plans are unknown at this time. Anticipated loads are based on experience with similar projects. The loading conditions provided in this report should be confirmed by the project structural engineer. If loading conditions vary from those stated above, Terracon should be retained to review the recommendations in this report.

Should shallow foundations be selected for tower foundation support, the tower mat foundation should bear on competent limestone bedrock encountered at about 6.5 feet below existing grade. The weathered shale and fat clays encountered above refusal are not suitable for tower foundation support based on the anticipated loading conditions. A mat foundation bearing on competent limestone bedrock can be dimensioned for a net allowable soil bearing pressure of 10,000 psf. Design parameters for deep foundations have also been provided. If shallow foundations are selected for tower support, the client should be willing to accept risk associated with karst topography, otherwise, deep foundations should be selected for tower support.

The equipment shelter foundation can be dimensioned for a net allowable soil bearing pressure of 1,500 psf for isolated spread footings and 1,250 psf continuous wall footings. The equipment structure can be supported by shallow foundations bearing on undisturbed, at least **medium stiff** natural cohesive soils or new lean clay engineered fill or lean concrete placed directly on at least stiff native soils.

Inspection of the bearing conditions should be performed by a geotechnical engineer or representative to identify any potential karst conditions. Any undercut and replacement of unsuitable soils should be replaced with new engineered fill meeting the requirements of the Material Types in the **Site Preparation** section of this report. Additional recommendations for design and construction of foundations are presented in the following sections.

EARTHWORK

Earthwork will include clearing and grubbing, excavations and fill placement. The following sections provide recommendations for use in the preparation of specifications for the work. Recommendations include critical quality criteria as necessary to render the site in the state considered in our geotechnical engineering evaluation for foundations.

Site Preparation

The following presents recommendations for site preparation, excavation, and fill placement. Special considerations will be needed where site grading may expose unstable soils. Our recommendations presented for design and construction of earth supported elements (i.e. foundations, slabs, etc.) are contingent upon following the recommendations outlined in this section. Due to the karst features, high-plasticity clays, expansive shale, and medium stiff soils encountered in our borings, earthwork activities on the project should be observed and evaluated by Terracon.

Prior to placing fill to raise grades (if needed), the site should be grubbed and all vegetation, topsoil and any otherwise unsuitable material should be removed from the construction area. Wet or dry material should either be removed or moisture conditioned and recompacted to the project specified densities and moisture contents. Any unsuitable materials should be undercut and replaced with low volume change material meeting the requirements of the **Fill Material Requirements** section of this report. We recommend the actual stripping depth and undercutting of unsuitable soils be observed and documented by a representative of Terracon during construction. After stripping, excavation, and prior to filling to planned final grades, the subgrade should be proof-rolled with a loaded dump truck where possible to aid in locating loose or soft areas. Where proofrolling is not possible, the subgrade should be evaluated by observation and probing to aid in locating unsuitable or unstable areas. Unstable materials delineated by proofrolling should be removed and replaced with suitable compacted fill material. The appropriate method and amount of stabilization, if required, should be determined at the time of construction based on observations by the geotechnical engineer.

It should be noted that the on-site clayey soils may be susceptible to disturbance from construction activity, particularly if the soil has high natural moisture and is wetted by surface water or seepage.

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Therefore, care should be taken during the site grading operation to provide adequate site drainage and minimize disturbance of the bearing soils.

Fill Material Requirements

All imported material or on-site material proposed for reuse should be tested to verify conformance with the material property and placement recommendations in this section. Engineered fill should meet the following material property requirements:

Fill Type ¹	USCS Classification	Acceptable Location for Placement
Lean Clay ²	CL (LL<50% & PI>15)	All locations and elevations. Lean clay was not encountered in our test boring.
Fat Clay ²	CH (LL>50%)	Not recommended for use as structural fill within 2 feet of any structures (i.e. floor slabs and foundations).
New Albany Shale	N/A	Should be removed from the site, or at a minimum, placed more than 10 feet from any structure.
Well graded granular and silty gravel	GM-GW GM	All locations and elevations
Low Volume Change Material	CL or GM-GW, GM ³ and (LL<50% & 5<PI<15)	All locations and elevations

1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. Frozen material should not be used, and fill should not be placed on a frozen subgrade. A sample of each material type should be submitted to the geotechnical engineer for evaluation.
2. Delineation of lean clays and fat clays should be performed in the field by a qualified geotechnical engineer or their representative, and could require additional laboratory testing.
3. Similar to KYTC DGA or crushed stone base limestone, limestone screenings, or granular material such as sand, gravel or crushed stone containing not more than 14% non-plastic fines.

Fill Compaction Requirements

Structural and general fill should meet the following compaction requirements.

ITEM	DESCRIPTION
Fill Lift Thickness	8-inches or less loose thickness for heavy, self-propelled compaction equipment. 4- to 6-inches loose thickness for hand-guided equipment (i.e. jumping jack or plate compactor).
Compaction Requirements ¹ (Structural Areas)	At least 98% of the materials Standard Proctor maximum dry density (ASTM D 698)

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ITEM	DESCRIPTION
Compaction Requirements (Landscape Areas)	At least 95% of Standard Proctor maximum dry density (provided long-term plans do not include a structure in these areas)
Moisture Content - Cohesive Soils	Within the range of 2% below to 3% above the optimum moisture content (OMC) as determined by the Standard Proctor test at the time of placement and compaction
Moisture Content - Granular Material ²	Within workable moisture levels / $\pm 2\%$ of OMC

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

Utility Trench Backfill

All trench excavations should be made with sufficient working space to permit construction including backfill placement and compaction. If utility trenches are backfilled with relatively clean granular material, they should be capped with at least 18 inches of cohesive soil to reduce the infiltration and conveyance of surface water through the trench backfill.

Utility trenches are a common source of water infiltration and migration. All utility trenches that penetrate beneath the foundation should be effectively sealed to restrict water intrusion and flow through the trenches that could migrate below the foundation with a clay plug. The plug material should consist of clay compacted at a water content at or above the soil's optimum water content. The clay fill should be placed to completely surround the utility line and be compacted in accordance with recommendations in this report.

Grading and Drainage

Effective site drainage is important both during construction and during the life of the structures. Adequate drainage will be necessary to control and divert stormwater runoff away from the site. Final surrounding grades should be sloped away from the foundations to prevent ponding of water.

Excess materials generated during site grading, including soils unsuitable for use as engineered fill (i.e. high-plasticity material, topsoil, etc.), and may be placed as fill in non-structural landscape areas and in the construction of landscape berms. To the extent possible, these materials should be placed in accordance with the **Fill Compaction Requirements**.

Earthwork Construction Considerations

Although the exposed subgrade may 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. It is recommended that construction activities be performed during drier weather, if possible. Some subgrade instability should be anticipated if construction is planned during wet weather that may require undercutting and/or stabilization. The use of light construction equipment would aid in reducing subgrade disturbance. Should unstable subgrade conditions develop, stabilization measures will need to be implemented.

Shallow excavations are anticipated to be accomplished with conventional construction equipment. Upon completion of filling and grading, care should be taken to maintain the subgrade water content prior to placement of utilities. Construction traffic over the completed subgrades should be avoided. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. Water collecting over, or adjacent to, construction areas should be removed. If the subgrade freezes, desiccates, saturates, or is disturbed, the affected material should be removed, or the materials should be scarified, moisture conditioned, and recompacted, prior to foundation construction.

At a minimum, all temporary excavations should be sloped or braced as required by OSHA guidelines to provide stability and safe working conditions, and to protect the integrity of adjacent structures. Temporary excavations will probably be required during grading operations and utility trenches. 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 Occupational Safety and Health Administration (OSHA) Excavation and Trench Safety Standards.

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety, or the contractor's activities; such responsibility shall neither be implied nor inferred.

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.

SHALLOW FOUNDATIONS

If the site has been prepared in accordance with the recommendations in this report, the following design parameters are applicable for shallow foundations.

Tower Mat Foundation Design Parameters

Parameter	Mat
Maximum net allowable bearing pressure on competent limestone bedrock or engineered fill placed on acceptable subgrade ¹	10,000 psf
Minimum foundation plan dimensions	24 inches
Required bearing stratum ²	Competent limestone bedrock encountered 6.5 feet below existing grade in our boring at the tower center
Ultimate coefficient of sliding friction	0.30
Ultimate passive pressure ³	350 psf (below 3 feet)
Minimum embedment below finished grade for frost protection ⁴	24 inches
Est. total settlement from structural loads ⁵	< 1 inch

1. The maximum net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the mat base elevation. An appropriate factor of safety has been applied.
2. Unsuitable or soft soils should be undercut, and the mat should be deepened to bear on the competent bearing stratum or could bear on lean concrete or new engineered fill extending from the foundation base to competent bearing stratum.
3. The sides of the excavation for the mat foundation must be nearly vertical and the concrete should be placed neat against these vertical faces for the passive earth pressure value 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 subsurface profile should be neglected.
4. To reduce the effects of seasonal moisture variations in the subgrade soils.
5. The foundation settlement will depend upon embedment depth of the mat, the quality of the earthwork operations, and conformance with soil improvement methods recommended in this report. The estimated settlements are based on recommended allowable bearing pressures, long-term settlement will depend on the quality and uniformity of the engineered fill placement.

Due to the expansive shales encountered in our borings, any excavated shale should be completely removed from the site and should not be reused as new, engineered fill. All over-excavated, New Albany shale should be removed from load-bearing areas and 10 feet laterally from any structures (i.e. foundations, slabs, pavements, utilities, etc). Where high plasticity soils are encountered within the foundation excavations, the excavations should be over-excavated to provide a minimum 2-foot-thick layer of low volume change material.

Equipment Shelter Shallow Foundation Design Parameters

Parameter	Mat	
Maximum net allowable bearing pressure on existing soils or engineered fill placed on acceptable subgrade ¹	1,500 psf	1,250 psf
Minimum foundation plan dimensions	24 inches	18 inches
Required bearing stratum ²	Engineered fill or lean concrete extending to at least stiff clay	
Ultimate coefficient of sliding friction	0.30	
Ultimate passive pressure ³	350 psf (below 3 feet)	
Minimum embedment below finished grade for frost protection ⁴	24 inches (48 inches for fat clays)	
Est. total settlement from structural loads ⁵	About 1 inch	
Estimated differential settlement ⁵	< 3/4 inch	

1. The maximum net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. An appropriate factor of safety has been applied.
2. Unsuitable or soft soils should be undercut, and the footings should be deepened to bear on the competent bearing stratum or could bear on lean concrete or new engineered fill extending from the foundation base to competent bearing stratum. Fat clays at this site should be undercut a minimum 24 inches and replaced with suitable materials, or deepened to bear 48 inches below existing grade.
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 value 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 subsurface profile should be neglected.
4. For perimeter footing and footings beneath unheated areas. Also to reduce the effects of seasonal moisture variations in the subgrade soils.
5. The foundation settlement will depend upon embedment depth of the footings, the quality of the earthwork operations, and conformance with soil improvement methods recommended in this report. The estimated settlements are based on recommended allowable bearing pressures, long-term settlement will depend on the quality and uniformity of the engineered fill placement.

Foundation Construction Considerations

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

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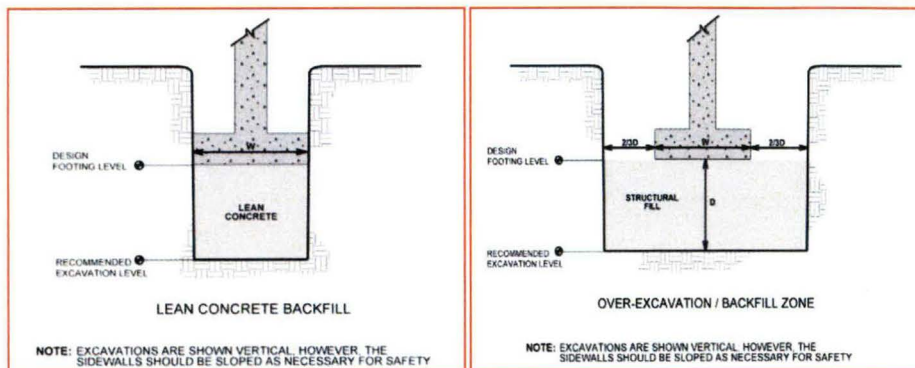
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bearing soils if the excavations must remain open over night or for an extended period of time. It is recommended that the geotechnical engineer be retained to observe and test the soil foundation bearing materials.

If unsuitable bearing soils are encountered in footing excavations, the excavations should be extended deeper to suitable soils and the footings could bear directly on these soils at the lower level or on lean concrete backfill (minimum of 500 psi) placed in the excavations. The footings could also bear on properly compacted lean clay backfill extending down to the suitable soils. Overexcavation for compacted lean clay backfill placement below footings should extend laterally beyond all edges of the footings at least 8 inches per foot of overexcavation depth below footing base elevation. The overexcavation should then be backfilled up to the footing base elevation with engineered fill as described in the **Compaction Requirements** section placed in lifts of 8 inches or less in loose thickness and compacted to at least 98 percent of the material's maximum dry density as defined by the Standard Proctor (ASTM D 698). The overexcavation and backfill procedure is illustrated in the following figures for lean concrete or lean clay structural fill.



DEEP FOUNDATIONS

Design/Analysis Parameters for Deep Foundations

Based on the results of the test boring data and laboratory testing, we have developed the following drilled pier soil and rock design parameters:

Approximate Depth (feet)	Allowable Skin Friction (psf)	Allowable End Bearing Capacity (psf)	Undrained Shear Strength, c (psf)	Unit Weight (pcf)	Strain ϵ_{50}	Lateral Subgrade Modulus, k (pci)	Model
0 – 3	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore	Ignore
Fat Clay 3 – 6.5	300	--	750	100	0.010	60	Stiff Clay w/o water
Limestone Bedrock with Karst Features 6.5 - 10	2,000	10,000 ¹	100,000	145	$k_{rm}=0.00001$	3000	Strong Rock (RQD=58)
Competent Limestone Bedrock 10 – 36.5	10,000	60,000	500,000	155	$k_{rm}=0.00001$	3000	Strong Rock (RQD=58)

1. Interbedded clay seams were observed in the recovered rock core from 9.5 to 10 feet below existing grade. The drilled pier should be tipped at a minimum depth of about 10 feet below existing grade.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and bearing capacity have a factor of safety of at least 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 pier should be socketed at least 3 feet into the bearing stratum. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. If the drilled pier is designed using the above parameters and bear within the limestone bedrock, settlement is anticipated to be about ½ inch or less.

Deep Foundation Construction Considerations

Water was introduced into the borehole for our coring operations. Long-term monitoring of the groundwater was not a part of this scope of work. Groundwater could be encountered during the drilling for the drilled pier. If groundwater seepage is encountered, water should be removed from each pier hole prior to concrete placement. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction.

Due to the combination of potentially soft soils and groundwater, the contractor should have temporary casing available onsite during construction of the drilled pier to control seepage and/or caving soil and/or rock, if encountered. The casing should be extracted from the drilled pier excavation following concrete placement.

Difficult drilling conditions may be encountered due to hard, karst limestone. The contractor should be prepared to penetrate bedrock with chert and competent limestone. Due to the karst features encountered at our boring location, the bottom of the excavation should be inspected carefully by a qualified geotechnical engineer or representative for voids, clay layers, or any otherwise unsuitable bearing conditions due to karst topography.

Drilled piers should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and inspection of the bedrock surface from the ground. The pier should be mobilized 3 feet below the top of competent bedrock for each layer, to mobilize the high strength parameters provided. Interbedded clay seams were observed in the recovered rock core from 9.5 to 10 feet below existing grade. The drilled pier should be tipped at a minimum depth of about 10 feet below existing grade.

If groundwater seepage is encountered, water should be removed from each pier hole prior to concrete placement. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction. The contractor should have temporary casing available onsite during construction of the drilled pier to control seepage and/or caving soil, if encountered.

Based on compressive strength and rock quality data, we expect that advancement of piers to minimum embedment in rock could be achieved by a rock auger equipped with self-rotating cutter bits or by rock coring. However, advancement method may vary between contractors depending on experience and their evaluation of penetration rates for the site conditions.

The bottom of the shaft should be free of loose soil or debris prior to reinforcing steel and concrete placement. We recommend that the specifications state that reinforcing steel and pier concrete be placed the same day as the shaft is drilled. No completed shaft excavation should be allowed to remain open overnight. It is suitable, however, for the contractor to excavate a portion of the drilled shaft and then complete the shaft excavation the next day.

If pier concrete cannot be placed in dry conditions, a tremie should be used for concrete placement. Free-fall concrete placement in piers will only be acceptable if provisions are taken to avoid striking the concrete on the sides of the hole or reinforcing steel. The use of a bottom-dump hopper or tremie discharging near the bottom of the hole where concrete segregation will be minimized, is recommended. Due to potential sloughing and raveling, foundation concrete quantities may exceed calculated geometric volumes.

Adequate performance of the drilled shaft foundations will be highly dependent on the contractors installation techniques used to construct the foundation elements. At a minimum, the following inspection criteria should be incorporated as a requirement for construction of the drilled piers.

Bearing conditions of the drilled pier foundations should be evaluated by a qualified geotechnical engineer at the time of construction to confirm suitable end bearing on competent bedrock and to provide recommendations if unsuitable bearing materials are encountered. Entry of personnel into the drilled pier foundations is not required and is strongly discouraged for this project. The evaluation of the piers should include the following:

- Contractor should advance a test hole with an air track drill through the bedrock bearing surface to a depth of at least two times the pier diameter to check for discontinuities in the bedrock that may require additional rock removal.
- The number of test holes at each pier location would be determined by the geotechnical engineer's representative based on the field test results.
- Significant discontinuous rock layers may require additional rock removal as directed by the engineer's representative.
- Prior to installation of the reinforcing steel cage, the base of each pier should be sounded to check for voids or clay seams in the underlying bedrock. This could be done by dropping the drill rig Kelly bar onto the exposed bedrock surface at selected locations.
- Visual evaluation of the exposed bearing surface should be performed by the engineer's representative to confirm that the base is free from loose material, soil, water or other unsuitable materials. Visual inspection to determine the suitability of the shaft bottom using either a flashlight or reflected light with a mirror may be conducted from the ground surface.

SEISMIC CONSIDERATIONS

Design of buildings and other structures subject to earthquake ground motions requires classification of the upper 100 feet of the site profile in accordance with Chapter 20 of ASCE 7. The Site Class types are listed below and are basically defined by an average value of either shear wave velocity, standard penetration resistance, or undrained shear strength.

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- A. Hard Rock
- B. Rock
- C. Very dense soil and soft rock
- D. Stiff soil
- E. Soft clay soil
- F. Soils vulnerable to potential failure or collapse under seismic loading

Based on the results of our site characterization program, we conclude that Site Class B is appropriate for the subject site. Note that the scope of services did not include site profile determination to a depth of 100 feet. Exploration for this project extended to a maximum depth of 35.5 feet below existing grade. We have assumed that the limestone layer encountered above our termination depth extend to 100+ feet.

FLOOR SLABS

Due to the expansive shales encountered in our borings, any excavated shale should be completely removed from the site and should not be reused as new, engineered fill. All over-excavated, shales should be removed from load-bearing areas and 10 feet laterally from any structures (i.e. slabs, pavements, utilities, etc). Where fat clays are encountered at the subgrade elevation, a minimum 2-foot undercut and replacement should be performed below the floor slab bearing elevation. Following the 2-foot undercut, the exposed material should pass a proof-roll. Native soils below the floor slab bearing elevation should pass a proof-roll observed by a geotechnical engineer or representative. Please refer to the **Site Preparation** section of this report for additional details regarding the partial undercut and replacement below floor slab subgrade elevation.

Design Parameters

Item	Description
Floor slab support	New engineered fill, at least 2-feet of low volume change material (CL), or lean concrete extending to at least very stiff native soils
Modulus of subgrade reaction	100 pounds per square inch per in (psi/in) for point loading conditions
Aggregate base course/capillary break ¹	Minimum 4 inches of free-draining granular material
Vapor Barrier	Project Specific ²
Structural considerations	Floor slabs should be structurally independent of building ³

1. The floor slab design should include a capillary break, comprised of free-draining, compacted, granular material, at least 4 inches thick. Free-draining granular material should have less than 5 percent fines (material passing the #200 sieve).
2. The use of a vapor retarder should be considered beneath concrete slabs on grade that will be covered with wood, tile, carpet or other moisture sensitive or impervious coverings, or when the slab will support equipment sensitive to moisture. When conditions warrant the use of a vapor retarder, the slab designer should refer to ACI 302 and/or ACI 360 for procedures and cautions regarding the use and placement of a vapor retarder.
3. Floor slabs should be structurally independent of any building footings or walls to reduce the possibility of floor slab cracking caused by differential movements between the slab and foundation. Where floor slabs are tied to perimeter walls or turn-down slabs to meet structural or other construction objectives, our experience indicates that any differential movement between the walls and slabs will likely be observed in adjacent slab expansion joints or floor slab cracks that occur beyond the length of the structural dowels. The structural engineer should account for this potential differential settlement through use of sufficient control joints, appropriate reinforcing or other means.

Floor Slab Construction Considerations

Prior to construction of grade supported slabs, varying levels of remediation may be required to reestablish stable subgrades within slab areas due to construction traffic, rainfall, disturbance, desiccation, etc. As a minimum, the following measures are recommended.

- Confirm that interior trench backfill placed beneath slabs is compacted in accordance with recommendations outlined in the **Site Preparation** section of this report.
- All floor slab subgrade areas should be moisture conditioned and properly compacted to the recommendations in this report immediately prior to placement of the stone base and concrete.

Floor Slab Subgrade Preparation

On most project sites, the site grading is generally accomplished early in the construction phase. However, as construction proceeds, the subgrade may be disturbed due to utility excavations, construction traffic, desiccation, rainfall, etc. As a result, the floor slab subgrade may not be suitable for placement of aggregate base and concrete and corrective action will be required. Additional protection, stabilization measures may be necessary and requires specific field evaluation. We recommend floor subgrades be maintained in a relatively moist condition until floor slabs are constructed. If the subgrade should become desiccated prior to construction of floor slabs, the affected material should be removed or the materials scarified, moistened, and recompact. Upon completion of grading operations in the building areas, care should be taken to maintain the recommended subgrade moisture content and density prior to construction of the equipment building floor slabs.

We recommend the area underlying the floor slab be rough graded and then thoroughly proof-rolled with a loaded tandem-axle dump truck prior to final grading and placement of aggregate base. Particular attention should be paid to high traffic areas that were rutted and disturbed earlier and to areas where backfilled trenches are located. Areas where unsuitable conditions are located should be repaired by removing and replacing the affected material with properly compacted fill. All floor slab subgrade areas should be moisture conditioned and properly compacted to the recommendations in this report immediately prior to placement of the aggregate base and concrete.

GENERAL COMMENTS

As the project progressed, we addressed assumptions by incorporating information provided by the design team, if any. Revised project information that reflects actual conditions important to our services has been reflected in the final report. The design team should collaborate with Terracon to confirm these assumptions and to prepare the final design plans and specifications. This facilitates the incorporation of our opinions related to implementation of our geotechnical recommendations. Any information conveyed prior to the final report is for informational purposes only and should not be considered or used for decision-making purposes.

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Natural variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in the final report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our scope of services 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.

Our services and any correspondence or collaboration through this system are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third party beneficiaries intended. Any third party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client, and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there

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may be variations on the site that are not apparent in the data that could significantly impact excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety, and cost estimating including, excavation support, and dewatering requirements/design are the responsibility of others. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

ATTACHMENTS

EXPLORATION AND TESTING PROCEDURES

Field Exploration

A geotechnical engineering study has been completed for the proposed Raywick Tower, located about 1,300 feet south of the intersection of J. E. Bickett Road and Raywick Road in Raywick, Marion County, Kentucky. One test boring was advanced to a depth about 35.5 feet below existing grade. An additional boring was performed to obtain an undisturbed sample. Individual boring logs and **Exploration Plan (Exhibit A-2)** are included in the appendix.

Boring Layout and Elevations: The location of the tower center was established by Landmark Surveying Co., Inc representative Mr. Darren Helms. The presence of the tower location stake was confirmed in a site visit by Terracon representative Mrs. Jenny Guest. Elevations, included in our boring logs, were obtained from the Site Sketch (file name: Site Candidate Information Form - Raywick) dated January 26, 2018.

Subsurface Exploration Procedures: We advanced the borings with a track-mounted drill rig using continuous flight augers (hollow stem). Four split-barrel samples were obtained in the upper 10 feet of the boring. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon was driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18-inch penetration was recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the test depths. This value is used to estimate the in-situ relative density of cohesionless soils and consistency of cohesive soils. We also obtained a thin-walled Shelby tube sample to obtain a relatively undisturbed soil sample and perform laboratory strength testing.

At auger refusal, we obtained a rock sample using a double-walled, diamond-faced, NX core barrel. The rock samples obtained were placed in a core box, sealed and returned to our laboratory for observation, classification and compression testing.

The sampling depths, penetration distances, and other sampling information were recorded on the field boring logs. The samples were placed in appropriate containers and taken to our soil laboratory for testing and classification by a geotechnical engineer. Our exploration team prepared field boring logs as part of the drilling operations. The field logs included visual classifications of the materials encountered during drilling and our interpretation of the subsurface conditions between samples. Final boring logs were prepared from the field logs. The final boring logs represent the geotechnical engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory. Information provided on the test boring logs include soil descriptions, consistency evaluations, boring depths, sampling intervals, and groundwater conditions.

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We observed groundwater levels during drilling and sampling. For safety purposes, the borings were backfilled with auger cuttings immediately after completion.

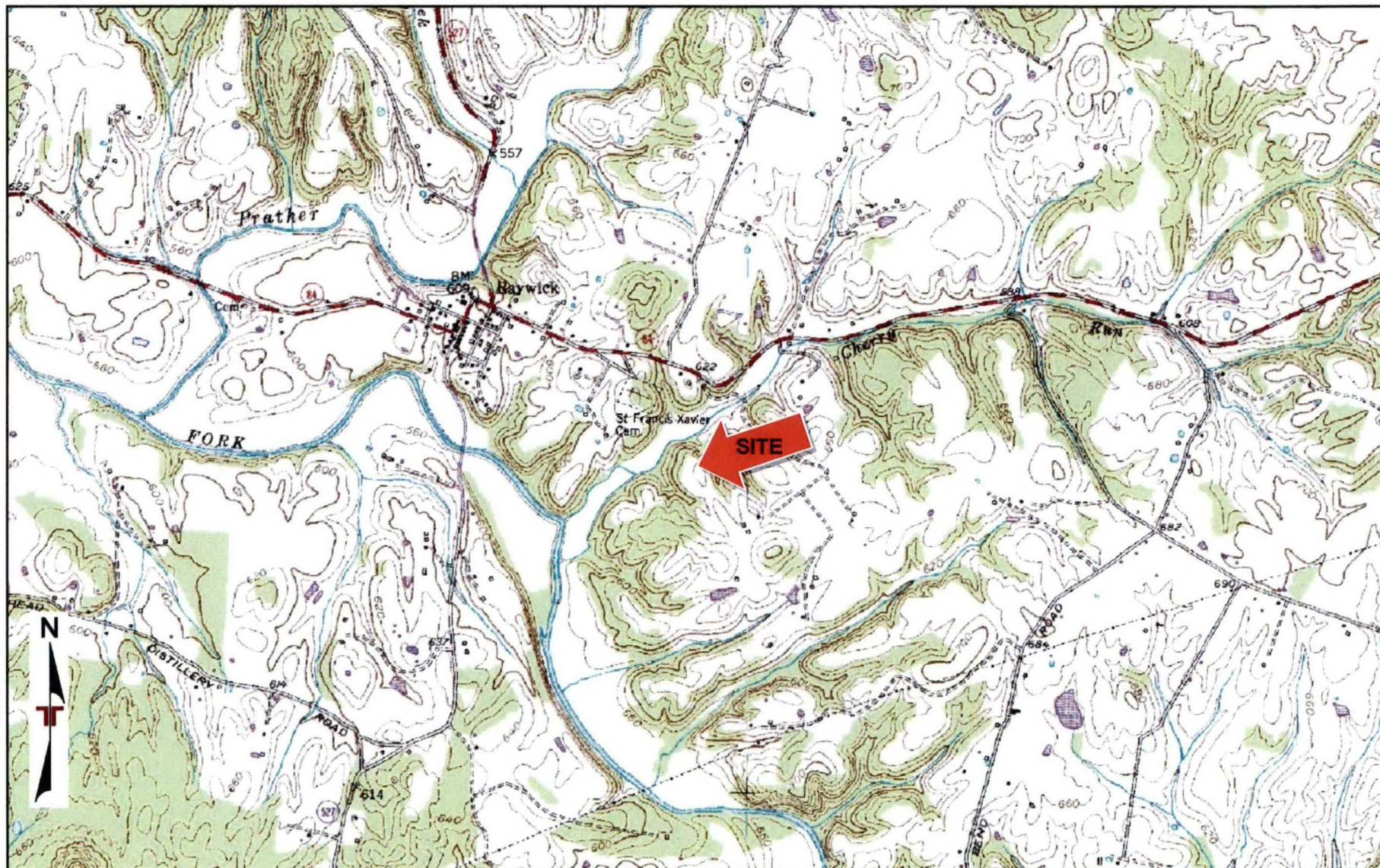
Laboratory Testing

The project engineer reviewed the field data and assigned various laboratory tests to better understand the engineering properties of the various soil and rock strata as necessary for this project. Procedural standards noted below are for reference to methodology in general. In some cases, variations to methods are applied because of local practice or professional judgment. Standards noted below include reference to other, related standards. Such references are not necessarily applicable to describe the specific test performed.

- ASTM D2216-10 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D4318-10e1 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM D2166/D2166M-13 Standard Test Method for Unconfined Compressive Strength of Cohesive Soil
- ASTM D7012 Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperatures

The laboratory testing program included examination of soil samples by the project engineer. Based on the material's texture and plasticity, we described and classified the soil samples in accordance with the Unified Soil Classification System.

SITE LOCATION AND EXPLORATION PLANS



TOPOGRAPHIC MAP IMAGE COURTESY OF
THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: RAYWICK, KY
(1/1/1987).

DIAGRAM IS FOR GENERAL LOCATION ONLY,
AND IS NOT INTENDED FOR CONSTRUCTION
PURPOSES

Project Manager: RCO
Drawn by: RCO
Checked by: BWT
Approved by: BWT

Project No. 57185014
Scale: 1"=2,000'
File Name: Plans
Date: 3/27/2018

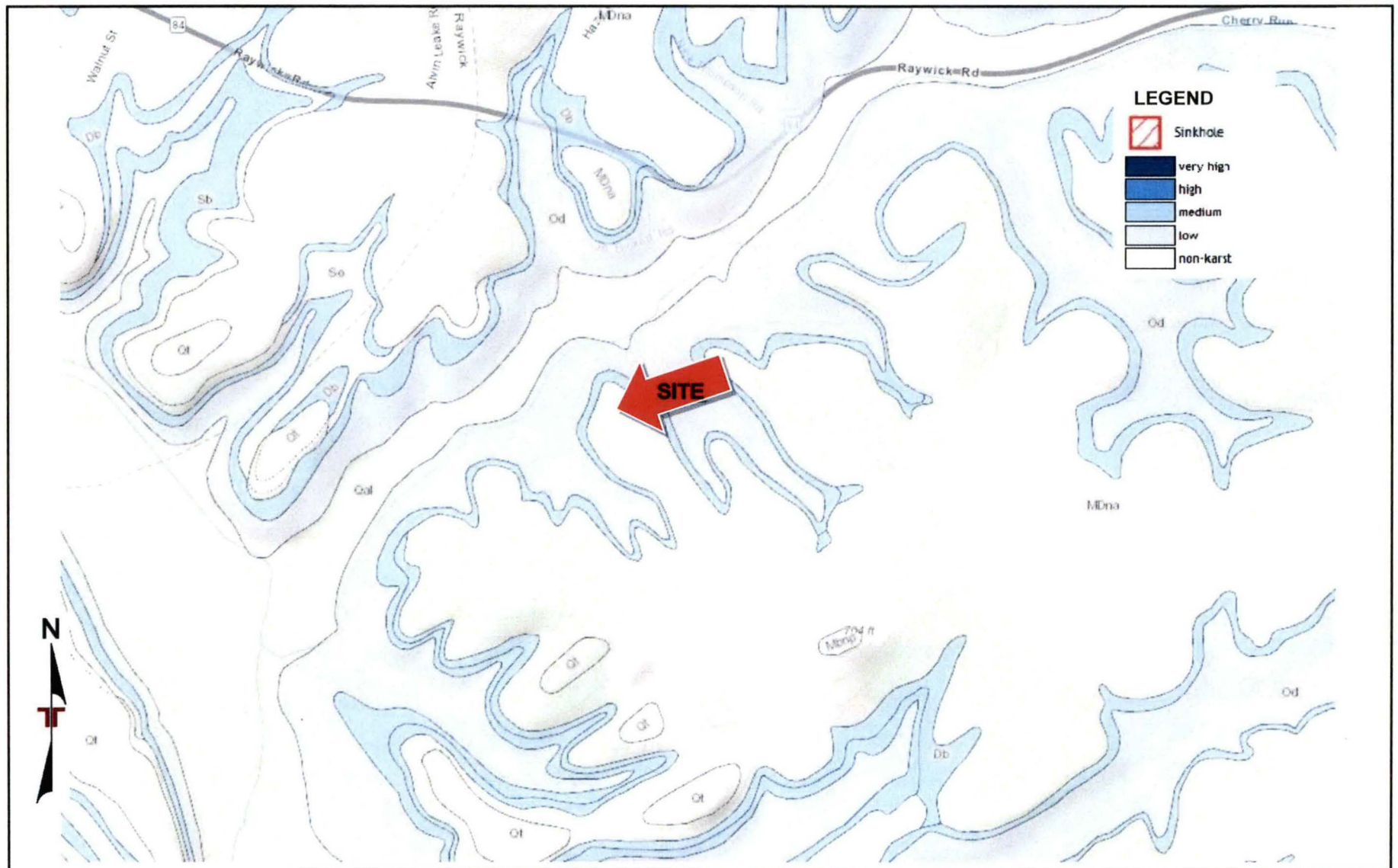
Terracon
13050 Eastgate Park Way Ste 101
Louisville, KY 40223-3915

SITE LOCATION PLAN

Proposed Raywick Tower
J.E.Bickett Road
Raywick, KY

Exhibit

A-1A



TOPOGRAPHIC MAP IMAGE COURTESY OF
THE U.S. GEOLOGICAL SURVEY
QUADRANGLES INCLUDE: RAYWICK, KY
(1/1/1987).

