



Holland N. McTyeire, V
Direct (502) 587-3672 Fax (502) 540-2223 E-mail hnm@gdm.com

Via Hand Delivery

April 3, 2007

Beth O'Donnell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40602-0615

RECEIVED

APR 03 2007

PUBLIC SERVICE
COMMISSION

Re: In The Matter Of: Application Of New Cingular Wireless PCS, LLC, For The Issuance Of A Certificate Of Public Convenience And Necessity To Construct A Wireless Communications Facility In Boyd County, Kentucky And Called The Cannonsburg Cell Site, Site #WV302A, Case No. 2007-00123

Dear Ms. O'Donnell:

Pursuant to 807 KAR 5:063 Section 1(1)(a)1., please find the original and five copies of the Application Of New Cingular Wireless PCS, LLC ("New Cingular"), for filing with the Commission in the above-styled matter. The Application of New Cingular Wireless PCS, LLC is subject to the jurisdiction of the Commission because the Cannonsburg Cell Site is located in an unincorporated area of Boyd County, Kentucky.

If you or your staff have any questions regarding this Application, please do not hesitate to contact me.

Sincerely,

Holland N. McTyeire, V

HNM/jh

Enclosures

cc: K. Topping
Wendell S. Roberts

RECEIVED

APR 03 2007

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

APPLICATION OF NEW CINGULAR)
WIRELESS PCS, LLC, FOR THE ISSUANCE)
OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO)
CONSTRUCT A WIRELESS)
COMMUNICATIONS FACILITY IN BOYD)
COUNTY, KENTUCKY AND CALLED THE)
CANNONSBURG CELL SITE, SITE)
#WV302A)

CASE NO. 2007-00123

* * * * *

APPLICATION OF
NEW CINGULAR WIRELESS PCS, LLC
FOR A WIRELESS COMMUNICATIONS FACILITY

Applicant, New Cingular Wireless PSC, LLC ("Cingular"), through counsel, pursuant to KRS 278.020, KRS 278.650, KRS 278.655, 807 KAR 5:063 and the rules and regulations applicable thereto and the Telecommunications Act of 1996, respectfully submits to the Commission its Application For A Certificate Of Public Convenience And Necessity To Construct A Wireless Communications Services Network Facility at 12633 Copley Road, Boyd County, Kentucky 41102 and called the Cannonsburg Cell Site, Site #WV302A. Cingular, in support of its Application, states as follows:

1. Pursuant to 807 KAR 5:001 Section 8(1), the full name of Cingular is New Cingular PCS, LLC. The principal place of business for the Cingular representative responsible for this Application is 12249 Mowery Lehman Road, Logan, Ohio 43138.

2. Any inquiries regarding this Application should be brought to the attention of the following:

K. Topping
Site Development Service Project Manager

AMERICAN TOWER CORPORATION
12249 Mowery Lehman Road
Logan, Ohio 43138
Telephone: (740) 380-2521
Facsimile: (740) 385-1896
E-mail: katheryn.topping@americantower.com

and

Holland N. McTyeire, V

GREENEBAUM DOLL & MCDONALD PLLC
3500 National City Tower
101 South Fifth Street
Louisville, Kentucky 40202
Telephone: (502) 589-4200
Facsimile: (502) 587-3695
E-mail: hnm@gdm.com

3. Cingular is a Delaware Limited Liability Corporation. Pursuant to 807 KAR 5:001 Sections 8(3) and 9(1)(a) and 807 KAR 5:063 Section 1(1)(c), a certified copy of the Articles of Incorporation of Cingular's predecessor in interest, a copy of its Certificate of Authority to do business in Kentucky, and a copy of its FCC license to provide Wireless Communications Services in Kentucky, were provided by Cingular's predecessor in interest to the Commission in Case No. 96-284. These similar materials for Cingular have also previously been provided to the Commission in Case Nos. 2006-00362 and 2006-00384.

4. Pursuant to 807 KAR 5:001 Sections 8(1), 9(1)(d), and 9(2)(a), the Wireless Communications Facility (the "WCF") which Cingular proposes to construct and operate at 12633 Copley Road, Boyd County, Kentucky 41102 and called the Cannonsburg Cell Site, Site # WV302A, within the Huntington/Ashland MSA, is in the public interest because it is needed to

construct and develop a Wireless Communications Service Network in the Huntington/Ashland MSA. This WCF will meet the Wireless Communications Services needs of the community in the Huntington/Ashland MSA. Cingular may install and operate a Temporary WCF, or Cell On Wheels (“COW”), at or near the above Cell Site, during the pendency of this Application.

5. Pursuant to 807 KAR 5:001 Sections 9(1)(b) and (c) and 807 KAR 5:063 Section 1(1)(c), the FCC certified Cingular’s predecessor in interest, as a Wireless Communications Services provider in the Huntington/Ashland MSA. A copy of the FCC licenses of Cingular and its predecessor in interest have previously been provided to the Commission as referred to in Numerical Paragraph 3.

6. One (1) Map to at least the scale required by 807 KAR 5:001 Section 9(2)(d) (preferably not more than two (2) miles per inch) showing the location and construction of the Cannonsburg Cell Site is provided with the original of this Application. The Map provides a Site Development Plan or Survey, signed and sealed by a professional engineer, registered in Kentucky, stating the proposed location of the WCF and all easements and existing structures within 500 feet of the proposed site on the property on which the WCF will be located, which includes all easements and existing structures within 200 feet of the access drive, including the intersection with the public street system as required by 807 KAR 5:063 Section 1(1)(h).

7. The Map referred to in Numerical Paragraph 6 is at least to the scale required by 807 KAR 5:063 Section 1(1)(k) (no less than one (1) inch equals 200 feet) and identifies every structure and every owner of real property within 500 feet of the proposed WCF.

8. Cingular advises the Commission that this Application falls within KRS 278.650 because the Cannonsburg Cell Site is located in an incorporated area of Boyd County, Kentucky which is outside the jurisdiction of any planning commission.

9. Pursuant to 807 KAR 5:063 Section 1(1)(t), Cingular provides a Search Ring Map which demonstrates the area in which the WCF is proposed to be located, that is drawn to scale and that clearly depicts the necessary search area within which a Cell Site should, pursuant to radio frequency requirements, be located. The Search Ring Map prepared by Cingular is attached hereto as Exhibit A.

10. Pursuant to 807 KAR 5:063 Section 1(1)(e), directions from the county seat to the Cannonsburg Cell Site are as follows:

At Courthouse in Catlettsburg, Kentucky, on Louisa Avenue, go South, at 31st Street, street transitions to Oakland Avenue, 0.2 miles to U.S. Route 60, turn right, go West, 0.1 miles to the intersection of U.S. Route 23, turn left, go South on U.S. Route for 1.7 miles, turn right at Interstate 64 merge westbound, go 5.1 miles, exit right at Exit 185, turn left on State Route 180, go North 1.5 miles to the intersection of Route 3294, turn right, go East 0.3 miles to the intersection of Copley Road, turn right, go South 0.3 miles to the top of the hill, turn right on private gravel road up the point to site, 0.1 miles.

The above directions were prepared by the undersigned counsel for Cingular.

11. Pursuant to 807 KAR 5:001 Section 9(2)(c), the WCF will be constructed on a site leased by Cingular and located at 12633 Copley Road, Boyd County, Kentucky 41102. Pursuant to 807 KAR 5:063 Section 1(1)(f), a copy of the Option And Lease Agreement (the "Lease") is attached hereto as Exhibit B. Numerical Paragraph 13 of the Lease provides information regarding removal of the WCF if it should be abandoned.

12. Pursuant to 807 KAR 5:001 Section 9(2)(b) and, 807 KAR 5:063 Section 1(1)(b), Cingular has confirmed that no FAA filing or registration is required for the Cannonsburg Cell Site. A copy of the April 2, 2007 TOWAIR Determination Results is attached hereto as Exhibit C.

13. Pursuant to 807 KAR 5:001 Section 9(2)(b), and 807 KAR 5:063 Section 1(1)(b), Cingular need not file any Application with the Kentucky Airport Zoning Commission

("KAZC") for the Cannonsburg Cell Site because its rules and regulations follow those of the FAA.

14. Pursuant to 807 KAR 5:001 Section 9(2)(g) and KRS 322.340, Cingular provides a Site Plan Map providing a Title Sheet, Site Plan, Site Layout Plan & Elevation View, Slab Detail, Construction Notes, Construction Details, Fence Notes & Details, Electrical Notes & Details, Single Line Diagram & Details, Grounding Details, Grounding Notes and Plan, Antenna Schematic & Details, Coax Color Coding and Lease Map all in support of the proposed Cannonsburg Cell Site. These documents, which are smaller versions of the Maps referred to in Numerical Paragraphs 6 and 7, are attached hereto as Exhibit D.

15. Pursuant to 807 KAR 5:001 Section 9(2)(g) and 807 KAR 5:063 Section 1(1)(d), Cingular submits the Foundation Investigation for the Cannonsburg Cell Site, noting the integrity of the soil on which the proposed tower will be built, a copy of which is attached hereto as Exhibit E. The Foundation Investigation Report includes boring logs and foundation design recommendations. The Maps referred to in Numerical Paragraphs 6 and 7 state that the proposed WCF is not within a flood hazard area.

16. Pursuant to 807 KAR 5:001 Section 9(2)(g) and 807 KAR 5:063 Sections 1(1)(g), (i), and (j), Cingular submits the Specifications for the proposed WCF, a copy of which is attached hereto as Exhibit F. The Specifications for the WCF contain the following:

- a. identity of each person directly responsible for the design and construction of the proposed WCF;
- b. 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; and
- c. 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.

All of the foregoing establish the technical capability and reliability of the WCF to be constructed at the Cannonsburg Cell Site.

17. Pursuant to 807 KAR 5:063 Sections 1(1)(l), (m), (n), and (o), Cingular also submits a copy of the Public Notice Letter that was sent to every person who, according to records of the Property Valuation Administrator, owns property within 500 feet of the proposed WCF, and the Boyd County Judge Executive. The Public Notice Letter advises that Cingular may install, or employ, a COW at or near the Cannonsburg Cell Site during the pendency of this Application. A copy the Public Notice Letter, and a list of all landowners located within 500 feet of the Cannonsburg Cell Site, as well as the Boyd County Judge Executive, is attached hereto as Exhibit G. Cingular sent the Notice Letters, via Certified Mail Return Receipt Requested, to the property owners and the Boyd County Judge Executive reflected on Exhibit G on April 3, 2007.

18. Pursuant to 807 KAR 5:063 Section 1(1)(p), on or before April 9, 2007, Public Notices will be posted in a visible location on the Cannonsburg Cell Site, and on the nearest public road, and shall remain so posted for at least two weeks following the above date. Copies of the Notices posted on the Cannonsburg Cell Site and the nearest public road comply with the following requirements of 807 KAR 5:063 Section 1(2):

- a. The Notices are two (2) feet by four (4) feet.
- b. The Notices advise that Cingular proposes to construct a Telecommunications Tower or Monopole on (near) this site. If you have any questions, please contact Holland N. ("Quint") McTyeire, V, Greenebaum Doll & McDonald PLLC, 3500 National City Tower, 101 South Fifth Street, Louisville, Kentucky 40202, (502) 589-4200, counsel for Cingular, or the Executive Director, Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615. Please refer to Case No. 2007-00123 in your correspondence.
- c. In both Notices, the word "tower" or "monopole" shall be printed in letters at least four (4) inches high.

Copies of the Public Notices posted on a visible location on the Cannonsburg Cell Site, and on the nearest public road, are attached hereto as Exhibit H.

19. Pursuant to 807 KAR 5:063 Section 1(1)(q) and KRS Chapter 424, on April 3, 2007, a Legal Notice was published in *The Daily Independent*, which is a newspaper of general circulation in Boyd County, Kentucky. The Legal Notice advises that Cingular may install, or employ, a COW at or near the above Cell Site during the pendency of this Application. A copy of the Legal Notice is attached hereto as Exhibit I. Pursuant to KRS 424.170, Cingular will provide an Affidavit of Publication when same is received from *The Daily Independent*.

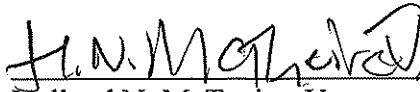
20. Pursuant to 807 KAR 5:063 Section 1(1)(r), the character of the general area in which the proposed WCF will be located may be described as a combination of residences and businesses. The surrounding area is somewhat sparsely populated. The proposed WCF is located on an eight acre tract which is slightly elevated from the surrounding property. In fact, the proposed WCF will be located next to a Masonry Commercial Building. The property on which the WCF will be located has a thick tree line around its perimeter that will serve to shield the view of the WCF from adjoining landowners as reflected on pictures showing various views of the proposed site. Copies of photographs of the proposed site are attached as Exhibit J.

21. Pursuant to 807 KAR 5:063 Section 1(1)(s), Cingular has considered the likely effects of the WCF on nearby land use around the Cannonsburg Cell Site and has concluded that there is no more suitable location. Cingular carefully studied the results of its network coverage objectives and determined that there are no available opportunities for collocation by Cingular in the area because no other WCFs or tall structures are located in the area where the WCF needs to be located, as reflected on the Search Ring Map attached as Exhibit A. In addition, construction

assessments and future expansion requirements made the proposed Cannonsburg Cell Site the optimum location for the proposed WCF.

WHEREFORE, Cingular respectfully requests that the Commission accept the foregoing Application for filing and, having met the requirements of KRS 278.020 and all applicable rules and regulations of the Commission, grant it a Certificate of Public Convenience and Necessity to construct and operate a WCF at the location set forth herein for its Wireless Communications Network in Kentucky.

Respectfully submitted,



Holland N. McTyeire, V

GREENEBAUM DOLL & MCDONALD PLLC
3500 National City Tower
101 South Fifth Street
Louisville, Kentucky 40202
Telephone: (502) 589-4200
Facsimile: (502) 587-3695
E-mail: hnm@gdm.com

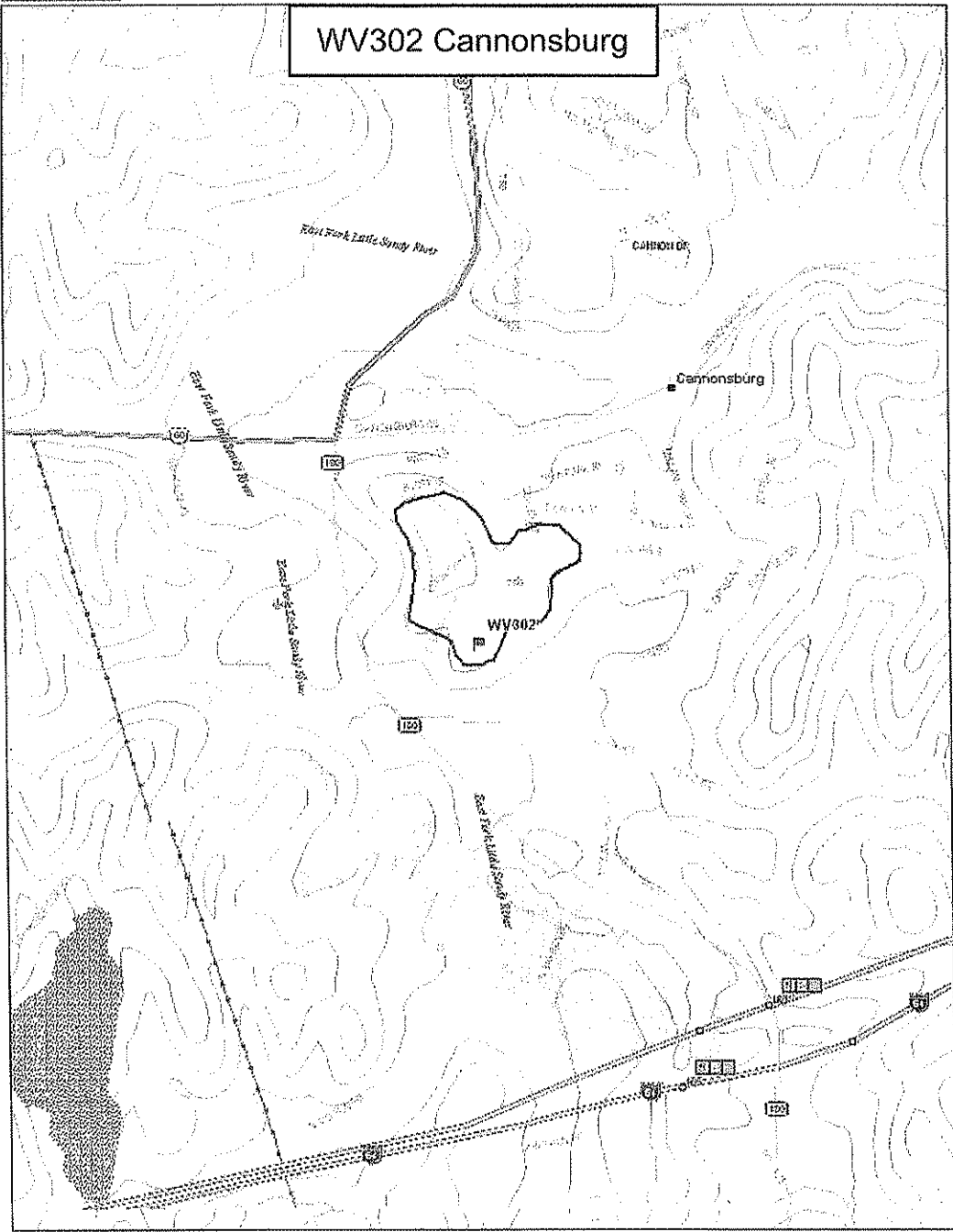
Wendell S. Roberts
Gray, Woods & Cooper
510-16th Street
P.O. Box 70
Ashland, Kentucky 41105
Telephone: (606) 329-2121
Facsimile: (606) 324-0751
Email: wroberts@inicity.net

COUNSEL FOR APPLICANT,
NEW CINGULAR WIRELESS PSC, LLC

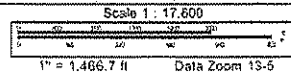
EXHIBITS

EXHIBIT A	Search Ring Map
EXHIBIT B	Option And Lease Agreement
EXHIBIT C	TOWAIR Determination Results
EXHIBIT D	Site Plan and other Maps
EXHIBIT E	Foundation Investigation Report
EXHIBIT F	Specifications
EXHIBIT G	Public Notice Mailed to Landowners, Residents, and Local Planning Unit
EXHIBIT H	Public Notice Posted at Cannonsburg Cell Site Public Notice Posted at Nearest Public Road to the Cannonsburg Cell Site
EXHIBIT I	Legal Notice
EXHIBIT J	Photographs from the Proposed Site

WV302 Cannonsburg



Data use subject to license.
 © 2004 DeLorme Topo USA® 5.0.
 www.delorme.com



Market: Virginia/West Virginia
Cell Site Number: WV302
Cell Site Name: Cannonsburg

OPTION AND LEASE AGREEMENT

THIS OPTION AND LEASE AGREEMENT ("Agreement"), dated as of the latter of the signature dates below (the "Effective Date"), is entered into by Mark Kazee, a Private Citizen and Tammy Kazee, a Private Citizen, having a mailing address of 12633 Copley Road Ashland, KY 41102 (hereinafter referred to as "**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 6100 Atlantic Boulevard, Norcross, Georgia 30071 (hereinafter referred to as "**Tenant**").

BACKGROUND

Landlord owns or controls that certain plot, parcel or tract of land, together with all rights and privileges arising in connection therewith, located at 12633 Copley Road Ashland, KY 41102, in the County of Boyd, State of Kentucky (collectively, the "**Property**"). Tenant desires to use a portion of the Property in connection with its federally licensed communications business. Landlord desires to grant to Tenant the right to use a portion of the Property in accordance with this Agreement.

The parties agree as follows:

1. **OPTION TO LEASE.**

(a) Landlord grants to Tenant an option (the "**Option**") to lease a certain portion of the Property containing approximately two thousand five hundred (2,500) square feet including the air space above such room/cabinet/ground space as described on attached **Exhibit 1**, together with unrestricted access for Tenant's uses from the nearest public right-of-way along the Property to the Premises as described on the attached **Exhibit 1** (collectively, the "**Premises**").

(b) During the Option period and any extension thereof, and during the term of this Agreement, Tenant and its agents, engineers, surveyors and other representatives will have the right to enter upon the Property to inspect, examine, conduct soil borings, drainage testing, material sampling, radio frequency testing and other geological or engineering tests or studies of the Property (collectively, the "**Tests**"), to apply for and obtain licenses, permits, approvals, or other relief required of or deemed necessary or appropriate at Tenant's sole discretion for its use of the Premises and include, without limitation, applications for zoning variances, zoning ordinances, amendments, special use permits, and construction permits (collectively, the "**Government Approvals**"), initiate the ordering and/or scheduling of necessary utilities, and otherwise to do those things on or off the Property that, in the opinion of Tenant, are necessary in Tenant's sole discretion to determine the physical condition of the Property, the environmental history of the Property, Landlord's title to the Property and the feasibility or suitability of the Property for Tenant's Permitted Use, all at Tenant's expense. Tenant will not be liable to Landlord or any third party on account of any pre-existing defect or condition on or with respect to the Property, whether or not such defect or condition is disclosed by Tenant's inspection. Tenant will restore the Property to its condition as it existed at the commencement of the Option Term (as defined below), reasonable wear and tear and casualty not caused by Tenant excepted. In addition, Tenant shall indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or claims arising directly out of Tenant's Tests.

(c) In consideration of Landlord granting Tenant the Option, Tenant _____ within thirty (30) business days of the Effective Date. The Option will be for an initial term of one (1) year commencing on the Effective Date (the "**Initial Option Term**") and may be renewed by Tenant for an additional one (1) year upon written notification

to Landlord and
days prior to the expiration date of the Initial Option Term.

no later than ten (10)

(d) The Option may be sold, assigned or transferred at any time by Tenant to Tenant's parent company or member if Tenant is a limited liability company or any affiliate or subsidiary of, or partner in, Tenant or its parent company or member, or to any third party agreeing to be subject to the terms hereof. Otherwise, the Option may not be sold, assigned or transferred without the written consent of Landlord, such consent not to be unreasonably withheld, conditioned or delayed. From and after the date the Option has been sold, assigned or transferred by Tenant to a third party agreeing to be subject to the terms hereof, Tenant shall immediately be released from any and all liability under this Agreement, including the payment of any rental or other sums due, without any further action.

(e) During the Initial Option Term and any extension thereof, Tenant may exercise the Option by notifying Landlord in writing. If Tenant exercises the Option then Landlord leases the Premises to the Tenant subject to the terms and conditions of this Agreement. If Tenant does not exercise the Option during the Initial Option Term or any extension thereof, this Agreement will terminate and the parties will have no further liability to each other.

(f) If during the Initial Option Term or any extension thereof, or during the term of this Agreement if the Option is exercised, Landlord decides to subdivide, sell, or change the status of the zoning of the Premises, Property or any of Landlord's contiguous, adjoining or surrounding property (the "**Surrounding Property**," which includes (without limitation) the remainder of the structure) or in the event of foreclosure, Landlord shall immediately notify Tenant in writing. Any sale of the Property shall be subject to Tenant's rights under this Agreement. Landlord agrees that during the Initial Option Term or any extension thereof, or during the Term of this Agreement if the Option is exercised, Landlord shall not initiate or consent to any change in the zoning of the Premises, Property or Surrounding Property or impose or consent to any other restriction that would prevent or limit Tenant from using the Premises for the uses intended by Tenant as hereinafter set forth in this Agreement.

2. **PERMITTED USE.** Tenant may use the Premises for the transmission and reception of communications signals and the installation, construction, maintenance, operation, repair, replacement and upgrade of its communications fixtures and related equipment, cables, accessories and improvements, which may include a suitable support structure, associated antennas, I beams, equipment shelters or cabinets and fencing and any other items necessary to the successful and secure use of the Premises (collectively, the "**Communication Facility**"), as well as the right to test, survey and review title on the Property; Tenant further has the right but not the obligation to add, modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including, but not limited to, emergency 911 communication services, at no additional cost to Tenant or Landlord (collectively, the "**Permitted Use**"). Landlord and Tenant agree that any portion of the Communication Facility that may be conceptually described on **Exhibit 1** will not be deemed to limit Tenant's Permitted Use. If **Exhibit 1** includes drawings of the initial installation of the Communication Facility, Landlord's execution of this Agreement will signify Landlord's approval of **Exhibit 1**. Tenant has the right to install and operate transmission cables from the equipment shelter or cabinet to the antennas, electric lines from the main feed to the equipment shelter or cabinet and communication lines from the main entry point to the equipment shelter or cabinet, and to make Property improvements, alterations, upgrades or additions appropriate for Tenant's use ("**Tenant Changes**"). Tenant Changes include the right to construct a fence around the Premises and undertake any other appropriate means to secure the Premises. Tenant agrees to comply with all applicable governmental laws, rules, statutes and regulations, relating to its use of the Communication Facility on the Property. Tenant has the right to modify, supplement, replace, upgrade, expand the equipment, increase the number of antennas or relocate the Communication Facility within the Premises at any time during the term of this Agreement. Tenant will be allowed to make such alterations to the Property in order to accomplish Tenant's Changes or to insure that Tenant's Communication Facility complies with all applicable federal, state or local laws, rules or regulations.

In the event Tenant desires to modify or upgrade the Communication Facility, and Tenant requires an additional portion of the Property (the "Additional Premises") for such modification or upgrade, Landlord agrees to lease to Tenant the Additional Premises, upon the same terms and conditions set forth herein, except that the Rent shall increase, in conjunction with the lease of the Additional Premises by a reasonable amount consistent with rental rates then charged for comparable portions of real property being in the same area. Landlord agrees to take such actions and enter into and deliver to Tenant such documents as Tenant reasonably requests in order to effect and memorialize the lease of the Additional Premises to Tenant.

3. **TERM.**

(a) The initial lease term will be five (5) years ("Initial Term"), commencing on the effective date of written notification by Tenant to Landlord of Tenant's exercise of the Option (the "Term Commencement Date"). The Initial Term will terminate on the fifth (5th) annual anniversary of the Term Commencement Date.

(b) This Agreement will automatically renew for four (4) additional five (5) year term(s) (each five (5) year term shall be defined as the "Extension Term"), upon the same terms and conditions unless the Tenant notifies the Landlord in writing of Tenant's intention not to renew this Agreement at least sixty (60) days prior to the expiration of the existing Term.

(c) If, at least sixty (60) days prior to the end of the fourth (4th) extended term, either Landlord or Tenant has not given the other written notice of its desire that the term of this Agreement end at the expiration of the fourth (4th) extended term, then upon the expiration of the fourth (4th) extended term this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of one (1) year, and for annual terms thereafter until terminated by either party by giving to the other written notice of its intention to so terminate at least six (6) months prior to the end of any such annual term. Monthly rental during such annual terms shall be equal to the rent paid for the last month of the fourth (4th) extended term. If Tenant remains in possession of the Premises after the termination of this Agreement then Tenant will be deemed to be occupying the Premises on a month to month basis (the "Holdover Term"), subject to the terms and conditions of this Agreement.

(d) The Initial Term, the Extension Term and the Holdover Term are collectively referred to as the Term ("Term").

4. **RENT.**

(a) Commencing on the first day of the month following the date that Tenant commences construction (the "Rent Commencement Date"), Tenant will pay the Landlord a monthly rental

("Rent"), at the address set forth above, on or before the fifth (5th) day of each calendar month in advance. In partial months occurring after the Rent Commencement Date, Rent will be prorated. The initial Rent payment will be forwarded by Tenant to Landlord within thirty (30) days after the Rent Commencement Date.

(b) In year one (1) of each Extension Term, the monthly Rent will increase by over the Rent paid during the previous Term.

(c) All Rent or other charges payable under this Agreement shall be billed by Landlord within one (1) year from the end of the calendar year in which the charges were incurred; any charges beyond such period shall not be billed by Landlord, and shall not be payable by Tenant. The provisions of the foregoing sentence shall survive the termination or expiration of this Agreement.

5. **APPROVALS.**

(a) Landlord agrees that Tenant's ability to use the Premises is contingent upon the suitability of the Premises for Tenant's Permitted Use and Tenant's ability to obtain and maintain all Government Approvals. Landlord authorizes Tenant to prepare, execute and file all required applications to obtain Government Approvals for Tenant's Permitted Use under this Agreement and agrees to reasonably assist Tenant with such applications and with obtaining and maintaining the Government Approvals.

(b) Tenant has the right to obtain a title report or commitment for a leasehold title policy from a title insurance company of its choice and to have the Property surveyed by a surveyor of Tenant's choice. In the

event Tenant determines, in its sole discretion, due to the title report results or survey results, that the condition of the Premises is unsatisfactory, Tenant will have the right to terminate this Agreement upon notice to Landlord.

(c) Tenant may also perform and obtain, at Tenant's sole cost and expense, soil borings, percolation tests, engineering procedures, environmental investigation or other tests or reports on, over, and under the Property, necessary to determine if the Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system, design, operations or Government Approvals.

6. **TERMINATION.** This Agreement may be terminated, without penalty or further liability, as follows:

(a) by either party on thirty (30) days prior written notice, if the other party remains in default under Paragraph 15 Default and Right to Cure of this Agreement after the applicable cure periods;

(b) by Tenant upon written notice to Landlord, if Tenant is unable to obtain, or maintain, any required approval(s) or the issuance of a license or permit by any agency, board, court or other governmental authority necessary for the construction or operation of the Communication Facility as now or hereafter intended by Tenant; or if Tenant determines in its sole discretion that the cost of obtaining or retaining the same is commercially unreasonable;

(c) by Tenant upon written notice to Landlord for any reason, at any time prior to commencement of construction by Tenant; or

(d) by Tenant upon sixty (60) days prior written notice to Landlord for any reason, so long as Tenant pays Landlord a termination fee equal to three (3) months Rent, at the then current rate, provided, however, that no such termination fee will be payable on account of the termination of this Agreement by Tenant under any one or more of Paragraphs 5(b) Approvals, 6(a) Termination, 6(b) Termination, 6(c) Termination, 8 Interference, 11(d) Environmental, 18 Severability, 19 Condemnation or 20 Casualty of this Agreement.

7. **INSURANCE.**

(a) Tenant will carry during the Term, at its own cost and expense, the following insurance: (i) "All Risk" property insurance for its property's replacement cost; (ii) commercial general liability insurance with a minimum limit of liability of \$2,500,000 combined single limit for bodily injury or death/property damage arising out of any one occurrence; and (iii) Workers' Compensation Insurance as required by law. The coverage afforded by Tenant's commercial general liability insurance shall apply to Landlord as an additional insured, but only with respect to Landlord's liability arising out of its interest in the Property.

(b) Tenant shall have the right to self-insure with respect to any of the above insurance requirements.

8. **INTERFERENCE.**

(a) Where there are existing radio frequency user(s) on the Property, the Landlord will provide Tenant with a list of all existing radio frequency user(s) on the Property to allow Tenant to evaluate the potential for interference. Tenant warrants that its use of the Premises will not interfere with existing radio frequency user(s) on the Property so disclosed by Landlord, as long as the existing radio frequency user(s) operate and continue to operate within their respective frequencies and in accordance with all applicable laws and regulations.

(b) Landlord will not grant, after the date of this Agreement, a lease, license or any other right to any third party for the use of the Property, if such use may in any way adversely affect or interfere with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will notify Tenant in writing prior to granting any third party the right to install and operate communications equipment on the Property.

(c) Landlord will not use, nor will Landlord permit its employees, tenants, licensees, invitees or agents to use, any portion of the Property in any way which interferes with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will cause such interference to cease within twenty-four (24) hours after receipt of notice of interference from Tenant. In the event any such

interference does not cease within the aforementioned cure period then the parties acknowledge that Tenant will suffer irreparable injury, and therefore, Tenant will have the right, in addition to any other rights that it may have at law or in equity, for Landlord's breach of this Agreement, to elect to enjoin such interference or to terminate this Agreement upon notice to Landlord.

9. INDEMNIFICATION.

(a) Tenant agrees to indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or liability (or any claims in respect of the foregoing), costs or expenses (including reasonable attorneys' fees and court costs but excluding real property or personal property taxes) arising directly from the installation, use, maintenance, repair or removal of the Communication Facility or Tenant's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Landlord, its employees, agents or independent contractors.

(b) Landlord agrees to indemnify, defend and hold Tenant harmless from and against any and all injury, loss, damage or liability (or any claims in respect of the foregoing), costs or expenses (including reasonable attorneys' fees and court costs but excluding real property or personal property taxes) arising directly from the actions or failure to act of Landlord or its employees or agents, or Landlord's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Tenant, its employees, agents or independent contractors.

(c) Notwithstanding anything to the contrary in this Agreement, Tenant and Landlord each waives any claims that each may have against the other with respect to consequential, incidental or special damages.

10. WARRANTIES.

(a) Tenant and Landlord each acknowledge and represent that it is duly organized, validly existing and in good standing and has the right, power and authority to enter into this Agreement and bind itself hereto through the party set forth as signatory for the party below.

(b) Landlord represents and warrants that: (i) Landlord solely owns the Property as a legal lot in fee simple, or controls the Property by lease or license; (ii) the Property is not encumbered by any liens, restrictions, mortgages, covenants, conditions, easements, leases, or any other agreements of record or not of record, which would adversely affect Tenant's Permitted Use and enjoyment of the Premises under this Agreement; (iii) as long as Tenant is not in default then Landlord grants to Tenant sole, actual, quiet and peaceful use, enjoyment and possession of the Premises; (iv) Landlord's execution and performance of this Agreement will not violate any laws, ordinances, covenants or the provisions of any mortgage, lease or other agreement binding on the Landlord; and (v) if the Property is or becomes encumbered by a deed to secure a debt, mortgage or other security interest, Landlord will use best efforts to provide promptly to Tenant a mutually agreeable Subordination, Non-Disturbance and Attornment Agreement.

11. ENVIRONMENTAL.

(a) Landlord represents and warrants that the Property is free of hazardous substances as of the date of this Agreement, and, to the best of Landlord's knowledge, the Property has never been subject to any contamination or hazardous conditions resulting in any environmental investigation, inquiry or remediation. Landlord and Tenant agree that each will be responsible for compliance with any and all environmental and industrial hygiene laws, including any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene condition or other matters as may now or at any time hereafter be in effect, that are now or were related to that party's activity conducted in or on the Property.

(b) Landlord and Tenant agree to hold harmless and indemnify the other from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of the indemnifying party for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding which is related to (i) the indemnifying party's failure to comply with any environmental or industrial hygiene law, including without limitation any regulations, guidelines, standards or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene conditions or matters

as may now or hereafter be in effect, or (ii) any environmental or industrial hygiene conditions that arise out of or are in any way related to the condition of the Property and activities conducted by the party thereon, unless the environmental conditions are caused by the other party.

(c) The indemnifications of this Paragraph 11 Environmental specifically include reasonable costs, expenses and fees incurred in connection with any investigation of Property conditions or any clean-up, remediation, removal or restoration work required by any governmental authority. The provisions of this Paragraph 11 Environmental will survive the expiration or termination of this Agreement.

(d) In the event Tenant becomes aware of any hazardous materials on the Property, or any environmental or industrial hygiene condition or matter relating to the Property that, in Tenant's sole determination, renders the condition of the Premises or Property unsuitable for Tenant's use, or if Tenant believes that the leasing or continued leasing of the Premises would expose Tenant to undue risks of government action, intervention or third-party liability, Tenant will have the right, in addition to any other rights it may have at law or in equity, to terminate the Agreement upon notice to Landlord.

12. ACCESS. At all times throughout the Term of this Agreement, and at no additional charge to Tenant, Tenant and its employees, agents, and subcontractors, will have twenty-four (24) hour per day, seven (7) days per week pedestrian and vehicular access to and over the Property, from an open and improved public road to the Premises, for the installation, maintenance and operation of the Communication Facility and any utilities serving the Premises. Landlord grants to Tenant an easement for such access and Landlord agrees to provide to Tenant such codes, keys and other instruments necessary for such access at no additional cost to Tenant. Upon Tenant's request, Landlord will execute a separate recordable easement evidencing this right. In the event any public utility is unable to use the access or easement provided to Tenant then the Landlord agrees to grant additional access or an easement either to Tenant or to the public utility, for the benefit of Tenant, at no cost to Tenant.