DIAGRAM IS FOR GENERAL LOCATION ONLY,
AND IS NOT INTENDED FOR CONSTRUCTION
PURPOSES

Project Manager: RCO
Drawn by: RCO
Checked by: BWT
Approved by: BWT

Project No: 57185014
Scale: NTS
File Name: Plans
Date: 3/27/2018

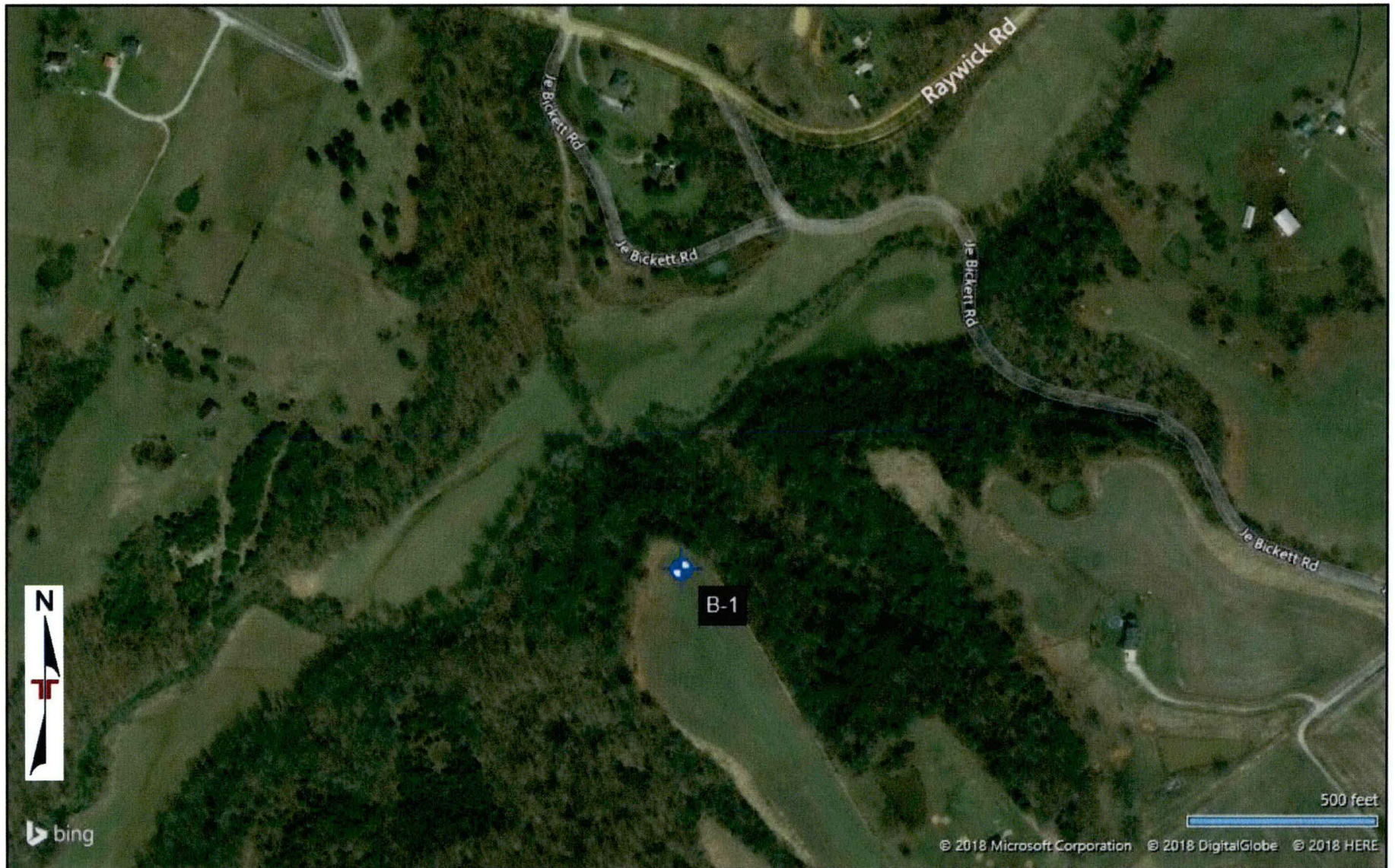
Terracon
13050 Eastgate Park Way Ste 101
Louisville, KY 40223-3915

KARST POTENTIAL MAP

Proposed Raywick Tower
J.E.Bickett Road
Raywick, KY

Exhibit

A-1B



AERIAL PHOTOGRAPHY PROVIDED BY
MICROSOFT BING MAPS

DIAGRAM IS FOR GENERAL LOCATION ONLY,
AND IS NOT INTENDED FOR CONSTRUCTION
PURPOSES

Project Manager:
RCO
Drawn by:
RCO
Checked by:
BWT
Approved by:
BWT

Project No.
57185014
Scale:
AS SHOWN
File Name:
Plans
Date:
3/27/2018

Terracon
13050 Eastgate Park Way Ste 101
Louisville, KY 40223-3915

EXPLORATION PLAN

Proposed Raywick Tower
J.E.Bickett Road
Raywick, KY

Exhibit

A-2

EXPLORATION RESULTS

BORING LOG NO. B-1

Page 1 of 2

PROJECT: Proposed Raywick Tower

CLIENT: Bluegrass Cellular Partnership
Elizabethtown, KY

SITE: J.E.Bickett Road
Raywick, KY

GRAPHIC LOG	LOCATION See Exhibit A-2		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROCK CORE UNAXIAL STRENGTH (psi)	LABORATORY HP (psf)	WATER CONTENT (%)	ATTERBERG LIMITS
	Latitude: 37.554861° Longitude: -85.419417°										LL-PL-PI
Approximate Surface Elev: 630 (Ft.) +/-			ELEVATION (Ft.)								
DEPTH											
0.8	TOPSOIL		629+/-								
	SHALE, black, highly weathered, very weak										
3.5			626.5+/-								
	FAT CLAY (CH), trace silt, dark brown, medium stiff, with shale fragments										
6.5			623.5+/-								
	LIMESTONE, light gray to gray, close fracture spacing, thin bedding, unweathered, strong rock										
	- with clay joints and layers from about 9.5 to 10 ft										
	- with a 1/4-inch shale seam at about 10.5 ft										
16.5			613.5+/-								
	SILTY DOLOMITE, dark gray with light gray, very close fracture spacing, thin bedding, unweathered, strong rock										
	- with a 1/4-inch clay seam										
	- with a 1/2-inch calcite crystal layer at 23.5 ft										
	- with a 2-inch calcite crystal layer at 24.5 ft										

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

Hammer Type: Automatic

Advancement Method:
3.25-inch Hollow Stem Auger

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

Notes:

Elevations were obtained from the Site Sketch (located in the Site Candidate Information Form) dated December 21, 2017.

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Appendix C for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
13050 Eastgate Park Way Ste 101
Louisville, KY

Boring Started: 03-09-2018

Boring Completed: 03-09-2018

Drill Rig: B-53

Driller: Ron Mathes

Project No.: 57185014

Exhibit: A-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 57185014 PROPOSED RAYWICK.GPJ TERRACON_DATATEMPLATE.GDT 3/30/18


BORING LOG NO. B-1

Page 2 of 2

PROJECT: Proposed Raywick Tower

CLIENT: Bluegrass Cellular Partnership
Elizabethtown, KY

SITE: J.E.Bickett Road
Raywick, KY

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 37.554861° Longitude: -85.419417° Approximate Surface Elev: 630 (Ft.) +/- DEPTH ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	ROCK CORE UNAXIAL STRENGTH (psi)	LABORATORY HP (psf)	WATER CONTENT (%)	ATTERBERG LIMITS
										LL-PL-PI
	SILTY DOLOMITE , dark gray with light gray, very close fracture spacing, thin bedding, unweathered, strong rock (continued) - with a 6-inch high angled fracture at about 32 ft	120								
		109				RQD = 92%	9220			
		35.6								
	Boring Terminated at 35.6 Feet	594.5+/-								

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

Hammer Type: Automatic

Advancement Method:
3.25-inch Hollow Stem Auger

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

Notes:

Abandonment Method:
Boring backfilled with auger cuttings upon completion.

See Appendix C for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
13050 Eastgate Park Way Ste 101
Louisville, KY

Boring Started: 03-09-2018

Boring Completed: 03-09-2018

Drill Rig: B-53

Driller: Ron Mathes

Project No.: 57185014

Exhibit: A-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 57185014 PROPOSED RAYWICK.GPJ TERRACON_DATATEMPLATE.GDT 3/30/18

Rock Core Photograph Log

Raywick Tower ■ Raywick, Marion County, Kentucky

March 30, 2018 ■ Terracon Project 57185014

Terracon



PHOTO #1 – Rock core sample at B-1 from about 6.5 to 16.5 feet below existing grade



PHOTO #2 – Rock core sample at B-1 from about 16.5 to 26.5 feet below existing grade

Rock Core Photograph Log

Feathersburg Tower ■ Feathersburg, Taylor County, Kentucky

March 30, 2018 ■ Terracon Project 57185007

Terracon



PHOTO #3 – Rock core sample at B-1 from about 26.5 to 36.5 feet below existing grade

ASTM D4318

EXHIBIT: B-2

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ATTERBERG LIMITS 57185014 PROPOSED RAYWICK.GPJ TERRACON.DATATEMPLATE.GDT 3/28/18

SUPPORTING INFORMATION

UNIFIED SOIL CLASSIFICATION SYSTEM

Raywick Tower ■ Raywick, Marion County, Kentucky

May 19, 2018 ■ Terracon Project No. 57185014



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:	$Cu \geq 4$ and $1 \leq Cc \leq 3$ ^E	GW	Well-graded gravel ^F			
		Less than 5% fines ^C	$Cu < 4$ and/or $1 > Cc > 3$ ^E	GP	Poorly graded gravel ^F			
		Gravels with Fines:	Fines classify as ML or MH	GM	Silty gravel ^{F, G, H}			
		More than 12% fines ^C	Fines classify as CL or CH	GC	Clayey gravel ^{F, G, H}			
	Sands: 50% or more of coarse fraction passes No. 4 sieve	Clean Sands:	$Cu \geq 6$ and $1 \leq Cc \leq 3$ ^E	SW	Well-graded sand ^I			
		Less than 5% fines ^D	$Cu < 6$ and/or $1 > Cc > 3$ ^E	SP	Poorly graded sand ^I			
		Sands with Fines:	Fines classify as ML or MH	SM	Silty sand ^{G, H, I}			
		More than 12% fines ^D	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	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:			PT	Peat	
			Primarily organic matter, dark in color, and organic odor					

^A Based on the material passing the 3-inch (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

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

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

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

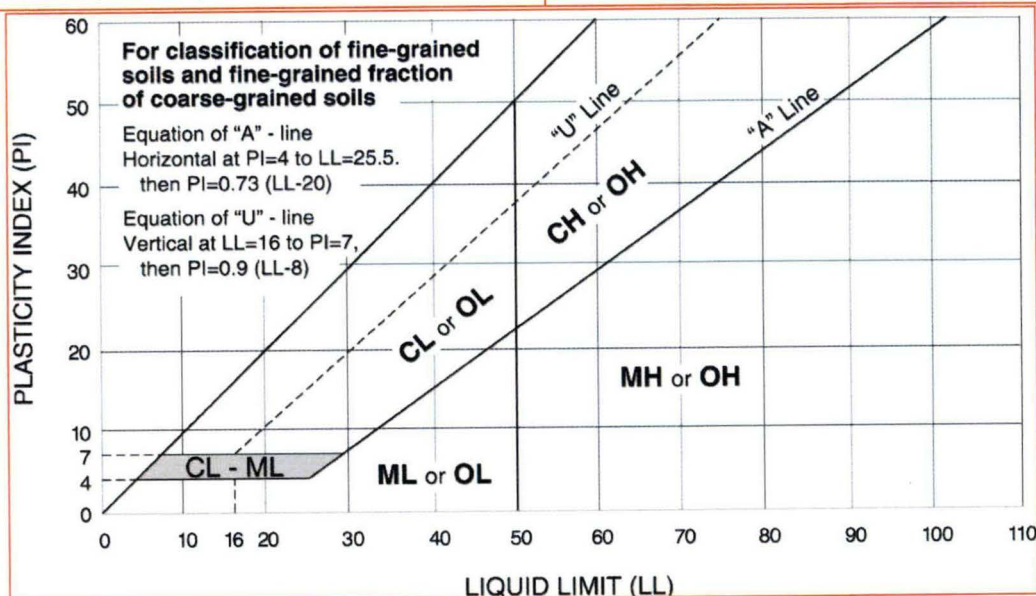
^M If soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N PI ≥ 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.



DESCRIPTION OF ROCK PROPERTIES

Raywick Tower ■ Raywick, Marion County, Kentucky

May 19, 2018 ■ Terracon Project No. 57185014



WEATHERING	
Term	Description
Unweathered	No visible sign of rock material weathering, perhaps slight discoloration on major discontinuity surfaces.
Slightly weathered	Discoloration indicates weathering of rock material and discontinuity surfaces. All the rock material may be discolored by weathering and may be somewhat weaker externally than in its fresh condition.
Moderately weathered	Less than half of the rock material is decomposed and/or disintegrated to a soil. Fresh or discolored rock is present either as a continuous framework or as corestones.
Highly weathered	More than half of the rock material is decomposed and/or disintegrated to a soil. Fresh or discolored rock is present either as a discontinuous framework or as corestones.
Completely weathered	All rock material is decomposed and/or disintegrated to soil. The original mass structure is still largely intact.
Residual soil	All rock material is converted to soil. The mass structure and material fabric are destroyed. There is a large change in volume, but the soil has not been significantly transported.

STRENGTH OR HARDNESS		
Description	Field Identification	Uniaxial Compressive Strength, psi (MPa)
Extremely weak	Indented by thumbnail	40-150 (0.3-1)
Very weak	Crumbles under firm blows with point of geological hammer, can be peeled by a pocket knife	150-700 (1-5)
Weak rock	Can be peeled by a pocket knife with difficulty, shallow indentations made by firm blow with point of geological hammer	700-4,000 (5-30)
Medium strong	Cannot be scraped or peeled with a pocket knife, specimen can be fractured with single firm blow of geological hammer	4,000-7,000 (30-50)
Strong rock	Specimen requires more than one blow of geological hammer to fracture it	7,000-15,000 (50-100)
Very strong	Specimen requires many blows of geological hammer to fracture it	15,000-36,000 (100-250)
Extremely strong	Specimen can only be chipped with geological hammer	>36,000 (>250)

DISCONTINUITY DESCRIPTION			
Fracture Spacing (Joints, Faults, Other Fractures)		Bedding Spacing (May Include Foliation or Banding)	
Description	Spacing	Description	Spacing
Extremely close	< ¼ in (<19 mm)	Laminated	< ½ in (<12 mm)
Very close	¼ in – 2-1/2 in (19 - 60 mm)	Very thin	½ in – 2 in (12 – 50 mm)
Close	2-1/2 in – 8 in (60 – 200 mm)	Thin	2 in – 1 ft. (50 – 300 mm)
Moderate	8 in – 2 ft. (200 – 600 mm)	Medium	1 ft. – 3 ft. (300 – 900 mm)
Wide	2 ft. – 6 ft. (600 mm – 2.0 m)	Thick	3 ft. – 10 ft. (900 mm – 3 m)
Very Wide	6 ft. – 20 ft. (2.0 – 6 m)	Massive	> 10 ft. (3 m)

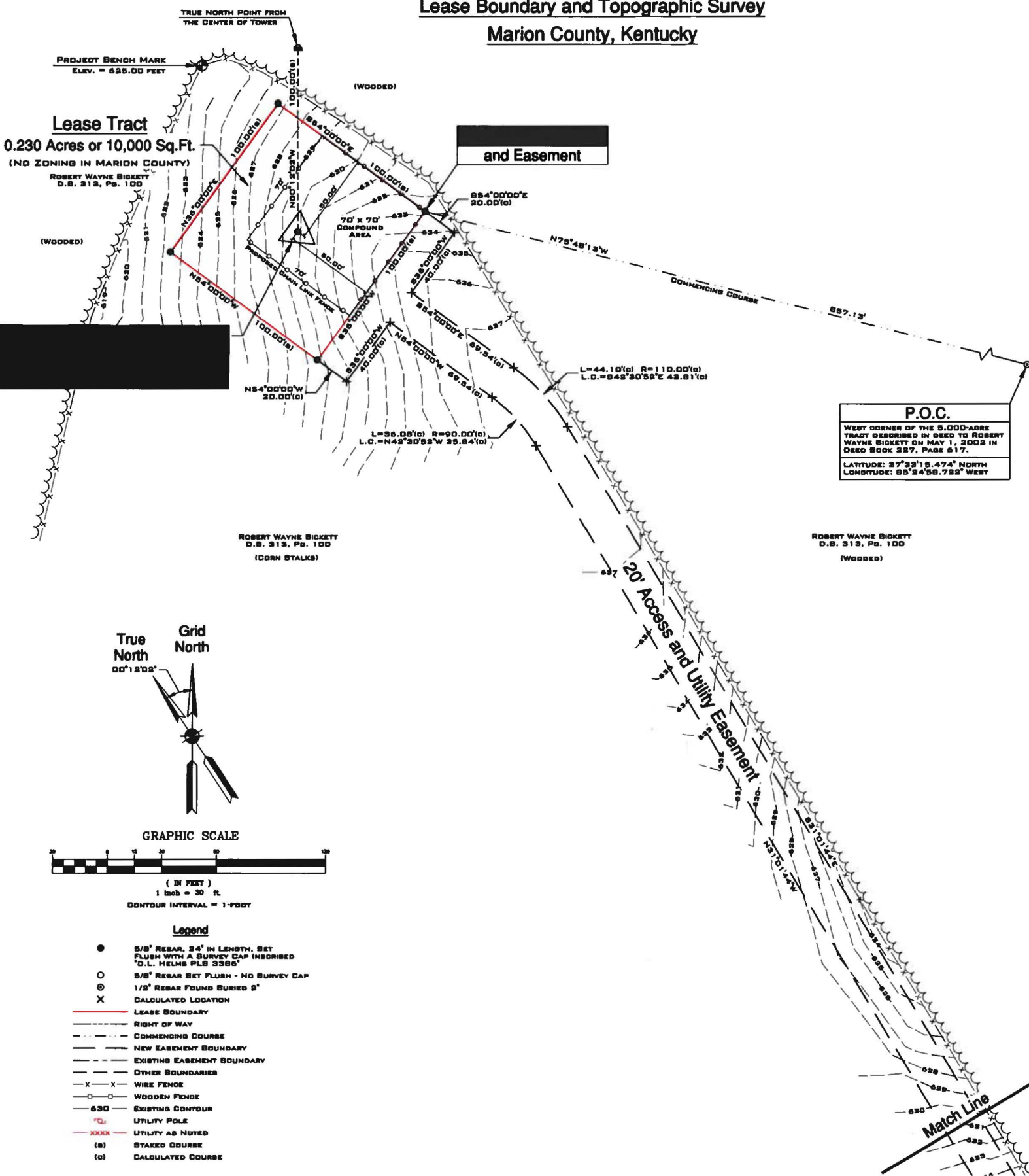
Discontinuity Orientation (Angle): Measure the angle of discontinuity relative to a plane perpendicular to the longitudinal axis of the core. (For most cases, the core axis is vertical; therefore, the plane perpendicular to the core axis is horizontal.) For example, a horizontal bedding plane would have a 0-degree angle.

ROCK QUALITY DESIGNATION (RQD) ¹	
Description	RQD Value (%)
Very Poor	0 - 25
Poor	25 - 50
Fair	50 - 75
Good	75 - 90
Excellent	90 - 100

1. The combined length of all sound and intact core segments equal to or greater than 4 inches in length, expressed as a percentage of the total core run length.

Reference: U.S. Department of Transportation, Federal Highway Administration, Publication No FHWA-NHI-10-034, December 2009
Technical Manual for Design and Construction of Road Tunnels – Civil Elements

Lease Boundary and Topographic Survey
Marion County, Kentucky



Lease Boundary and Easement Description

A TRACT OF LAND THAT IS LOCATED AT 693 J E BICKETT ROAD AND LIES 4,100 FEET SOUTHEASTERLY OF ST. FRANCIS XAVIER CATHOLIC CHURCH IN RAYWICK, MARION COUNTY, KENTUCKY; SAID TRACT BEING DESCRIBED AS FOLLOWS:

DIMENDING AT 1/8-HIGH REAR FLUSH AT THE WEST CORNER OF THE 5,000-ACRE TRACT DESCRIBED IN DEED TO ROBERT WAYNE SICKERT ON MAY 1, 2003 IN DEED BOOK 897, PAGE 817 IN THE OFFICE OF THE COUNTY CLERK OF MARION COUNTY, INDIANA. THE TRACT DESCRIBED IN THE DEED TO ROBERT WAYNE SICKERT IS 36 DEGREES NORTH AND A LENGTH OF 65 DEGREES 34 MINUTES 56.723 SECONDS WEST; THENCE NORTH 78 DEGREES 45 MINUTES 13 SECONDS WEST 807.13 FEET TO A POINT ON THE WEST CORNER OF THE TRACT DESCRIBED IN THE DEED TO ROBERT WAYNE SICKERT (REFERRED TO AS A REAR BEAT FLUSH IN THE REMAINDER OF THIS DESCRIPTION) AT THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE SOUTH 56 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET TO A REAR BEAT FLUSH; THENCE NORTH 34 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET TO A REAR BEAT FLUSH; THENCE NORTH 36 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET TO A REAR BEAT FLUSH; THENCE SOUTH 34 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION.

[illegible]

Survivor's Notes

1. ANY ENCUMBRANCES AND LANDOWNER INFORMATION SHOWN HEREON, REGARDING THE SUBJECT TRACT, ARE BASED UPON A TITLE SEARCH COMPLETED BY ABSTRACT & TITLES, INC. OF LOUISVILLE, KENTUCKY, DATED MARCH 14, 1990, AND FILED IN THE PUBLIC RECORDS OF THE COUNTY OF MARION, KENTUCKY.
2. NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFETS AND/OR AMBIGUITIES IN THE TITLE OF THE PARCEL TRACT.
3. THE UTILITIES SHOWN ON THIS PLAN MAY OR MAY NOT REPRESENT ALL OF THE UTILITIES LOCATED ON THE SUBJECT SITE. THE PRESENCE OF UTILITIES WAS DETERMINED BY A VISUAL INSPECTION OF THE PROPERTY SURFACE. NO UTILITY RECORDS WERE CALLED IN TO THIS SURVEY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION OF THE TOWER.
4. THE TOPOGRAPHIC INFORMATION CONTAINED ON THIS PLAN WAS AS REQUESTED BY THE CLIENT AND MAY OR MAY NOT REPRESENT ALL OF THE TOPOGRAPHIC FEATURES LOCATED ON THE SUBJECT PROPERTY.
5. ACCORDING TO THE OFFICE OF MR. DAVID R. DAUBHERRY, MARION COUNTY JUDGE EXECUTIVE, NO LEGAL PLANNING UNIT EXISTS WHICH HAS GEOGRAPHICAL JURISDICTION OF THE SUBJECT TOWER SITE. THE COUNTY JUDGE EXECUTIVE'S OFFICE MAY BE CONTACTED AT 570-692-2481 FOR CONFIRMATION.
6. THE PROPOSED LOCATION OF THE RAYNOK TOWER SITE WILL BE LOCATED OUTSIDE OF AN INCORPORATED CITY.
7. THE COUNTY ROAD RIGHT OF WAY WAS DETERMINED FROM USE AND PER ORDINANCE 115' (MINIMUM FROM CENTER OF PAVEMENT). THE MINIMUM RIGHT OF WAY WIDTH WAS VERIFIED BY CONTACTING THE MARION COUNTY JUDGE EXECUTIVE'S OFFICE.

Surveyor's Certification

I HEREBY CERTIFY THAT THIS PLAY HAS BEEN COMPILED FROM A SURVEY ACTUALLY MADE UPON THE GROUND UNDER MY DIRECT SUPERVISION ON APRIL 17, 2017 BY THE METHOD OF REAL TIME KINEMATIC GPS SURVEY AND A RANDOM TRAVERSE WITH SIDESHOTS. THE RELATIVE POSITIONAL ACCURACY OF ANY POINT ON THIS SURVEY IS BETTER THAN ± 0.10 FEET + 200 PPM. THIS PLAY REPRESENTS A RURAL BOUNDARY SURVEY AND COMPLIES WITH THE REQUIREMENTS OF 201 KAR 18:15D.

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

MAY 7, 2018
DATE

STATE of KENTUCKY
Darran L. Halma
8388
**LICENSED
PROFESSIONAL
LAND SURVEYOR**

LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(812) 257-0950
WEBSITE: LANDMARKSURVEYINGCO.COM
PROJECT NO. 16-02-0115 ©2018



Lease Boundary Survey
693 J E Bickett Road
Raywick, Kentucky 40060

Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42701

REVISIONS	DATE

DATE
May 7, 2018

DRAWN BY
J. J. Harrison

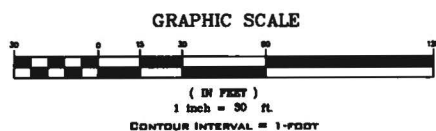
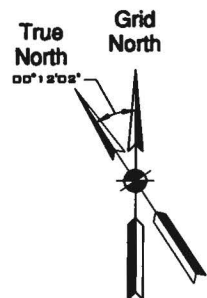
CHECKED BY
D. L. Helms

SHEET No.

1
of 3 SHEETS

FILE NAME
raywick.dwg

SITE: RAYWICK **Lease Boundary and Topographic Survey** **Marion County, Kentucky**



- Legend**
- 5/8" REBAR, 24" IN LENGTH, SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELLER PLS 3386"
 - 5/8" REBAR SET FLUSH - NO SURVEY CAP
 - ⊙ 1/2" REBAR FOUND BURIED 2"
 - X CALCULATED LOCATION
 - LEASE BOUNDARY
 - RIGHT OF WAY
 - CONHENDING COURSE
 - NEW EASEMENT BOUNDARY
 - EXISTING EASEMENT BOUNDARY
 - OTHER BOUNDARIES
 - X-X- WIRE FENCE
 - O-O- WOODEN FENCE
 - - - EXISTING CONTOUR
 - ⊕ UTILITY POLE
 - X-X-X- UTILITY AS NOTED
 - (s) STAKED COURSE
 - (d) CALCULATED COURSE



LANDMARK SURVEYING CO., INC.
 15 N.E. 3RD STREET
 WASHINGTON, INDIANA 47301
 (812) 257-0930
 WEBSITE: LANDMARKSURVEYINGCO.COM
 PROJECT NO. 18-08-0115
 © 2018



Lease Boundary Survey

693 J E Bickett Road

Raywick, Kentucky 40060

Bluegrass Cellular

2902 Ring Road

Elizabethtown, KY 42701

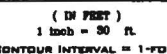
REVISIONS	DATE

DATE May 7, 2018	DRAWN BY J. Hamilton	CHECKED BY D. L. Helms
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SHEET No.
2
 of 3 SHEETS

FILE NAME
 raywick.dwg

Marion County, Kentucky



- 5/8" REBAR, 24" IN LENGTH, SET
 FLUSH WITH A SURVEY CAP INSCRIBED
 "D.L. HELMS PLS 3395"
 ○ 5/8" REBAR SET FLUSH - NO SURVEY CAP
 ⊙ 1/3" REBAR FOUND BURIED 3"
 X CALCULATED LOCATION
 _____ LEASE SURROUND
 _____ RIGHT OF WAY
 - - - - - COMMENSAL COURSE
 _____ NEW EASEMENT BOUNDARY
 - - - - - EXISTING EASEMENT BOUNDARY
 _____ OTHER BOUNDARIES
 X - X - WIRE FENCE
 □ - □ - WOODEN FENCE
 - 63D - EXISTING CONTOUR
 - 7CL - UTILITY POLE
 - XXXXX - UTILITY AS NOTED
 (B) STAKED COURSE
 (C) CALCULATED COURSE



50' WIDE ADDRESS EASEMENT
D.B. 227, Pg. 617

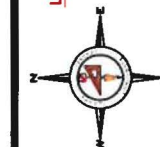
J E Bickett Road - 30' R/W

JANET BARBER AND MERLE BRADY
D.B. 247, Pg. 451
(COEN STALKS)

ROBERT WAYNE BICKETT
D.B. 887, Pp. 617

ROBERT WAYNE BICKETT
D.B. 313, Pg. 100
(PASTURE)

ROBERT WAYNE BICKETT
D.B. 313, Pg. 100
(WHEAT)



LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(812) 257-0950
WEBSITE: LANDMARKSURVEYINGCO.COM
PROJECT NO. 16-02-0115 © 2018

Lease Boundary Survey

693 J E Bickett Road

Playwick, Kentucky 40060

Bluegrass Cellular

Bluegrass
2902 Ring Road

Elizabethtown, KY 42701

REVISIONS	DATE
-----------	------

DATE May 7, 2018	DRAWN BY J. J. Morrison	CHECKED BY D. L. Holmes
---------------------	----------------------------	----------------------------

SHEET No.

3

of 3 SHEETS

FILE NAME

raywick.dwg



APPROVAL SIGNATURES

BLUEGRASS CELLULAR
PROJECT SUPERVISOR:

DATE: _____

CITY REPRESENTATIVE:

TITLE: _____

DATE: _____

PROPERTY OWNER/OWNERS:

DATE: _____

TOWER OWNER/OWNERS:

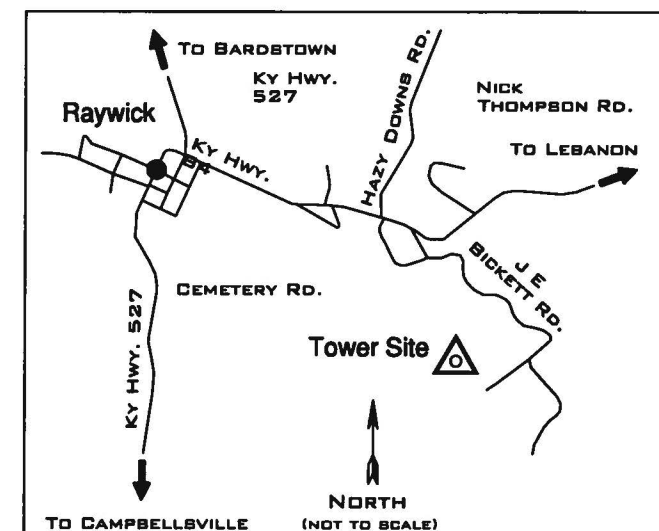
DATE: _____

SITE NAME: RAYWICK

**911 ADDRESS: 693 JE BICKETT RD.
RAYWICK, KY.
40060**

COUNTY: MARION

TOWER LATITUDE & LONGITUDE
N 37° 33' 17.47" W 85° 25' 09.90"



VICINITY MAP
NOT TO SCALE

DIRECTIONS TO SITE

FROM ELIZABETHTOWN, KENTUCKY; TRAVEL SOUTHEASTERLY ON KENTUCKY HIGHWAY 61 (LINCOLN PARKWAY) FOR ABOUT 1 1/2 MILES TO DOWNTOWN HODGENSVILLE AND U.S. HIGHWAY 31E; TRAVEL EASTERLY ON U.S. HIGHWAY 31E FOR ABOUT 5 MILES TO KENTUCKY HIGHWAY 84 IN WHITE CITY; TURN RIGHT ONTO KENTUCKY HIGHWAY 84 AND CONTINUE TO TRAVEL EASTERLY FOR ABOUT 18 MILES TO RAYKOW AND ST. FRANCIS XAVIER CATHOLIC CHURCH; TURN RIGHT ONTO EASTERN HIGHWAY 100 AND TRAVEL EASTERLY ON J E BICKETT ROAD; TURN RIGHT ONTO J E BICKETT ROAD AND TRAVEL SOUTHEASTERLY FOR 0.6 MILES TO A SHARP CURVE IN THE ROAD AND A LANE LEADING SOUTHWESTERLY TOWARD A BARN; CONTINUE ONTO THE LANE AND TRAVEL SOUTHWESTERLY FOR 0.2 MILES, PASSING THE BARN AND THROUGH THE BARN LOT, TO A GATE AND ENTRANCE TO AN AGRICULTURAL FIELD; TURN RIGHT AND TRAVEL SOUTHWESTERLY FOR 0.2 MILES TO THE FIELD FENCE; FOR 0.2 MILES TO THE TOWER SITE AT THE NORTH END OF THE FIELD.