13. REMOVAL/RESTORATION. All portions of the Communication Facility brought onto the Property by Tenant will be and remain Tenant's personal property and, at Tenant's option, may be removed by Tenant at any time during the Term. Landlord covenants and agrees that no part of the Communication Facility constructed, erected or placed on the Premises by Tenant will become, or be considered as being affixed to or a part of, the Property, it being the specific intention of the Landlord that all improvements of every kind and nature constructed, erected or placed by Tenant on the Premises will be and remain the property of the Tenant and may be removed by Tenant at any time during the Term. Within one hundred twenty (120) days of the termination of this Agreement, Tenant will remove all of Tenant's above-ground improvements and Tenant will, to the extent reasonable, restore the Premises to its condition at the commencement of the Agreement, reasonable wear and tear and loss by casualty or other causes beyond Tenant's control excepted. Notwithstanding the foregoing, Tenant will not be responsible for the replacement of any trees, shrubs or other vegetation, nor will Tenant be required to remove from the Premises or the Property any foundations or underground utilities.

14. MAINTENANCE/UTILITIES.

(a) Tenant will keep and maintain the Premises in good condition, reasonable wear and tear and damage from the elements excepted. Landlord will maintain and repair the Property and access thereto, in good and tenable condition, subject to reasonable wear and tear and damage from the elements.

(b) Tenant will be responsible for paying on a monthly or quarterly basis all utilities charges for electricity, telephone service or any other utility used or consumed by Tenant on the Premises. In the event Tenant cannot secure its own metered electrical supply, Tenant will have the right, at its own cost and expense, to submeter from the Landlord. When submetering is necessary and available, Landlord will read the meter on a monthly or quarterly basis and provide Tenant with the necessary usage data in a timely manner to enable Tenant to compute such utility charges. Failure by Landlord to perform this function will limit utility fee recovery by Landlord to a 12-month period. Landlord will fully cooperate with any utility company requesting an easement over, under and across the Property in order for the utility company to provide service to the

Tenant. Landlord will not be responsible for interference with, interruption of or failure, beyond the reasonable control of Landlord, of such services to be furnished or supplied by Landlord.

15. DEFAULT AND RIGHT TO CURE.

(a) The following will be deemed a default by Tenant and a breach of this Agreement: (i) non-payment of Rent if such Rent remains unpaid for more than thirty (30) days after receipt of written notice from Landlord of such failure to pay; or (ii) Tenant's failure to perform any other term or condition under this Agreement within forty-five (45) days after receipt of written notice from Landlord specifying the failure. No such failure, however, will be deemed to exist if Tenant has commenced to cure such default within such period and provided that such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Tenant. If Tenant remains in default beyond any applicable cure period, Landlord will have the right to exercise any and all rights and remedies available to it under law and equity.

(b) The following will be deemed a default by Landlord and a breach of this Agreement: Landlord's failure to perform any term, condition or breach of any warranty or covenant under this Agreement within forty-five (45) days after receipt of written notice from Tenant specifying the failure. No such failure, however, will be deemed to exist if Landlord has commenced to cure the default within such period and provided such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Landlord. If Landlord remains in default beyond any applicable cure period, Tenant will have the right to exercise any and all rights available to it under law and equity, including the right to cure Landlord's default and to deduct the costs of such cure from any monies due to Landlord from Tenant.

16. ASSIGNMENT/SUBLEASE. Tenant will have the right to assign this Agreement or sublease the Premises and its rights herein, in whole or in part, without Landlord's consent. Upon notification to Landlord of such assignment, Tenant will be relieved of all future performance, liabilities and obligations under this Agreement.

17. NOTICES. All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows:

If to Tenant: c/o Cingular Wireless LLC
Attn: Network Real Estate Administration
Re: Cell Site # WV302; Cell Site Name: Cannonsburg
6100 Atlantic Boulevard
Norcross, GA 30071

With a copy to: Cingular Wireless LLC
Attn: Legal Department
Re: Cell Site # WV302; Cell Site Name: Cannonsburg
15 E Midland Avenue
Paramus, NJ 07652

If to Landlord: Mark & Tammy Kazee
12633 Copley Road
Ashland, KY 41102

Either party hereto may change the place for the giving of notice to it by thirty (30) days prior written notice to the other as provided herein.

18. **SEVERABILITY.** If any term or condition of this Agreement is found unenforceable, the remaining terms and conditions will remain binding upon the parties as though said unenforceable provision were not contained herein. However, if the invalid, illegal or unenforceable provision materially affects this Agreement then the Agreement may be terminated by either party on ten (10) business days prior written notice to the other party hereto.

19. **CONDEMNATION.** In the event Landlord receives notification of any condemnation proceedings affecting the Property, Landlord will provide notice of the proceeding to Tenant within forty-eight (48) hours. If a condemning authority takes all of the Property, or a portion sufficient, in Tenant's sole determination, to render the Premises unsuitable for Tenant, this Agreement will terminate as of the date the title vests in the condemning authority. The parties will each be entitled to pursue their own separate awards in the condemnation proceeds, which for Tenant will include, where applicable, the value of its Communication Facility, moving expenses, prepaid Rent, and business dislocation expenses, provided that any award to Tenant will not diminish Landlord's recovery. Tenant will be entitled to reimbursement for any prepaid Rent on a prorata basis.

20. **CASUALTY.** Landlord will provide notice to Tenant of any casualty affecting the Property within forty-eight (48) hours of the casualty. If any part of the Communication Facility or Property is damaged by fire or other casualty so as to render the Premises unsuitable, in Tenant's sole determination, then Tenant may terminate this Agreement by providing written notice to the Landlord, which termination will be effective as of the date of such damage or destruction. Upon such termination, Tenant will be entitled to collect all insurance proceeds payable to Tenant on account thereof and to be reimbursed for any prepaid Rent on a prorata basis. If notice of termination is given, or if Landlord or Tenant undertake to rebuild the Communications Facility, Landlord agrees to use its reasonable efforts to permit Tenant to place temporary transmission and reception facilities on the Property at no additional Rent until such time as Tenant is able to secure a replacement transmission location or the reconstruction of the Communication Facility is completed.

21. **WAIVER OF LANDLORD'S LIENS.** Landlord waives any and all lien rights it may have, statutory or otherwise, concerning the Communication Facility or any portion thereof. The Communication Facility shall be deemed personal property for purposes of this Agreement, regardless of whether any portion is deemed real or personal property under applicable law, and Landlord consents to Tenant's right to remove all or any portion of the Communication Facility from time to time in Tenant's sole discretion and without Landlord's consent.

22. **TAXES.** Landlord shall be responsible for payment of all ad valorem taxes levied upon the lands, improvements and other property of Landlord. Tenant shall be responsible for all taxes levied upon Tenant's leasehold improvements (including Tenant's equipment building and tower) on the Leased Property. Landlord shall provide Tenant with copies of all assessment notices on or including the Leased Property immediately upon receipt, but in no event less than three (3) business days after receipt by Landlord. If Landlord fails to provide such notice within such time frame, Landlord shall be responsible for all increases in taxes for the year covered by the assessment. Tenant shall have the right to contest, in good faith, the validity or the amount of any tax or assessment levied against the Leased Property by such appellate or other proceedings as may be appropriate in the jurisdiction, and may defer payment of such obligations, pay same under protest, or take such other steps as Tenant may deem appropriate. This right shall include the ability to institute any legal, regulatory or informal action in the name of Landlord, Tenant, or both, with respect to the valuation of the Leased Property. Landlord shall cooperate in the institution and prosecution of any such proceedings and will execute any documents required therefore. The expense of any such proceedings shall be borne by Tenant and any refunds or rebates secured as a result of Tenant's action shall belong to Tenant.

23. SALE OF PROPERTY. If Landlord, at any time during the Term of this Agreement, decides to sell, subdivide or rezone any of the Premises, all or any part of the Property or Surrounding Property, to a purchaser other than Tenant, Landlord shall promptly notify Tenant in writing, and such sale, subdivision or rezoning shall be subject to this Agreement and Tenant's rights hereunder. Landlord agrees not to sell, lease or use any areas of the Property or Surrounding Property for the installation, operation or maintenance of other wireless communications facilities if such installation, operation or maintenance would interfere with Tenant's Permitted Use or communications equipment as determined by radio propagation tests performed by Tenant in its sole discretion, any such testing to be at the expense of Landlord or Landlord's prospective purchaser, and not Tenant. If the radio frequency propagation tests demonstrate levels of interference unacceptable to Tenant, Landlord shall be prohibited from selling, leasing or using any areas of the Property or the Surrounding Property for purposes of any installation, operation or maintenance of any other wireless communications facility or equipment. Landlord shall not be prohibited from the selling, leasing or use of any of the Property or the Surrounding Property for non-wireless communication use. In the event the Property is transferred, the new landlord shall have a duty at the time of such transfer to provide Tenant with a completed IRS Form W-9, or its equivalent, and other related paper work to effect a transfer in Rent to the new landlord. The provisions of this Paragraph 23 shall in no way limit or impair the obligations of Landlord under Paragraph 8 above.

24. MISCELLANEOUS.

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by an authorized agent of the Landlord and an authorized agent of the Tenant. No provision may be waived except in a writing signed by both parties.

(b) **Memorandum/Short Form Lease.** Either party will, at any time upon fifteen (15) business days prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum or Short Form of Lease. Either party may record this Memorandum or Short Form of Lease at any time, in its absolute discretion.

(c) **Bind and Benefit.** The terms and conditions contained in this Agreement will run with the Property and bind and inure to the benefit of the parties, their respective heirs, executors, administrators, successors and assigns.

(d) **Entire Agreement.** This Agreement and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the parties hereto and will supersede all prior offers, negotiations and agreements with respect to the subject matter of this Agreement.

(e) **Governing Law.** This Agreement will be governed by the laws of the state in which the Premises are located, without regard to conflicts of law.

(f) **Interpretation.** Unless otherwise specified, the following rules of construction and interpretation apply: (i) captions are for convenience and reference only and in no way define or limit the construction of the terms and conditions hereof; (ii) use of the term "including" will be interpreted to mean "including but not limited to"; (iii) whenever a party's consent is required under this Agreement, except as otherwise stated in the Agreement or as same may be duplicative, such consent will not be unreasonably withheld, conditioned or delayed; (iv) exhibits are an integral part of the Agreement and are incorporated by reference into this Agreement; (v) use of the terms "termination" or "expiration" are interchangeable; and (vi) reference to a default will take into consideration any applicable notice, grace and cure periods.

(g) **Estoppel.** Either party will, at any time upon twenty (20) business days prior written notice from the other, execute, acknowledge and deliver to the other a statement in writing (i) certifying that this Agreement is unmodified and in full force and effect (or, if modified, stating the nature of such modification and certifying this Agreement, as so modified, is in full force and effect) and the date to which the Rent and other charges are paid in advance, if any, and (ii) acknowledging that there are not, to such party's knowledge, any uncured defaults on the part of the other party hereunder, or specifying such defaults if any are claimed. Any such statement may be conclusively relied upon by any prospective purchaser or encumbrancer of the Premises. The requested party's failure to deliver such a statement within such time will be conclusively relied upon by the requesting party that (i) this Agreement is in full force and effect, without modification except as

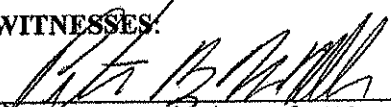
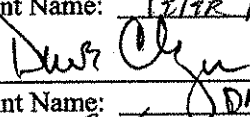
may be properly represented by the requesting party, (ii) there are no uncured defaults in either party's performance, and (iii) no more than one month's Rent has been paid in advance.

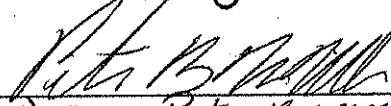
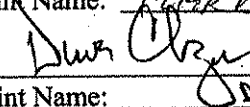
(h) **No Electronic Signature/No Option.** The submission of this Agreement to any party for examination or consideration does not constitute an offer, reservation of or option for the Premises based on the terms set forth herein. This Agreement will become effective as a binding Agreement only upon the handwritten legal execution, acknowledgment and delivery hereof by Landlord and Tenant.

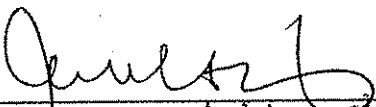
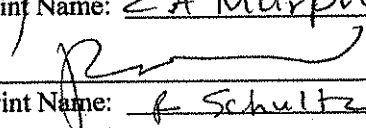
[SIGNATURES APPEAR ON THE NEXT PAGE]

IN WITNESS WHEREOF, the parties have caused this Agreement to be effective as of the last date written below.


WITNESSES:

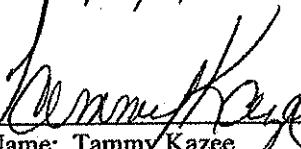

Print Name: Peter B. McMillan

Print Name: DAX CHARZAK


Print Name: Peter B. McMillan

Print Name: DAX CHARZAK



Print Name: CA Murphy

Print Name: f. Schultz

"LANDLORD"

By: 
Print Name: Mark Kazee
Its: Private Citizen
Date: 2/22/07

By: 
Print Name: Tammy Kazee
Its: Private Citizen
Date: 2/22/07

"TENANT"
NEW CINGULAR WIRELESS PCS, LLC


By: Robert D. Young
Print Name: Robert D. Young
Its: Director of Network Engineering and Operations
Date: 3/21/07

[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF Kentucky
COUNTY OF Boyd) ss:

On the 22 day of Feb, 2007 before me personally appeared _____
and acknowledged under oath that he is the _____ of
_____, the _____ named in the attached instrument,
and as such was authorized to execute this instrument on behalf of the _____.

Notary Public: [Signature]
My Commission Expires: 12-9-2009

LANDLORD ACKNOWLEDGMENT

INDIVIDUAL ACKNOWLEDGMENT

STATE OF KENTUCKY)
COUNTY OF BOYD)) ss:

BE IT REMEMBERED, that on this 22 day of Feb, 2006 before me, the subscriber, a person authorized to take oaths in the State of Kentucky, personally appeared Mark and Tammy Kazee who, being duly sworn on his/her/their oath, deposed and made proof to my satisfaction that he/she/they is/are the person(s) named in the within instrument; and I, having first made known to him/her/them the contents thereof, he/she/they did acknowledge that he/she/they signed, sealed and delivered the same as his/her/their voluntary act and deed for the purposes therein contained.

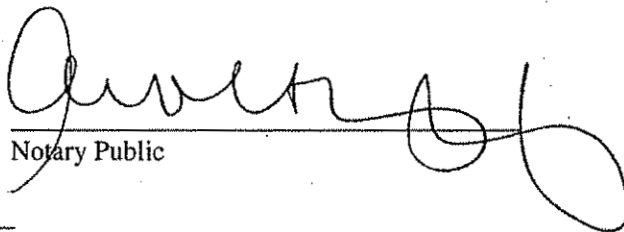
Notary Public: [Signature]
My Commission Expires: 12-9-2009

TENANT ACKNOWLEDGEMENT

COMMONWEALTH OF VIRGINIA

COUNTY OF HENRICO

I, Carol A. Murphy, a Notary Public of the County and State aforesaid, certify that Robert D. Young, who is personally known to me as a Director of Network Engineering and Operations of New Cingular Wireless PCS, LLC, came before me this day and acknowledged that by authority duly given and as an act of the Company, he signed the foregoing instrument. Witness my hand and official stamp or seal, this 21st day of March, 2007.



Notary Public

My Commission Expires: _____

Carol A. Murphy
My Commission Expires
December 31, 2009

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 2

to the Agreement dated 3/21, 2007, by and between Mark Kazee, a Private Citizen and Tammy Kazee, a Private Citizen, , as Landlord, and New Cingular Wireless PCS LLC, a Delaware limited liability company, as Tenant.

The Premises are described and/or depicted as follows:

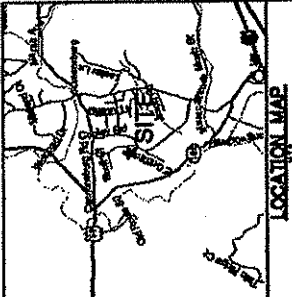
See Attached.

Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises once received by Tenant.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.
4. The type, number and mounting positions and locations of antennas and transmission lines are illustrative only. Actual types, numbers and mounting positions may vary from what is shown above.

THESE RECORDS OF A SURVEY IN ACCORDANCE WITH THE PROVISIONS OF THE SURVEYING AND MAPPING ACT, CHAPTER 15, TITLE 86A, PUBLIC LAW 86-530, AUGUST 30, 1979, AS AMENDED, AND THE PROVISIONS OF THE FEDERAL AERONAUTICS ADMINISTRATION REGULATIONS, PART 135, CHAPTER I, SECTION 119.7, FEBRUARY 23, 1982, AND THE PROVISIONS OF THE FEDERAL AERONAUTICS ADMINISTRATION REGULATIONS, PART 135, CHAPTER I, SECTION 119.7, FEBRUARY 23, 1982, AND THE PROVISIONS OF THE FEDERAL AERONAUTICS ADMINISTRATION REGULATIONS, PART 135, CHAPTER I, SECTION 119.7, FEBRUARY 23, 1982.

LOCATION MAP



GENERAL NOTES

1. GENERAL NOTES: SEE LIST OF GENERAL NOTES AT PREVIOUS STATION - 17827
2. CENTER OF GRAVITY: LATITUDE 38-52-27.7 N, LONGITUDE 78-03-12.8 W
3. TIME ZONE: EST
4. DATE OF SURVEY: 04/24/83
5. LOCATION: WYOMING COUNTY, MISSOURI
6. PROJECT NO.: 08-537-27
7. DRAWN BY: R. E. THOMPSON
8. CHECKED BY: R. E. THOMPSON
9. DATE OF CHECK: 04-25-83
10. SCALE: AS SHOWN
11. DATE OF ADJUSTMENT: 04/24/83
12. ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF
13. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
14. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
15. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
16. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
17. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
18. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
19. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED
20. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED

PLAN REFERENCES

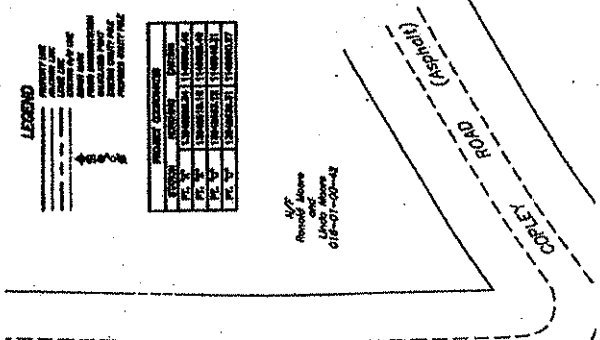
1. MISSOURI SURVEYING BOARD: SURVEY NO. 17827, 1982
2. MISSOURI SURVEYING BOARD: SURVEY NO. 17827, 1982
3. MISSOURI SURVEYING BOARD: SURVEY NO. 17827, 1982

FAA CERTIFICATION

I HEREBY CERTIFY THAT THE LATERALS, LIMITS AND SURVEYED POINTS, BEARS AND THE INSTRUMENTS OF SURVEY USED WERE IN ACCORDANCE WITH THE PROVISIONS OF THE FEDERAL AERONAUTICS ADMINISTRATION REGULATIONS, PART 135, CHAPTER I, SECTION 119.7, FEBRUARY 23, 1982, AND THE PROVISIONS OF THE FEDERAL AERONAUTICS ADMINISTRATION REGULATIONS, PART 135, CHAPTER I, SECTION 119.7, FEBRUARY 23, 1982.