SHEET INDEX

[illegible]

SITE DATA

PROPERTY OWNER: ROBERT WAYNE BICKETT
(270) 402-1940

TOWER OWNER:	BLUEGRASS CELLULAR (270) 769-0339
--------------	--------------------------------------

POWER COMPANY: INNER COUNTY RECC
(270) 692-3761

TELEPHONE COMPANY: WINDSTREAM
(855) 439-2889

BLUEGRASS PROJECT MANAGER: BILL BURKS (270)734-1028

BLUEGRASS PROJECT SUPERVISOR: MASON McDOWELL (270)734-1002



ROBIN BECKER
RSB DESIGN
(502) 599-9427

SITE: RAYWICK
Lease Boundary and Topographic Survey
Marion County, Kentucky

Basis of Bearings

THE BEARING SYSTEM OF THIS SURVEY IS BASED UPON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011), AS DETERMINED BY S.P.S. OBSERVATIONS MADE ON APRIL 17, 2018 USING THE KENTUCKY TRANSPORTATION CABINET'S KYCORS NAD83 2011 NETWORK. THIS BEARING SYSTEM IS GRID NORTH.

Tower Location Information

DESIGNATION: RAYWICK
SITE ID#: NONE
HORIZONTAL DATUM: NAD 83 (2011)
LATITUDE: 37°33'17.47" NORTH
LONGITUDE: 85°25'09.90" WEST
VERTICAL DATUM: NAVD 88
GROUND ELEVATION: 629.8 FEET (191.95 M)
STATE PLANE COORDINATES
NORTHING: 2,085,329.14 FEET
(635,609.593 M)
EASTING: 1,735,246.97 FEET
(529,309.135 M)

Landowner Information

LANDOWNER: ROBERT WAYNE BICKETT
ADDRESS: 675 J E BICKETT ROAD
RAYWICK, KY 40060
CONTACT PERSON: ROBERT WAYNE BICKETT
PHONE NUMBER: 270-403-1940
PVA MAP NUMBER: 023-022

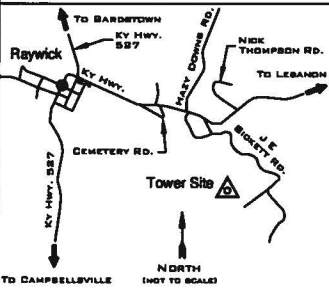
Project Bench Mark

NORTHING: 2,085,419 FEET (635,637 M)
EASTING: 1,735,194 FEET (529,193 M)
ELEVATION: 625.00 FEET (190.500 M)
DESCRIPTION: A RAILROAD SPIKE, SET 10' ABOVE GRADE, IN THE SOUTHEAST SIDE OF A 16' CLEAR AT A FENCE CORNER. THE TREE LIES 105 FEET NORTHWESTERLY OF THE CENTER OF THE TOWER.

Flood Plain Statement

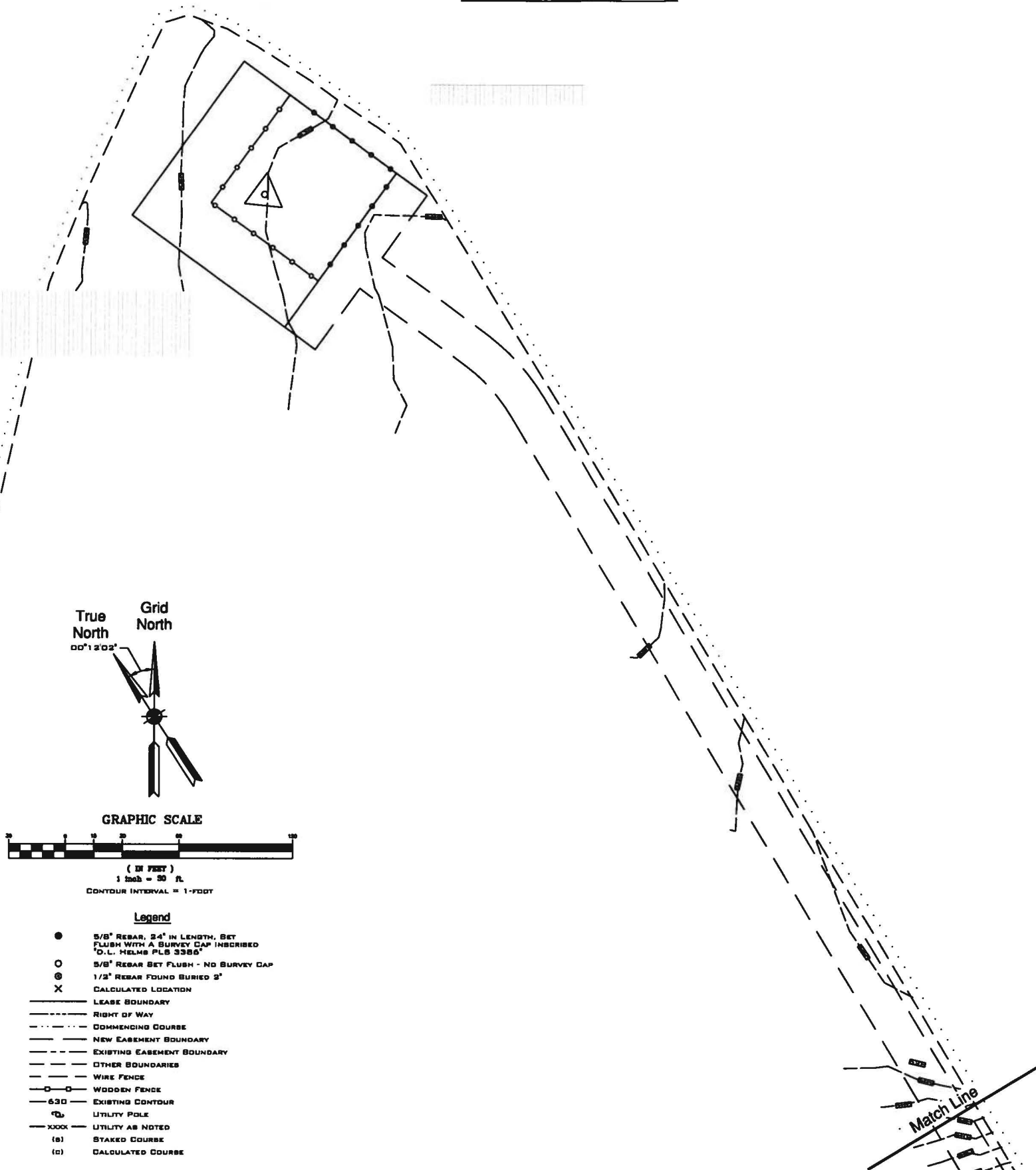
ACCORDING TO THE FLOOD INSURANCE RATE MAP (FIRM) FOR MARION COUNTY, KENTUCKY, AND INCORPORATED AREAS, MAP NO. 21350D145C, DATED JANUARY 6, 2010, THE SUBJECT SITE LIES WITHIN 'OTHER AREAS - ZONE X', WHICH IS DEFINED AS 'AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN'.

Vicinity Map



Directions to the Site

FROM ELIZABETHTOWN, KENTUCKY: TRAVEL SOUTHEASTERLY ON KENTUCKY HIGHWAY 61 (LINDOLN PARKWAY) FOR ABOUT 1.1 MILES TO DOWNTOWN HODGENVILLE AND U.S. HIGHWAY 31E; TRAVEL EASTERLY ON U.S. HIGHWAY 31E FOR ABOUT 5 MILES TO KENTUCKY HIGHWAY 84 IN WHITE CITY; TURN RIGHT ONTO KENTUCKY HIGHWAY 84 AND CONTINUE TO TRAVEL EASTERLY FOR ABOUT 1.8 MILES TO RAYWICK AND ST. FRANCIS XAVIER CATHOLIC CHURCH; CONTINUE EASTERLY ON KENTUCKY HIGHWAY 84 FOR 0.7 MILES TO J E BICKETT ROAD; TURN RIGHT ONTO J E BICKETT ROAD AND TRAVEL SOUTHEASTERLY FOR 0.6 MILES TO A SHARP CURVE IN THE ROAD AND A LANE LEADING SOUTHWESTERLY TOWARD A BARN; CONTINUE ONTO THE LANE AND TRAVEL SOUTHWESTERLY FOR 0.3 MILES, PASSING THE BARN AND THROUGH THE BARN LOT, TO A GATE AND ENTRANCE TO AN AGRICULTURAL FIELD; TURN RIGHT AND TRAVEL NORTHWESTERLY, THROUGH THE FIELD AND ALONG A WIRE FENCE, FOR 0.2 MILES TO THE TOWER SITE AT THE NORTH END OF THE FIELD.



Lease Boundary and Easement Description

A TRACT OF LAND THAT IS LOCATED AT 693 J E BICKETT ROAD AND LIES 4,100 FEET SOUTHEASTERLY OF ST. FRANCIS XAVIER CATHOLIC CHURCH IN RAYWICK, MARION COUNTY, KENTUCKY; SAID TRACT BEING DESCRIBED AS FOLLOWS:

COMMENCING AT A 1/8-INCH REBAR FOUND FLUSH AT THE WEST CORNER OF THE 0.330-ACRE TRACT DESCRIBED IN DEED TO ROBERT WAYNE BICKETT ON MAY 1, 2002 IN DEED BOOK 227, PAGE 617 IN THE OFFICE OF THE COUNTY CLERK OF MARION COUNTY, KENTUCKY; SAID REBAR HAVING A LATITUDE OF 37 DEGREES 33 MINUTES 15.474 SECONDS NORTH AND A LONGITUDE OF 85 DEGREES 24 MINUTES 58.722 SECONDS WEST; THENCE NORTH 75 DEGREES 48 MINUTES 13 SECONDS WEST 897.13 FEET TO A 5/8-INCH REBAR SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3385" (REFERRED TO AS A REBAR SET FLUSH IN THE REMAINDER OF THIS DESCRIPTION) AT THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE SOUTH 56 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET TO A REBAR SET FLUSH; THENCE NORTH 54 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET TO A REBAR SET FLUSH; THENCE NORTH 36 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET TO A REBAR SET FLUSH; THENCE SOUTH 54 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET TO THE POINT OF BEGINNING AND CONTAINING 0.330 ACRES (110,000 SQUARE FEET), MORE OR LESS.

TOGETHER WITH A 20-FOOT WIDE (NOMINAL WIDTH) ACCESS AND UTILITY EASEMENT FROM THE ABOVE-DESCRIBED 0.330-ACRE LEASE TRACT TO J E BICKETT ROAD; SAID EASEMENT BEING DESCRIBED AS FOLLOWS: BEGINNING AT A 5/8-INCH REBAR SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3385" AT THE EAST CORNER OF THE ABOVE-DESCRIBED 0.330-ACRE LEASE TRACT; THENCE SOUTH 54 DEGREES 00 MINUTES 00 SECONDS EAST 30.00 FEET; THENCE SOUTH 36 DEGREES 00 MINUTES 00 SECONDS WEST 40.00 FEET; THENCE SOUTH 54 DEGREES 00 MINUTES 00 SECONDS EAST 89.54 FEET; THENCE SOUTHEASTERLY 44.10 FEET ALONG AN ARD TO THE RIGHT AND HAVING A RADIUS OF 110.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF SOUTH 75 DEGREES 47 MINUTES 34 SECONDS EAST AND A LENGTH OF 48.18 FEET; THENCE NORTH 51 DEGREES 58 MINUTES 36 SECONDS EAST 114.13 FEET; THENCE NORTH 48 DEGREES 38 MINUTES 24 SECONDS EAST 108.81 FEET; THENCE NORTHEASTERLY 49.88 FEET ALONG AN ARD TO THE RIGHT AND HAVING A RADIUS OF 85.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF NORTH 65 DEGREES 19 MINUTES 35 SECONDS EAST AND A LENGTH OF 48.92 FEET; THENCE NORTH 82 DEGREES 03 MINUTES 17 SECONDS EAST 31.00 FEET; THENCE NORTHEASTERLY 88.18 FEET ALONG AN ARD TO THE LEFT HAVING A RADIUS OF 90.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF NORTH 73 DEGREES 05 MINUTES 04 SECONDS EAST AND A LENGTH OF 89.07 FEET; THENCE NORTH 54 DEGREES 00 MINUTES 00 SECONDS EAST 170.36 FEET; THENCE NORTHEASTERLY 43.84 FEET ALONG AN ARD TO THE LEFT AND HAVING A RADIUS OF 90.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF NORTH 50 DEGREES 13 MINUTES 59 SECONDS EAST AND A LENGTH OF 43.81 FEET; THENCE NORTH 26 DEGREES 20 MINUTES 08 SECONDS EAST 48.88 FEET; THENCE NORTHEASTERLY 80.09 FEET ALONG AN ARD TO THE RIGHT HAVING A RADIUS OF 80.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF NORTH 45 DEGREES 09 MINUTES 38 SECONDS EAST AND A LENGTH OF 79.78 FEET; THENCE NORTH 53 DEGREES 59 MINUTES 05 SECONDS EAST 170.36 FEET TO THE WESTERN RIGHT OF WAY OF J E BICKETT ROAD (15 FEET FROM THE CENTER OF THE ROAD); THENCE, ALONG SAID WESTERN RIGHT OF WAY, SOUTHWESTERLY 88.71 FEET ALONG AN ARD TO THE RIGHT AND HAVING A RADIUS OF 80.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF SOUTH 09 DEGREES 17 MINUTES 59 SECONDS WEST AND A LENGTH OF 88.44 FEET; THENCE SOUTH 53 DEGREES 59 MINUTES 05 SECONDS WEST 409.29 FEET; THENCE SOUTHWESTERLY 73.93 FEET ALONG AN ARD TO THE LEFT AND HAVING A RADIUS OF 80.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF SOUTH 45 DEGREES 09 MINUTES 36 SECONDS WEST AND A LENGTH OF 73.84 FEET; THENCE SOUTH 36 DEGREES 20 MINUTES 08 SECONDS WEST 49.88 FEET; THENCE SOUTHWESTERLY 33.33 FEET ALONG AN ARD TO THE RIGHT AND HAVING A RADIUS OF 110.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF SOUTH 50 DEGREES 13 MINUTES 59 SECONDS WEST AND A LENGTH OF 55.81 FEET; THENCE SOUTH 64 DEGREES 06 MINUTES 08 SECONDS WEST 170.36 FEET; THENCE SOUTHWESTERLY 34.44 FEET ALONG AN ARD TO THE RIGHT AND HAVING A RADIUS OF 110.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF SOUTH 65 DEGREES 19 MINUTES 35 SECONDS WEST AND A LENGTH OF 37.41 FEET; THENCE SOUTH 48 DEGREES 38 MINUTES 24 SECONDS WEST 108.81 FEET; THENCE SOUTH 51 DEGREES 58 MINUTES 36 SECONDS WEST 171.04 FEET; THENCE NORTH 31 DEGREES 01 MINUTE 44 SECONDS WEST 1,180.89 FEET; THENCE NORTHEASTERLY 35.08 FEET ALONG AN ARD TO THE LEFT AND HAVING A RADIUS OF 90.00 FEET AND SUSTAINED BY A LONG CHORD HAVING A BEARING OF NORTH 45 DEGREES 30 MINUTES 53 SECONDS WEST AND A LENGTH OF 35.84 FEET; THENCE NORTH 54 DEGREES 00 MINUTES 00 SECONDS WEST 68.54 FEET; THENCE SOUTH 36 DEGREES 00 MINUTES 00 SECONDS WEST 40.00 FEET; THENCE NORTH 84 DEGREES 00 MINUTES 00 SECONDS WEST 30.00 FEET TO A 5/8-INCH REBAR SET FLUSH WITH SAID HELMS SURVEY CAP AT THE SOUTH CORNER OF THE ABOVE-DESCRIBED 0.330-ACRE LEASE TRACT; THENCE NORTH 36 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET TO THE POINT OF BEGINNING.

THE BEARING SYSTEM OF THIS DESCRIPTION IS BASED UPON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011), AS DETERMINED BY S.P.S. OBSERVATIONS MADE ON APRIL 17, 2018 USING THE KENTUCKY TRANSPORTATION CABINET'S KYCORS NAD83 2011 NETWORK. THIS BEARING SYSTEM IS GRID NORTH.

THIS DESCRIPTION IS BASED UPON A SURVEY COMPLETED BY LANDMARK SURVEYING CO., INC. AND CERTIFIED BY DARREN L. HELMS, P.L.S. 3385, ON MAY 7, 2018.

SOURCE OF TITLE: BEING A PORTION OF AND LYING ENTIRELY WITHIN THE LAND DESCRIBED IN DEED TO ROBERT WAYNE BICKETT ON JUNE 28, 2016 IN DEED BOOK 313, PAGE 100 IN THE OFFICE OF THE COUNTY CLERK OF MARION COUNTY, KENTUCKY.

Surveyor's Notes

1. ANY ENCUMBRANCES AND LANDOWNER INFORMATION SHOWN HEREON, REGARDING THE SUBJECT TRACT, ARE BASED UPON A TITLE SEARCH COMPLETED BY ABSTRACT & TITLE, INC. OF LOUISVILLE, KENTUCKY, DATED MARCH 14, 2018, EXAM NO. 232218.
2. NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE PARENT TRACT.
3. THE UTILITIES SHOWN ON THIS 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 OF THE TOWER.
4. THE TOPOGRAPHIC INFORMATION CONTAINED ON THIS PLAT WAS AS REQUESTED BY THE CLIENT AND MAY OR MAY NOT REPRESENT ALL OF THE TOPOGRAPHIC FEATURES LOCATED ON THE SUBJECT PROPERTY.
5. ACCORDING TO THE OFFICE OF MR. DAVID R. DAUGHERTY, MARION COUNTY JUDGE EXECUTIVE, NO LOCAL PLANNING UNIT EXISTS WHICH HAS GEOGRAPHICAL JURISDICTION OF THE SUBJECT TOWER SITE. THE COUNTY JUDGE EXECUTIVE'S OFFICE MAY BE CONTACTED AT 270-592-3451 FOR CONFIRMATION.
6. THE PROPOSED LOCATION OF THE RAYWICK TOWER SITE WILL BE LOCATED OUTSIDE OF AN INCORPORATED CITY.
7. THE COUNTY ROAD RIGHT OF WAY WAS DETERMINED FROM USE AND PER ORDINANCE 115 MINIMUM FROM CENTER OF PAVEMENT). THE MINIMUM RIGHT OF WAY WIDTH WAS VERIFIED BY CONTACTING THE MARION COUNTY JUDGE EXECUTIVE'S OFFICE.

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 APRIL 17, 2017 BY THE METHOD OF REAL TIME KINEMATIC (RTK) SURVEY AND A RANDOM TRAVERSE WITH SIDESHOTS. THE RELATIVE POSITIONAL ACCURACY OF ANY POINT ON THIS SURVEY IS BETTER THAN ± 0.10 FEET ± 200 PPM. THIS PLAT REPRESENTS A RURAL BOUNDARY SURVEY AND COMPLIES WITH THE REQUIREMENTS OF 201 KAR 18:150.

DARREN L. HELMS, P.L.S. 3385

DATE

LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(812) 237-0790
WEBSITE: LANDMARKSURVEYINGINDO.COM
PROJECT NO. 18-05-0115 © 2018



Lease Boundary Survey
693 J E Bickett Road
Raywick, Kentucky 40060

Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42701

REVISIONS DATE

REVISIONS	DATE

DATE May 7, 2018
DRAWN BY J. Harrison
CHECKED BY D. L. Helms

SHEET No.

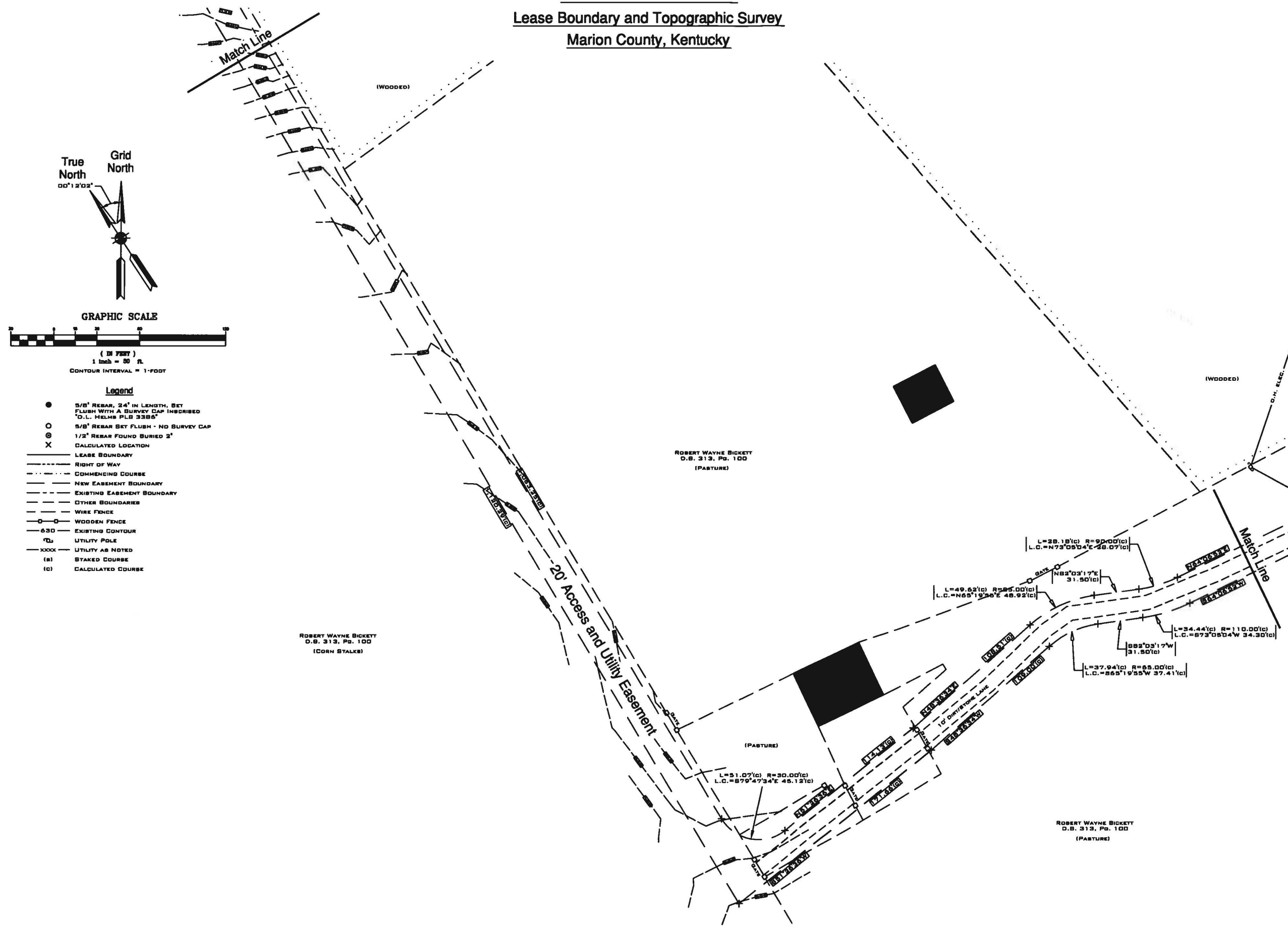
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of 3 SHEETS

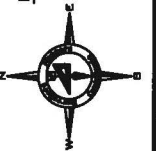
FILE NAME

raywick.dwg

SITE: RAYWICK
Lease Boundary and Topographic Survey
Marion County, Kentucky



LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(812) 237-0950
WEBSITE: LANDMARKSURVEYINGCO.COM
PROJECT NO. 18-02-0115 © 2018



Lease Boundary Survey

693 J E Bickett Road

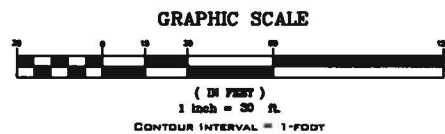
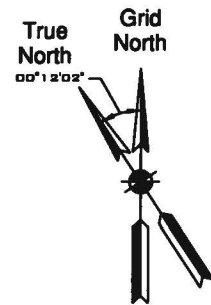
Raywick, Kentucky 40060

Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42701

REVISIONS		DATE	
DATE May 7, 2018		DRAWN BY J. J. Hamilton	
		CHECKED BY D. L. Helms	

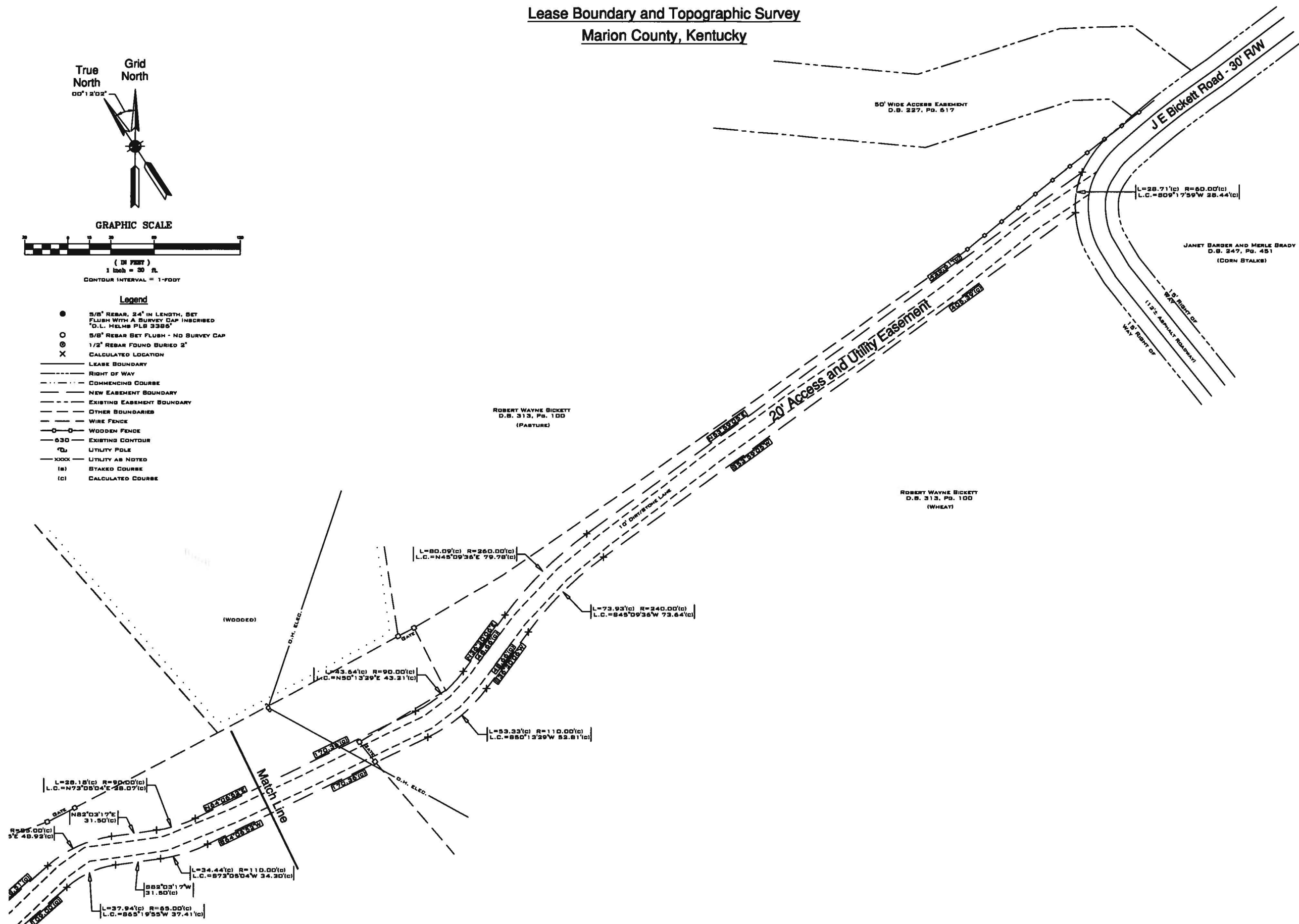
SHEET No.
2
of 3 SHEETS
FILE NAME
raywick.dwg

SITE: RAYWICK **Lease Boundary and Topographic Survey** **Marion County, Kentucky**



Legend

- 5/8" REBAR, 24" IN LENGTH, SET FLUSH WITH A SURVEY CAP INSCRIBED "D.L. HELMS PLS 3386"
- 5/8" REBAR SET FLUSH - NO SURVEY CAP
- ⊙ 1/2" REBAR FOUND BURIED 2"
- X CALCULATED LOCATION
- LEASE BOUNDARY
- - - RIGHT OF WAY
- - - COMMENCING COURSE
- - - NEW EASEMENT BOUNDARY
- - - EXISTING EASEMENT BOUNDARY
- - - OTHER BOUNDARIES
- - - WIRE FENCE
- WOODEN FENCE
- EXISTING CONTOUR
- UTILITY POLE
- UTILITY AS NOTED
- (S) STAKED COURSE
- (C) CALCULATED COURSE



LANDMARK SURVEYING CO., INC.
 15 N.E. 3RD STREET
 WASHINGTON, INDIANA 47501
 (812) 257-0930
 WEBSITE: LANDMARKSURVEYINGCO.COM
 PROJECT NO. 18-03-0115 © 2018



Lease Boundary Survey

693 J E Bickett Road

Raywick, Kentucky 40060

Bluegrass Cellular

2902 Ring Road
 Elizabethtown, KY 42701

REVISIONS	DATE

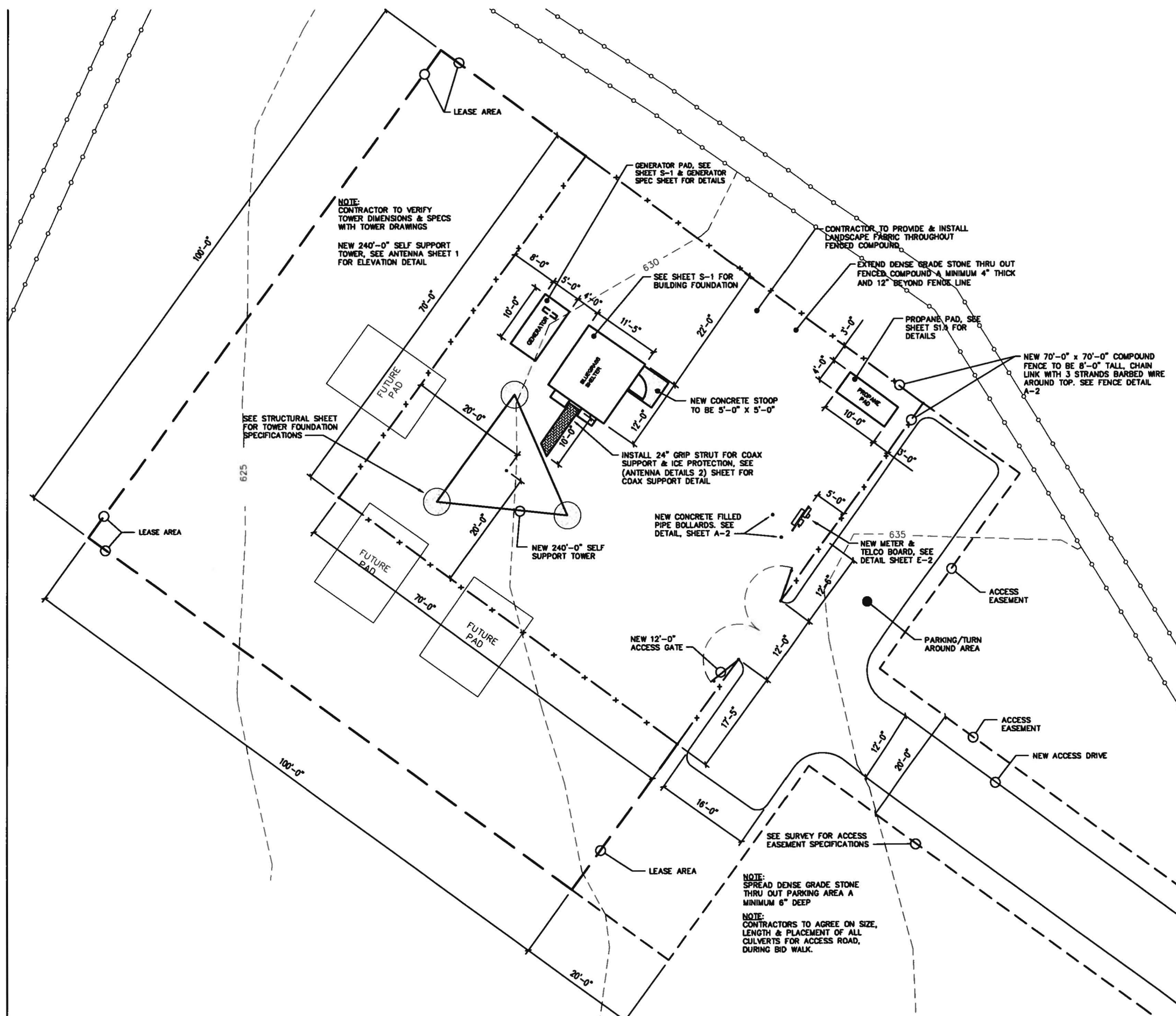
SHEET No.

3

of 3 SHEETS

FILE NAME

raywick.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..