DATE _____ DATE

RECORDAL E. THOMPSON, RLS



(Asphalt) COPLEY ROAD
(Asphalt) TUDOR OAKS DRIVE
GRIFFITH DRIVE (Gravel)
COLEY ROAD (Asphalt)

LEGEND

SYMBOL	DESCRIPTION
———	PROPERTY LINE
- - - - -	PROPOSED UTILITY EASEMENT
.....	EXISTING UTILITY EASEMENT
———	RIGHT-OF-WAY LINE
.....	ADJACENT PROPERTY

PROPERTY OF R. E. THOMPSON, RLS

North Arrow (true)

PROPOSED TOWER LOCATION
LAT. 38-52-27.7 N
LONG. 78-03-12.8 W
ELEVATION 1178.5

PROPOSED UTILITY EASEMENT
FOR UTILITY EASEMENT
POINT OF BEGINNING
FOR UTILITY EASEMENT

PROPOSED UTILITY EASEMENT
FOR UTILITY EASEMENT
POINT OF BEGINNING
FOR UTILITY EASEMENT

PROPOSED UTILITY EASEMENT
FOR UTILITY EASEMENT
POINT OF BEGINNING
FOR UTILITY EASEMENT

PROPOSED UTILITY EASEMENT
FOR UTILITY EASEMENT
POINT OF BEGINNING
FOR UTILITY EASEMENT

SURVEY PLAN
SCALE 1" = 50'-0"

R. E. Thompson
Surveyor
08-537, Ch. 27
018-01-53-8601

TOWAIR Determination Results

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications

NAD83 Coordinates

Latitude	38-22-59.7 north
Longitude	082-42-41.7 west

Measurements (Meters)

Overall Structure Height (AGL)	60.7
Support Structure Height (AGL)	59.4
Site Elevation (AMSL)	237.1

Structure Type

TOWER - Free standing or Guyed Structure used for Communications Purposes

Tower Construction Notification

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

Note: Notification does NOT replace Section 106 Consultation.

CLOSE WINDOW

PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING NEW COMMUNICATIONS TOWER WITH ANTENNAS AND AN EQUIPMENT SHELF. 1R

SITE ADDRESS: 12633 COPLEY ROAD ASHLAND, KY 41102

LATITUDE (NAD83): N 38°22'59.5" LONGITUDE (NAD83): W 82°42'41.7"

JURISDICTION: BOYD COUNTY, KENTUCKY

ZONING DISTRICT CLASSIFICATION: WIRELESS COMMUNICATIONS WESTKENTLAND DISTRICT, TAX MAP 1, PARCEL 14

TAX ID NUMBER: DEED BOOK 810, PAGE 334

DEED REFERENCE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: MARK & TAMMY KOBIE

PROPERTY OWNER: CINGULAR WIRELESS

NAME OF APPLICANT: CINGULAR WIRELESS

DRAWING INDEX

DRAWING INDEX	REV
WV302A-01 TITLE SHEET	B
WV302A-02 SITE PLAN	B
WV302A-03 SITE LAYOUT PLAN & ELEVATION VIEW	B
WV302A-04 SLAB DETAIL	B
WV302A-05 CONSTRUCTION NOTES	B
WV302A-06 CONSTRUCTION DETAILS	B
WV302A-07 FENCE NOTES & DETAILS	B
WV302A-08 ELECTRICAL NOTES & DETAILS	B
WV302A-09 SINGLE LINE DIAGRAM & DETAILS	B
WV302A-10 GROUNDING DETAILS	B
WV302A-11 GROUNDING NOTES AND PLAN	B
WV302A-12 ANTENNA SCHEMATIC & DETAILS	B
WV302A-13 COAX COLOR CODING	B
WV302A-14 RADIUS MAP	B
WV302A-15	B

NOTES

1. SEE THE FOLLOWING NOTES, SYMBOLS AND DETAILS RESPECTIVE DOCUMENT NUMBER 24782-000-000-000 FOR THE IMPLEMENTATION OF THIS SITE DESIGN PACKAGE.

CONCRETE AND REINFORCING STEEL NOTES
APPLICABLE BUILDING CODES AND STANDARDS
RF NOTES
SITE WORK, GENERAL NOTES
SITE WORK, SPECIAL NOTES
GROUNDING NOTES
ELECTRICAL INSTALLATION NOTES
GENERAL NOTES
GREENFIELD TOWER NOTES

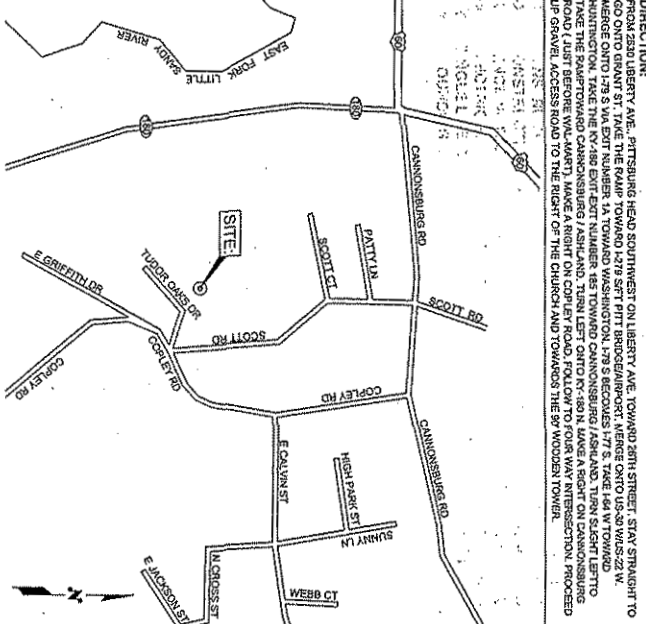
(DETAIL 100)
(DETAIL 101)
(DETAIL 110)
(DETAIL 111)
(DETAIL 112)
(DETAIL 113)
(DETAIL 114)
(DETAIL 115)
(DETAIL 116)
(DETAIL 117)
(DETAIL 118)
(DETAIL 119)
(DETAIL 120)
(DETAIL 121)
(DETAIL 122)
(DETAIL 123)
(DETAIL 124)



CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102



VICINITY MAP



APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AUA) FOR THE LOCATION, THE EXTENT OF THE AND APPLICABLE CODES AND STANDARDS IN EFFECT ON THE DATE OF CONSTRUCTION UNLESS OTHERWISE SPECIFIED.

BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2009

NATIONAL ELECTRICAL CODE (NEC) (1999) WITH 2003 AMENDMENTS

NATIONAL ELECTRICAL CODE (NEC) (1999) WITH 2003 AMENDMENTS

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 224-C STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 607 COMMERCIAL BUILDING GROUNDRING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS INFRASTRUCTURE

FOR ALL ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) B1. GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM

(IEEE 1100 1999) RECOMMENDED PRACTICES FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE 62-1, RECOMMENDED PRACTICES ON SURGE VOLTAGE IN LOW VOLTAGE AC POWER CIRCUITS FOR TELECOMMUNICATIONS

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 602-1, TELECOMMUNICATIONS CABLE CONNECTIONS

ANSI/T311, FOR TELECOM - DC POWER SYSTEMS - TELECOM ENVIRONMENTAL PROTECTION

FOR ALL CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

TELECOM 103

NO.	DATE	DESCRIPTION	BY	CHKD
1	11-05-08	CHANGED TO MONUMENT	AS	AS
2	11-05-08	PRELIMINARY	AS	AS
3	11-05-08	REVISED	AS	AS
4	11-05-08	REVISED	AS	AS
5	11-05-08	REVISED	AS	AS
6	11-05-08	REVISED	AS	AS
7	11-05-08	REVISED	AS	AS
8	11-05-08	REVISED	AS	AS
9	11-05-08	REVISED	AS	AS
10	11-05-08	REVISED	AS	AS

SCALE AS SHOWN

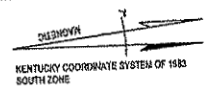
CINGULAR CONSTRUCTION: _____

CINGULAR WIRELESS

24782-421

WV302-01

8



LINE	BEARING	DISTANCE
1	N82°57'34"W	68.82
2	N82°57'34"W	27.07
3	N82°57'34"W	47.41
4	N82°57'34"W	58.15
5	N82°57'34"W	58.15
6	N82°57'34"W	58.15
7	N82°57'34"W	58.15
8	N82°57'34"W	58.15
9	N82°57'34"W	58.15
10	N82°57'34"W	58.15



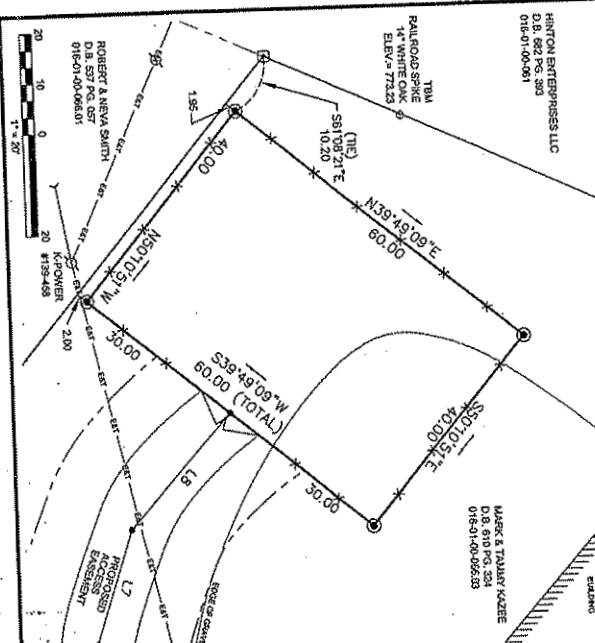
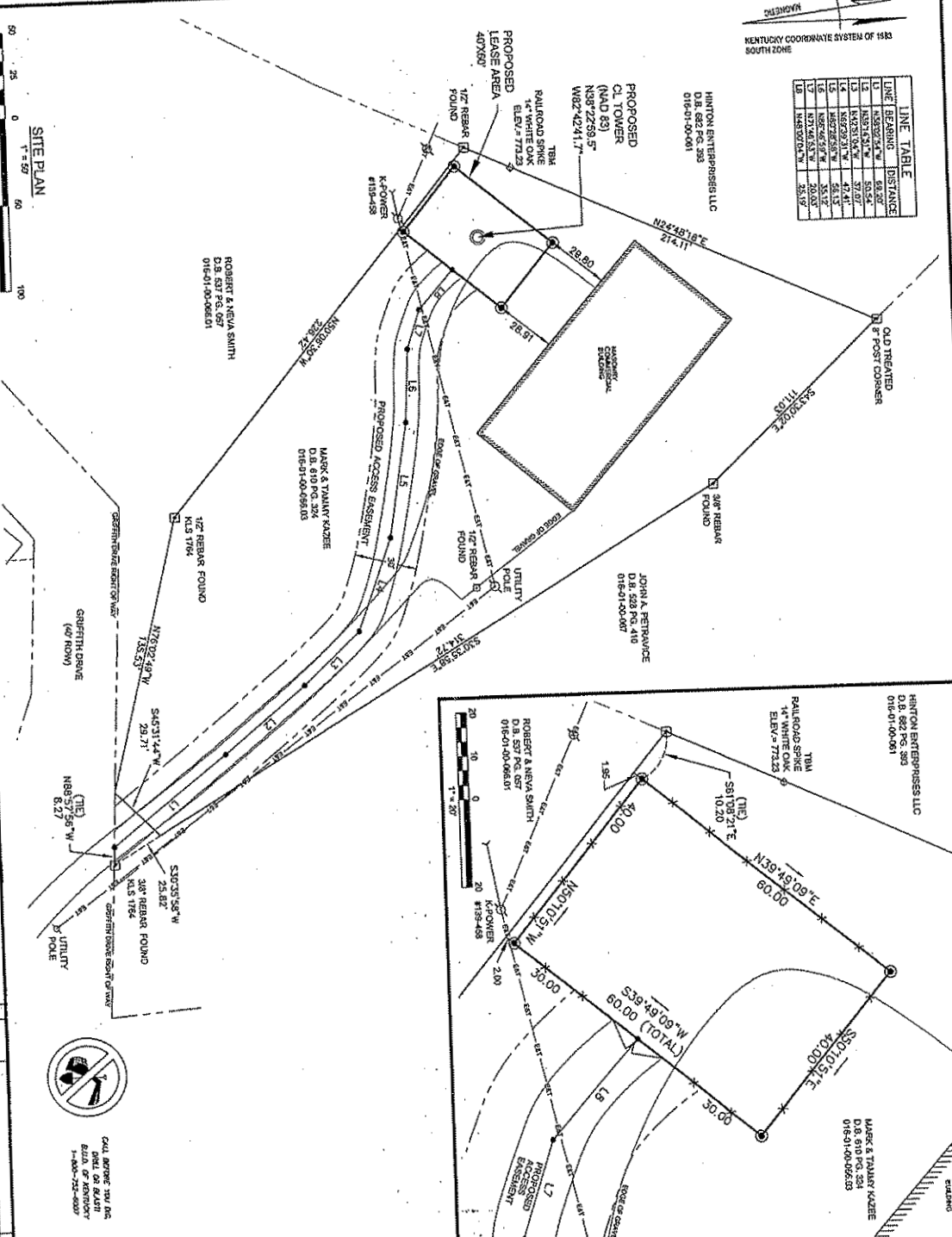
TERRADON
 Engineering, Surveying, Locating & Administrative
 1100 West Virginia Ave
 Martinsburg, WV 26154
 (304) 752-5211
 www.terradon.com

CANNONSBURG
 SITE NO. WV302A
 12633 CORLEY ROAD
 ASHLAND, KY 41102



NO.	DATE	REVISION	BY	CHK'D BY
1	3-31-07	CHANGED TO LOCATOR	JLS	CEP
2	11-06-06	PRELIMINARY	JLS	CEP
3	08-08-06	REVISION	JLS	CEP

NO.	DATE	REVISION	BY	CHK'D BY
1	2-17-02	-421		
2	2-17-02	-42		



LEGAL DESCRIPTIONS:

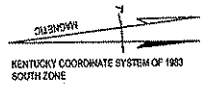
ACCESS EASEMENT BEING A 30' WIDE STRIP OF LAND, 1/2' EITHER SIDE OF CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS BEING FOUND KLS 1150' ON THE NORTHERN EDGE OF CORNERION DRIVE RIGHT OF WAY, THENCE N82°57'34"W 62.7' TO A POINT LOCATED AT THE INTERSECTION OF GERRITH DRIVE AND AN EAST-THEENCE GRAVEL ROAD, SAID POINT BEING THE TRUE POINT OF BEGINNING AND MARK AND TANKY KAZEE THROUGH THE LANDS OF SAID COUSINES. THENCE N82°57'34"W 50.52' TO A POINT KAZEE FROM 63.20' TO A POINT, THENCE N82°57'34"W 42' TO A POINT, THENCE N82°57'34"W 37.07' TO A POINT, THENCE N82°57'34"W 31.12' TO A POINT, THENCE N82°57'34"W 29.71' TO A POINT, THENCE N82°57'34"W 29.71' TO A POINT IN THE SOUTH-EASTERN CORNER OF A 2,400 SQ. FT. CELLULAR TOWER LEASE AREA. TOTAL LENGTH OF EASEMENT = 300.88 FEET.

FAA ACCURACY STATEMENT:
 THE FOLLOWING DATA FOR THE PROPOSED AT MARY'S TOWER SITE LOCATED OFF WEST VIRGINIA COUNTY ROUTE 88 NEAR THE TOWNSHIP OF MARY'S UNION DISTRICT, DEPARTMENT OF TRANSPORTATION AND PUBLIC SAFETY, HONOLULU, HAWAII, AND PLUS OR MINUS 20' VERTICALLY.
 CENTER OF PROPOSED TOWER AT NATURAL GROUND - ELEVATION = 779.8 FEET OR 271.4 METERS.
 MAG. S. LATITUDE: N 82°57'34"
 MAG. S. LONGITUDE: W 82°42'41"
 HORIZONTAL AND VERTICAL INFORMATION DETERMINED BY FIELD SURVEY UTILIZING A GPS UNIT TRIMBLE PRO XRS.