SITE PLAN

SCALE: $\frac{1}{8}" = 1'-0"$



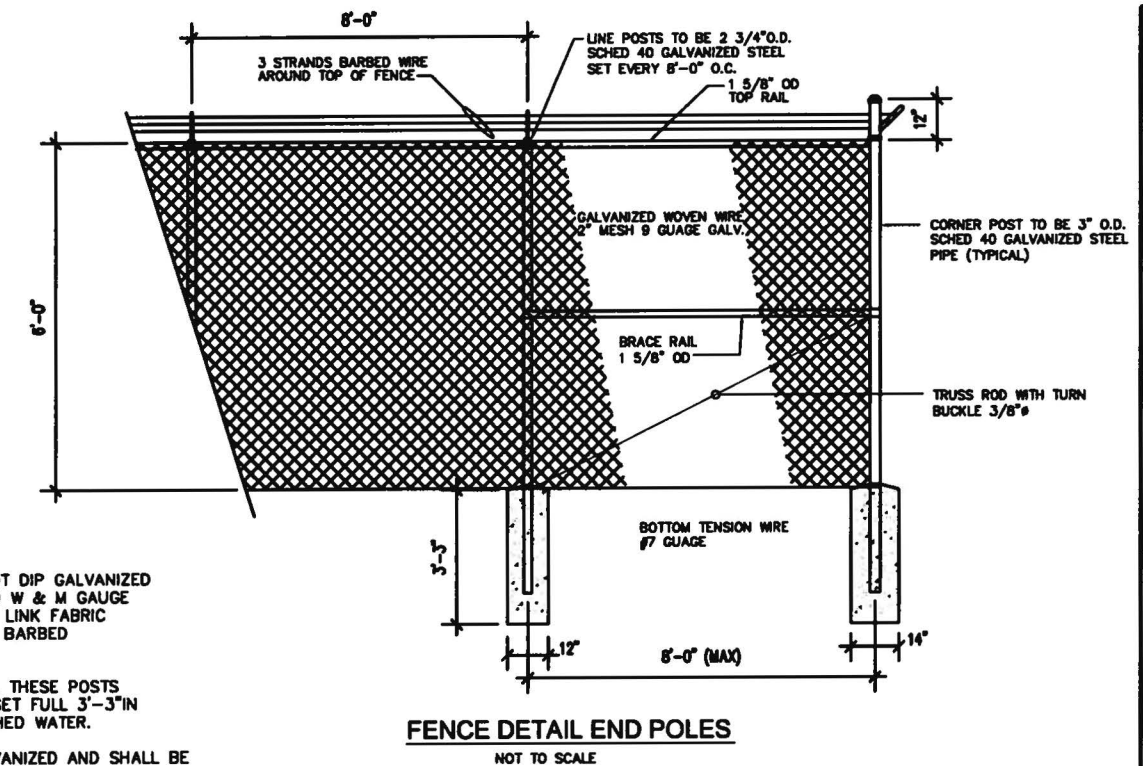
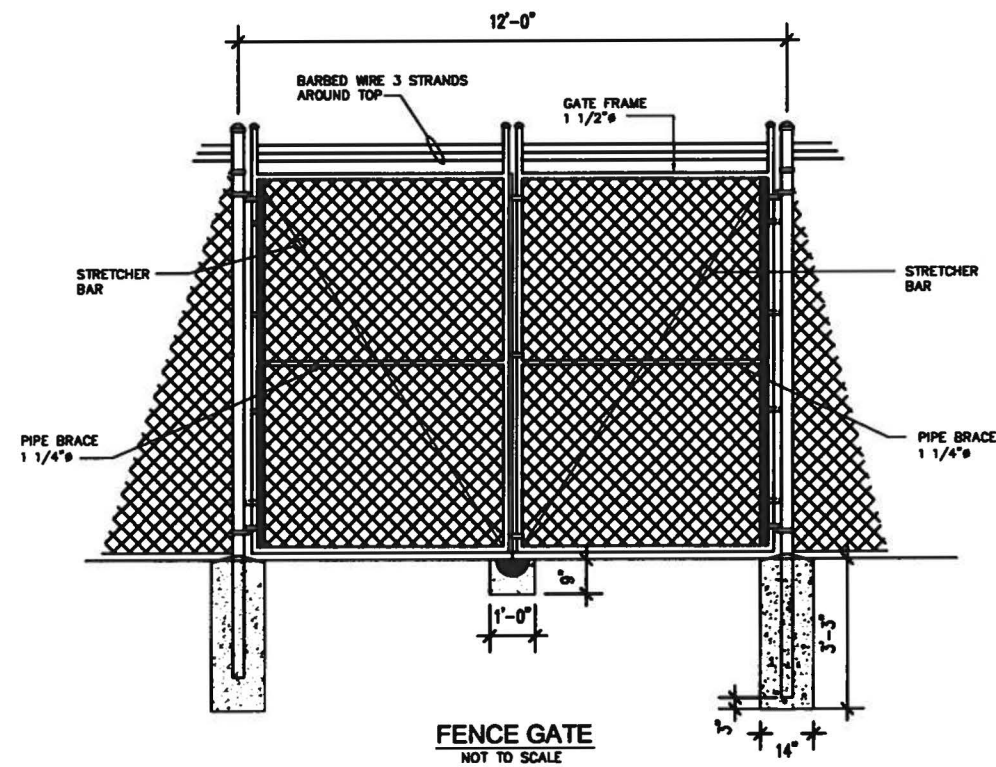
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK

693 J E BICKETT RD. RAYWICK, KY. 40060

NO.	DATE	REVISION

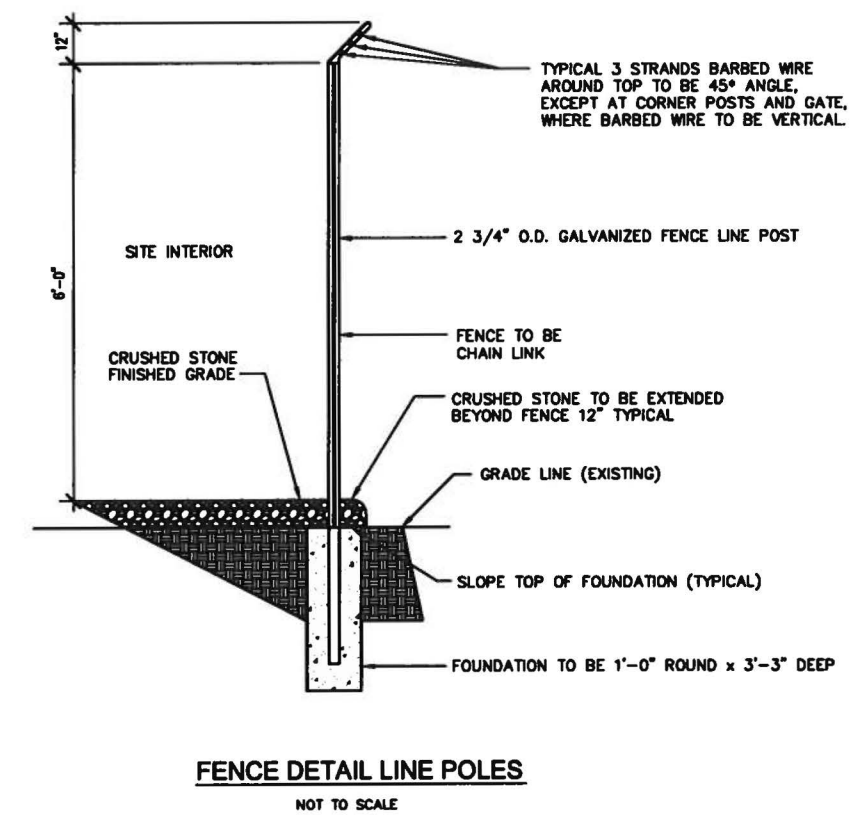
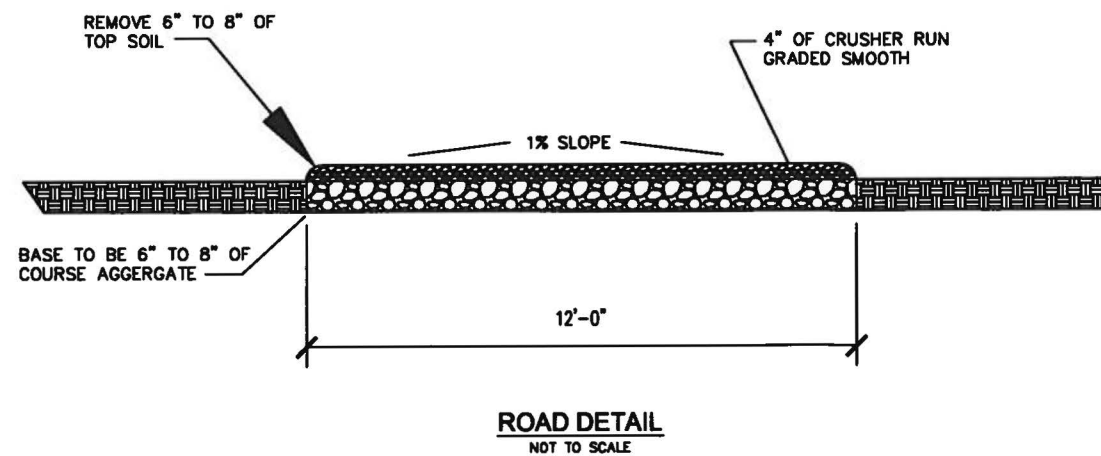
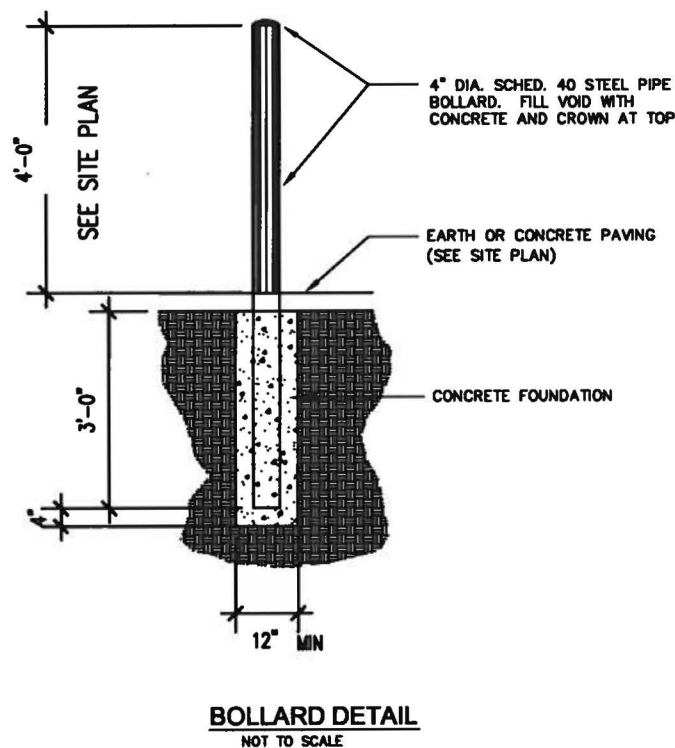
DRAWN BY: R. BECKER
ISSUE DATE: 5-31-18
SCALE: LISTED
SHEET NUMBER

A-1



- ### CHAIN LINK FENCING NOTES:

- 1 FABRIC: THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- 2 POSTS: SHALL BE 2 3/4" O.D. SS 40 PIPE 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.
- 3 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".
- 4 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".
- 5 EXTENSION ARMS: CAST STEEL GALVANIZED TO ACCOMODATE 3 STRANDS OF BARB WIRE, SINGLE ARM SLOPED TO 45°, AND VERTICAL ON TOP OF SWING GATES.
- 6 BARBED WIRE (STEEL): ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS 4 POINTS AT 3" O.C.
- 7 SWING GATE POSTS: SHALL BE 3" O.C. STANDARD HOT GALVINIZED, WEIGHING 5.79 LBS. PER FOOT.
- 8 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.
- 9 FENCE TO BE 100% ERECTED WITHIN TEN(10) DAYS OF COMPLETION OF CONSTRUCTION, IF TIME FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT SUPERVISOR.
- 10 FENCE STOPS TO BE PLACED ON INSIDE OF COMPOUND PER ACCESS GATE SPECIFICATIONS.
- 10 FENCE TO MATCH EXISTING COMPOUND FENCE.



BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS

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

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

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

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

LINES ARE TO BE SECURED TO ICE BRIDGE

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

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

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

ALL TRASH AND REFUSE IS TO BE PROPERLY DISPOSED OF.

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

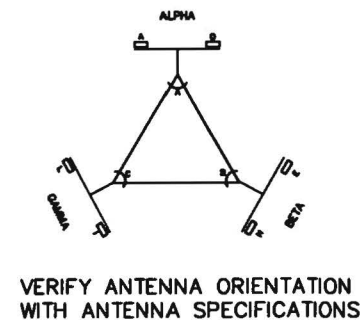
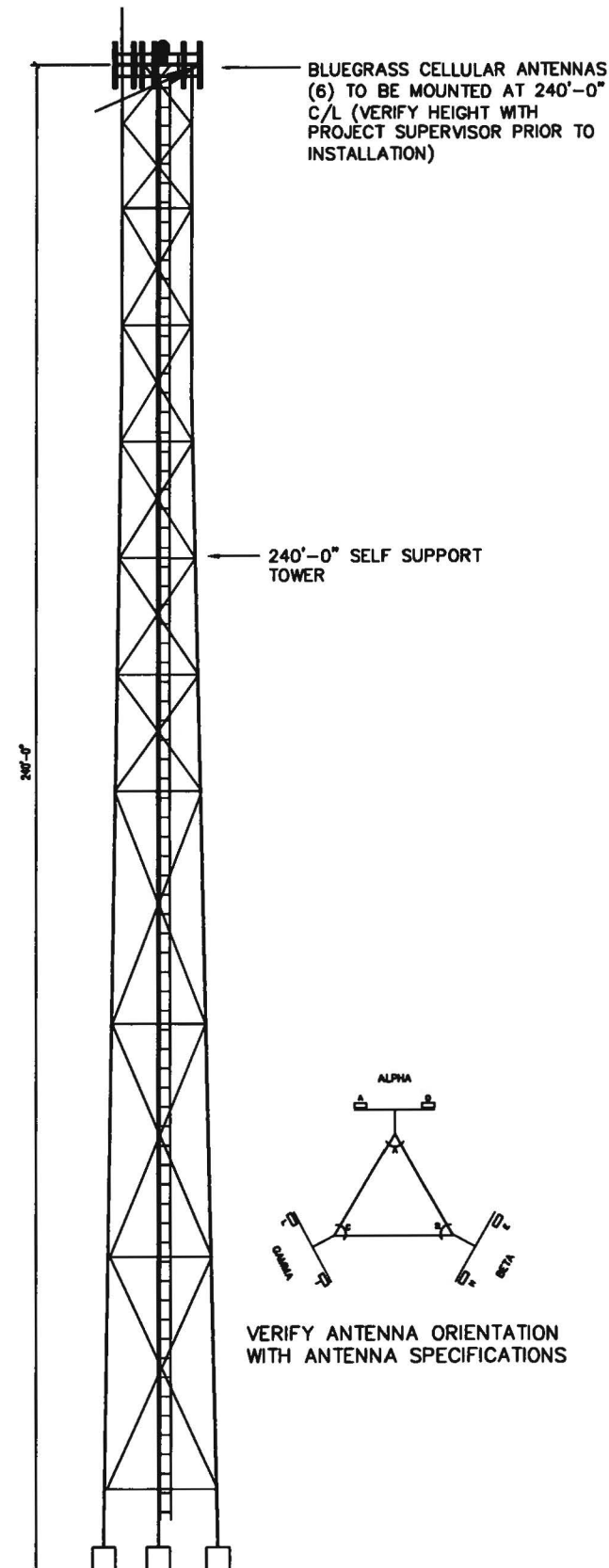
GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

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

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET & ANTENNAS COMPLETE.

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



SELF SUPPORT TOWER ELEVATION (TYPICAL)

TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (CDMA)	KATHREIN 800-10985		6	0°, 120°, 240°	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (LTE)	RRUS 2212 B13		6	A, B, G	240'-0" C/L

ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	WD 13X53 MOUNTING FRAME		3
MOUNT (SECONDARY)			

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	(7) #BAWG	7/8"	1
TRANSMISSION LINE (PRIMARY)	(24) Fiber	1/2"	1
TRANSMISSION LINE (SECONDARY)			

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1					

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 2"E
- * ANTENNAS TO HAVE A 0" Mech.

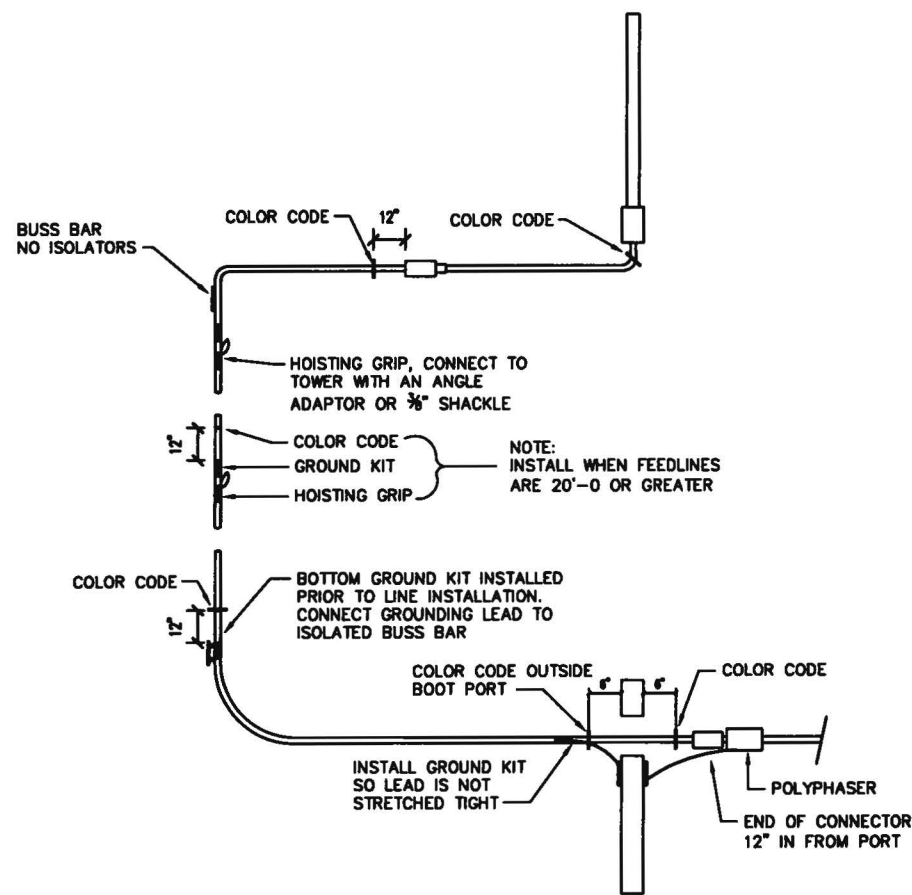


REVISION	DATE	NO.

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK
693 J E BICKETT RD. RAYWICK, KY. 40060

DRAWN BY:
R. BECKER
ISSUE DATE:
5-31-18
SCALE:
LISTED

SHEET NUMBER
ANTENNA
DETAILS
1



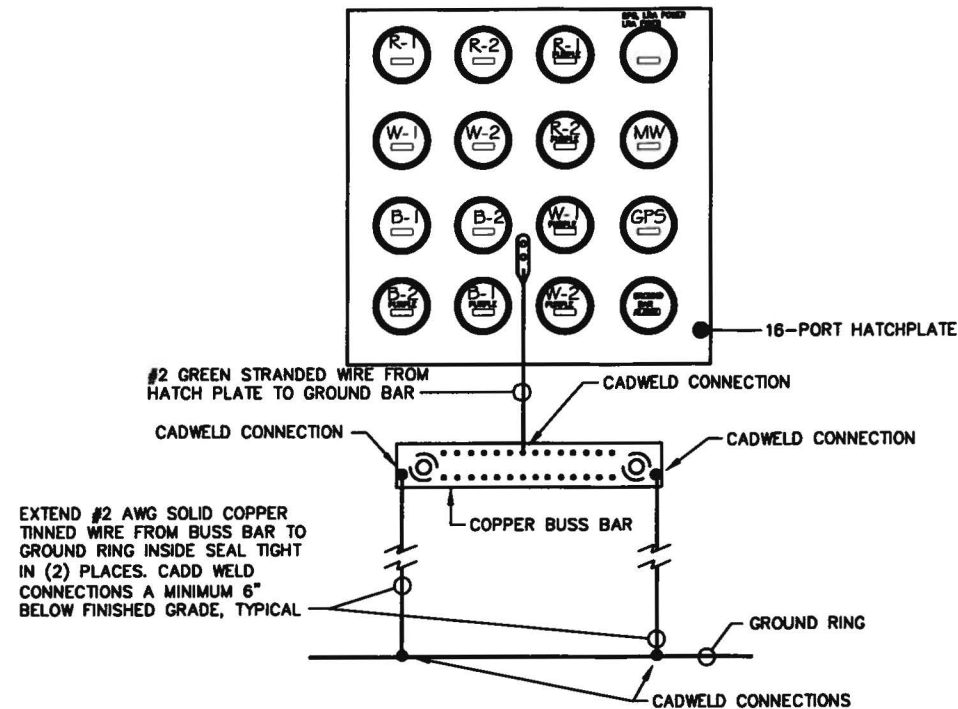
COLOR CODING DETAIL
NO SCALE

COLOR CODE DETAILS:

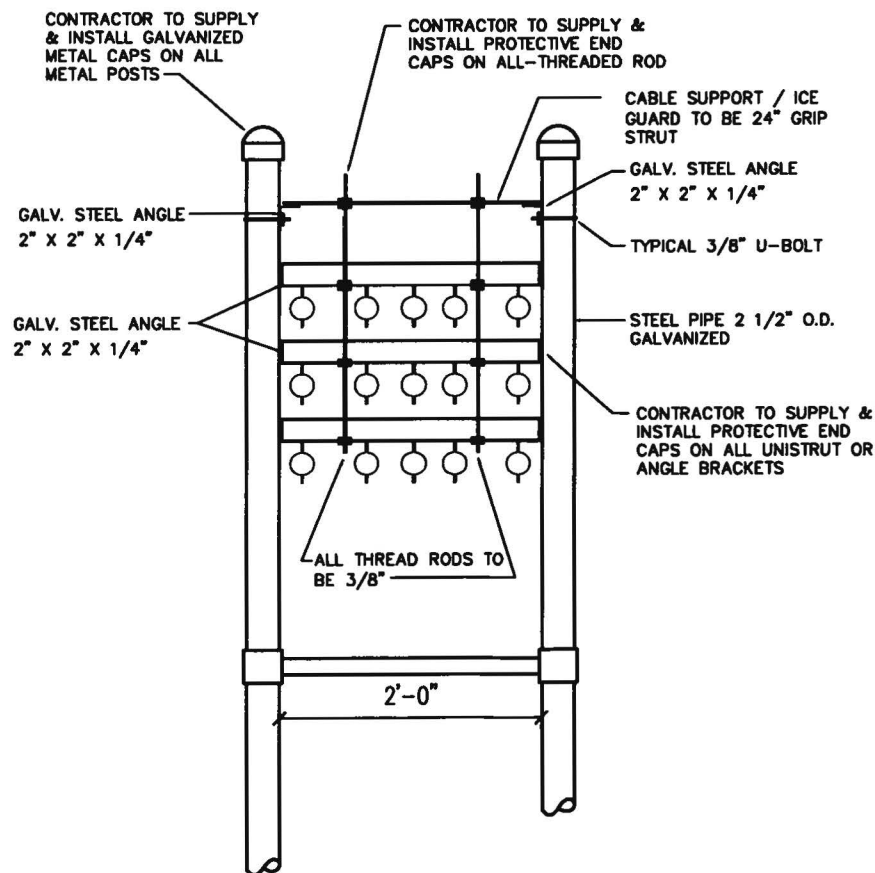
CDMA—NO COLOR OTHER THAN THE SECTOR DESIGNATORS
BCI LTE—ALWAYS 1 PURPLE BAND AFTER RED, WHITE OR BLUE SECTOR DESIGNATOR COLORS.
LRA LTE—ALWAYS HAS 1 ORANGE BAND AFTER RED, WHITE OR BLUE SECTOR DESIGNATOR COLORS.
AWS—ALWAYS HAS 2 ORANGE BANDS AFTER RED, WHITE OR BLUE SECTOR DESIGNATOR COLORS. AWS POWER AND FIBER TRUNK CABLES JUST HAVE 2 ORANGE BANDS WITH NO SECTOR DESIGNATOR COLORS SINCE ALL 3 SECTORS ARE IN TRUNK.

THE SECTOR DESIGNATOR COLORS ARE:

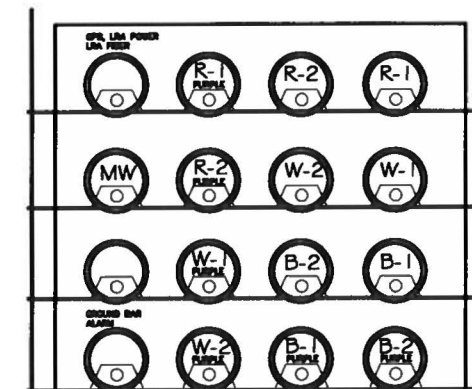
ALPHA 1—1 RED BAND
ALPHA 2—2 RED BANDS
DELTA 1—3 RED BANDS
DELTA 2—4 RED BANDS
BETA 1—1 WHITE BAND
BETA 2 —2 WHITE BANDS
EPSILON1 —3 WHITE BANDS
EPSILON 2—4 WHITE BANDS
GAMMA 1— 1 BLUE BAND
GAMMA 2— 2 BLUE BANDS
ZETA 1 — 3 BLUE BANDS
ZETA 2 — 4 BLUE BANDS
BCI LTE (PURPLE BAND)
1 RED 1 PURPLE (ALPHA 1 BCI LTE)
2 RED 1 PURPLE (ALPHA 2 BCI LTE)
1 WHITE 1 PURPLE (BETA 1 BCI LTE)
2 WHITE 1 PURPLE (BETA 2 BCI LTE)
1 BLUE 1 PURPLE (GAMMA 1 BCI LTE)
2 BLUE 1 PURPLE (GAMMA 2 BCI LTE)



BOOT PORT GROUNDING DETAIL
NO SCALE



ICE BRIDGE / COAX SUPPORT DETAIL
NO SCALE



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

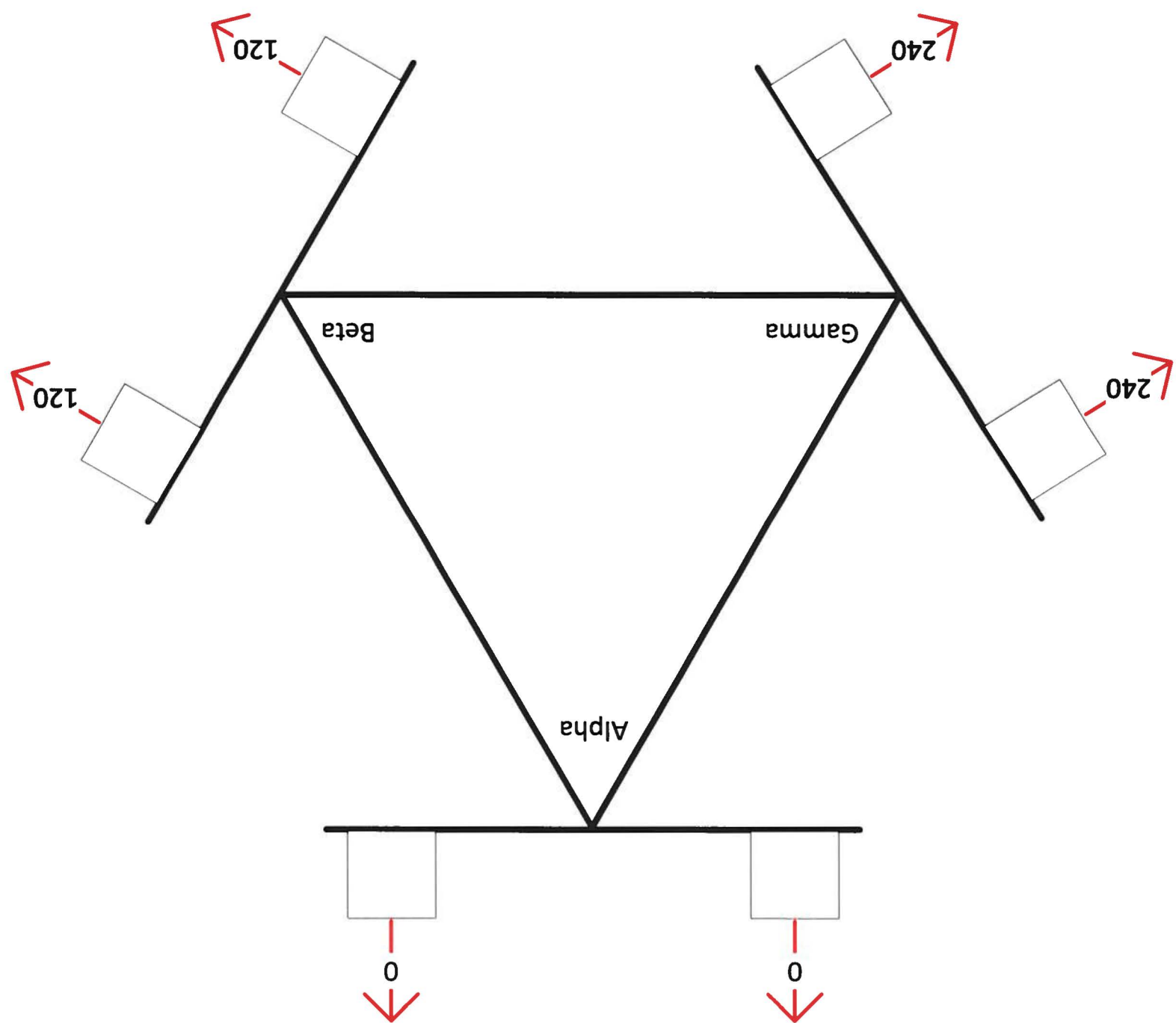


NO.	DATE	REVISION

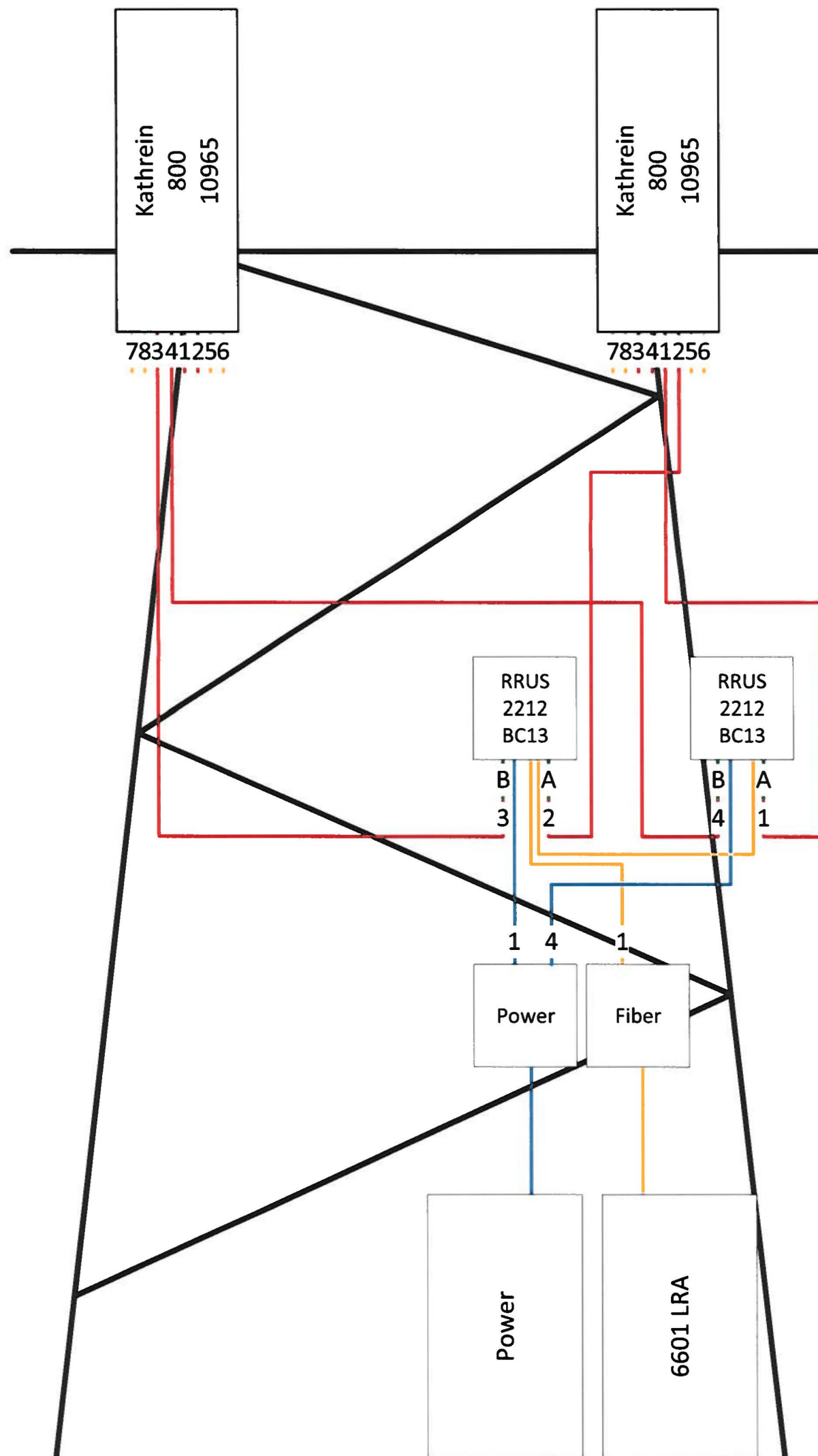
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK
693 J E BICKETT RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER	ISSUE DATE: 5-31-18	SCALE: LISTED
SHEET NUMBER ANTENNA DETAILS 2		