NOTES:
 EXTERIOR PROPERTY LINE BEARINGS AND DISTANCES ARE TAKEN FROM DEED RECORDED IN THE PUBLIC RECORDS OF THE COUNTY OF MARTINSBURG, WEST VIRGINIA, DATE OF FIELD SURVEY: NOVEMBER 2006.
 CALL MARY'S TOWER AT 1-800-752-6007
 BUILDING OF MARY'S TOWER AT 1-800-752-6007

CINGULAR WIRELESS

NO.	DATE	REVISION	BY	CHK'D BY
1	2-17-02	-421		
2	2-17-02	-42		



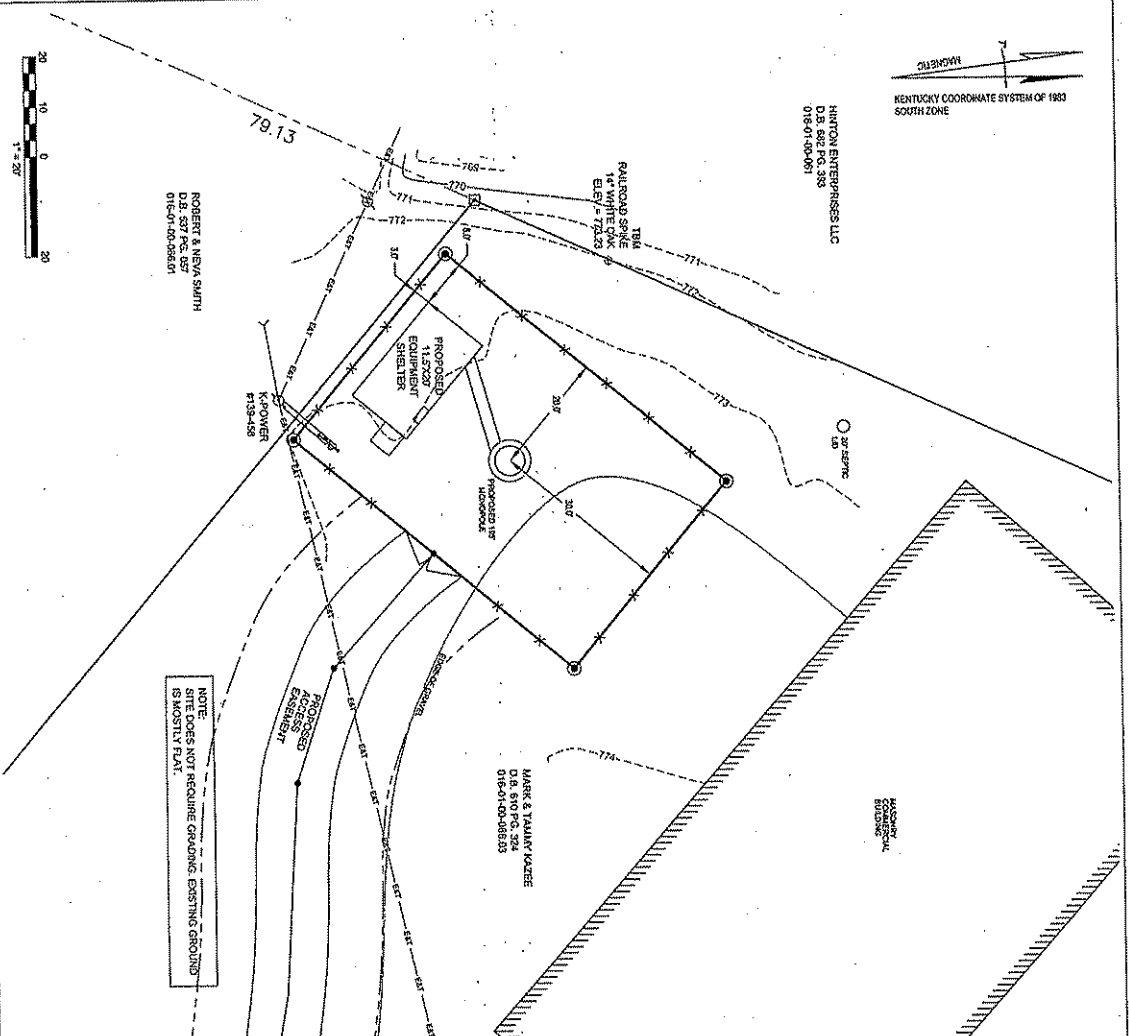
HINTON ENTERPRISES LLC
D.B. 682 PC, 353
015-01-30-081

ROBERT K. NEVA, SAHM
D.B. 327 PC, 857
015-01-00-086/01

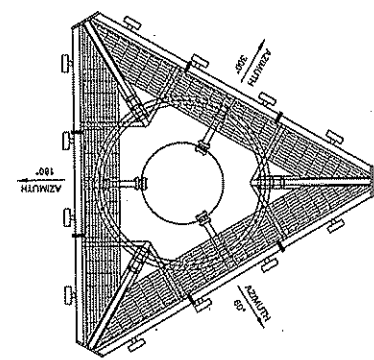


Engineering, Surveying, Landscape Architecture
7.0, Box 519 25143
Highway 60
Cao, KY 40302
(502) 755-4231 Fax 755-3455
www.terraodon.com

CANNONSBURG
SITE NO. W0302A
12633 COPLEY ROAD
ASHLAND, KY 41102



NOTE:
SITE DOES NOT REQUIRE GRADING. EXISTING GROUND
IS MOSTLY FLAT.

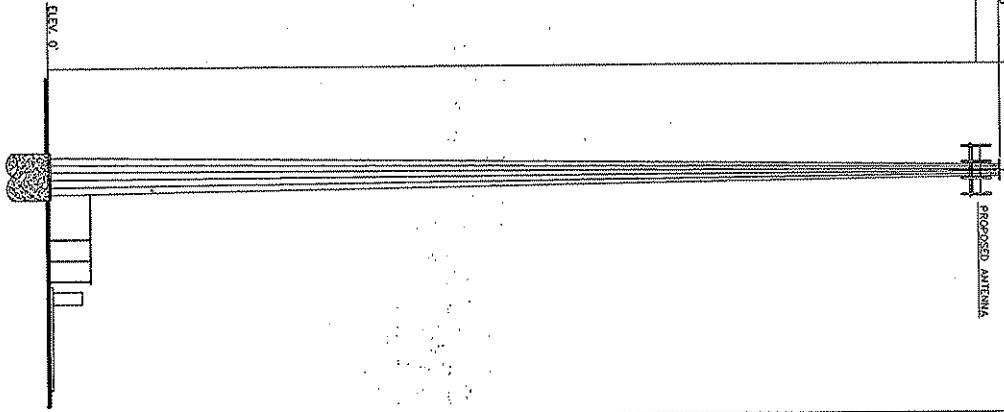


PLAN VIEW
TOWER MOUNTING DETAIL
LOW PROFILE PLATFORM



CALL BEFORE YOU DRILL
DIAL OF HAZARD
1-800-252-8807

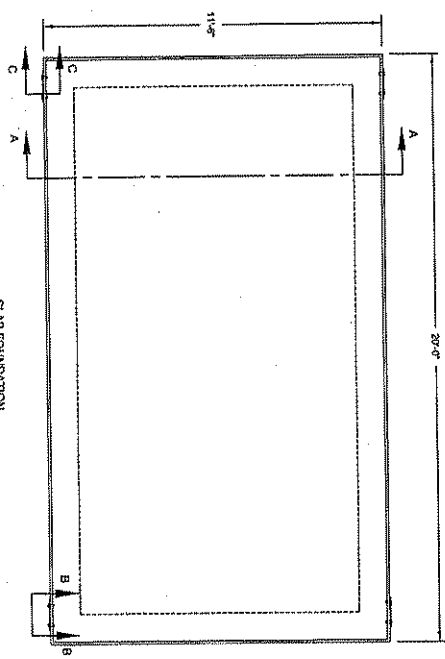
TOP OF LIGHTNING ROD ELEV. 195'
TOP OF TOWER ELEV. 195'
RAD CENTER ELEV. 193'



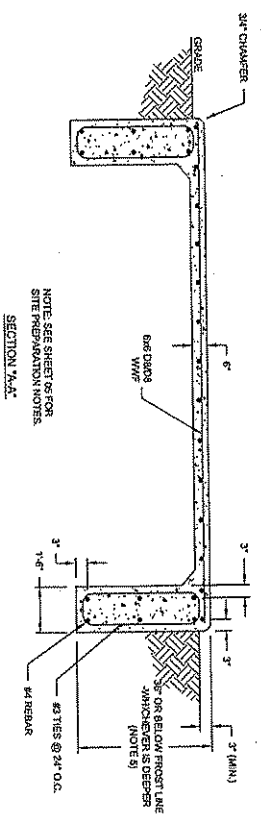
TOWER ELEVATION

NO.	DATE	REVISIONS	PREPARED BY	CHECKED BY	DESIGNED BY	DRAWN BY
1	3-31-07	QUANT TO MONROE	JAY COTT	BOB	BOB	BOB
2	11-28-05	PERMISSIVE	BOB	BOB	BOB	BOB

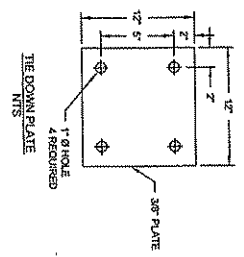
SCALE:	AS SHOWN
CINGULAR WIRELESS	
SITE PLAN VIEW	3-31-07
TOWER ELEVATION VIEW	11-28-05
DATE:	3-31-07
BY:	JAY COTT
PROJECT:	W0302-03
NO.	1



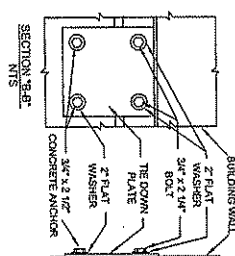
SLAB FOUNDATION NIS



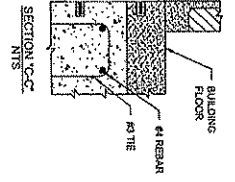
SECTION 'A-A'



THE DOWN PLATE NIS

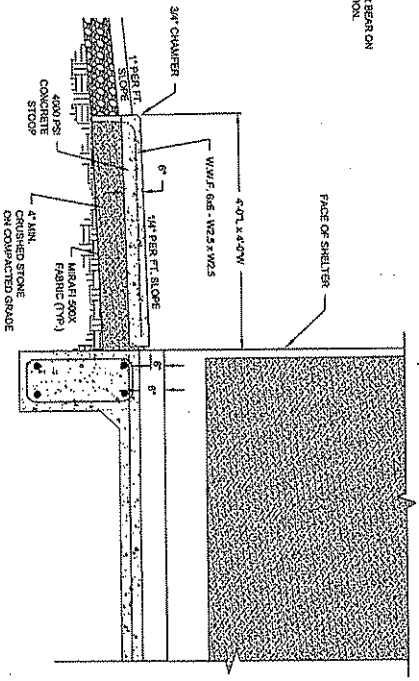


SECTION 'B-B' NIS



SECTION 'C-C' NIS

- NOTES:
1. REFER TO MANUFACTURERS SPECIFICATIONS FOR SITE SPECIFIC CRITERIA.
 2. CSI SHELTER TECHNOLOGIES
 3. THE DOWN PLATE ANCHORS, AND HARDWARE TO BE PROVIDED BY THE SHELTER MANUFACTURER.
 4. SLAB TO BE LEVEL AND FLAT.
 5. FOOTING SHALL EXTEND TO DEPTH SHOWN OR BEAR ON SOLID ROCK IF ENCOUNTERED DURING EXCAVATION.
- (A) DIFFERENT SHELTER MANUFACTURERS MAY BE USED
1. CONCRETE STRENGTH SHALL BE A MINIMUM OF 4000 PSI.
 2. THE DOWN PLATE ANCHORS, AND HARDWARE TO BE PROVIDED BY THE SHELTER MANUFACTURER.
 3. SLAB TO BE LEVEL AND FLAT.
 4. FOOTING SHALL EXTEND TO DEPTH SHOWN OR BEAR ON SOLID ROCK IF ENCOUNTERED DURING EXCAVATION.



TERRADON
 Engineering & Construction
 1200 West Virginia Ave. Ste. 518
 Ashland, KY 41102
 (606) 925-5438
 www.terradon.com

CANNONSBURG
 SITE NO. WV302A
 12633 COPLEY ROAD
 ASHLAND, KY 41102

cingular
 WIRELESS

NO.	DATE	REVISION	ISSUED BY	CHECKED BY	SCALE
8	1-21-02	CHANGED TO LAYOUT	AS	CSF	
7	11-08-01	PRELIMINARY	MMJ	CSF	
6		REVISION	RF	CSK	
5		ISSUED BY: MMJ	ISSUED BY: MMJ		

CINGULAR WIRELESS	
2-4782-421	WV302-04
SLAB DETAIL	DRWING NUMBER
8	8

NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHEN REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE USED BY THE SUBCONTRACTOR. EXISTING OR IMPLANT PIPES AROUND OR NEAR UTILITIES, SUBCONTRACTORS SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROTECT SPECIFICATIONS.
4. IF NECESSARY, RUBBER STAMPS, DEBRIS STOPS, STORES AND OTHER REUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BIR EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE BASE OF THE CURBS PROPERLY DISTURBED BY THE WORK AND NOT TO BE REPAIRED BY THE POWER, EQUIPMENT OR BARRIERS, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED, SHALL BE INSTALLED AND SHALL BE IN COMPLIANCE WITH THE LOCAL REGULATIONS FOR EROSION AND SEDIMENT CONTROL.

NOTES:

1. ALL STEEL WORK SHALL BE SHIPPED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A36 UNLESS OTHERWISE NOTED.
2. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) TABLE 2.4 IN THE AWS MANUAL OF STEEL CONSTRUCTION. PAINTED SURFACES SHALL BE TOUCHED UP.
3. BOLTED CONNECTIONS SHALL BE ASTM A505 BOLTS TYPE 304 OR 316 UNLESS OTHERWISE NOTED.
4. NON-STRUCTURAL CONNECTIONS FOR STEEL BRACING MAY USE 99% DIA. ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
5. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHORS SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO BOLTS SHALL BE WELDED TO CONCRETE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186 UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STAMPED. (A)X.
6. REINFORCING STEEL SHALL CONFORM TO ASTM A616, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186 UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STAMPED. (A)X.
7. THE FOLLOWING MANUAL CONCRETE COVER SHALL BE PROVIDED FOR:
 - 4. REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS
 - CONCRETE CAST AGAINST EARTH..... 3 IN.
 - CONCRETE EXPOSED TO EARTH OR WEATHER..... 2 IN.
 - AS AND LARGER..... 2 IN.
 - AS AND SMALLER & WVF..... 1 1/2 IN.
 - CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND..... 3/4 IN.
 - SLAB AND WALL..... 3/4 IN.
 - BEAMS AND COLUMNS..... 1 1/2 IN.
8. A CHANGER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNO, IN ACCORDANCE WITH ACI 308 SECTION 4.2A.
9. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO BOLTS SHALL BE WELDED TO CONCRETE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186 UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STAMPED. (A)X.

STRUCTURAL STEEL NOTES:

DETAILS 620

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 308, ACI 318, ACI 309, AND ACI 310.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A616, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186 UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STAMPED. (A)X.
4. THE FOLLOWING MANUAL CONCRETE COVER SHALL BE PROVIDED FOR:
 - CONCRETE CAST AGAINST EARTH..... 3 IN.
 - CONCRETE EXPOSED TO EARTH OR WEATHER..... 2 IN.
 - AS AND LARGER..... 2 IN.
 - AS AND SMALLER & WVF..... 1 1/2 IN.
 - CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND..... 3/4 IN.
 - SLAB AND WALL..... 3/4 IN.
 - BEAMS AND COLUMNS..... 1 1/2 IN.
5. A CHANGER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNO, IN ACCORDANCE WITH ACI 308 SECTION 4.2A.
6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO BOLTS SHALL BE WELDED TO CONCRETE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186 UNLESS OTHERWISE NOTED. WELDED WIRE FABRIC SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STAMPED. (A)X.

CONCRETE AND REINFORCING STEEL NOTES

102

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 - CONTRACTOR - ARCHITECT
 - SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 - OWNER - SINGULAR
 - OBID - ORIGINAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LOCAL ORDERS OF ANY PUBLIC AGENCY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
5. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATE INSTALLATION SHOWN APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND IT CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING UNDERGROUNDS, EXISTING CLASS, LANDSCAPING AND UTILITIES. ANY UNIDENTIFIED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
12. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 24792-00-0495-4002-0002, GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF CINGULAR GSM SITES.