Raywick
LRA
Bluegrass Owned

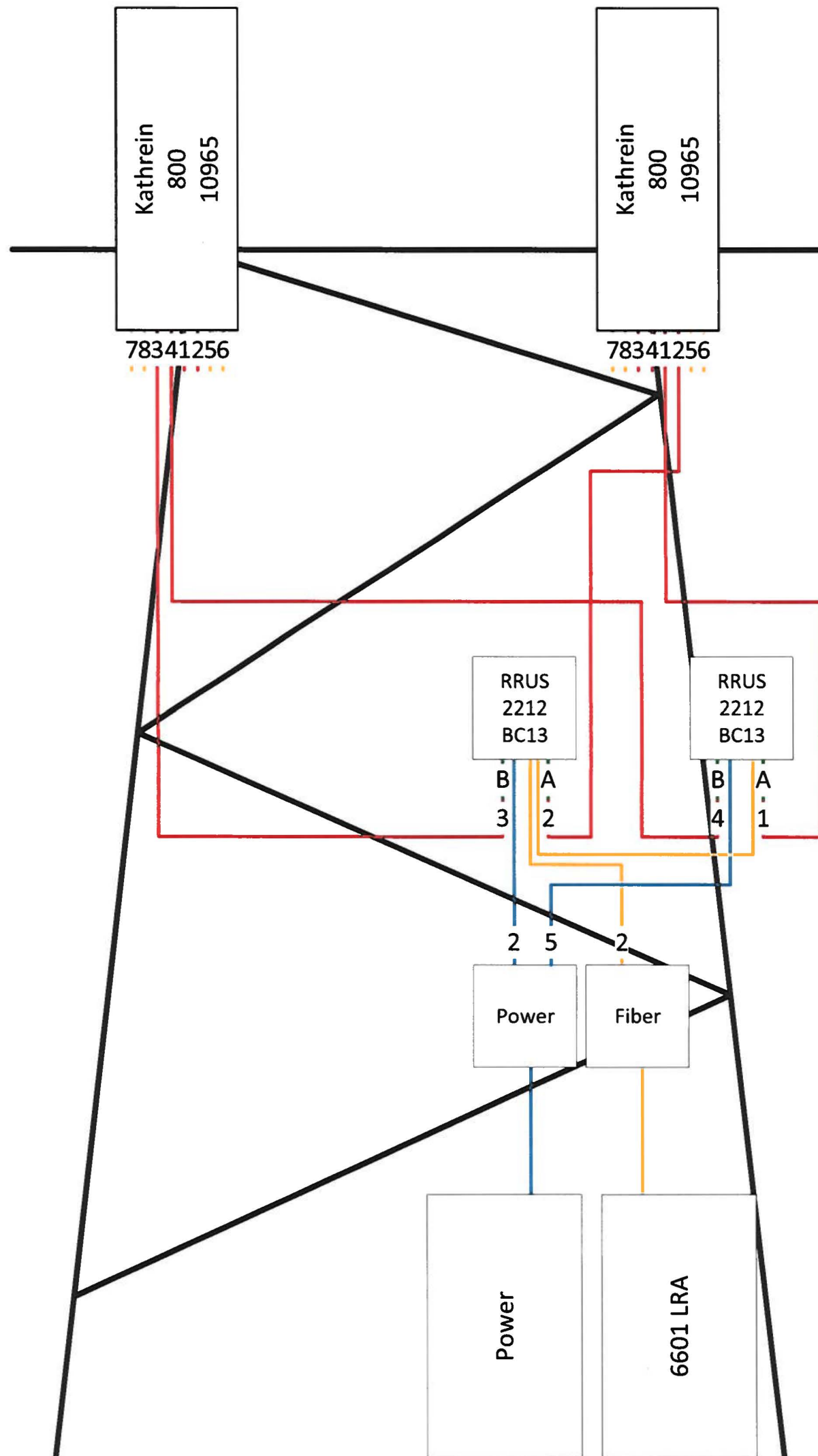


Raywick – Alpha
LRA
Bluegrass Owned



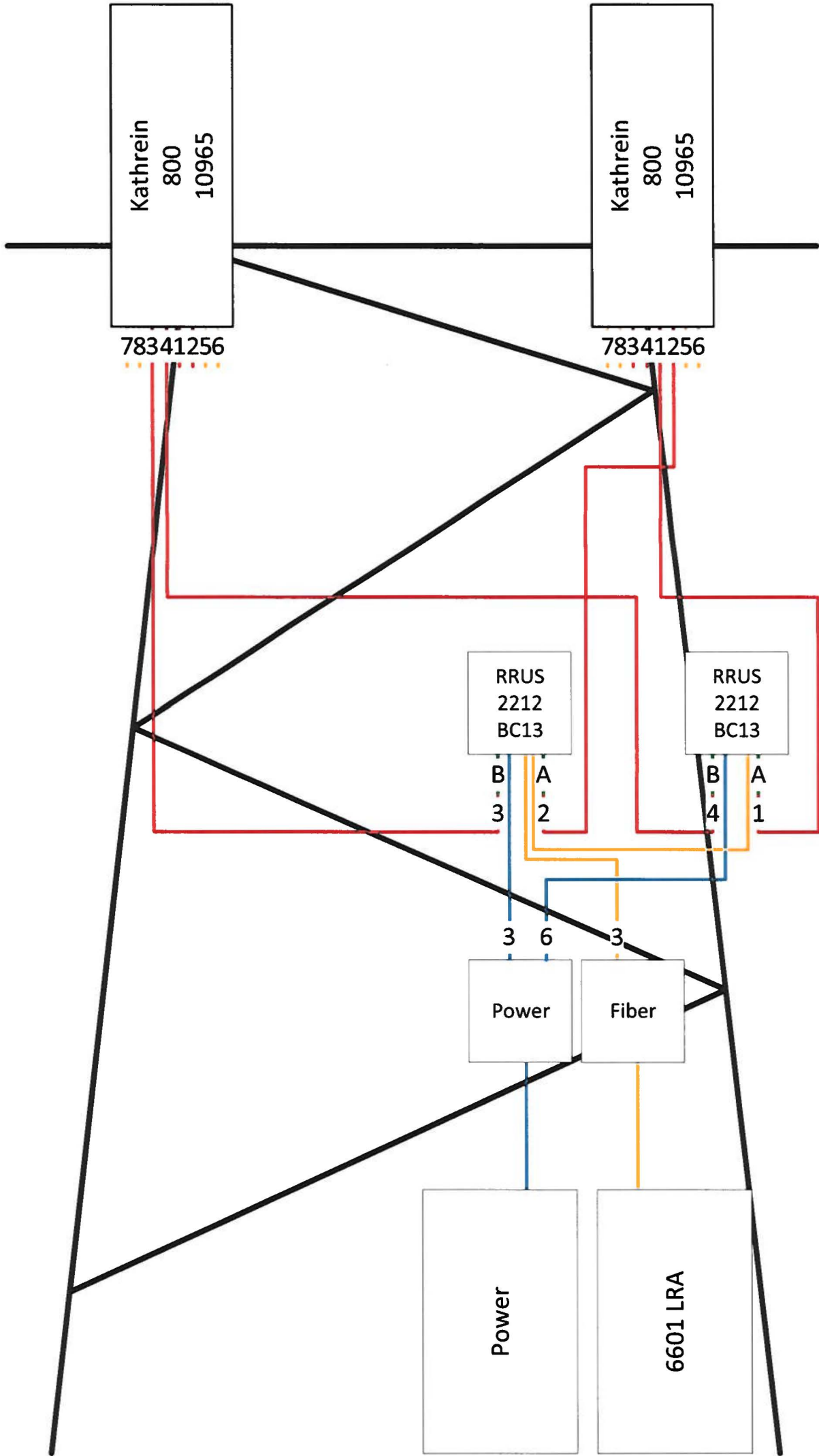
Ver 1.1
04/02/2018

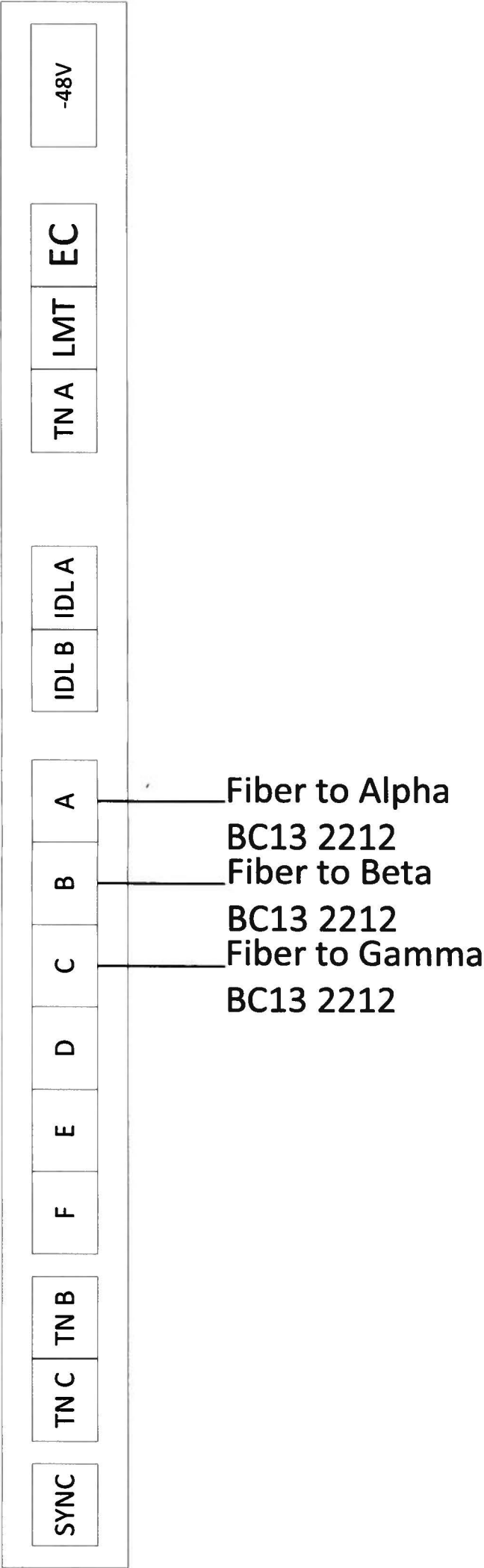
Raywick – Beta
LRA
Bluegrass Owned



Ver 1.1
04/02/2018

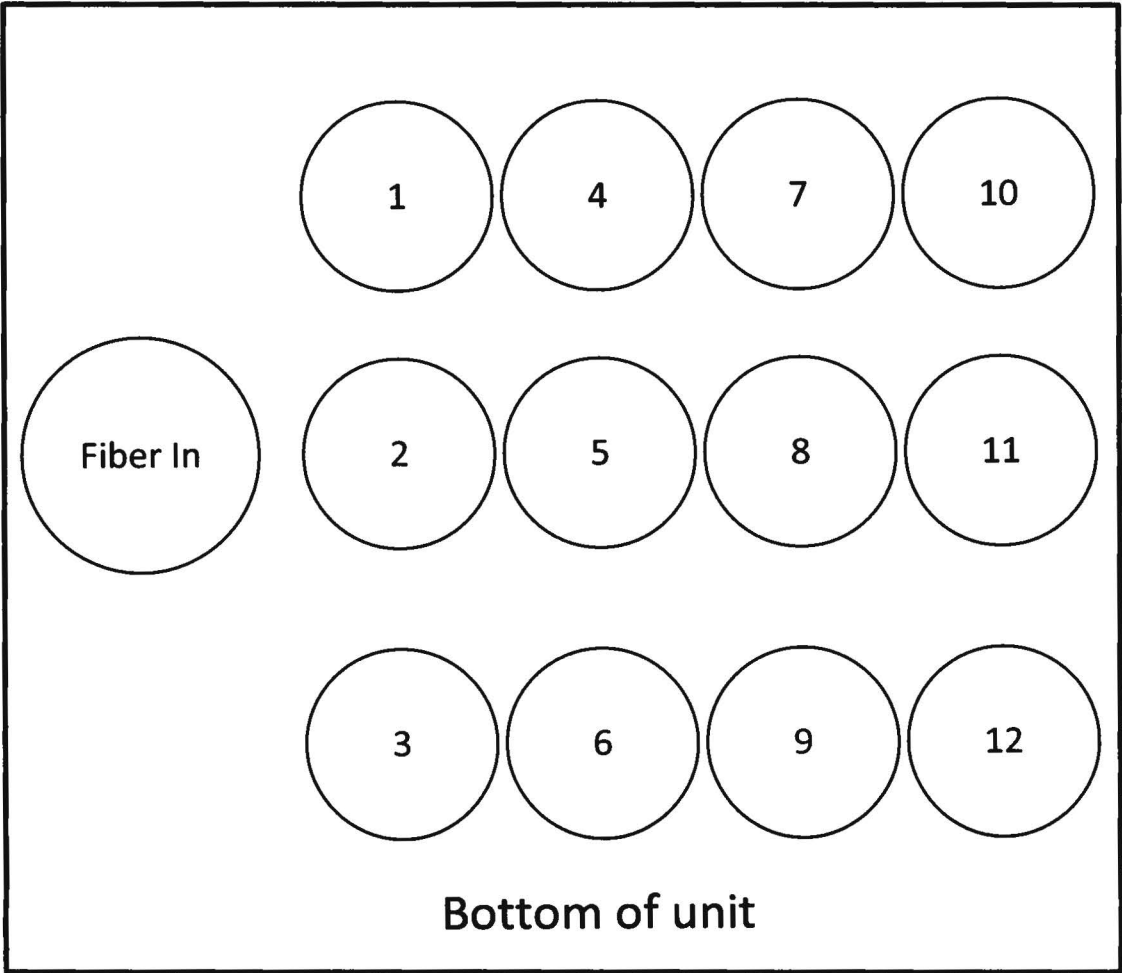
Raywick – Gamma
LRA
Bluegrass Owned



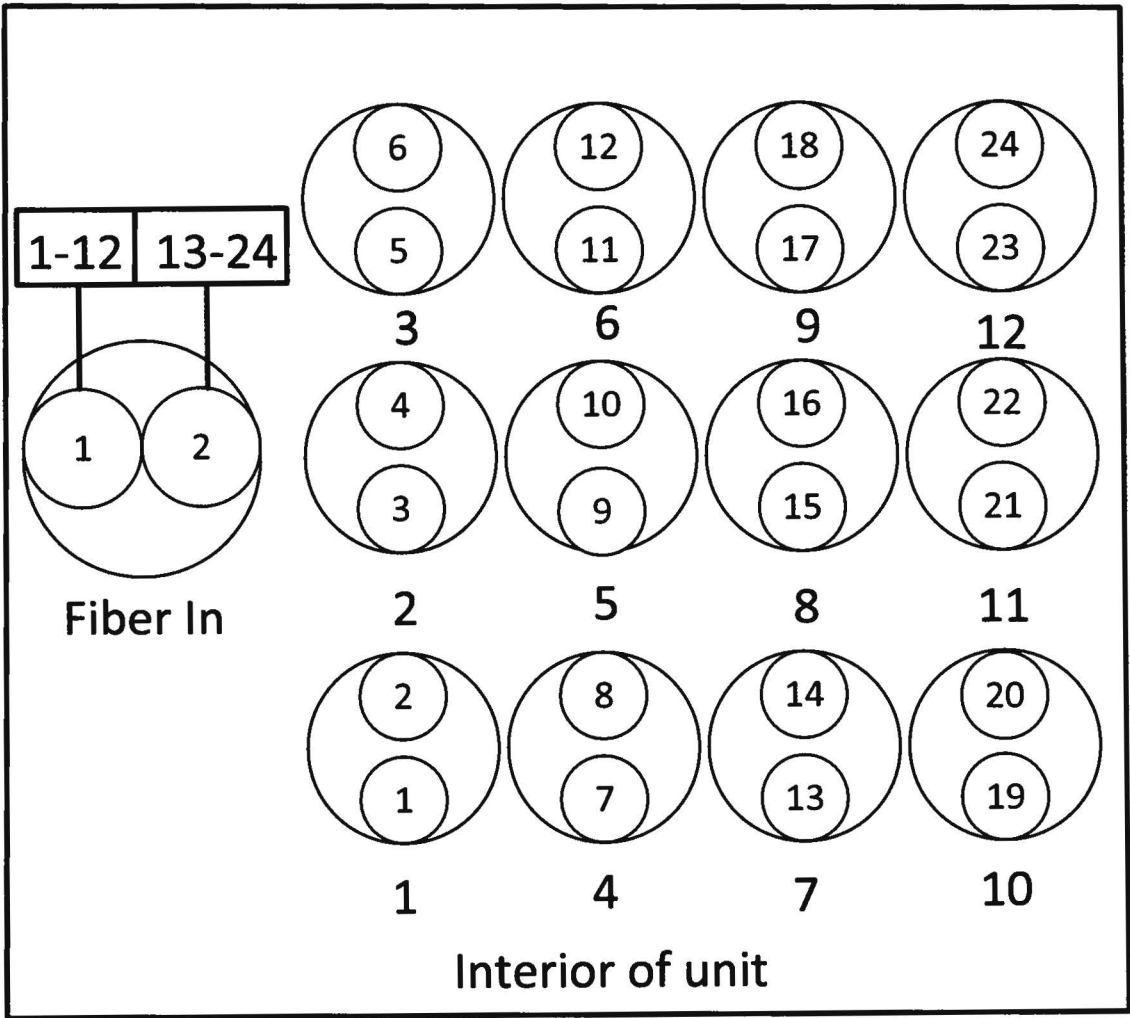


LRA 5216

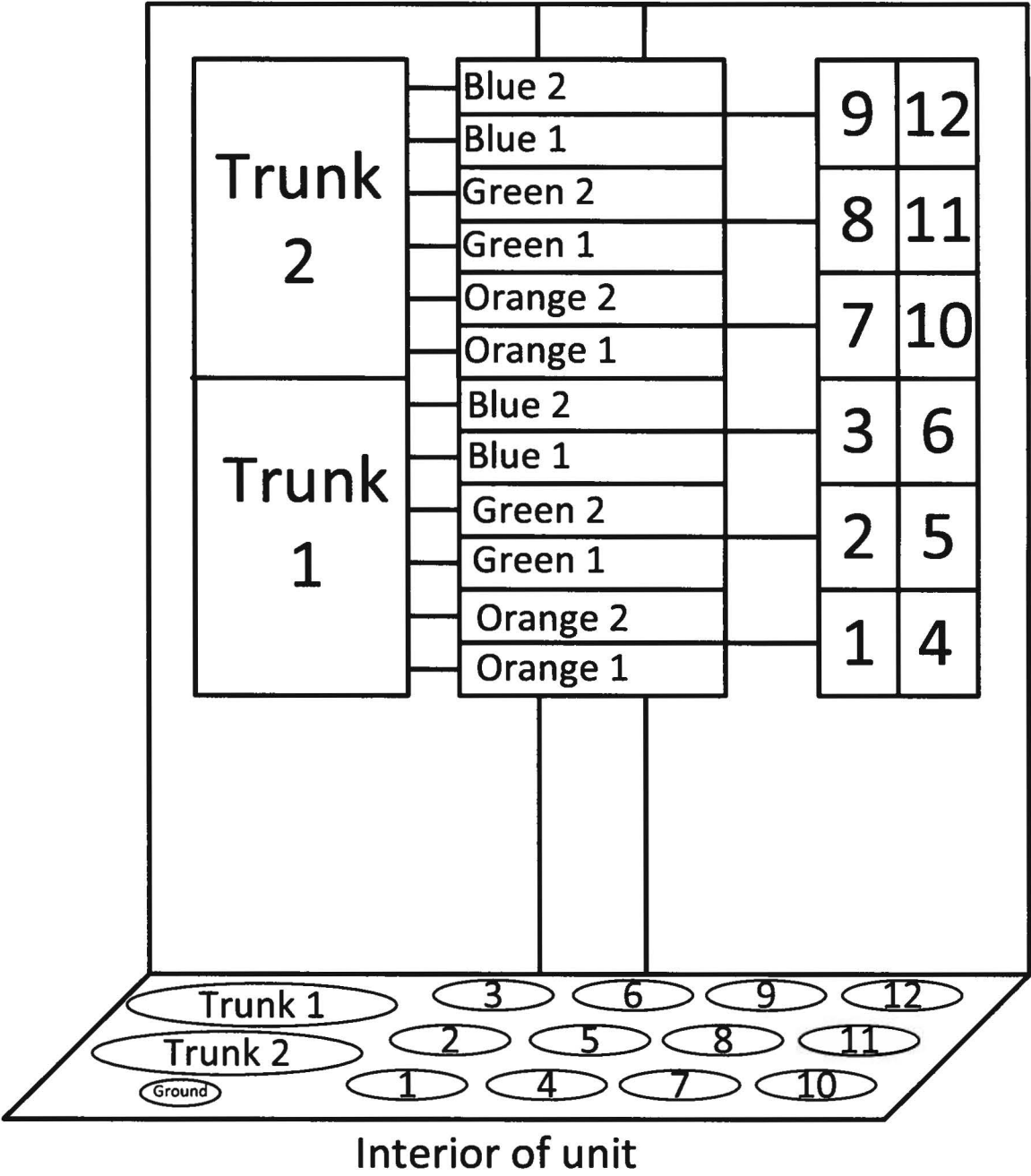
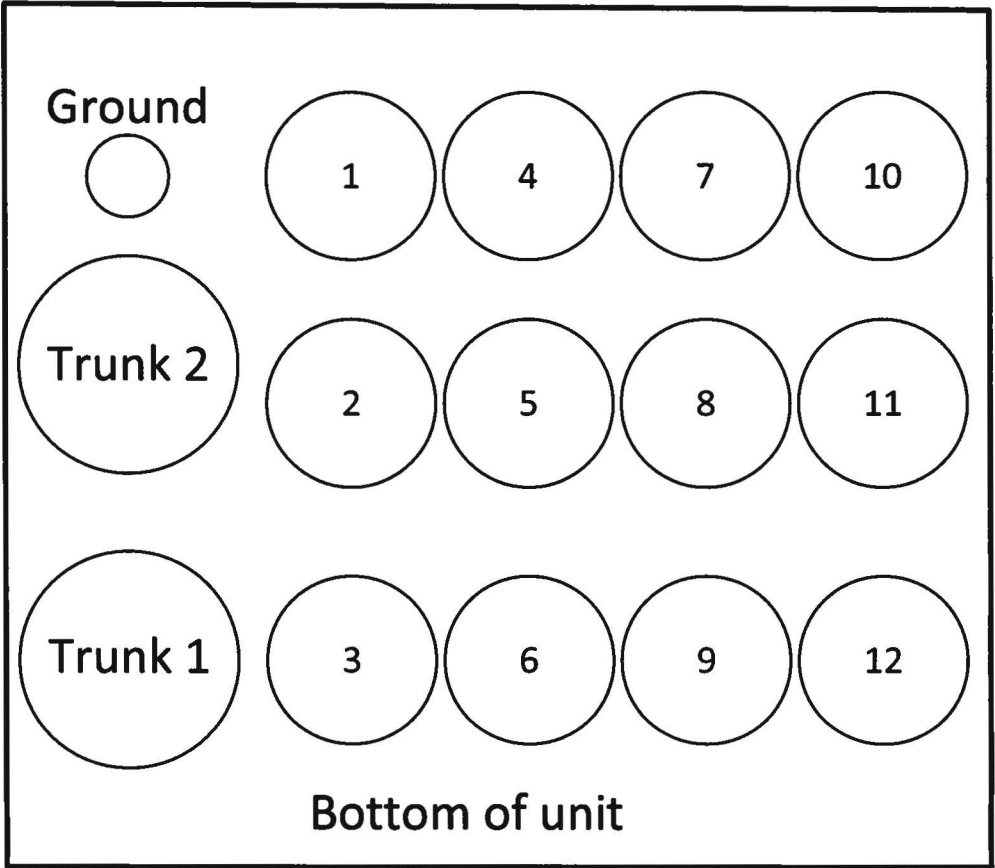
Fiber Junction Box Standard Diagram- Exterior connections

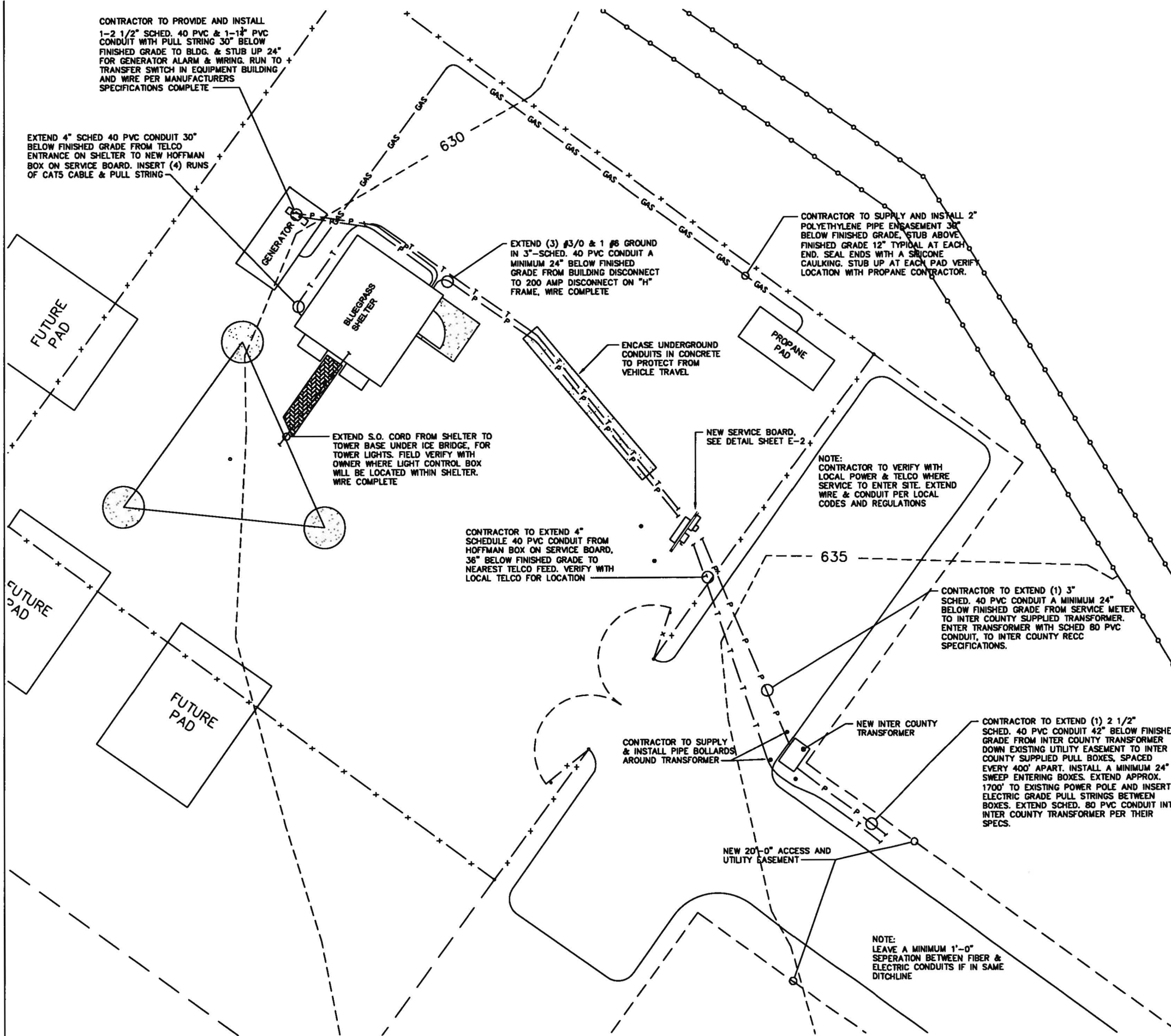


Fiber Junction Box Standard Diagram-Interior Wiring



Power Junction Box Standard Diagram





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"

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK
693 J E BICKETT RD. RAYWICK, KY. 40060

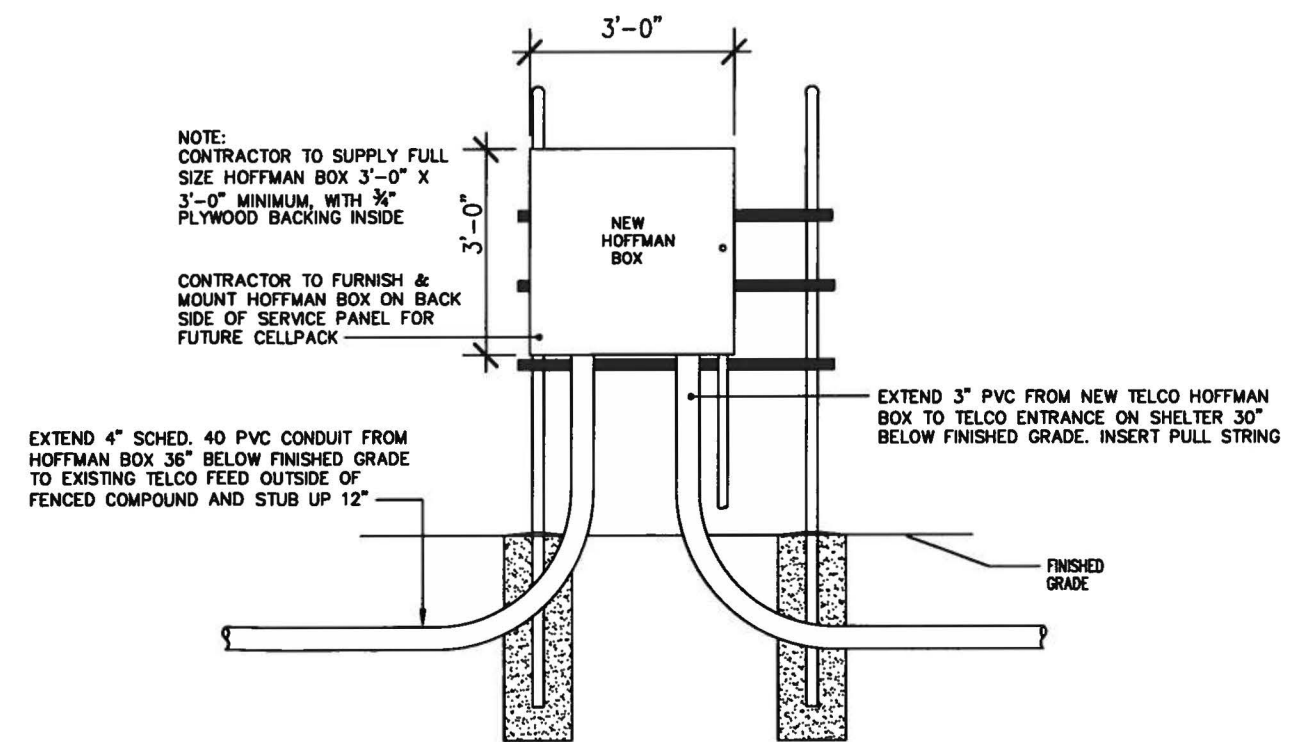
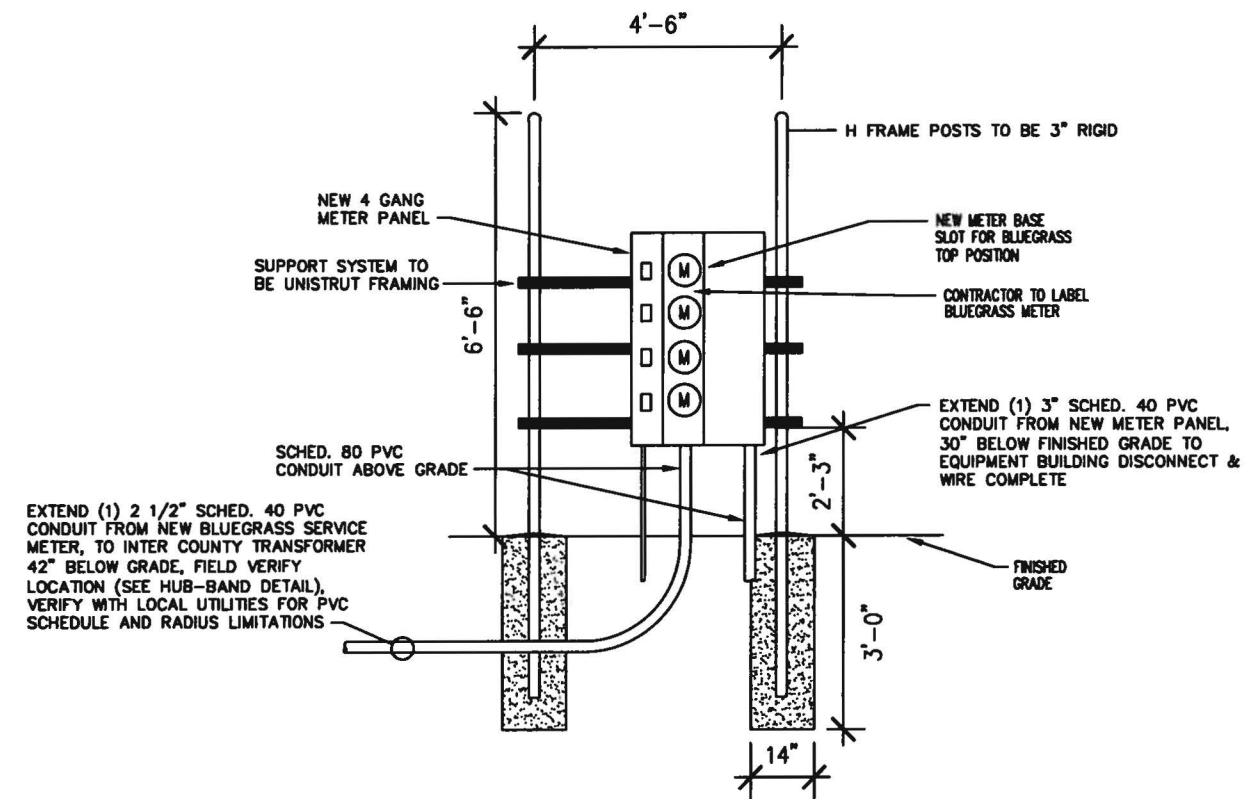
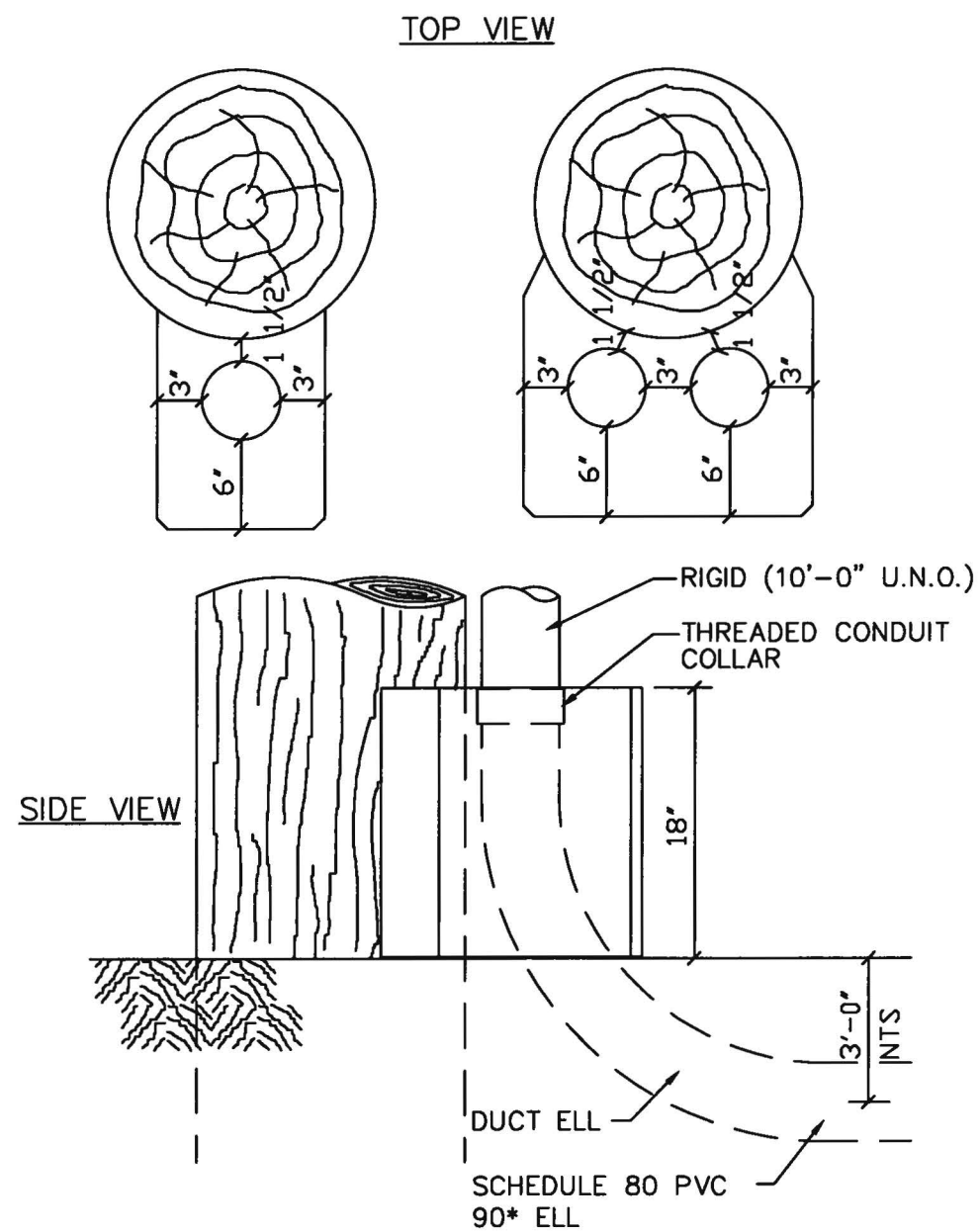
NO.	DATE	REVISION

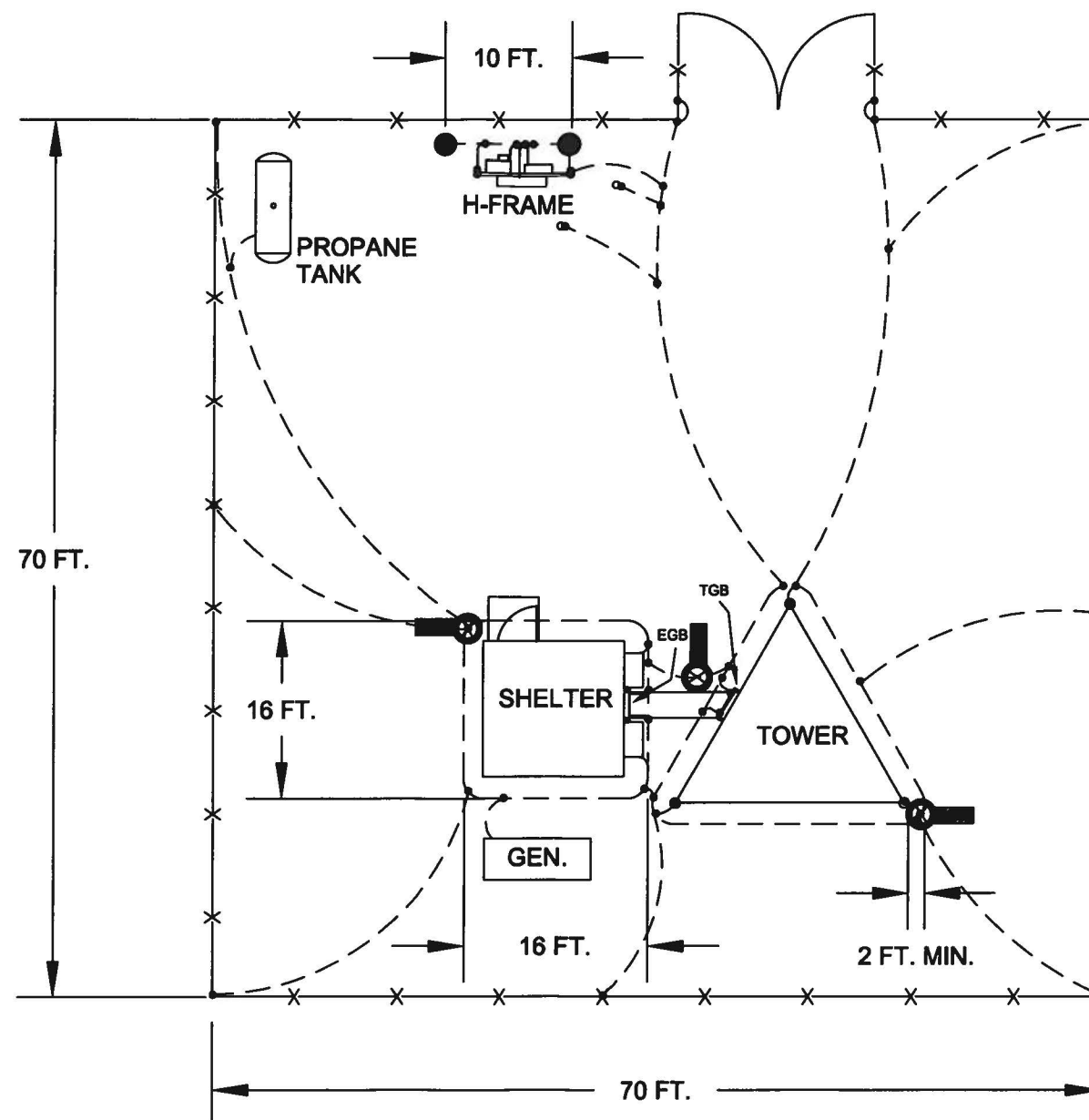
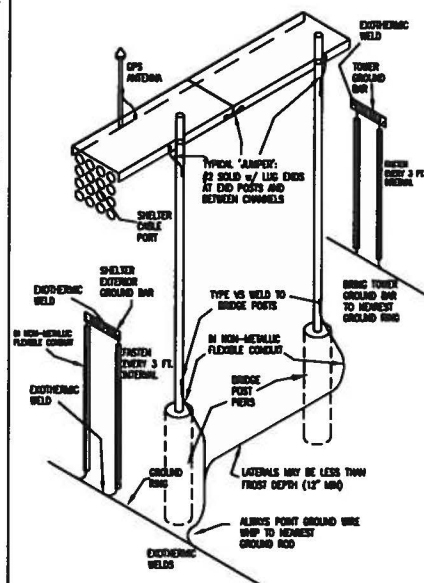
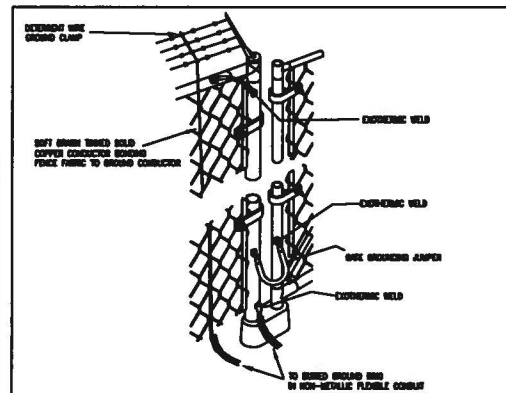
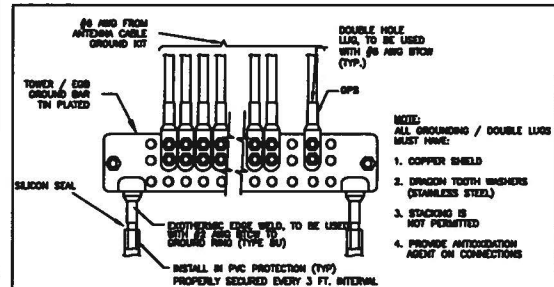
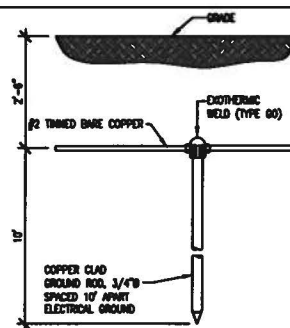
DRAWN BY: R. BECKER

ISSUE DATE: 5-31-18

SCALE: LISTED


SHEET NUMBER: E-1

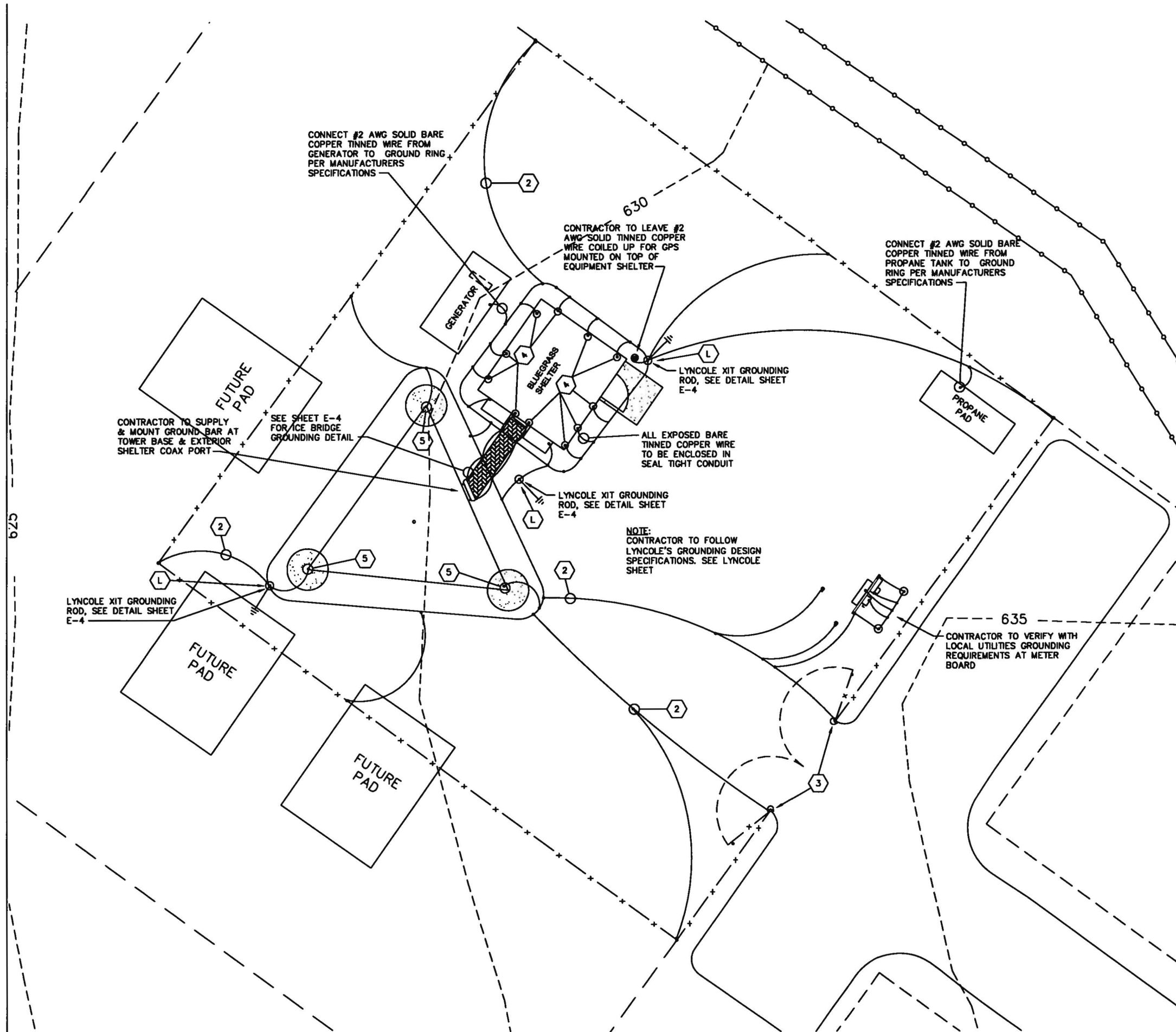




NOTES:

-

		CLIENT / END USER	
		BLUEGRASS CELLULAR	
TECHNICAL SERVICES 3547 VOYAGER STREET, SUITE 204 TORRANCE, CA. 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		DRAWING	PROJECT NAME
		1	RAYWICK
		TITLE	
		GROUNDING OPTION	
		LOCATION: CITY, STATE	CALCULATED RESISTANCE
		RAYWICK, KY	< 5 OHMS
		DRAWN BY	DATE
		BBD	06/11/18
SOIL DATA PROVIDED BY TERRACON		REFERENCE NUMBER	SCALE
		N/A	NONE
		LTS NUMBER	
			20181207



GENERAL ELECTRICAL NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
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- 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)
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- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
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- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

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

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

KEYNOTES:

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

SITE PLAN-GROUNDING

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

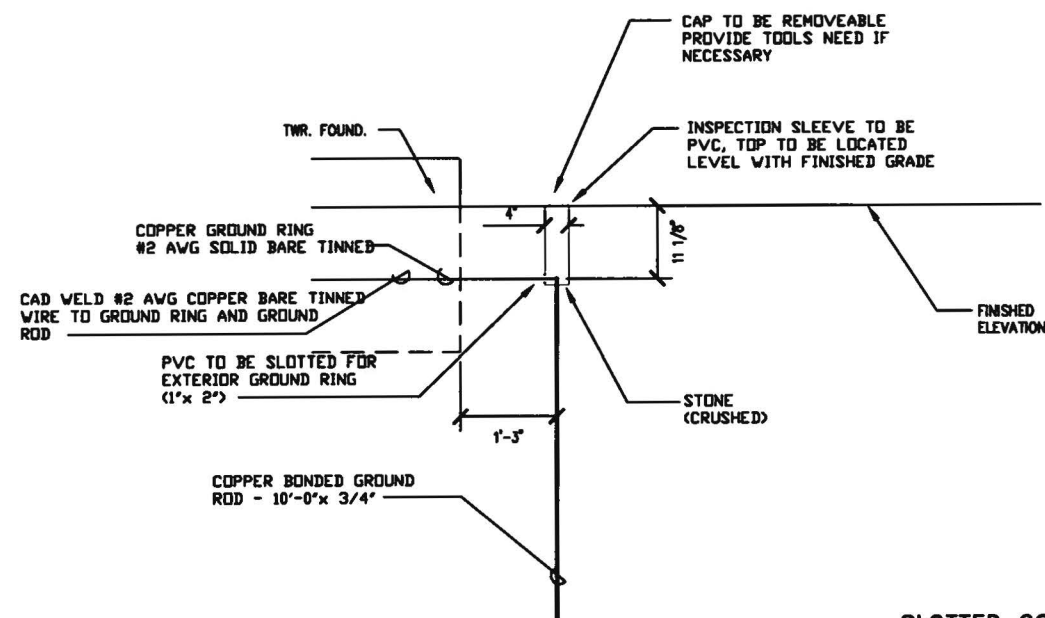


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK
693 J E BICKETT RD. RAYWICK, KY. 40060

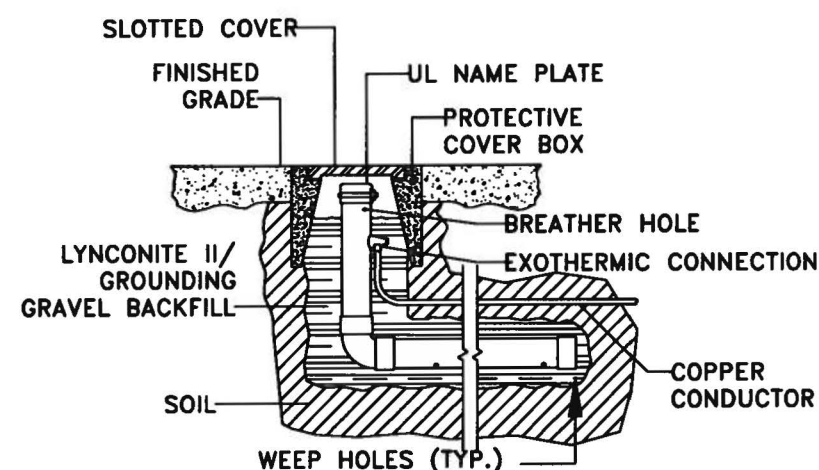
DRAWN BY:
R. BECKER
ISSUE DATE:
5-31-18
SCALE:
LISTED

SHEET NUMBER
E-3



GROUND ROD DETAIL

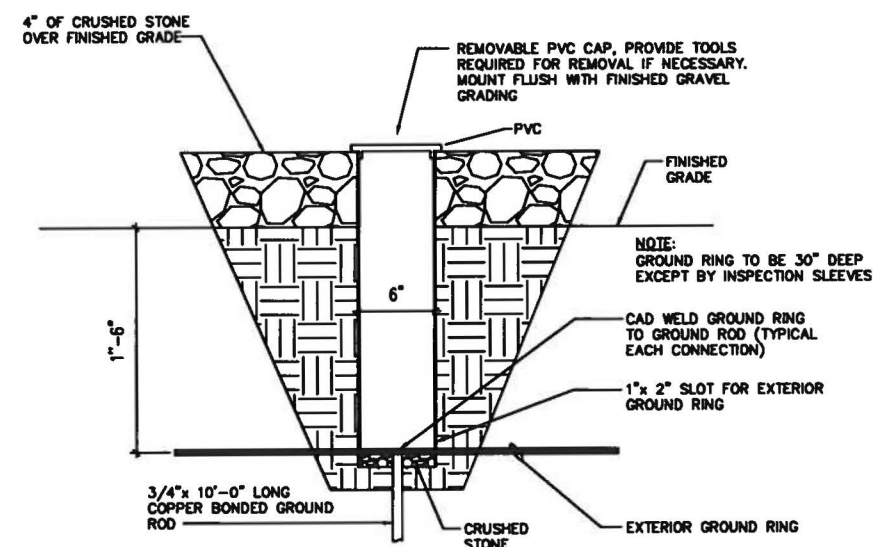
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L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

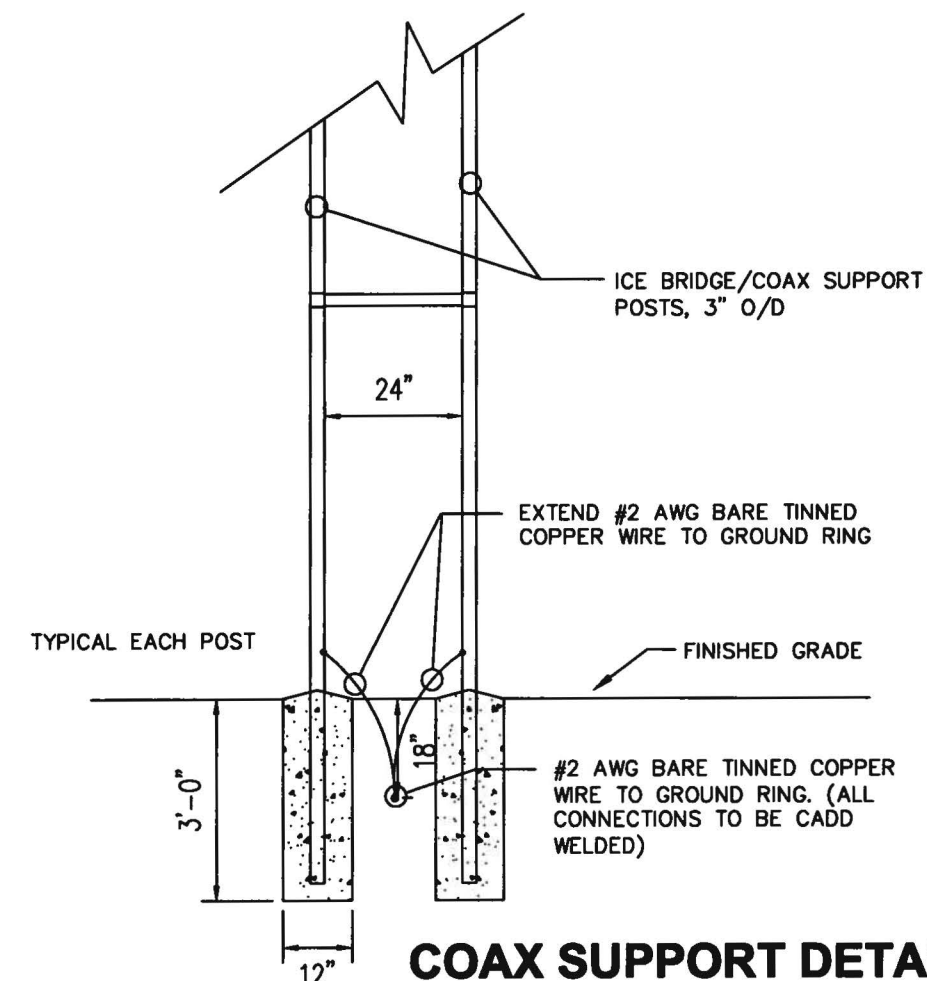
LYNCOLE XIT ROD DETAIL

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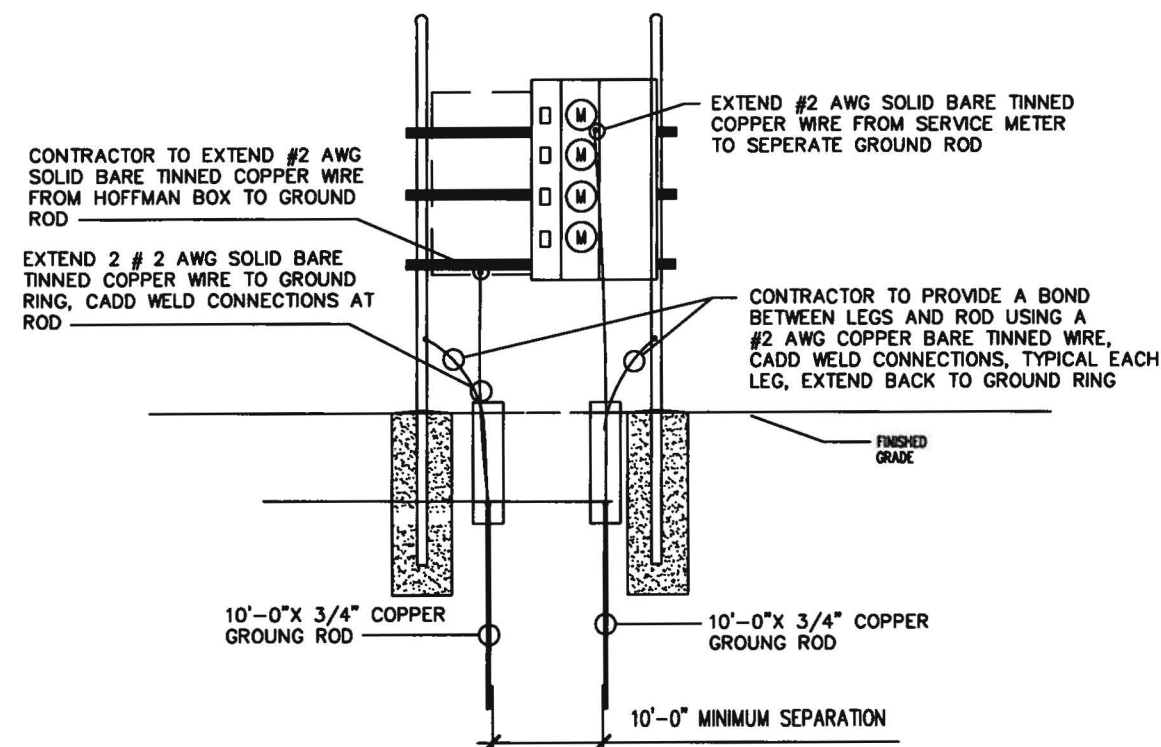
GROUND SLEEVE DETAIL

NO SCALE



COAX SUPPORT DETAIL

NO SCALE



SERVICE BOARD DETAIL

NO SCALE



BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK

693 J E BICKETT RD. RAYWICK, KY. 40060

DRAWN BY:
R. BECKER
ISSUE DATE:
5-31-18
SCALE:
LISTED

SHEET NUMBER

E-4

GENERAL NOTES:

1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS INCURRED.

2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.

3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.

4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.

5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.

6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.

7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.

8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.

9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.

10) CONTRACTOR, ANY CONTRACTOR EMPLOYEES OR REPRESENTATIVES, OR SUB-CONTRACTOR, ANY SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL CONFORM TO ALL LAWS AND REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO, ALL OCCUPATIONAL SAFETY AND HEALTH ACT ("OSHA") STATUTES AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTOR.

11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.

12) THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK NECESSARY TO REPAIR DAMAGED AREAS.

13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.

14) CONTRACTOR'S RESPONSIBILITIES REGARDING BUILD OUT ON FIBREBOND EQUIPMENT SHELTERS TO INCLUDE:

- * INSTALLING THE DOOR CANOPY
- * INSTALLING EXTERIOR LIGHT ON WALL DETERMINED BY PROJECT SUPERVISOR AND PHOTOCCELL REQUIREMENTS
- * INSTALLING INTRUDER ALARMS
- * CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
- * ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
- * INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
- * INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
- * CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
- * CHECK OPERATION OF INTAKE AND EXHAUST LOUVERS AND ADJUST AS NEEDED
- * CHECK OPERATION OF ENVIRONMENTAL CONTROLS AND HVAC UNITS
- * INSTALL AND PAINT SHELTER TIE-DOWNS TO MATCH

15) INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.

16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

17) GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.

18) GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.

19) GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.

20) GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.

21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP. PREFERRED SUPPLIERS ARE EMPIRE & AMERIGAS

22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.

23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.

24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.

25) GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-8315

26) T1 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE T1 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)

27) GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.

28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC

29) GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.

30) GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.

31) GC WILL BE RESPONSIBLE FOR HAVING A CERTIFIED ELECTRICIAN HOOK UP THE BATTERIES (IMMEDIATELY) AFTER POWER HAS BEEN TURNED UP AT THE SITE, PREVENTING THE DELAY OF ANY WORK FOR OPERATIONS. THE GENERAL CONTRACTOR MUST NOTIFY THE PROJECT SUPERVISOR IMMEDIATELY AT THIS TIME SO HE CAN COORDINATE A CELL TECH TO BE ONSITE WHEN THIS OCCURS.

32) GC WILL BE RESPONSIBLE FOR RUNNING (CAT5) FROM THE GENERATOR ALARM PANEL MOUNTED ON THE SIDE OF THE TRANSFER SWITCH (BY THE CONTRACTOR), THROUGH THE TRANSFER SWITCH AND UP TO THE EXISTING CONDUIT BESIDE THE A/C POWER FAIL RELAY. THE (CAT5) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CAT5) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.

33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).

34) GC MUST DISPLAY FCC TOWER REGISTRATION NUMBER AND EMERGENCY PHONE NUMBERS ON 3'-0 X 4'-0" MINIMUM WOODEN BACKBOARD SOMEWHERE ON SITE LOCATION PRIOR TO BREAKING GROUND.

GRADING & EXCAVATING NOTES:

1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.

2) PREPARATION FOR FILL:
REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.

3) BACK FILLING:
- EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
- SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
- SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.

4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.

5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.

6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.

7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.

8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.

9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.

10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)

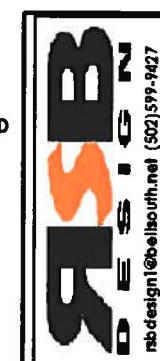
11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

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

"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.



BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
RAYWICK
693 J E BICKETT RD. RAYWICK, KY. 40060

DRAWN BY: R. BECKER	ISSUE DATE: 5-31-18	SCALE: LISTED
SHEET NUMBER		
General Notes		

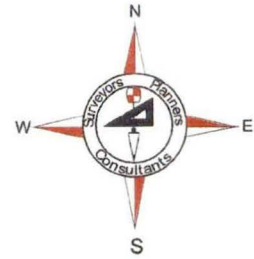
LANDMARK SURVEYING CO., INC.

15 N.E. 3RD STREET • WASHINGTON, INDIANA 47501

PHONE: 812.257.0950 • WEBSITE: WWW.LANDMARKSURVEYINGCO.COM

DARREN L. HELMS, P.S., PRESIDENT

DENNIS N. HELMS, P.S., CPESC, VICE-PRESIDENT



Directions to the Site

From the County Seat of Marion County, Kentucky

Raywick Site

From the intersection of U.S. Highway 68 (West Main Street) and Kentucky Highway 49 (Proctor Knott Avenue) in downtown Lebanon, Kentucky: travel southwesterly on U.S. Highway 68 for 2.6 miles to Kentucky Highway 426; turn right onto Kentucky Highway 426 and travel westerly for 3.4 miles to Kentucky Highway 84 (Raywick Road); turn left onto Kentucky Highway 84 and continue to travel westerly for 3.9 miles to J E Bickett Road, which is 0.7 miles east of Raywick; turn left onto J E Bickett Road and travel southeasterly for 0.6 miles to a sharp curve in the road and a lane leading southwesterly toward a barn; continue onto the lane and travel southwesterly for 0.2 miles, passing the barn and through the barn lot, to a gate and entrance to an agricultural field; turn right and travel northwesterly, through the field and along a wire fence, for 0.2 miles to the tower site at the north end of the field. The address of the site is 693 J E Bickett Road, Raywick, Kentucky 40060.

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

MAY 7, 2018
Date



Site Name: Raywick

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 31st day of January, 2018, by and between Robert Wayne Bickett, married, whose address is 675 J. E. Bickett Road, Raywick, KY 40060 (the "Optionor (s)") and Kentucky RSA #4 Cellular General Partnership (a Kentucky general Partnership) with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

W I T N E S S E T H:

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 a portion of the Property upon the terms and conditions set forth herein;

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

1. In consideration of the payment 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),

Site Name: Raywick

the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease a portion of the Property upon the terms and conditions hereinafter set forth (the "Option") for a period of eighteen (18) months, commencing on the date of full execution (the "Option Period"), as set forth in Paragraph 5 thereof.

2. The parties hereto anticipate that the portion of the Property which is the subject of this Option will comprise approximately a **One Hundred Foot by One Hundred Foot** area, together with a right of way across the Property for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the portion of the Property to be leased by it 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 portion of the Property to be leased by the Optionee, including the right of way, shall be determined by the surveyor and shall hereafter be referred to as the "Leased Premises." 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 Leased Premises 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 Leased Premises shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.
5. If the Optionee elects to exercise the Option in accordance with the terms hereof, notice of such election shall be deemed sufficient if personally delivered or sent by

Site Name: Raywick

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, or any portion thereof, 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 Leased Premises 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 Leased Premises shall be acquired by public authority under the right or threat of eminent domain, the Optionee may, at its sole option, either (i) exercise the Option, and in such event, all sums received from the public authority by the Optionor(s) by reason of the taking of a portion of the Leased Premises 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

Site Name: Raywick

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 Leased Premises. In the event any such contamination occurs for which the Optionee becomes legally liable, the Optionor(s) shall indemnify the Optionee against all claims, damages, judgments, penalties and costs and expenses, including reasonable attorneys' fees, which Optionee may incur.
13. This Option Agreement and the rights and obligations of the parties hereto shall be construed in accordance with the laws of the Commonwealth of Kentucky.
14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: 675 J.E. Bickett Road, Raywick, KY 40060; the Optionee's address shall be: P.O Box 5012, Elizabethtown, KY 42702-5012. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.