DETAIL 623

ABBREVIATIONS & SYMBOLS

- ABBREVIATIONS**
- ASL ABOVE GRADE LEVEL
 - BTS BASE TRANSCIEVER STATION
 - EXS EXISTING
 - MAN MANHOLE
 - N.T.S. NOT TO SCALE
 - REF REFERENCE
 - RF RADIO FREQUENCY
 - T.B.D. TO BE DETERMINED
 - T.B.R. TO BE RECEIVED
 - TYP TYPICAL
 - REQ REQUIRED
 - EQD EQUIPMENT GROUND RING
 - AVG AMERICAN WIRE GAUGE
 - MSB MASTER GROUND BUS
 - EG EQUIPMENT GROUND
 - BCW BARE COPPER WIRE
 - SHD SMART INTEGRATED ACCESS DEVICE
 - GEN GENERATORS
 - IGR INTERIOR GROUND RING (HALL)
 - RBS RADIO BASE STATION

- SYMBOLS**
- SOLID GROUND BUS BAR
 - SUPPLEMENTAL GROUND CONDUCTOR
 - SOLID NEUTRAL BUS BAR
 - 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
 - SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
 - CHEMICAL GROUND ROD
 - GROUND ROD
 - DISCONNECT SWITCH
 - METER
 - CADWELD TYPE CONNECTION
 - COMPRESSION TYPE CONNECTION
 - GROUNDING WIRE

SITE WORK GENERAL NOTES:

DETAIL 619

TERRADON
 Engineering - Surveying - Landscape Architecture
 P.O. Box 518
 12533 Corner Road
 Ashland, KY 41102
 (606) 755-2621 FAX 755-2656
 www.terradon.com

CANNONSBURG
 SITE NO. WY902A
 12533 CORNER ROAD
 ASHLAND, KY 41102

cingular
 WIRELESS

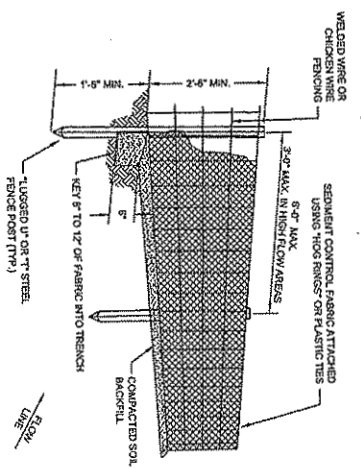
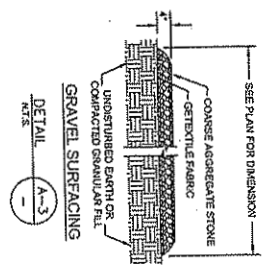
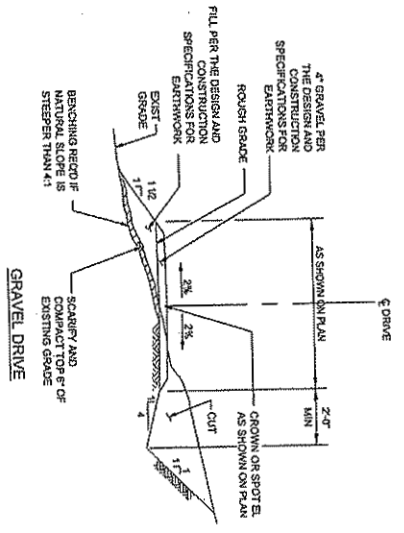
NO.	DATE	REVISIONS	ISSUED BY	SCALE	AS SHOWN
1	11-10-06	PRELIMINARY	WMI (GSP) BRT		
2	1-21-07	CHANGED TO MONOCORE	JES (GSP) BRT		

NO.	DATE	REVISIONS	ISSUED BY	SCALE	AS SHOWN
1	2-17-02	2-17-02	WV902-05		

CONSTRUCTION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS AND CODES:

- ASTM A36
- ASTM A505
- ASTM A616
- ASTM A186
- ACI 308
- ACI 318
- ACI 309
- ACI 310
- ACI 311
- ACI 312
- ACI 313
- ACI 314
- ACI 315
- ACI 316
- ACI 317
- ACI 318
- ACI 319
- ACI 320
- ACI 321
- ACI 322
- ACI 323
- ACI 324
- ACI 325
- ACI 326
- ACI 327
- ACI 328
- ACI 329
- ACI 330
- ACI 331
- ACI 332
- ACI 333
- ACI 334
- ACI 335
- ACI 336
- ACI 337
- ACI 338
- ACI 339
- ACI 340
- ACI 341
- ACI 342
- ACI 343
- ACI 344
- ACI 345
- ACI 346
- ACI 347
- ACI 348
- ACI 349
- ACI 350
- ACI 351
- ACI 352
- ACI 353
- ACI 354
- ACI 355
- ACI 356
- ACI 357
- ACI 358
- ACI 359
- ACI 360
- ACI 361
- ACI 362
- ACI 363
- ACI 364
- ACI 365
- ACI 366
- ACI 367
- ACI 368
- ACI 369
- ACI 370
- ACI 371
- ACI 372
- ACI 373
- ACI 374
- ACI 375
- ACI 376
- ACI 377
- ACI 378
- ACI 379
- ACI 380
- ACI 381
- ACI 382
- ACI 383
- ACI 384
- ACI 385
- ACI 386
- ACI 387
- ACI 388
- ACI 389
- ACI 390
- ACI 391
- ACI 392
- ACI 393
- ACI 394
- ACI 395
- ACI 396
- ACI 397
- ACI 398
- ACI 399
- ACI 400



SILT FENCE NOTES:

1. SILT FENCE IS A TEMPORARY SEDIMENTATION CONTROL MEASURE CONSISTING OF WOODEN OR OTHER FENCE POSTS, A SUPPORT SYSTEM, LEVEL, AND (2) REMAINS SUSPENDED SOIL PARTICLES FROM LEAVING THE CONSTRUCTION SITE.
2. SILT FENCE MAY BE INSTALLED WHERE SHEET PILE FLOW EROSION CONTROL AND SEDIMENTATION CONTROL ARE SWALES MAY DEVELOP.
3. THE TYPE OF SILT FENCE SPECIFIED SHOULD BE CONSIDERED WHEN ATTEMPTING TO CONTROL SHEET FLOW RUNOFF TO ACCOMPLISH THE TASK AT HAND. SPECIAL ATTENTION SHOULD BE GIVEN IN SELECTING THE PROPER SUPPORT SYSTEM AND THE GRADE OF GEOTEXTILE FILTER FABRIC.
4. THE PLOT LOCATION SHOULD BE ADJUSTED, AS NEEDED TO PROVIDE THE MOST EFFECTIVE CONTROL OF SHEET FLOW EROSION AND SEDIMENTATION.
5. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED TO INSURE THAT THE SILT FENCE CONTINUES TO OPERATE PROPERLY.
6. THE SILT FENCE GEOTEXTILE FILTER FABRIC SHALL BE REINFORCED WITH CONSTRUCTION HARDWARE CLOTH, STAPLE BAILS OR APPROVED EQUAL SUPPORTING FENCE POSTS SHALL BE SPECIFIED. THE GEOTEXTILE FILTER FABRIC SHALL BE FASTENED TO THE SUPPORTING FENCE POSTS ON THE UPRILL SIDE OF THE SLOPE.
7. BEFORE USING SILT FENCE AS A PERMANENT SEDIMENTATION CONTROL MEASURE, CONSIDERATION SHOULD BE GIVEN TO THE USE OF EXISTING VEGETATIVE BUFFER ZONES.
8. INSTALL ALONG A CONTOUR LINE, OF EQUAL ELEVATION ON A SLOPE WHERE SHEET FLOW MAY OCCUR. A MAXIMUM SHEET FLOW PATH OF 100 FEET TO THE SILT FENCE IS ALLOWED. SHEET FLOW UNDER THE SILT FENCE TO BE SPREAD AND DISPERSED. SHEET FENCE IN GENERAL WILL FAIL UNDER THE STRESS OF CONCENTRATED FLOWS. MAINTAIN 2:1 MAXIMUM SLOPE TO SILT FENCE.

CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)

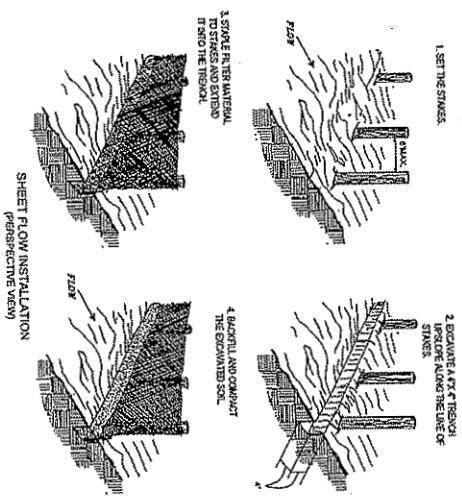


PLATE 3162

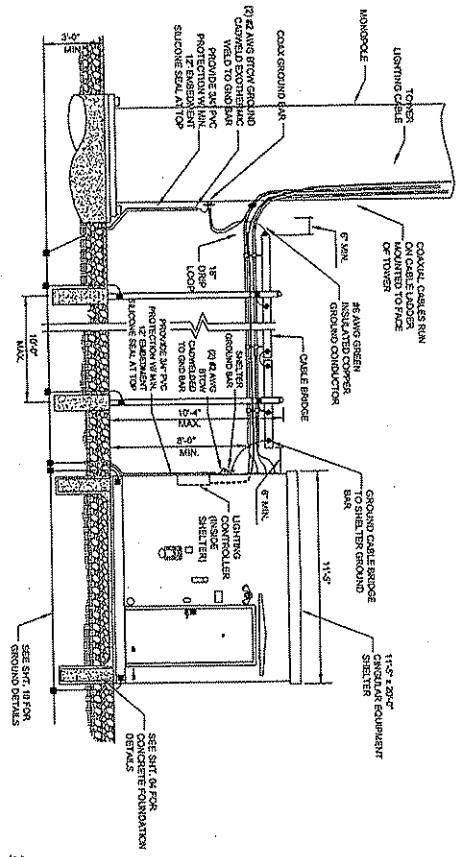
TERRADON
 Engineering - Consulting - Architecture
 1100 N. W. 5th St. 33144
 (304) 752-2321 FAX 752-2645
 www.terradon.com

CANNONSBURG
 SITE NO. W3902A
 12633 COPLEY ROAD
 ASHLAND, KY 41102

cingular
 WIRELESS

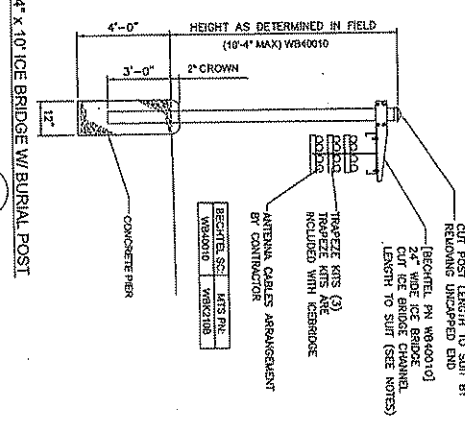
NO.	DATE	REVISIONS	ISSUED BY	DESIGNED BY	CHECKED BY	DATE
1	11-10-08	PRELIMINARY	BR	BR	BR	11-10-08
2	1-21-09	CONVERT TO LANDSCAPE	BR	BR	BR	1-21-09

CINGULAR WIRELESS	
CONSTRUCTION DETAILS	ISSUED TO: W3902-08
24792-421	BY: BR



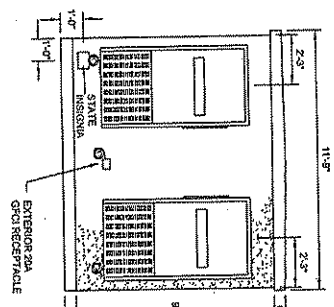
EQUIPMENT ELEVATION W/ GROUNDING

DETAIL 108W



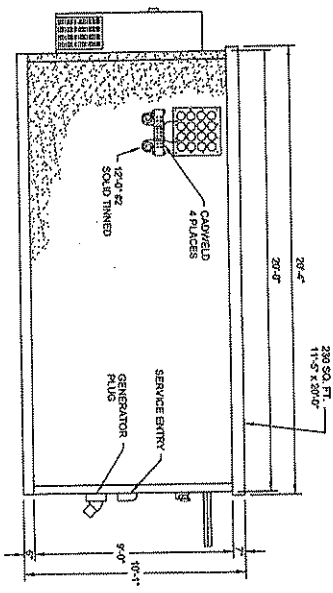
DETAIL 155A

- NOTES:
1. WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPALL BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 9 FEET FOR 10 FEET BRIDGE CHANNEL.
 2. WHEN USING COMPONENTS FOR SPURRING BRIDGE CHANNEL SECTIONS, THE SPURCE SHOULD BE PROVIDED AT THE SUPPORT IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.
 3. WHEN USING COMPONENTS SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CHANNELER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.
 4. CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TRIMMED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL OR EQUIVALENT FINISH.
 5. ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM OTHER MANUFACTURERS, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 6. DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
 7. DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.
 8. THE DESIGN IS BASED ON ASCE 7-98, 3 SECOND GUST WIND SPEED OF 110 MPH, EXPOSURE C, ELEVATION AT 8000.
 9. THIS DESIGN IS BASED ON 24\"/>

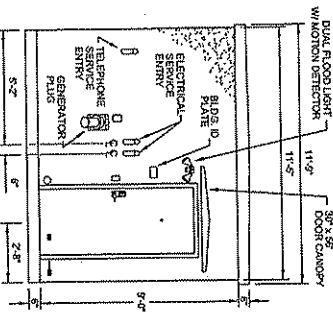


EQUIPMENT SHELLER ELEVATIONS

DETAIL D-8

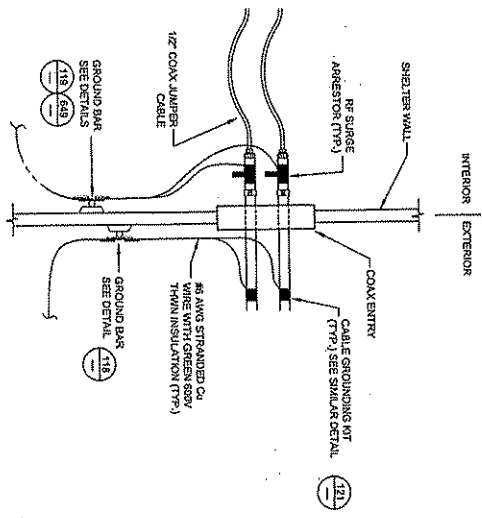


NOTE: GROUNDING BAR AND CANOPY ARE SHIPPED LOOSE WITH THE SHELTER (INSUFFLED BY G3)



EXTERIOR ANTENNA CABLE GROUNDING AT SHELTER COAX ENTRY PORT

DETAIL 126



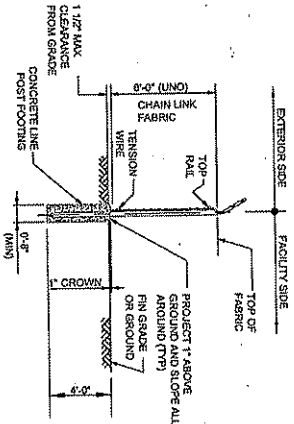
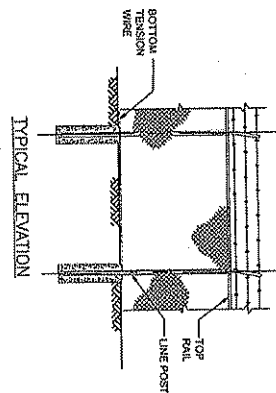
TERRADON
 Engineering - Construction - Architecture
 12500 W. 10th Street, Suite 100
 Overland Park, KS 66213
 (913) 251-1100
 www.terradon.com

CANNONSBURG
 SITE NO. WWS02A
 12633 COPLEY ROAD
 ASHLAND, KY 41102

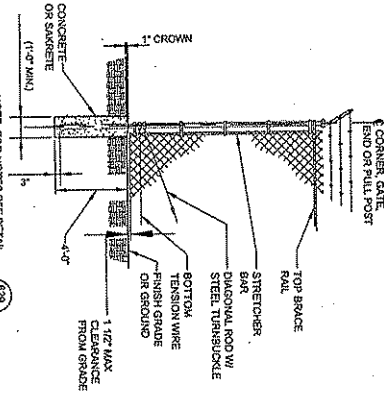
cingular
 WIRELESS

NO.	DATE	DESCRIPTION	DESIGNED BY	DATE
1	11-11-06	REVISED		
2	11-11-06	REVISED		
3	11-11-06	REVISED		
4	11-11-06	REVISED		
5	11-11-06	REVISED		
6	11-11-06	REVISED		
7	11-11-06	REVISED		
8	11-11-06	REVISED		
9	11-11-06	REVISED		
10	11-11-06	REVISED		

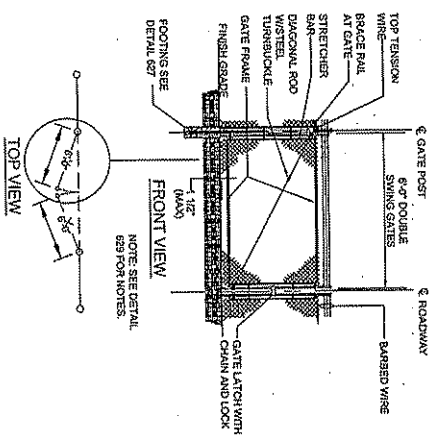
NO.	DATE	DESCRIPTION	DESIGNED BY	DATE
1	11-11-06	REVISED		
2	11-11-06	REVISED		
3	11-11-06	REVISED		
4	11-11-06	REVISED		
5	11-11-06	REVISED		
6	11-11-06	REVISED		
7	11-11-06	REVISED		
8	11-11-06	REVISED		
9	11-11-06	REVISED		
10	11-11-06	REVISED		



TYPICAL SECTION
WOVEN WIRE FENCE
DETAIL 626
NTS



WOVEN WIRE CORNER GATE,
END OR PULL POST
DETAIL 627
NTS



WOVEN WIRE SWING GATE, DOUBLE
DETAIL 628
NTS

- NOTES:**
- (INSTALL FENCING PER ASTM F-557, SWING GATES PER ASTM F-900)
- GATE POST CORNER, TERMINAL OR PULL POST SHALL BE 2 7/8\"/>
 - LINE POST: 2 3/8\"/>
 - GATE FRAME: 1 1/2\"/>
 - TOP RAIL & BRACE RAIL: 1 1/4\"/>
 - FABRIC: 9 GA. CORE WIRE SIZE 2\"/>
 - THE WIRE: MINIMUM 11 GA. GALVANIZED STEEL. INSTALL A SINGLE WRAP THE WIRE AT POSTS AND RAILS AT MAX. 24\"/>
 - TENSION WIRE: 7 GA. GALVANIZED STEEL.
 - BARBED WIRE: 3 STRANDS OF DOUBLE STRANDED 12-12 GAUGE TWISTED WIRE, 4 PT. BARBS SPACED ON APPROXIMATELY 7\"/>
 - GATE LATCH: 1-3/8\"/>
 - LOCAL ORDINANCE FOR BARBED WIRE PERMIT SHALL GOVERN INSTALLATION.
 - HEIGHT = 6\"/>
 - ALL WORK SHALL CONFORM WITH THE PROJECT SPECIFICATIONS.
 -
 -

WOVEN WIRE FENCING NOTES
DETAIL 629
NTS

TERRADON
Engineering - Surveying - Landscape Architecture
1810 West Virginia 23143
(252) 752-4231 FAX 752-2338
www.terradon.com

CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102

cingular
WIRELESS

NO.	DATE	REVISIONS	DESIGNED BY: WAD	DRAWN BY: WAD
1	3-21-07	CHANGED TO WIRELESS		
2	4-11-07	PROVIDED PERMITS		
3	5-1-07	REVISED PERMITS		
4	5-1-07	REVISED PERMITS		

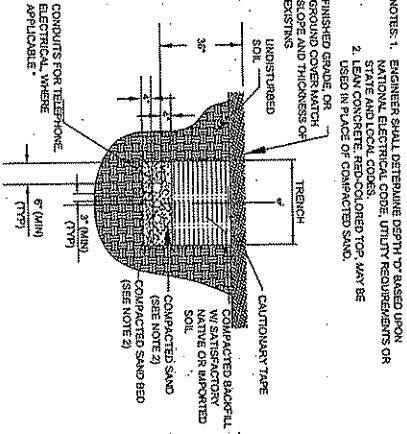
SCALE	AS SHOWN	24782-421	24782-421
DATE	3/21/07	WAD	WAD
PROJECT	CANNONSBURG	WV302-05	WV302-05
CLIENT	CINGULAR WIRELESS		
NO.	8		

ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT FITTINGS ARE SPECIFICALLY SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. WIRING, RACKWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELECOMMA.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELECOMMA.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STILE CABLE TRAY RUNS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOT), GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPES (3M BRAND, 1/2" HIGH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATINGS, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AIRFLOW RATINGS, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS.
9. ALL THE WIRES SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2 CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACKWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACKWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THIN OR THIN-2 CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION, WITH OUTER JACKET, LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE GRAB-STYLE COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
14. RACKWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, AWG/IEEE, AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
18. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND, DIRECT BURIED, IN AREAS OF COCSOSPICAL LIGHT VEHICLE TRAFFIC OR EXPOSED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
19. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
21. WASHERS, BOXES, AND WIRENUTS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, AWG/IEEE, AND NEC.
22. WIRENUTS SHALL BE EPOXY-COATED (GRAN) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS. SHALL BE PANOUT TYPE E (OR EQUAL), AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.