Site Name: Raywick

15. The parties agree that without the express written consent of the other party, neither party shall reveal, disclose or publish to any third party the terms of this Option Agreement or Lease Agreement or any portion thereof, except to such party's auditor, accountant, lender, attorney or to a government entity if required by regulation, subpoena or government order to do so. Notwithstanding the foregoing, either party may disclose the terms of this Option Agreement or Lease Agreement to any of its affiliated entities, and Optionee may disclose the terms of this Option Agreement or Lease Agreement to any of its lenders or creditors or to third parties that are potential lessees or licensees of space at the Leased Premises as may be reasonably necessary with respect to the operation, leasing, licensing and marketing of the Leased Premises.
16. 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

17. In the event the Optionee elects to exercise the Option to lease the Leased Premises, the terms of the Lease Agreement ("Lease Agreement" or "Lease") shall become immediately effective upon such exercise and shall be as follows.
 - a. 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

Site Name: Raywick

providing written notice at least sixty (60) days prior to the expiration of the original or any renewal Lease term, elect to unilaterally terminate this Lease at the end of any original or renewal Lease term. Such notice must be personally delivered or sent via registered or certified mail, return receipt requested, to the address of the Optioner(s) set forth in Paragraph 14 hereof. The Lease amount shall be adjusted at the end of each term by an increase of 12%.

- b. The Optionee shall pay to the Optionor(s) rent for the Leased Premises in the sum of Six Thousand Dollars and Zero Cents (\$6,000.00) 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).
- c. The Optionee shall be entitled to use and occupy the Leased Premises for the purpose of erecting, maintaining and operating a communications tower ("Tower") and communications facilities ("Facilities") thereon and for all such other uses as Optionee may, in its sole discretion, deem necessary in connection therewith.
- d. The Optionor(s) hereby grants Optionee easements on, under and across the Property for ingress, egress, utilities and access (including access for the purposes described in Paragraph 2) to the Leased Premises adequate to install and maintain utilities, including, but not limited to, the installation of power and telephone service cable, and to service the Leased Premises and the Tower and Facilities at all times during the Initial Term of the Lease and any Renewal Term ("Easement"). The Easements provided hereunder shall have the same term as this Lease.

Site Name: Raywick

- e. In the event the Property is encumbered by a mortgage or deed of trust, Optionor(s) agrees, upon request of Optionee, to obtain and furnish to Optionee a non-disturbance and attornment agreement for each such mortgage or deed of trust.
- f. 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. In the event Optionor(s) fails to pay, when due, real estate taxes assessed against the Property ("Delinquent Taxes"), Optionee shall have the right, but not the obligation, to pay said Delinquent Taxes on Optionor(s) behalf and withhold such amount from future rental payments described in Paragraph 17(b) above. Optionee's election to pay any Delinquent Taxes in no way binds or obligates Optionee to continue to pay any such Delinquent Taxes thereafter. The responsibility to pay all real estate taxes assessed against the Property remains with Optionor(s). The Optionee shall pay all charges for heat, water, gas, electricity, sewer use charges and any other utility used or consumed on the Leased Premises. 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 of the Optionee located on the Leased Premises.
- g. The Optionee may assign the lease. The Optionee may sublet all or part of the space on the tower or ground space.
- h. 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

Site Name: Raywick

peacefully and quietly enjoy the Leased Premises subject to the terms and conditions set forth in the Lease.

i. The Optionee agrees to maintain an access road in a passable manner for the term of the lease.

j. 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 Facilities. 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.

18. 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.
19. 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 Leased Premises regardless of whether or not such property may be considered a fixture thereto.

Site Name: Raywick

20. Upon abandonment of the property, Optionee shall have thirty (30) days to dismantle and remove the Tower and any/all equipment located on Optionor's property.
21. Before any interest in Optionor(s)' interest in the Property or Lease, or any part thereof, whether separately or in connection with other property owned by the Optionor(s), is sold, assigned or transferred in any manner whatsoever (with or without consideration), the Optionee shall have a right of first refusal to acquire whatever interest in the Property or Lease that the Optionor(s) proposes to transfer (the "Proposed Transfer"), on the terms and conditions set forth in this Paragraph 21 (the "Right of First Refusal").
 - a. Optionor(s) shall deliver to the Optionee a written notice (the "Notice") stating (i) the name of the proposed purchaser or transferee and the material terms and conditions of the Proposed Transfer, together with a complete copy of any written offer made to the Optionor(s) to acquire any interest in the Property ("Offer").
 - b. At any time within thirty (30) days after receipt of the Notice, the Optionee may, by giving written notice to the Optionor (s) ("Optionee's Notice"), elect to exercise its Right of First Refusal and acquire the interest in the Property or Lease proposed to be transferred pursuant to the Proposed Transfer at the purchase price and on the same terms and conditions as are contained in the Offer. If the Offer includes consideration other than cash, the cash equivalent value of the non-cash consideration shall be determined by the Optionee in good faith. In the event, Optionee exercises its right to acquire the interest in the Property or Lease, the Optioner(s) shall convey, assign and/or transfer said interest to Optionee free

Site Name: Raywick

and clear of all liens and encumbrances whatsoever (other than this Lease, which Lease shall remain in effect). All taxes, rents and other assessments applicable to the transferred interest, if any, shall be prorated to the date of closing. The Closing shall occur within thirty (30) days from the date of Optionee's Notice.

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

[Remainder of Page Intentionally Left Blank]

EXECUTION OF AGREEMENT(S)

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

Print Name: Robert Lynn Bickell

Sign: [Signature]

Date: 1/30/2018

("Optionor(s)")

Property Owner(s)

Sign: [Signature]

Date: 1-31-18

("Optionee")

By: Doug Updegraff
Authorized Representative

COMMONWEALTH OF KENTUCKY

COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 30th day of January, 2018, by Robert Wayne Bickett to be his/her free act and deed.



NOTARY PUBLIC STATE AT LARGE

My commission expires: May 2, 2018

STATE OF KENTUCKY

COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 30th day of January, 2018, by Doug Updegraff, as Authorized Representative on behalf of Kentucky RSA #4 Cellular General Partnership, to be his free act and deed.



NOTARY PUBLIC STATE AT LARGE

My commission expires: May 2, 2018

This instrument prepared by:



John R. Rhorer, Jr.

DINSMORE & SHOHL LLP


250 West Main Street, Suite 1400

Lexington, KY 40507

(859) 425-1000

EXHIBIT 'A'

Marion County, Kentucky

Lease Tract 
0.230 Acres or 10,000 Sq.Ft.
(NO ZONING IN MARION COUNTY)

P.O.B. of Lease Tract
and Easement

Proposed Monopole Tower

P.O.C

Lease Boundary and Easement Description

A TRACT OF LAND THAT IS LOCATED AT 693 J E BOKETT ROAD AND LIES 4,100 FEET SOUTHEASTERLY OF ST. FRANCIS XAVIER CATHOLIC CHURCH IN RAYMOND, MARION COUNTY, KENTUCKY; SAID TRACT BEING DESCRIBED AS FOLLOWS:

CHALLENGING AT 12:00H REAR FOUND FLUSH AT THE WEST CORNER OF THE
DEED BOOK 227, PAGE 6-17 IN THE OFFICE OF THE COUNTY CLERK OF MARSHALL COUNTY,
MISSISSIPPI. THE DEED DESCRIBES A TRACT OF LAND BEING 1/4 SECTION 36, TOWNSHIP 10 NORTH AND A LONGITUDE OF 95 DEGREES 34 MINUTES 56.72 SECONDS
WEST; THENCE NORTH 75 DEGREES 48 MINUTES 13 SECONDS WEST 897.15 FEET TO A
BEAR SET FLUSH; THENCE SOUTH 75 DEGREES 48 MINUTES 13 SECONDS WEST 897.15 FEET
TO A BEAR SET FLUSH; THENCE IN THE REAR CORNER OF THIS DEED CORPLOT AT THE
NORTH CORNER OF THE DEED DESCRIBED IN DEED BOOK 227, PAGE 6-17, BEING 1/4
SECTION WEST 100.00 FEET TO A BEAR SET FLUSH; THENCE NORTH 9.6 DEGREES
EAST 100.00 FEET TO A BEAR SET FLUSH; THENCE SOUTH 9.6 DEGREES WEST 100.00
FEET TO A BEAR SET FLUSH; THENCE SOUTH 84 DEGREES 00 MINUTES EAST 100.00 FEET TO A BEAR SET FLUSH;
THENCE SOUTH 9.6 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET TO THE POINT
OF BEGINNING. THE DEED ALSO DESCRIBES A TRACT OF LAND BEING 1/4 SECTION 36,

TOGETHER WITH AN O-DOT FIVE INCHES, WEIGHT AGGREGATE AND UTILITIES EASEMENT FROM THE ABOVE-DESCRIBED 0.230-ACRE LEASE TRACT TO J E BRINKET ROAD; SAID EASEMENT BEING DISCLOSED AS FOLLOWS: BEGINNING AT A 5/8-INCH REBAR SET FLUSH WITH A SURVEY GAB INHOWNED "D.L. HELMS PLS 3386" AT THE EAST CORNER OF THE ABOVE-DESCRIBED 0.230-ACRE LEASE TRACT; THENCE SOUTH 54 DEGREES 00 MINUTES 00 SECONDS EAST 20.00 FEET; THENCE SOUTH 36 DEGREES 00 MINUTES 00 SECONDS WEST 40.00 FEET; THENCE SOUTH 54 DEGREES 00 MINUTES 00 SECONDS EAST 69.54 FEET; THENCE SOUTHEASTERLY 44.10 FEET ALONG AN AGO TO THE RIGHT AND HAVING A

SOUTH 42 DEGREES 30 MINUTES 52 SECONDS EAST AND A LENGTH OF 43.81 FEET; THENCE SOUTH 31 DEGREE 01 MINUTE 44 SECONDS EAST 1,063.25 FEET; THENCE SOUTHEASTERLY 51.07 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF 30.00 FEET AND SURTENDED BY A LONG CHORD HAVING A BEARING OF SOUTH 79 DEGREES 47 MINUTES 57 SECONDS EAST AND A LENGTH OF 48.13 FEET; THENCE NORTH 51 DEGREE 36 MINUTES 56 SECONDS EAST 1,140.00 FEET; THENCE NORTH 36 MINUTE 34 SECONDS EAST 108.51 FEET; THENCE NORTHEASTERLY 49.63 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 85.00 FEET AND SURTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 65 DEGREE 19 MINUTES 55 SECONDS

SECTION 17 BEARING NORTH 72° 30' 00" WEST 72.5 FEET; THENCE NORTH 72° 30' 00" WEST 17.5 FEET TO EAST 31.80 FEET; THENCE NORTH 72° 30' 00" WEST 17.5 FEET; THENCE NORTH 72° 30' 00" WEST TO THE LEFT HAVING A RADIUS OF 90.00 FEET AND SURTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 73 DEGREES 05 MINUTES 04 SECONDS EAST AND A LENGTH OF 28.07 FEET; THENCE NORTH 64 DEGREES 06 MINUTES 52 SECONDS EAST 170.36 FEET; THENCE NORTHEASTERLY 43.64 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF 90.00 FEET AND SURTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 50 DEGREES 13 MINUTES 29 SECONDS EAST AND A LENGTH OF 43.31 FEET; THENCE NORTH 36 DEGREES 20 MINUTES 04 SECONDS EAST 48.64 FEET; THENCE NORTHEASTERLY

SUBTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 45 DEGREES 05 MINUTES 36 SECONDS EAST AND A LENGTH OF 79.78 FEET; THENCE NORTH 53 DEGREES 59 MINUTES 05 SECONDS EAST 425.61 FEET TO THE WESTERN RIGHT OF WAY OF J C SIKKETT ROAD 116 FEET FROM THE CENTER OF THE ROAD; THENCE, ALSO, SADD WESTERN RIGHT OF WAY, SOUTHWESTERLY 28.71 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 60.00 FEET AND AN ARC LENGTH OF 1.40 FEET; THENCE, ALSO, SOUTHWESTERLY 09 DEGREES 17 MINUTES 59 SECONDS WEST AND A LENGTH OF 38.44 FEET; THENCE SOUTH 53 DEGREES 59 MINUTES 05 SECONDS WEST 405.39 FEET; THENCE SOUTHWESTERLY 73.93 FEET ALONG AN ARC TO THE LEFT AND HAVING A RADIUS OF

DEGREE 09 MINUTE 36 SECOND SOUTH CHORD 16.50 FEET; BEARING OF SOUTH 36 DEGREE 09 MINUTE 36 SECOND WEST AND A LENGTH OF 6.281 FEET; THENCE SOUTH 36 DEGREE 09 MINUTE 36 SECOND WEST 17.00 FEET; THENCE SOUTHWESTERLY 34.44 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 110.00 FEET AND SUBTENDED BY A CHORD HAVING A BEARING OF SOUTH 50 DEGREE 13 MINUTE 29 SECOND WEST AND A LENGTH OF 62.81 FEET; THENCE SOUTH 64 DEGREE 06 MINUTE 52 SECOND WEST 170.36 FEET; THENCE SOUTHWESTERLY 34.44 FEET ALONG AN ARC TO THE RIGHT AND HAVING A RADIUS OF 110.00 FEET AND SUBTENDED BY A CHORD HAVING A BEARING OF SOUTH 73 DEGREE 05 MINUTE 04 SECOND WEST

WEST 31.50 FEET THENCE SOUTHWESTERLY 37.94 FEET ALONG AN AND TO THE LEFT
A RADIUS OF 65.00 FEET AND SUBTENDED BY A LONG CHORD HAVING A BEARING
OF SOUTH 65 DEGREES 19 MINUTES 55 SECONDS WEST AND A LENGTH OF 37.41 FEET;
THENCE SOUTH 48 DEGREES 36 MINUTES 34 SECONDS WEST 109.00 FEET; THENCE
SOUTH 81 DEGREE 36 MINUTE 34 SECOND WEST 171.66 FEET; THENCE NORTH 3
DEGREES 01 MINUTE 01 SECOND EAST 110.00 FEET; THENCE NORTH 35 DEGREES
36.08 FEET ALONG AN AND TO THE LEFT AND HAVING A RADIUS OF 90.00 FEET AND
SUBTENDED BY A LONG CHORD HAVING A BEARING OF NORTH 43 DEGREES 30 MINUTE
55 SECONDS WEST AND A LENGTH OF 35.84 FEET; THENCE NORTH 54 DEGREES 00

THE BEARING SYSTEM OF THIS DESCRIPTION IS BASED UPON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011), AS DETERMINED BY G.P.S. OBSERVATIONS MADE ON APRIL 17, 2016 USING THE KENTUCKY TRANSPORTATION

THIS DESCRIPTION IS BASED UPON A SURVEY COMPLETED BY LANDMARK SURVEYING CO.,
INC. AND CERTIFIED BY DARRIN L. HELMS, P.L.S. 3356, ON MAY 7, 2018.

SOURCE OF TITLE: BEING A PORTION OF AND LYING ENTIRELY WITHIN THE LAND
DESCRIBED IN DEED TO ROBERT WATSON DATED 9-JUNE-19, 2016 IN DEED BOOK 313,
PAGE 100 IN THE OFFICE OF THE COUNTY CLERK OF MARION COUNTY, KENTUCKY.

Surveyor's Notes

1. ANY ENCUMBRANCES AND LANDOWNER INFORMATION SHOWN HEREON, REGARDING THE SUBJECT TRACT, ARE BASED UPON A TITLE SEARCH COMPLETED BY ABSTRACT & TITLES, INC. OF LOUISVILLE, KENTUCKY, DATED MARCH 14, 2018. EXAM NO. 232218.

2. NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE PARENT TRACT.

3. THE UTILITIES SHOWN ON THIS 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

4. THE TOPOGRAPHIC INFORMATION CONTAINED ON THIS PLAN WAS AS REQUESTED BY THE CLIENT AND MAY OR MAY NOT REPRESENT ALL OF THE TOPOGRAPHIC FEATURES LOCATED ON THE SUBJECT PROPERTY.

JUDGE EXECUTIVE, 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.

6. THE PROPOSED LOCATION OF THE RAYWICK TOWER SITE WILL BE LOCATED OUTSIDE OF AN INCORPORATED CITY.

7. THE COUNTY ROAD RIGHT OF WAY WAS DETERMINED FROM USE AND PER ORDINANCE (15' MINIMUM FROM CENTER OF PAVEMENT). THE MINIMUM RIGHT OF WAY WIDTH WAS VERIFIED BY CONTACTING THE MARION COUNTY JUDGE EXECUTIVE'S OFFICE.

I HEREBY CERTIFY THAT THIS PLAT HAS BEEN COMPILED FROM A SURVEY ACTUALLY MADE UPON THE GROUND UNDER MY DIRECT SUPERVISION ON APRIL 17, 2017 BY THE METHOD OF REAL TIME KINEMATIC GPS SURVEY AND A RANDOM TRAVERSE WITH SIDESHOTS. THE RELATIVE POSITIONAL ACCURACY OF ANY POINT ON THIS SURVEY IS BETTER THAN ± 0.10 FEET + 200 PPM. THIS PLAT REPRESENTS A RURAL BOUNDARY SURVEY AND COMPLIES WITH THE REQUIREMENTS OF 201 KAR 18-150.

Darren L. Helms
DARREN L. HELMS, P.L.S. 3386
May 7, 2018

DATE 11/1/81

LANDMARK SURVEYING CO., INC.
15 N.E. 3RD STREET
WASHINGTON, INDIANA 47501
(317) 257-0950
WEBSITE: LANDMARKSURVEYINGCO.COM

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10

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REVISIONS	DATE

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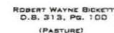
SHEET No.

1

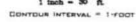
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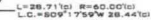
Marion County, Kentucky



Marion County, Kentucky



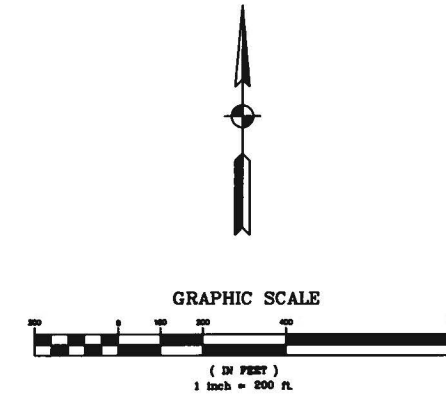
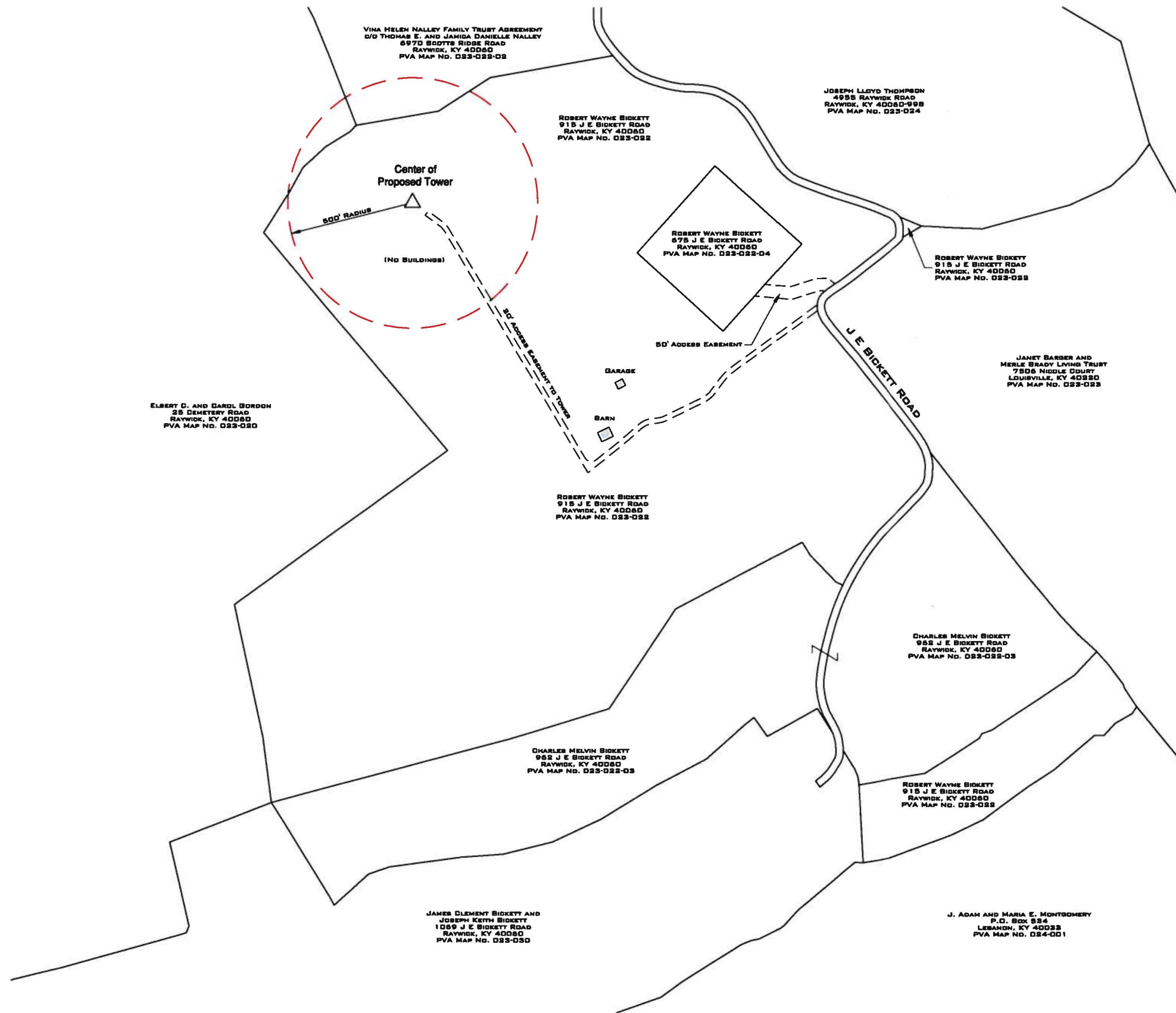
- 5/8" REBAR, 24" IN LENGTH, SET
 WITHIN A SURVEY CAP INCRIBED
 TO HELIX PILE 33RD
 ○ 5/8" REBAR SET FLUSH - NO SURVEY CAP
 X 1/2" REBAR FOUND BURIED 2"
 CALCULATED LOCATION
 — LEASE BOUNDARY
 — RIGHT OF WAY
 - - - COMMINGLED COURSE
 — NEW EASEMENT BOUNDARY
 - - - EXISTING EASEMENT BOUNDARY
 — OTHER BOUNDARIES
 X—X—X WIRE FENCE
 ○—○ WOODEN FENCE
 ○—○ CONTIGUOUS
 - - - - - UTILITY POLE
 - - - - - UTILITY AS NOTED
 (a) CALCULATED COURSE
 (c) STAGGED COURSE



SHEET No.
3
of 3 SHEETS
FILE NAME
raywicki.dwg

SITE: RAYWICK

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 INFORMATION ON FILE IN THE OFFICE OF THE PROPERTY VALUATION ADMINISTRATOR AND COUNTY CLERK 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 AND COUNTY CLERK OF MARION COUNTY, KENTUCKY ON APRIL 16, 2018.

Darren L. Helms
DARREN L. HELMS, P.L.S. 3386
MAY 7, 2018
DATE



LANDMARK SURVEYING CO., INC.

15 N.E. 380 STREET
WASHINGTON, INDIANA 47501
(812) 357-0930
Website: landmarksurveyco.com
Project No. 18-02-0115
© 2018

500-Foot Radius Map

693 J E Bickett Road

Raywick, Kentucky 40060

Bluegrass Cellular

2902 Ring Road

Elizabethtown, KY 42701

REVISIONS	DATE

DATE May 7, 2018

DRAWN BY J. Helms

CHECKED BY D. L. Helms

SHEET No.

1

of 1 SHEETS

FILE NAME

raywickradius.dwg

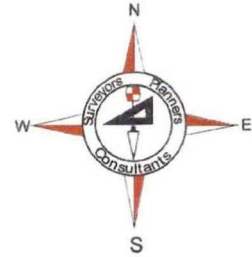
LANDMARK SURVEYING CO., INC.

15 N.E. 3RD STREET • WASHINGTON, INDIANA 47501

PHONE: 812.257.0950 • WEBSITE: WWW.LANDMARKSURVEYINGCO.COM

DARREN L. HELMS, P.S., PRESIDENT

DENNIS N. HELMS, P.S., CPESC, VICE-PRESIDENT



Landowner and Adjacent Landowner List

Raywick Site

Elbert C. and Carol Gordon
25 Cemetery Road
Raywick, KY 40060

Robert Wayne Bickett
915 J E Bickett Road
Raywick, KY 40060

Janet Barger and Merle Brady
Living Trust
7506 Nicole Court
Louisville, KY 40220

Joseph Lloyd Thompson
4955 Raywick Road
Raywick, KY 40060-998


Charles Melvin Bickett
962 J E Bickett Road
Raywick, KY 40060

Vina Helen Nalley Family
Trust Agreement
c/o Thomas E. and Jamica
Danielle Nalley
6970 Scotts Ridge Road
Raywick, KY 40060

Robert Wayne Bickett
675 J E Bickett Road
Raywick, KY 40060

J. Adam and Maria E. Montgomery
P.O. Box 534
Lebanon, KY 40033

James Clement Bickett and
Joseph Keith Bickett
1069 J E Bickett Road
Raywick, KY 40060


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

MAY 7, 2018
Date



May 14, 2018

Elbert C. and Carol Gordon
25 Cemetery Road
Raywick, Kentucky 40060

Public Notice

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

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

Please refer to Case Number 2018-00152 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 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:

Elbert C. & Carol Gordon
25 Cemetery Road
Raywick, KY 40060

2. Article Number

(Transfer from service label)

7015 1520 0000 8070 6424

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Carol Gordon☐ Agent☐ Addressee

B. Received by (Printed Name)

CAROL GORDON

C. Date of Delivery

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

3. Service Type

☒ Certified Mail® ☐ Priority Mail Express™☐ Registered ☒ Return Receipt for Merchandise☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

May 14, 2018

Robert Wayne Bickett
915 J E Bickett Road
Raywick, Kentucky 40060

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Robert Wayne Bickett
675 JE Bicket Rd.
Ray W. CK, KY 40060

2. Article Number
(Transfer from service label)

7015 1520 0000 8070 6363

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- ☐ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

May 14, 2018

Janet Barger and Merle Brady Living Trust
7506 Nicole Court
Louisville, Kentucky 40220

Public Notice

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1. Article Addressed to:

Janet Barger & Merle Brady
Living Trust
7506 Nicole Court
Louisville, KY 40220

2. Article Number

(Transfer from service label)

7015 1520 0000 8070 6400

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Janet Barger* ☐ Agent ☒ Addressee

B. Received by (Printed Name)

Janet Barger

C. Date of Delivery

5-22-18

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

3. Service Type

- ☒ Certified Mail® ☐ Priority Mail Express™
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4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

May 14, 2018

Joseph Lloyd Thompson
4955 Raywick Road
Raywick, Kentucky 40060-998

Public Notice

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Joseph Lloyd Thompson
4955 Raywick Road
Raywick, KY 40060-998

2. Article Number
(Transfer from service label)

7015 1520 0000 8070 6394

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Joseph L. Thompson* ☐ Agent
☐ Addressee

B. Received by (Printed Name)

Joseph L. Thompson

C. Date of Delivery

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

3. Service Type

- ☒ Certified Mail® ☐ Priority Mail Express™
☒ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

May 14, 2018

Charles Melvin Bickett
962 J E Bickett Road
Raywick, Kentucky 40060

Public Notice

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Charles Melvin Bickett
962 SE Bickett Rd.
Ray Wick, KY 40060

2. Article Number

(Transfer from service label)

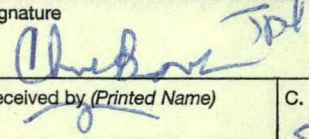
7015 1520 0000 8070 6387

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

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4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

May 14, 2018

Vina Helen Nalley Family Trust Agreement
c/o Thomas E. and Jamica Danielle Nalley
6970 Scotts Ridge Road
Raywick, Kentucky 40060

Public Notice

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Vina Helen Nalley Family
Trust Agreement
c/o Thomas E. + Janica Danielle Nalley
6870 Scotts Ridge Road
Raywick, KY 40060

2. Article Number

(Transfer from service label)

7015 1520 0000 8070 6370

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Thomas E. Nalley

☐ Agent☐ Addressee

B. Received by (Printed Name)

Thomas E. Nalley

C. Date of Delivery

5-25-18

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

3. Service Type

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4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

May 14, 2018

Robert Wayne Bickett
675 J E Bickett Road
Raywick, Kentucky 40060

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1. Article Addressed to:

Robert Wayne Bickett
915 J E Bickett Road
Raywick, KY 40060

2. Article Number
(Transfer from service label)

7015 1520 0000 8070 6417

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

R. W. Bickett

☐ Agent☐ Addressee

B. Received by (Printed Name)

R. W. Bickett

C. Date of Delivery

8/23

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

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Priority Mail Express™ |
| <input type="checkbox"/> Registered | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Insured Mail | <input type="checkbox"/> Collect on Delivery |

4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

May 14, 2018

James Clement Bickett and
Joseph Keith Bickett
1069 J E Bickett Road
Raywick, Kentucky 40060

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1. Article Addressed to:

James Clement Bickett &
Joseph Keith Bickett
1069 J E Bickett Rd.
Raywick, KY 40060

2. Article Number

(Transfer from service label)

7015 1520 0000 8070 6356

PS Form 3811, July 2013

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail® ☐ Priority Mail Express™☐ Registered ☒ Return Receipt for Merchandise☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

May 14, 2018

J. Adam and Maria E. Montgomery
P.O. Box 534
Lebanon, Kentucky 40033

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ALERT: AS OF APRIL 30, USPS.COM NO LONGER SUPPORTS OUTDATED BROWSERS. TO CO...

USPS Tracking®FAQs > (<http://faq.usps.com/?articleId=220900>)**Track Another Package +****Tracking Number:** 70151520000080706332

Remove X

Your item was delivered at 2:49 pm on June 5, 2018 in LEBANON, KY 40033.

✓ DeliveredJune 5, 2018 at 2:49 pm
Delivered
LEBANON, KY 40033

Get Updates ∨

Text & Email Updates

Tracking History

Product Information

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent by <u>J. Adam & Maria E. Montgomery</u>	
Street and Apt. No., or PO Box No.	
City, State, ZIP+4®	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

See Less ^

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Go to our FAQs section to find answers to your tracking questions.

FAQs (<http://faq.usps.com/?articleId=220900>)

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***NOTE:** Black and white (grayscale) images show the outside, front of letter-sized envelopes and mailpieces that are processed through USPS automated equipment.



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

May 14, 2018

Via Certified Mail

Honorable David R. Daugherty
Marion County Judge Executive
223 North Spalding Avenue, # 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 new cellular facility to be located at 693 J E Bickett Road, Raywick, Marion County, Kentucky, 40060, before the Public Service Commission of the Commonwealth of Kentucky, Case No. 2018-00152

Judge Daugherty:

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 construct and operate a new cellular facility to provide cellular telephone service. This facility will include a 240 foot tower and an equipment shelter to be located at 693 J E Bickett Road, Marion County, 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 No. 2018-00152 in your correspondence.

Very Truly Yours,

DINSMORE & SHOHL LLP

Kerry W. Ingle
Paralegal

Enclosure

Legal Counsel.

DINSMORE & SHOHL LLP

101 South Fifth Street ^ Suite 2500 ^ Louisville, KY 40202
www.dinsmore.com

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT**
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)

\$

☐ Return Receipt (electronic)

\$

☐ Certified Mail Restricted Delivery

\$

☐ Adult Signature Required

\$

☐ Adult Signature Restricted Delivery

\$

Postage

\$

Total Postage and Fees

\$

Sent To

Marion CJE

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

Postmark
Here

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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. David R. Daugherty
Marion County Judge Executive
223 N. Spalding Ave., #201
Lebanon, KY 40033

2. Article Number
(Transfer from serv

7015 1520 0000 8070 6349

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Chelsa Craig
Chelsa Craig

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

☒ Certified Mail®☐ Priority Mail Express™☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes



BICKETT

PUBLIC NOTICE
Notice to all
TOWER
Case #2018-0012

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
2902 Ring Road
Elizabethtown, KY 42701

or
Executive Director,
The Public Service Commission
271 Lower Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to P.S.C.
Case #2018-00152
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 5812
2902 Ring Road
Elizabethtown, KY 42701

or

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

Please refer to P.S.C.
Case #2018-00152
in your correspondence.