ELECTRICAL INSTALLATION NOTES (cont.)

23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING, SHALL MEET OR EXCEED UL 514 AND NEMA OS 1, AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2, AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TACKING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERT.

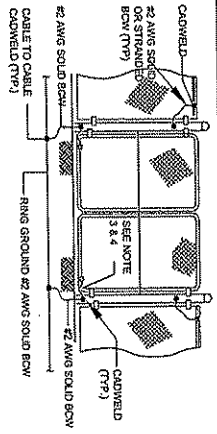


DETAIL 622

CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

DIRECT BURIED CONDUIT

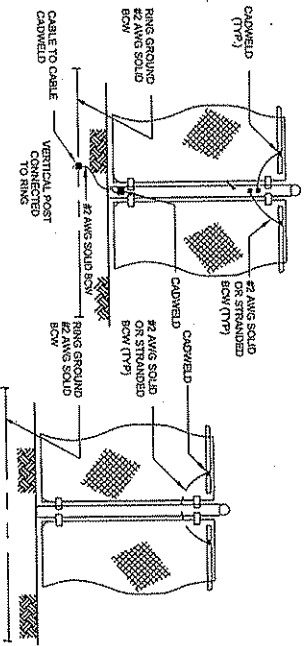
DETAIL 105



DETAIL 630

FENCE GATE GROUNDING

- NOTE:
1. VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST, AS A MINIMUM ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100' FOOT STRAIGHT RUN OF FENCE.
 2. HORIZONTAL POLES SHALL BE BONDED TO EACH OTHER, AND TO EACH HORIZONTAL POLE BRACE TO EACH OTHER AND TO EACH VERTICAL POST THAT IS BONDED TO THE EXTERIOR GROUND RING.
- NOTE:
1. THE #2 AWG BOW FROM THE RING GROUND SHALL BE REWELDED TO THE POST ABOVE GRADE.
 2. BOND EACH HORIZONTAL POLE BRACE TO EACH OTHER AND TO EACH VERTICAL POLE BONDED TO THE EXTERIOR GROUND RING.
 3. GATE LUMPER SHALL BE #10 AWG WELDING CABLE OR HEAVIER COPPER BRAD BURNDY TYPE 8 WITH SLEEVES ON EACH END DESIGNED FOR EXOTHERMIC WELDING.
 4. GATE LUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECT TO DAMAGING STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION.



DETAIL 631

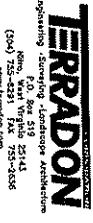
FENCE GROUNDING



CANNONSBURG
SITE NO. W4302A
 12633 COPLEY ROAD
 ASHLAND, NY 41102

NO.	DATE	ISSUED BY	REVISION	REASON FOR WID.	ISSUED BY WID.
8	3-31-07	AS	ISSUED SET		
7	11-14-06	WV	ISSUED SET		
6	11-14-06	WV	ISSUED SET		
5	11-14-06	WV	ISSUED SET		
4	11-14-06	WV	ISSUED SET		
3	11-14-06	WV	ISSUED SET		
2	11-14-06	WV	ISSUED SET		
1	11-14-06	WV	ISSUED SET		

NO.	DATE	ISSUED BY	REVISION	REASON FOR WID.	ISSUED BY WID.
8	2-4-02	WV	ISSUED SET		
7	2-4-02	WV	ISSUED SET		
6	2-4-02	WV	ISSUED SET		
5	2-4-02	WV	ISSUED SET		
4	2-4-02	WV	ISSUED SET		
3	2-4-02	WV	ISSUED SET		
2	2-4-02	WV	ISSUED SET		
1	2-4-02	WV	ISSUED SET		



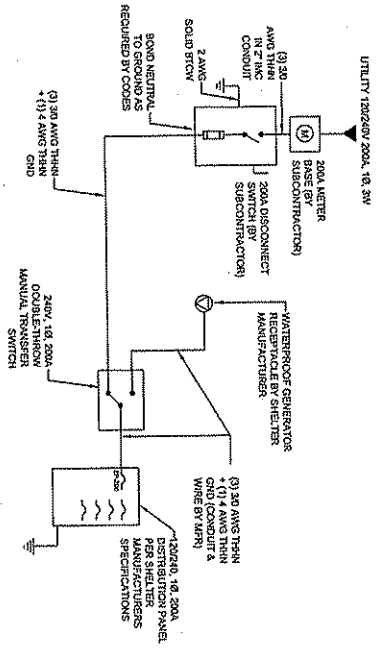
ERRADON
 Engineering - Drafting - Architecture
 1000 F.D. Hwy 510 22143
 (249) 752-4321 Fax 752-4336
 www.erradon.com

CINGULAR WIRELESS

ELECTRICAL NOTES & DETAILS

WORK NUMBER: W4302-09

SHEET: 8



- NOTES:
1. SUBCONTRACTOR SHALL PROVIDE 200AMP, SINGLE PHASE, 120/240 VAC, 60HZ SERVICE FOR SITE.
 2. SUBCONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY BEFORE THE START OF CONSTRUCTION. POWER AND TELEPHONE CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS.
 3. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY PANEL MANUFACTURER.
 4. SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.

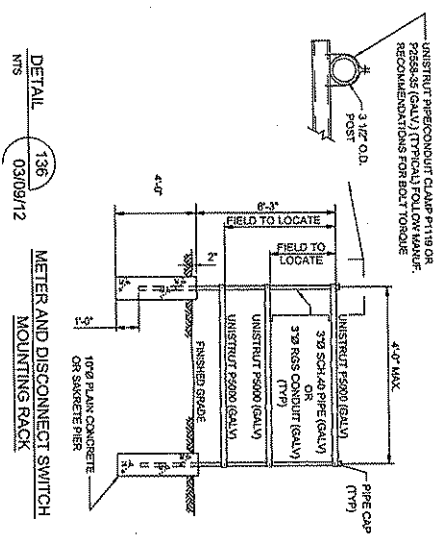
- NOTES:
1. COORDINATE WITH LOCAL TELCO UTILITY PRIOR TO PROCEEDING AND INSTALLATION OF BOX AND COMPONENTS.
 2. ALL MATERIAL SHALL MEET REQUIREMENTS OF LOCAL TELCO UTILITY.
 3. ITEM #1 SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. CONDUIT SURGE PROTECTION UNIT TO GROUND BAR WITH 80 AMP INSTALLED WIRE.
 4. COORDINATE SIZE, TYPE AND QUANTITY OF ITEMS #5 WITH LOCAL UTILITY.
 5. INSTALL ITEM #6 ONLY IF REQUIRED BY UTILITY. RECEPTACLE POWERED FROM SPARE BREAKER IN DISTRIBUTION PANEL.
 6. PULL 5 PAIR LOCKY PICK CABLES FROM HOFFMAN TELCO BOX TO SHELTER TELCO BOARD.

MATERIAL LIST:

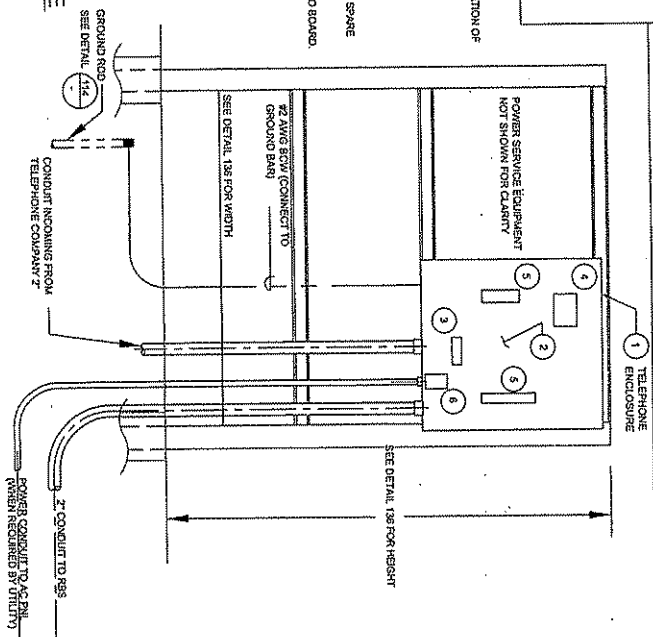
- ① 24" X 24" X 8" NEBA SR ENCLOSURE (HOFFMAN A, SERRAVALLO OR SIMILAR)
- ② 2" LYWOOD BACKBOARD, 18" X 18" X .58" THICK EXTERIOR GRADE
- ③ 3/4" ANCHORING BAR (1/4" X 1/2" NEWTON INSTRUMENT CO. CAT NO. B-6142 OR EQUAL WITH A GRIFF WALL BRACKET
- ④ 3" SURGE PROTECTION DEVICE (USE AC DATA SYSTEMS PART #110108)
- ⑤ 1 RECEPTACLE (30AMP)
- ⑥ 5P1 DUPLEX RECEPTACLE (120VAC/240V)

TELEPHONE DEMARCATION ENCLOSURE

DETAIL 642 11



DETAIL 136 03/09/12 METER AND DISCONNECT SWITCH MOUNTING RACK



TERADON
Engineering - Emerging Landscape Architecture
1200 W. 24th Ave
New York, NY 10011
(212) 724-3371 FAX 724-3344
www.teradon.com

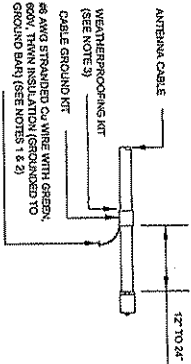
CANNONSBURG
SITE NO. WY302A
12633 COPLEY ROAD
ASHLAND, NY 11702



NO.	DATE	REVISIONS	ISSUED BY	DESIGNED BY
1	11-08-06	PRELIMINARY	WAL	DKM
2	1-31-07	CHANGED TO MONORAIL	WAL	DKM

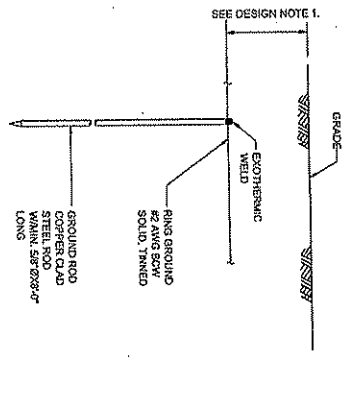
SCALE	AS SHOWN	DATE	BY	CHK	APP

CINGULAR WIRELESS
SINGLE LINE DIAGRAM & DETAILS
DATE: 2/7/02
WY302-10



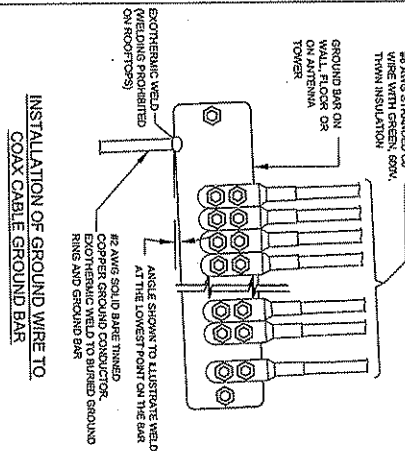
- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 - GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 - WEATHER PROPPING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

DETAIL 121
NTS



- NOTES:**
- DESIGN ENGINEER TO DETERMINE DIMENSION WHICH SHALL BE THE BELOW THE FROST LINE OR 18" MINIMUM.
 - GROUND ROD SHALL BE DRIVEN VERTICALLY; NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.

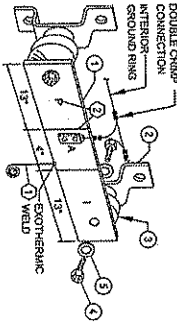
DETAIL 114
NTS



- NOTE:**
USE COVER WHICH DOES NOT REQUIRE TOOLS TO REMOVE.

DETAIL 118
NTS

NO.	REQ.	PART NO.	DESCRIPTION
1	14-7/8" X 3/8"	PIPE DRILLED END BAR	
2	A-4036	WALL MFG. BRKT.	
3	3931-4	INSULATORS	
4	3912-1	5/8" TYP. H.H.C.S.	
5	3915-6	5/8" LOCKWASHER	



FIELD GROUND CONDUCTORS TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "T" - SURGE PROTECTORS

- CABLE ENTRY PORTS (MATCH PLATES) (R2)
- GENERATOR FRAMEWORK (IF AVAILABLE) (R2)
- TELECO GROUND BAR (R2)
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (R2)
- 400V POWER SUPPLY NEUTRAL BAR (R2)
- RECEPTER FRAMES (IF AVAILABLE) (R2)
- COAX SUPPRESSION

SECTION "X" - SURGE ASSESSORS

- INTERIOR GROUND RING (R2)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (R2)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (R2)
- BUILDING STEEL (IF AVAILABLE) (R2)

SECTION "Y" - ISOLATED GROUND ZONE

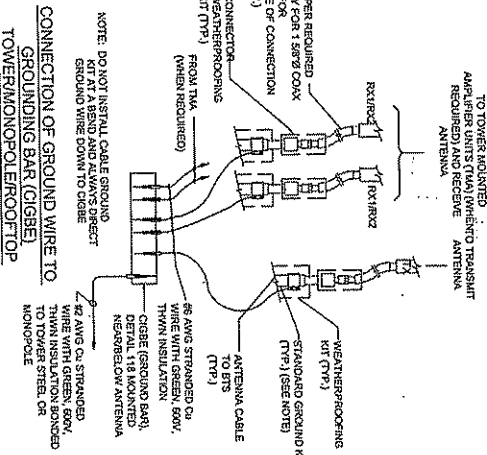
- ALL COMMUNICATIONS EQUIPMENT FRAMES.
- ISOLATED GROUND BAR - (ISB (R2))

DETAIL NOTES:

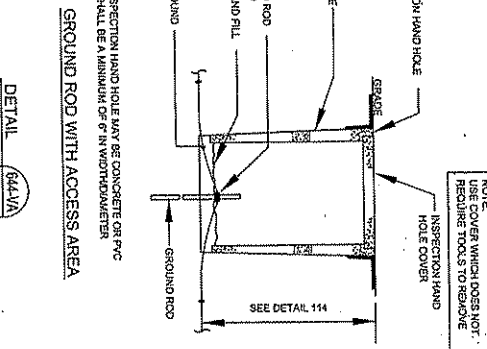
- EXOTHERMICALLY WELD #2 AWG BARE THINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- USE PERMANENT WELDER TO JOIN THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("T", "X", "Y") WITH "I" HIGH LETTERS.

(R2) REFERENCE GROUND BAR - DETAIL

DETAIL 119
NTS



DETAIL 122
NTS



DETAIL 644/A
NTS

TERRADON
Engineering - Surveying - Landscape Architecture
1310 West Valley Road
Cannonsburg, KY 40302
(502) 756-2231 FAX 756-2358
www.terradon.com

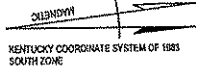
CANNONSBURG
SITE NO. WV3022A
13253 COPLEY ROAD
ASHLAND, KY 41102

cingular
WIRELESS

NO.	DATE	BY	REVISION
1	11-10-06	WJ	ISSUED FOR PERMITTING
2	11-10-06	WJ	REVISED PER MARK

NO.	DATE	BY	REVISION
1	11-10-06	WJ	ISSUED FOR PERMITTING
2	11-10-06	WJ	REVISED PER MARK

SCALE: AS SHOWN
CANNONSBURG, KY
NOV 1 2006



HINTON ENTERPRISES, LLC
 D.B. 682 PG. 369
 016-01-00-061

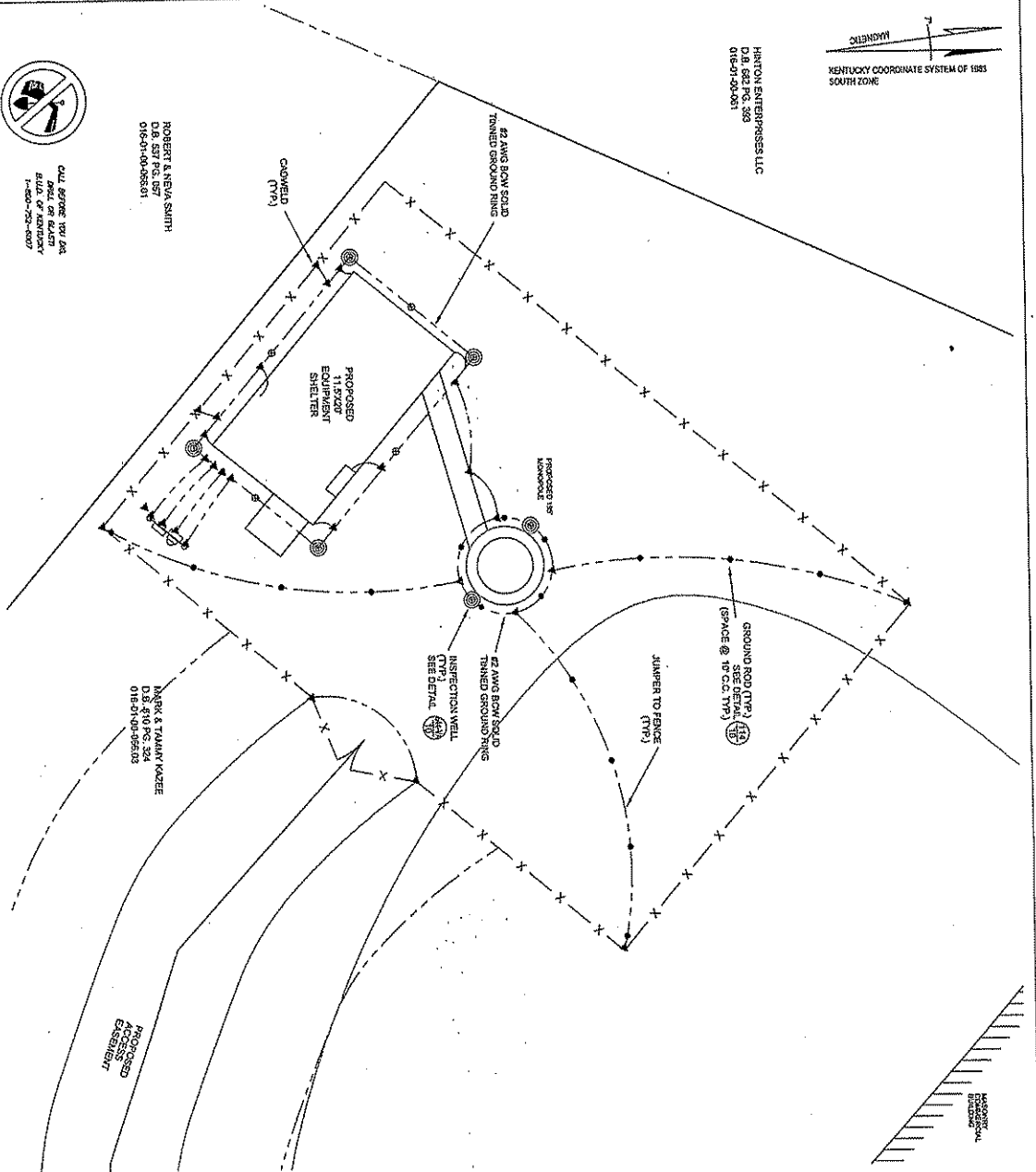


CALL BEFORE YOU DIG
 TO AVOID DAMAGE TO
 UNDERGROUND UTILITIES
 1-800-485-4007

ROBERT K. NEJA, SMITH
 D.B. 507 PG. 97
 016-01-00-068.01

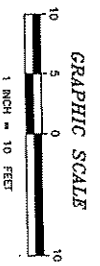
TERRADON
 Engineering, Surveying, Landscape Architecture
 1100 West Virginia 21143
 (202) 755-8251 FAX 755-7385
 www.terradon.com