PUBLIC NOTICE

Notifying RIA with Council
of the Public Notice process
of the proposed project
and the public notice process

TOWER

Public Notice of the proposed
project and the public notice process

Public Notice of the proposed
project and the public notice process

Public Notice of the proposed
project and the public notice process

Public Notice of the proposed
project and the public notice process

Public Notice of the proposed
project and the public notice process

The Lebanon Enterprise

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

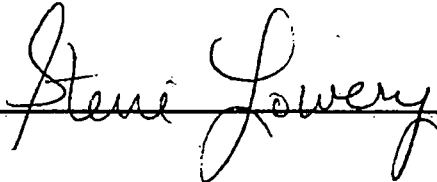
Phone: (270) 692-6026 • FAX: (270) 692-2118

Advertising/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.

Stevie Lowery of Lebanon, Kentucky, being first duly sworn, says that *she* is *Publisher* 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 May 23 and May 30, 2018.



Stevie Lowery

Subscribed and sworn to before me, a Notary Public within and for the State and County aforesaid, by Stevie Lowery to me personally known, this 30th day of May 2018. My commission expires the 11th day of February, 2021.



Eva Jo Watson-Nugent
Notary Public, State At Large 570155

95 Employment

SEEKING SECRETARY

First Shift 8 a.m.-5 p.m.
PAID VACATION AND
OVERTIME OPPORTUNITIES.
Must have experience with computers.
Experience with QuickBooks &
Microsoft Office preferred but not required.
Send resumes to:
Job
1195 S. Proctor Knott Avenue
Lebanon KY 40033
Equal Opportunity Employer

HEC Mfg. is a fabricator of steel returnable containers and structural steel.
HEC has various openings:
GROUP LEADER, MAINTENANCE, STRUCTURAL STEEL FABRICATORS, PLASMA/ROBOTICS PROGRAMMERS, MATERIAL HANDLERS AND VARIOUS OTHER OPENINGS
Anyone seeking a new opportunity in a growing business please apply at:
HEC Mfg.
222 West John Brown Blvd
Bardonia, NY 10904
Or email a resume to hec@bardonia.com
All are FULL-TIME DAY SHIFT POSITIONS.

EXECUTIVE DIRECTOR

The Lincoln Trail Area Development District (LTADD), a multi-jurisdictional, planning and development agency located in the heart of Kentucky, is currently seeking applicants for the position of Executive Director.

The candidate should have a Bachelor's degree in planning or related field with a Master's degree preferred. In addition, the candidate should also have a minimum of 5 years experience in public administration, planning, economic development or related fields. Candidates must have administrative and supervisory abilities and demonstrate diplomacy and sound judgment. Candidates must have knowledge of the physical, economic and social aspects of the counties in the LTADD.
The position requires the ability to meet, primarily with state government and 14 other Area Development Districts, frequent travel and attendance at after hour meetings will occur. This position may require a criminal background check.
Send cover letter, resume with three references and salary history via email to executive@ltadd.com or by mail to Judge Executive, Lincoln Trail Area, P.O. Box 222, Henderson, KY 40131.

No phone calls, please.
Deadline to apply is June 15, 2018.
LTADD is a drug free workplace, an EOE, AA, ADA and Title VII employer.

BLUEGRASS
Dairy and Food, Inc.

NOW HIRING FOR ENTRY LEVEL POSITIONS
AT SPRINGFIELD, KY LOCATION

- Starting Pay - \$13.00/hour
 - Night Shift Premium
 - Must be able to lift 50-55 lb. weight
 - Opportunities for Advancement
 - All Job Offers Contingent on Passing Required Drug Test
 - Must Bring Picture to Interview
- Benefits include:**
- Health, Dental Insurance, Vision Discount.
 - Company-paid Life Insurance
 - 401K Plan
 - Monthly Bonus Programs
 - 5 Days paid vacation after First 6 months
 - 10 Day Paid Vacation & 3 Personal Paid Time off after 1 year
 - Paid Holiday
 - Uniforms & shoes provided by the company
 - Family Atmosphere

APPLICATIONS ARE ACCEPTED AT THE PLANT
606 W. MAIN STREET, SPRINGFIELD, KY
EQUAL OPPORTUNITY EMPLOYER

JOB POSTING
Advertising Sales Representative
THE SPRINGFIELD SUN
Springfield, Kentucky

The Springfield Sun in Washington County has an immediate opening for a part-time retail advertising sales representative. This position will be responsible for growing an existing account base and developing new advertising clients for all print and online products. The Springfield Sun is a weekly newspaper publishing on Wednesdays with a circulation of 3,000.

- ESSENTIAL FUNCTIONS:**
- Grow existing account base and develop new advertising clients.
 - Meet individual monthly and annual sales goals.
 - Develop new customer prospects.
 - Assist customers with basic ad layout and design.
 - Develop and make sales presentations.
 - Process advertising to be sure it appears in a timely manner without errors.
 - Listen to customers needs and advise them in effective use of advertising.
 - Maintain knowledge of advertising rates, current circulation and competing media.
 - Assist in collection of aging advertiser account balances.
 - Focus on increasing revenue for all LCN Kentucky products through combo sales.

- QUALIFICATIONS:**
- Proven sales experience with excellent results
 - Strong listening, written and oral communication skills
 - Ability to develop, plan and implement sales presentations
 - Commitment to outstanding customer service
 - Ability to overcome objections and work under considerable amount of pressure meeting deadlines and quotas
 - Self-motivated with good organizational skills
 - Must have reliable transportation, a valid driver's license, automobile insurance with specified coverage amounts, and an acceptable driving record.
 - Ability to work well in a team environment.
 - Must be computer proficient.

Interested persons should apply to:
Jeff Moreland, Publisher
The Springfield Sun
108 Progress Ave., Springfield, KY 40069
publisher@cskn.com
Deadline for application is May 11, 2018.
Equal Opportunity Employer

BUY or SELL
in the CLASSIFIEDS!

95 Employment

MECHANIC
Auto Truck Mechanic, needed for Louisville Auto Shop, 530 South 13th St. Day Shift, pay based on experience. Skills with brakes, suspension, front end alignment. Must have tools, CDL helpful. Starting pay \$15-\$25 per hour depending on experience. Call for details 502-684-2181.

NEW STARTING BASE PAY - 50 pm w/option to make 80 pm for Class A CDL, Flatbed Drivers. Excellent Benefits, Home Weekends. Call 800-648-9915 or www.boydandsons.com

SEEKING FULL TIME LICENSED MASSAGE THERAPIST for established business in Bardonia, great pay, flexible hours and positive work environment. Serious inquiries call 502-460-1343

97 Child Care

IT IS THE PARENTS' JOB TO carefully check the credentials of potential child-care providers. The Lebanon Enterprise does not require child-care providers to present a license when placing advertisements.

99 Caregiver

ALICE FOR MOM. The national leading service offering referral service. Contact our trusted, local experts today! Our service is FREE/obligation. CALL 1-855-670-0186

120 Apartments For Rent

Lebanon Townhomes
IMMEDIATE OPENING!
1 or 2 Bedroom Apartments
NEW RENT PRICES!
CALL FOR DETAILS.

- Kitchen Appliances Furnished
- Private Entrance
- Laundry Facilities On Grounds
- House Included In Rent
- Maintenance Provided
- Local Housing Opportunity For Interview Call: 270-682-6558
- For Leasing Inquiries Only: 1-800-648-6056

Office Hours:
10 a.m. - 4:00 p.m.
Tuesday & Thursday
and by appointment

1+ BEDROOM APARTMENT appliances & water furnished. Pet standards, smoke free environment. References & deposit required. \$550 a month. Call (612) 322-8143 or (270) 402-7800.

1+ BEDROOM APARTMENT Close to hospital & downtown. Lebanon, TN. Pet restrictions. Non-smoking environment. \$500. Deposit, \$500. Check required. Call 859-481-3271.

PLACE YOUR AD!

120 Apartments For Rent

The Lebanon Housing Authority
Public Housing
Section 8
Lincoln View Apts.
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

- *Stove & refrigerator
- *Private entrances
- *Maintenance provided
- *Equal Housing Opportunity

3 Bedroom, 1.5 Bath
Townhouse \$700
Deposit \$700
Behind Pizza Hut. Available now. Call Tony 859-481-6701

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 restriction based on race, color, religion, sex, national origin, handicap, or marital status, or on any other basis prohibited by law.

195 Items Wanted
BECOME A PUBLISHED AUTHOR! Publications sold at all major secular and specialty Christian book stores. CALL Christian Faith Publishing for your FREE author information kit. 1-877-422-5556

200 Situations Wanted
INVENTORS - FREE INFORMATION PAK & K & G. Have your product idea developed affordably by the Research & Development group and presented to manufacturers. 1-844-850-3326 for a Free Idea Starter Guide. Submit your idea for a free consultation.

WERE YOU AN INDUSTRIAL OR CONSTRUCTION TRADESMAN and recently diagnosed with LUNG CANCER? You and your family may be entitled to a SIGNIFICANT CASH AWARD. Call 1-888-526-0966 for your risk-free consultation.

WHEN PUBLIC NOTICES REACH THE PUBLIC, EVERYONE BENEFITS. Some officials want to move notices from newspapers to govt-run websites, where they may not be easily found.

2 OUT OF 3 U.S. adults read a newspaper in print or online each week

Why try to fix something that isn't broken?

Keep Public Notices in Newspapers.

NEWS MEDIA ALLIANCE

www.newsmediaalliance.org

300 Public Notice

NOTICE TO BIDDERS
Sealed bids will be received at City of Lebanon administrative offices until 4:00 p.m., Friday, June 8, 2018 for supplying the City's requirements for the fiscal year July 01, 2018 through June 30, 2019, for GASOLINE, DIESEL FUEL, AND MOTOR OIL. All materials must meet standard Department of Transportation specifications. John O. Thomas, City Administrator, City of Lebanon.

NOTICE TO BIDDERS
Sealed bids will be received at City of Lebanon Administrative offices until 4:00 p.m., Friday, June 8, 2018 for supplying the City's requirements for the fiscal year July 01, 2018 through June 30, 2019, for CLASS 1 BITUMINOUS CONCRETE SURFACE delivered and laid on city streets, and for the same material FCB plant for OGA, Class 1 sand and for #3 and #1 crushed stone, both delivered and FOB plant, and for lack of. All materials must meet standard Department of Transportation specifications. John O. Thomas, City Administrator, City of Lebanon.

LEGAL NOTICE
Pursuant to the requirements of 1980 House Bill 973, the City of Lebanon will hold a PUBLIC HEARING at City Hall at 7:00 p.m. on Monday, June 11, 2018 to receive written and oral comments concerning the proposed uses of the Motor Fuels Tax Funds and Local Government Economic Assistance Fund (Mineral Severance Tax Fund) during the fiscal year ending June 30, 2019. Citizens are invited to comment concerning priority needs for street repair or rebuilding. Estimated funds available for Motor Fuels: \$140,000. Estimated funds available for Mineral Severance Tax: \$5,100. John O. Thomas, City Administrator, CITY OF LEBANON.

SEALED BIDS
The City of Lebanon will accept sealed bids for FY 2018-2019 building materials including but not limited to: rebar, lumber, electrical, roofing, siding, plumbing and insulation until 4:00 p.m. Friday, June 8, 2018. Bids should be sent to the City of Lebanon, ATTN: SEALED BID, P.O. Box 840, Lebanon, KY 40033 or dropped off in sealed envelope marked SEALED BID at City Hall, 240 W. Main Street, Lebanon, KY 40033. Please contact John O. Thompson, Building Inspector for a complete list of bid materials or additional questions at (270) 692-6272.

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 communications service in rural service area #4 of the Commonwealth of Kentucky (Raycock Cell Site). The facility is a 240 tower and an equipment shelter to be located at 660 E. Bickell Road, Raycock, Marion County, 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. 2018-00152 in your correspondence.

PUBLIC NOTICE
Budget hearing regarding proposed use of County Road Aid and Local Government Assistance Funds

A public hearing will be held by Marion County Fiscal Court at the David R. Hourigan Government Center on June 7, 2018 at 4:00 PM for the purpose of obtaining citizens comments regarding the possible use of the County Road Aid (CRA) and Local Government Economic Assistance (LGEA) Funds. All interested persons in Marion County are invited to the hearing to submit oral or written comments on possible uses of the CRA and LGEA Funds. Any persons who cannot submit comments, should call the Office of the County Judge/Executive at (270) 692-3451 by 4:30 on June 6th so arrangements can be made to secure their comments.

PUBLIC NOTICE
Sealed bids will be received for supplying the GAS, DIESEL, FUEL, RS-2, RS-3, RS-4 HIGH FLOAT, ROCK, CRUSHED STONE AND BITUMINOUS SURFACE for the needs of Marion County for the period of July 1, 2018 to June 30, 2019. Bid sheets can be obtained at the Marion County Judge/Executive's Office at 223 N. Spaulding Ave., Suite 201, Lebanon, Kentucky and will be received until June 7, 2018 at 4:00 PM at which time the sealed bids will be opened and read during the fiscal court meeting. Marion County specifically reserves the right to reject any and all bids, or to accept the lowest and/or best bid.

David Daugherty
Marion County Judge/Executive

600 Public Notice

A MASTER COMMISSIONER SALE will be held on May 31, 2018 at 9:00 a.m. at the Marion County Judicial Center, 121 N. Spaulding Avenue, Lebanon, Kentucky, 40033 pursuant to a judgment and order of sale entered in the Marion Circuit Court, Division I, Case No. 17-CD-0026 to sell property located at 420 S. Rose Road, Lebanon, Kentucky 40033. Parcel Number LE 01-09-01. At the time of the sale the successful bidder shall either pay full cash or make a deposit of 10% of the purchase price with the balance on credit for 30 days. If the purchase price is not paid in full, the successful bidder shall execute a bond at the time of sale with sufficient surety approved by the master commissioner prior to the sale to secure the unpaid balance of the purchase price. The bond shall bear interest at the rate the judgment bears, from the date of sale until paid, and shall have the force and effect of a judgment. In the event the successful bidder is the plaintiff, then in lieu of the deposit the plaintiff shall be allowed to bid on credit up to the judgment amount. The sale shall be subject to the United States of America, Department of the Treasury-Internal Revenue Service Right of Redemption Under 26 U.S.C. Section 2410. PHILIP S. GEORGE, JR.
MARION CIRCUIT COURT
MASTER COMMISSIONER

A MASTER COMMISSIONER SALE will be held on May 31, 2018 at 9:00 a.m. at the Marion County Judicial Center, 121 N. Spaulding Avenue, Lebanon, Kentucky, 40033 pursuant to a judgment and order of sale entered in the Marion Circuit Court, Division I, Case No. 17-CD-0026 to sell property located at 420 S. Rose Road, Lebanon, Kentucky 40033. Parcel Number LE 01-09-01. At the time of the sale the successful bidder shall either pay full cash or make a deposit of 10% of the purchase price with the balance on credit for 30 days. If the purchase price is not paid in full, the successful bidder shall execute a bond at the time of sale with sufficient surety approved by the master commissioner prior to the sale to secure the unpaid balance of the purchase price. The bond shall bear interest at the rate the judgment bears, from the date of sale until paid, and shall have the force and effect of a judgment. In the event the successful bidder is the plaintiff, then in lieu of the deposit the plaintiff shall be allowed to bid on credit up to the judgment amount. The sale shall be subject to the United States of America, Department of the Treasury-Internal Revenue Service Right of Redemption Under 26 U.S.C. Section 2410. PHILIP S. GEORGE, JR.
MARION CIRCUIT COURT
MASTER COMMISSIONER

NOTICE OF ADOPTION AND SUMMARY OF BOND RESOLUTION
The undersigned, Clerk of the Fiscal Court of the County of Marion, Kentucky, the "issuer", hereby states, pursuant to Section 103.210 of the Kentucky Revised Statutes, that the Fiscal Court adopted a resolution on May 17, 2018, which is entitled:

A RESOLUTION OF THE COUNTY OF MARION, KENTUCKY (THE "ISSUER"), AUTHORIZING THE ISSUANCE OF BONDS IN THE AGGREGATE PRINCIPAL AMOUNT OF \$495,000.00 AND DENOMINATED COUNTY OF MARION, KENTUCKY INDUSTRIAL BUILDING REVENUE BONDS, (MAKERS MARK DISTILLERY, INC. PROJECT), SERIES 2018, (THE "BONDS"), APPROVING AND AUTHORIZING THE EXECUTION AND DELIVERY OF (i) A TRUST INDENTURE (THE "INDENTURE"), BETWEEN THE ISSUER AND U.S. BANK NATIONAL ASSOCIATION, AS TRUSTEE (THE "TRUSTEE") SECURING THE BONDS, (ii) A LEASE AGREEMENT, BY AND BETWEEN THE ISSUER AND MAKERS MARK DISTILLERY, INC. (THE "LESSEE"), (iii) A BOND PURCHASE AGREEMENT, BY AND AMONG THE ISSUER, THE LESSEE AND BEAM SOUTHWORTH INC. (THE "BOND PURCHASER"), (iv) AN IN-LIEU OF TAX PAYMENTS AGREEMENT, BY AND BETWEEN THE ISSUER AND THE LESSEE, (v) A HOME OFFICE PAYMENTS AGREEMENT, BY AND AMONG THE ISSUER, THE TRUSTEE, THE LESSEE AND THE BOND PURCHASER, AND (vi) ANY AND ALL OTHER RELATED DOCUMENTS, AND THE TAKING OF OTHER RELATED ACTION.

II. SUMMARY
This Resolution:

A. Authorizes and approves the execution and delivery of (i) the County of Marion, Kentucky Industrial Building Revenue Bonds (Makers Mark Distillery, Inc. Project), Series 2018 in a maximum principal amount of \$495,000.00 (the "Bonds"), (ii) a Trust Indenture (the "Indenture"), between the issuer and U.S. Bank National Association, as Trustee (the "Trustee") securing the Bonds, (iii) a Lease Agreement, by and between the issuer and Makers Mark Distillery, Inc. (the "Lessee"), (iv) a Bond Purchase Agreement, by and among the issuer, the Lessee and Beam Southworth Inc. (the "Bond Purchaser"), (v) an In-Lieu Of Tax Payments Agreement, by and between the issuer and the Lessee, (vi) a Home Office Payments Agreement, by and among the issuer, the Trustee, the Lessee and the Bond Purchaser, and (vi) any and all other related documents, and the taking of other related action.

B. Provides that (i) the issuer shall never be required to pay from its own funds any obligations deriving from the Bonds, and (ii) declares the Bonds to be a special limited obligation payable solely and only from the collateral pledged to the Trustee pursuant to the Indenture, and

C. Authorizes the County Judge/Executive and other issuer officials to take any other necessary actions to effect the execution and delivery of the Bonds.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the County of Marion, Kentucky as of this 17th day of May, 2018.

/s/ Chad Mattingly
Fiscal Court Clerk

PLACE YOUR SERVICE GUIDE AD!

IN THE CLASSIFIEDS

Buyer reaches seller.

Seller reaches buyer.

CLASSIFIEDS

95 Employment 95 Employment 95 Employment

JOB POSTING Advertising Sales Representative THE SPRINGFIELD SUN Springfield, Kentucky

The Springfield Sun in Washington County has an immediate opening for a part-time retail advertising sales representative. This position will be responsible for growing an existing account base and developing new advertising clients for all print and online products. The Springfield Sun is a weekly newspaper publishing on Wednesdays with a circulation of 3,000.

ESSENTIAL FUNCTIONS:

- Grow existing account base and develop new advertising clients.
- Meet individual monthly and annual sales goals.
- Develop new customer prospects.
- Assist customers with basic ad layout and design.
- Develop and make sales presentations.
- Process advertising to be sure it appears in a timely manner without errors.
- Listen to customers needs and advise them in effective use of advertising.
- Maintain knowledge of advertising rates, current circulation and competing media.
- Assist in collection of aging advertiser account balances.
- Focus on increasing revenue for all LCN Kentucky products through combo sales.

QUALIFICATIONS:

- Proven sales experience with excellent results
- Strong listening, written and oral communication skills
- Ability to develop, plan and implement sales presentations
- Commitment to outstanding customer service
- Ability to overcome objections and work under considerable amount of pressure meeting deadlines and quotas
- Self-motivated with good organizational skills
- Must have reliable transportation, a valid driver's license, automobile insurance with specified coverage amounts, and an acceptable driving record.
- Ability to work well in a team environment.
- Must be computer proficient.

Interested persons should apply to:

Jeff Moreland, Publisher
The Springfield Sun
108 Progress Ave., Springfield, KY 40069
publisher@cskn.com

Deadline for application is JUNE 1, 2018.
Equal Opportunity Employer

HEC Mfg. is a fabricator of steel returnable containers and structural steel.

HEC has various openings:
GROUP LEADERS, MAINTENANCE, STRUCTURAL
STEEL FABRICATORS, PLASMA/ROBOTICS
PROGRAMMERS, MATERIAL HANDLERS
AND VARIOUS OTHER POSITIONS

Anyone seeking a new opportunity
in a growing business please apply at:
HEC Mfg
222 West John Howan Blvd
Bardonia, KY 40004

Or send a resume to hec@bardonia.com
All are FULL-TIME DAY SHIFT POSITIONS.

SEEKING SECRETARY

First Shift 8 a.m.-5 p.m.
PAID VACATION AND
OVERTIME OPPORTUNITIES.
Must have experience with computers.
Experience with QuickBooks &
Microsoft Office preferred but not required.
Send resumes to

Job
119 S. Proctor Knott Avenue
Lebanon KY 40033
Equal Opportunity Employer

PART-TIME
Custodian
Lebanon United
Methodist Church,
236 N. Spalding
Ave
Call 270-692-2761
or email
office@lucmk.org
for more information

SEEKING FULL TIME
LICENSED MASSAGE
THERAPIST for established business in Bardonia, great pay, flexible hours and positive work environment. Serious inquiries call 502-480-1343

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 child care
providers to present a license
when placing advertisements.

99 Caregiver

A PLACE FOR MOM. The
nation's largest senior living
referral service. Contact
our trusted, local experts
today! Our service is
FREE/no obligation. CALL
1-855-670-0186

120 Apartments
For Rent

3 Bedroom, 1.5 Bath
Townhouse \$720
Deposit: \$700 Rent:
Behind Pizza Hut. Available
now. Call Tony
859-481-8701

Lebanon Townhomes

IMMEDIATE OPENING!

1 or 2 Bedroom
Apartments

NEW RENT PRICES!
CALL FOR DETAILS.

- Kitchen Appliances Furnished
- Private Entrances
- Laundry Facilities On Grounds
- Water Included in Rent
- Maintenance Provided
- Equal Housing Opportunity

For Information Call:
270-692-6550
1-800-648-6056
for hearing impaired only

Office Hours:

7:00 a.m. - 4:00 p.m.
Tuesday & Thursday
Equal Housing Opportunity

The
Lebanon
Housing
Authority

*Public Housing

*Section 8

*Lincoln View Apts.

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

*Private entrances

*Maintenance provided

Equal Housing
Opportunity

CASH IN
ON THE CLASSIFIEDS

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, handi-
capped, 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
advertisements 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

200 Situations
Wanted

INVENTORS - FREE
INFORMATION
P A C K A G E
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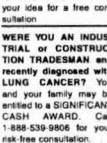
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300 Public
Notice

NOTICE
Kentucky RSA #4 Cellular General Partnership is
applying to the Public Service Commission of Ken-
tucky 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 Ken-
tucky (Raywick Cell Site). The facility is a 240 tower
and an equipment shelter to be located at 693 J E
Brackett Road, Raywick, Marion County, Kentucky,
40060. Your comments and requests for interven-
tion should be addressed to: Executive Director's
Office, Public Service Commission, Post Office Box
415, 211 Sower Boulevard, Frankfort, Kentucky
40602. Please refer to Case No. 2018-00152 in your
correspondence.

See add'l Public Notice page A14

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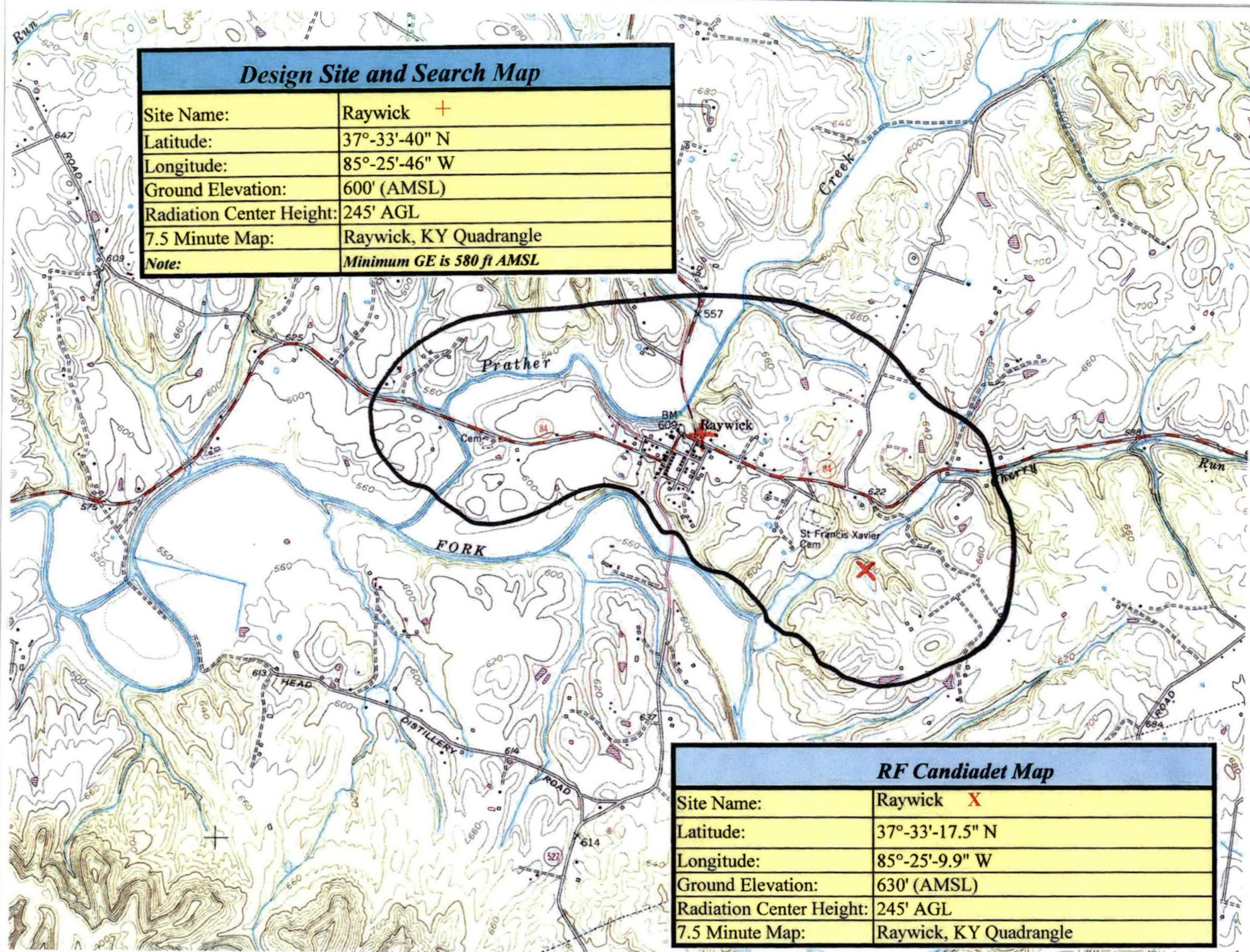
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Design Site and Search Map

Site Name:	Raywick +
Latitude:	37°-33'-40" N
Longitude:	85°-25'-46" W
Ground Elevation:	600' (AMSL)
Radiation Center Height:	245' AGL
7.5 Minute Map:	Raywick, KY Quadrangle
Note:	Minimum GE is 580 ft AMSL



RF Candiadet Map

Site Name:	Raywick X
Latitude:	37°-33'-17.5" N
Longitude:	85°-25'-9.9" W
Ground Elevation:	630' (AMSL)
Radiation Center Height:	245' AGL
7.5 Minute Map:	Raywick, KY Quadrangle

- Marion County Boundary
- ⚡ Constructed Tower Locations Registered with the FCC
- 📶 Proposed Tower Location
- ✚ Tick Marks

37°-42'-00" N ✚
85°-00'-00" W

0 5 10
miles

✚ 37°-25'-00" N
85°-30'-00" W

**Proposed
Raywick Tower**

***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>Latitude</i>	<i>Longitude</i>	<i>Nearest City</i>	<i>State</i>	<i>Tower Owner</i>
1043055	37-31-58.0 N	085-18-59.0 W	Lebanon	KY	KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP DBA = BLUEGRASS CELLULAR
1044801	37-25-25.0 N	085-16-27.0 W	Spurlington	KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS
1052450	37-28-03.0 N	085-20-25.0 W	Finley	KY	P & B TOWERS, LLC
1063302	37-35-12.0 N	085-12-15.0 W	Lebanon	KY	COMMONWELATH BROADCASTING COPRPORATION DBA = CBC
1203419	37-32-36.0 N	085-15-34.0 W	Lebanon	KY	Global Tower, LLC. through American Towers, LLC
1205220	37-31-51.0 N	085-26-45.0 W	Raywick	KY	LS Investments 1, LLC
1234007	37-35-55.0 N	085-14-47.0 W	Lebanon	KY	CBC of Marion Co.
1238634	37-32-10.0 N	085-18-48.0 W	Lebanon	KY	Inter County Energy Cooperative Corporation
1260096	37-37-57.7 N	085-15-51.6 W	Springfield	KY	SBA Towers III LLC
1261393	37-34-40.5 N	085-08-12.5 W	Lebanon	KY	SBA Towers II LLC
1267688	37-35-28.7 N	085-14-56.6 W	Lebanon	KY	SBA Monarch Towers II, LLC
1276116	37-29-39.8 N	085-11-34.3 W	Lebanon	KY	Kentucky RSA 4 Cellular General Partnership



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
ANTENNA STRUCTURE REGISTRATION



OWNER: KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP

FCC Registration Number (FRN): 0001786722

ATTN: Jill Vice KENTUCKY RSA 4 CELLULAR GENERAL PARTNERSHIP PO BOX 5012 ELIZABETHTOWN, KY 42702		Antenna Structure Registration Number
		1307437
		Issue Date
		09-17-2018
Location of Antenna Structure 639 J E Bickett Road Raywick, KY 40060 County: MARION		Ground Elevation (AMSL)
		192.0 meters
		Overall Height Above Ground (AGL)
		76.2 meters
Latitude	Longitude	Overall Height Above Mean Sea Level (AMSL)
37- 33- 17.5 N	085- 25- 09.9 W NAD83	268.2 meters
Center of Array Coordinates		Type of Structure
N/A		LTOWER
		Lattice Tower
FAA Chapters 4, 8, 12		
Paint and Light in Accordance with FAA Circular Number 70/7460-1L		

This registration is effective upon completion of the described antenna structure and notification to the Commission. **YOU MUST NOTIFY THE COMMISSION WITHIN 24 HOURS OF COMPLETION OF CONSTRUCTION OR CANCELLATION OF YOUR PROJECT, please file FCC Form 854.** To file electronically, connect to the antenna structure registration system by pointing your web browser to <http://wireless.fcc.gov/antenna>. Electronic filing is recommended. You may also file manually by submitting a paper copy of FCC Form 854. Use purpose code "NT" for notification of completion of construction; use purpose code "CA" to cancel your registration.

The Antenna Structure Registration is not an authorization to construct radio facilities or transmit radio signals. It is necessary that all radio equipment on this structure be covered by a valid FCC license or construction permit.

You must immediately provide a copy of this Registration to all tenant licensees and permittees sited on the structure described on this Registration (although not required, you may want to use Certified Mail to obtain proof of receipt), and *display* your Registration Number at the site. See reverse for important information about the Commission's Antenna Structure Registration rules.

FCC 854R
June 2012

You must comply with all applicable FCC obstruction marking and lighting requirements, as set forth in Part 17 of the Commission's Rules (47 C.F.R. Part 17). These rules include, but are not limited to:

- **Posting the Registration Number:** The Antenna Structure Registration Number must be displayed in a conspicuous place so that it is readily visible near the base of the antenna structure. Materials used to display the Registration Number must be weather-resistant and of sufficient size to be easily seen at the base of the antenna structure. Exceptions exist for certain historic structures. See 47 C.F.R. 17.4(g)-(h).
- **Inspecting lights and equipment:** The obstruction lighting must be observed at least every 24 hours in order to detect any outages or malfunctions. Lighting equipment, indicators, and associated devices must be inspected at least once every three months.
- **Reporting outages and malfunctions:** When any top steady-burning light or a flashing light (in any position) burns out or malfunctions, the outage must be reported to the nearest FAA Flight Service Station, unless corrected within 30 minutes. The FAA must again be notified when the light is restored. The owner must also maintain a log of these outages and malfunctions.
- **Maintaining assigned painting:** The antenna structure must be repainted as often as necessary to maintain good visibility.
- **Complying with environmental rules:** If you certified that grant of this registration would not have a significant environmental impact, you must nevertheless maintain all pertinent records and be ready to provide documentation supporting this certification and compliance with the rules, in the event that such information is requested by the Commission pursuant to 47 C.F.R. 1.1307(d).
- **Updating information:** The owner must notify the FCC of proposed modifications to this structure; of any change in ownership; or, within 30 days of dismantlement of the structure.

Copies of the Code of Federal Regulations (which contain the FCC's antenna structure registration rules, 47 C.F.R. Part 17) are available from the Government Printing Office (GPO). To purchase CFR volumes, call (202) 512-1800. For GPO Customer Service, call (202) 512-1803. For additional FCC information, consult the Antenna Homepage on the internet at <http://wireless.fcc.gov/antenna> or call (877) 480-3201 (TTY 717-338-2824).