CANNONSBURG
 SITE NO. WV302A
 12633 COPLEY ROAD
 ASHLAND, KY 41102



GROUNDING NOTES

1. ALL GROUND ELECTRICAL SYSTEMS INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR EARLY TESTING PER IEEE 180 AND 811 FOR GROUND ELECTRICAL RESISTANCE AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE OR LARGER FOR OUTDOOR BITS.
5. METAL RACKWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO THIS EQUIPMENT.
6. EACH BITE CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN #2 AWG STRANDED COPPER FOR OUTDOOR BITS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/ROUND BARS AND THE GROUND RING SHALL BE #2 AWG SOLID THINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORGED USING HIGH PRESS CHIRUPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED APPROXIMATE CONTACTS (I.E. CONDUCTIVE GEL, OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND WIRES WITH #4 AWG TRIP-LATED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR. SUCH AS METALLIC HOUSINGS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS AND CEILING. METALLIC MATERIAL, SUCH AS HOUSING IN CONDUIT, SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G. NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.



DETAIL 621

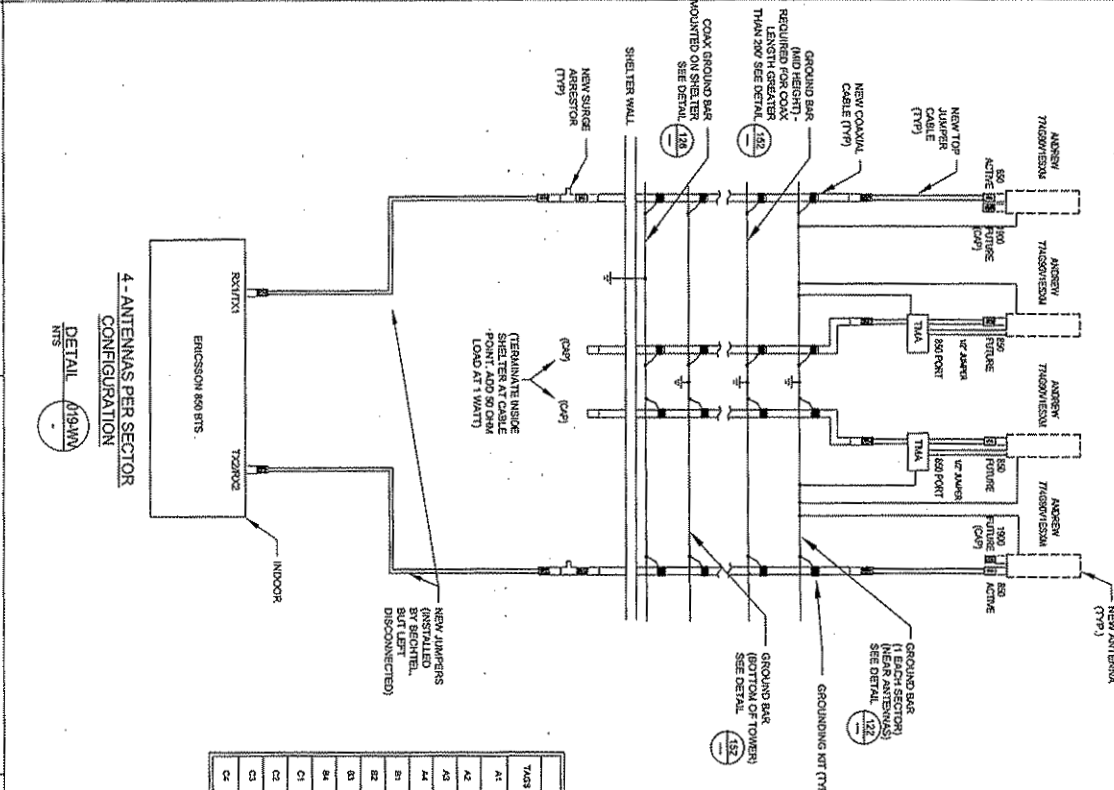
NO.	DATE	DESCRIPTION	BY	CHKD BY	SCALE	AS SHOWN
1	11-10-08	ISSUED TO WORKSITE	K.S. (SPT) RIT			
2	11-10-08	REVISION	KON (SPT) RIT			

24782-421	WV302-12
-----------	----------



REVISED BY	DATE	REASON FOR REV.

CINGULAR WIRELESS
 ANTENNA SCHEMATIC & DETAILS
 WVD00-13



4 - ANTENNAS PER SECTOR
 CONFIGURATION
 DETAIL 019-WV
 NTS

ANTENNA AND COAXIAL CABLE SCHEDULE

TAB	SECTION	ANTENNA TYPE	ANTENNA SERIAL NUMBER	WIND DOWN 1/2"	DOWN TOWER	ANTENNA TYP HEIGHT	CABLE SERIAL NUMBER	COAXIAL CABLE	TOP JUMPER	BOTTOM JUMPER	COLOR CODE	TAIL TYPE	DC BLOCK
A1	1	THROUVESSA (48V12K52)		60°	180	183	215	ANDERSON AWA-120P	071208	071208	1 GREEN STRIKE	SPV112 TMI	N
A2	1	THROUVESSA (48V12K52)		60°	180	183	215	ANDERSON AWA-120P	071208	071208	2 GREEN STRIKES	SPV112 TMI	N
A3	1	THROUVESSA (48V12K52)		60°	180	183	215	ANDERSON AWA-120P	071208	071208	3 GREEN STRIKES	SPV112 TMI	N
B1	1	THROUVESSA (48V12K52)		160°	180	183	215	ANDERSON AWA-120P	071208	071208	4 GREEN STRIKES	SPV112 TMI	N
B2	2	THROUVESSA (48V12K52)		160°	180	183	215	ANDERSON AWA-120P	071208	071208	1 BLUE STRIKE	SPV112 TMI	N
B3	2	THROUVESSA (48V12K52)		160°	180	183	215	ANDERSON AWA-120P	071208	071208	2 BLUE STRIKES	SPV112 TMI	N
B4	2	THROUVESSA (48V12K52)		160°	180	183	215	ANDERSON AWA-120P	071208	071208	3 BLUE STRIKES	SPV112 TMI	N
C1	3	THROUVESSA (48V12K52)		300°	180	183	215	ANDERSON AWA-120P	071208	071208	1 WHITE STRIKE	SPV112 TMI	N
C2	3	THROUVESSA (48V12K52)		300°	180	183	215	ANDERSON AWA-120P	071208	071208	2 WHITE STRIKES	SPV112 TMI	N
C3	3	THROUVESSA (48V12K52)		300°	180	183	215	ANDERSON AWA-120P	071208	071208	3 WHITE STRIKES	SPV112 TMI	N

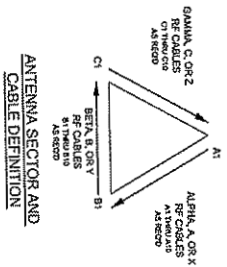
- NOTES:**
- ALL MATERIALS ON THE ABOVE TABLE SHALL BE PROVIDED BY THE CONTRACTOR TO THE SUBCONTRACTOR FOR INSTALLATION.
 - SUBCONTRACTOR SHALL AS-BUILT CABLE LENGTHS AND PROVIDE ANTENNA SERIAL NUMBERS ON RED-LINED DRAWINGS.
 - ANTENNAS SHALL BE PROVIDED AND INSTALLED WITH DOWNLIFT BRACKETS AND HEAVY DUTY CLAMPS SUPPLIED BY ANTENNA MANUFACTURER.
 - FOLLOW DETAIL FOR CINGULAR COAX COLOUR CODING.
 - COAX GROUND NETS, COAX WEATHER PROTECTING SNAP-IN WAGERS CLAMPS AND HOUSTING GRIPS SHALL BE PROVIDED BY THE CONTRACTOR TO THE SUBCONTRACTOR FOR INSTALLATION.

NOTES:

1. SECTOR ORIENTATION/QUANTITY WILL VARY FROM REGION TO REGION AND IS SITE SPECIFIC. REFER TO RF REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
2. THE TERRADON IS BASED ON EIGHT COLORED JAYS-RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, WHITE AND SLATEGREY. THESE TYPES SHOULD BE READILY AVAILABLE TO THE ELECTRICAL OR CONTRACTOR ON SITE.
3. USING COLOR BANDS ON THE CABLES, LIST ALL RF CABLE BY SECTORS AND CABLE NUMBER AS SHOWN ON CABLE MARKING COLOR CONVENTION TABLE.
4. ALL COLOR CODE TYPE SHALL BE 3/8" X 3/4" AND SHALL BE INSTALLED USING A MINIMUM OF FIVE WRAPS OF TAPE AND SHALL BE NEATLY TROWED AND SMOOTHED FOR SO AS TO AVOID UNDESIRABLE.
5. ALL COLOR BANDS INSTALLED AT THE TOWER TOP SHALL BE A MINIMUM OF 2" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACING BETWEEN EACH COLOR.
6. ALL COLOR BANDS INSTALLED AT OR NEAR THE GROUND SHALL BE A MINIMUM OF 2" WIDE.
7. ALL COLORED CODES SHALL BE INSTALLED SO AS TO ALSO NEATLY WITH ONE ANOTHER FROM SECTORS.

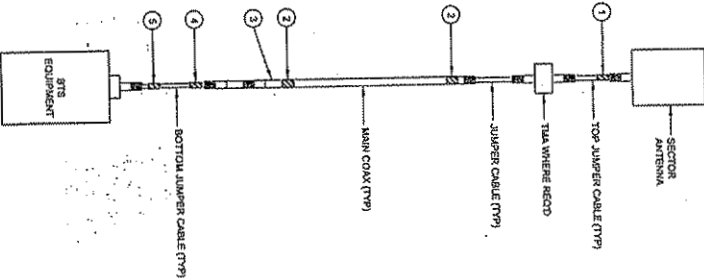
ALL RF CABLE SHALL BE MARKED AS PER CABLE MARKING LOCATIONS TABLE BELOW:

NO.	TYPE	TRIS	LOCATIONS
1.	X		EACH TOP JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3 WIDE BANDS
2.	X		EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3 WIDE BANDS NEAR THE TOWER OR TRANSMITTER BUILDING.
3.	X		CABLE ENTRY POINT ON THE INTERIOR OF THE SHED, IF SHED IS USED
4.	X		ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 2" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER
5.	X		BASE OF TOWER
6.	*		ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
8.	*		(* DENOTES IMAGINARY)

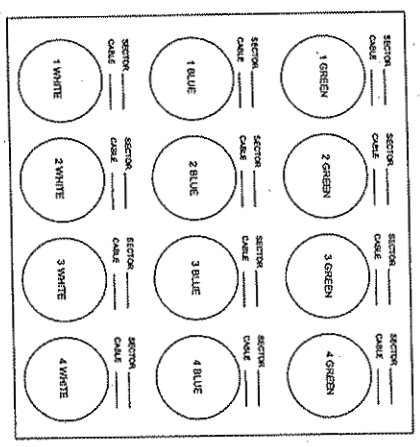


SECTOR	CABLE	1 GREEN	2 GREEN	3 GREEN	4 GREEN
SECTOR ALPHA A, X	CABLE A1	CABLE A2	CABLE A3	CABLE A4	CABLE A5
SECTOR BETA B, Y	CABLE B1	CABLE B2	CABLE B3	CABLE B4	CABLE B5
SECTOR GAMMA C, Z	CABLE C1	CABLE C2	CABLE C3	CABLE C4	CABLE C5

CABLE MARKING LOCATIONS DIAGRAM



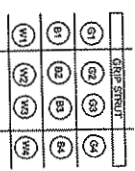
CABLE PORT DIAGRAM



COAXIAL LADDER ASSIGNMENT

- LEFT TO RIGHT FACING LADDER (LEFT LAYER ADJACENT LADDERS)
- (B1) (B2) (W1) (W2) (W3) (W4)
- LEFT TO RIGHT FACING LADDER (OUTSIDE LAYERS)
- (G1) (G2) (G3) (G4) (G5) (G6)

COAXIAL ORIENTATION ON TRAPEZE



COAXIAL LADDER ASSIGNMENT

- LEFT TO RIGHT FACING TOWERS
- (G1) (G2) (G3) (G4) (G5) (G6) (G7) (G8) (G9) (G10) (G11) (G12) (G13) (G14) (G15) (G16) (G17) (G18) (G19) (G20)

TERRADON
 Engineering & Construction Architecture
 1100 N. 11th St. Ste. 200
 Phoenix, AZ 85006
 (602) 725-4333 Fax: 725-2835
 www.terraddon.com

CANNONSBURG
 SITE NO. WV302A
 12633 CORLEY ROAD
 KENTON, KY 41102



NO.	DATE	REVISION	BY	CHKD BY	APP'D BY
1	11-13-07	ISSUED TO WORK	ASD	CPJ	ST
2	11-13-07	REVISION	ASD	CPJ	ST
3	11-13-07	REVISION	ASD	CPJ	ST
4	11-13-07	REVISION	ASD	CPJ	ST
5	11-13-07	REVISION	ASD	CPJ	ST
6	11-13-07	REVISION	ASD	CPJ	ST
7	11-13-07	REVISION	ASD	CPJ	ST
8	11-13-07	REVISION	ASD	CPJ	ST
9	11-13-07	REVISION	ASD	CPJ	ST
10	11-13-07	REVISION	ASD	CPJ	ST
11	11-13-07	REVISION	ASD	CPJ	ST
12	11-13-07	REVISION	ASD	CPJ	ST
13	11-13-07	REVISION	ASD	CPJ	ST
14	11-13-07	REVISION	ASD	CPJ	ST
15	11-13-07	REVISION	ASD	CPJ	ST
16	11-13-07	REVISION	ASD	CPJ	ST
17	11-13-07	REVISION	ASD	CPJ	ST
18	11-13-07	REVISION	ASD	CPJ	ST
19	11-13-07	REVISION	ASD	CPJ	ST
20	11-13-07	REVISION	ASD	CPJ	ST
21	11-13-07	REVISION	ASD	CPJ	ST
22	11-13-07	REVISION	ASD	CPJ	ST
23	11-13-07	REVISION	ASD	CPJ	ST
24	11-13-07	REVISION	ASD	CPJ	ST
25	11-13-07	REVISION	ASD	CPJ	ST
26	11-13-07	REVISION	ASD	CPJ	ST
27	11-13-07	REVISION	ASD	CPJ	ST
28	11-13-07	REVISION	ASD	CPJ	ST
29	11-13-07	REVISION	ASD	CPJ	ST
30	11-13-07	REVISION	ASD	CPJ	ST
31	11-13-07	REVISION	ASD	CPJ	ST
32	11-13-07	REVISION	ASD	CPJ	ST
33	11-13-07	REVISION	ASD	CPJ	ST
34	11-13-07	REVISION	ASD	CPJ	ST
35	11-13-07	REVISION	ASD	CPJ	ST
36	11-13-07	REVISION	ASD	CPJ	ST
37	11-13-07	REVISION	ASD	CPJ	ST
38	11-13-07	REVISION	ASD	CPJ	ST
39	11-13-07	REVISION	ASD	CPJ	ST
40	11-13-07	REVISION	ASD	CPJ	ST
41	11-13-07	REVISION	ASD	CPJ	ST
42	11-13-07	REVISION	ASD	CPJ	ST
43	11-13-07	REVISION	ASD	CPJ	ST
44	11-13-07	REVISION	ASD	CPJ	ST
45	11-13-07	REVISION	ASD	CPJ	ST
46	11-13-07	REVISION	ASD	CPJ	ST
47	11-13-07	REVISION	ASD	CPJ	ST
48	11-13-07	REVISION	ASD	CPJ	ST
49	11-13-07	REVISION	ASD	CPJ	ST
50	11-13-07	REVISION	ASD	CPJ	ST

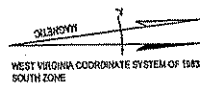
CINGULAR WIRELESS

COAX COLOR CODING

24782-421

WV002-14

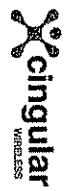
B



120 0 120 240
 0 120 240
 SITE PLAN
 SCALE 1" = 120'

TERRADON
 Engineering & Surveying
 P.O. Box 518
 12633 COPLEY ROAD
 ASHLAND, KY 41102
 www.terradon.com

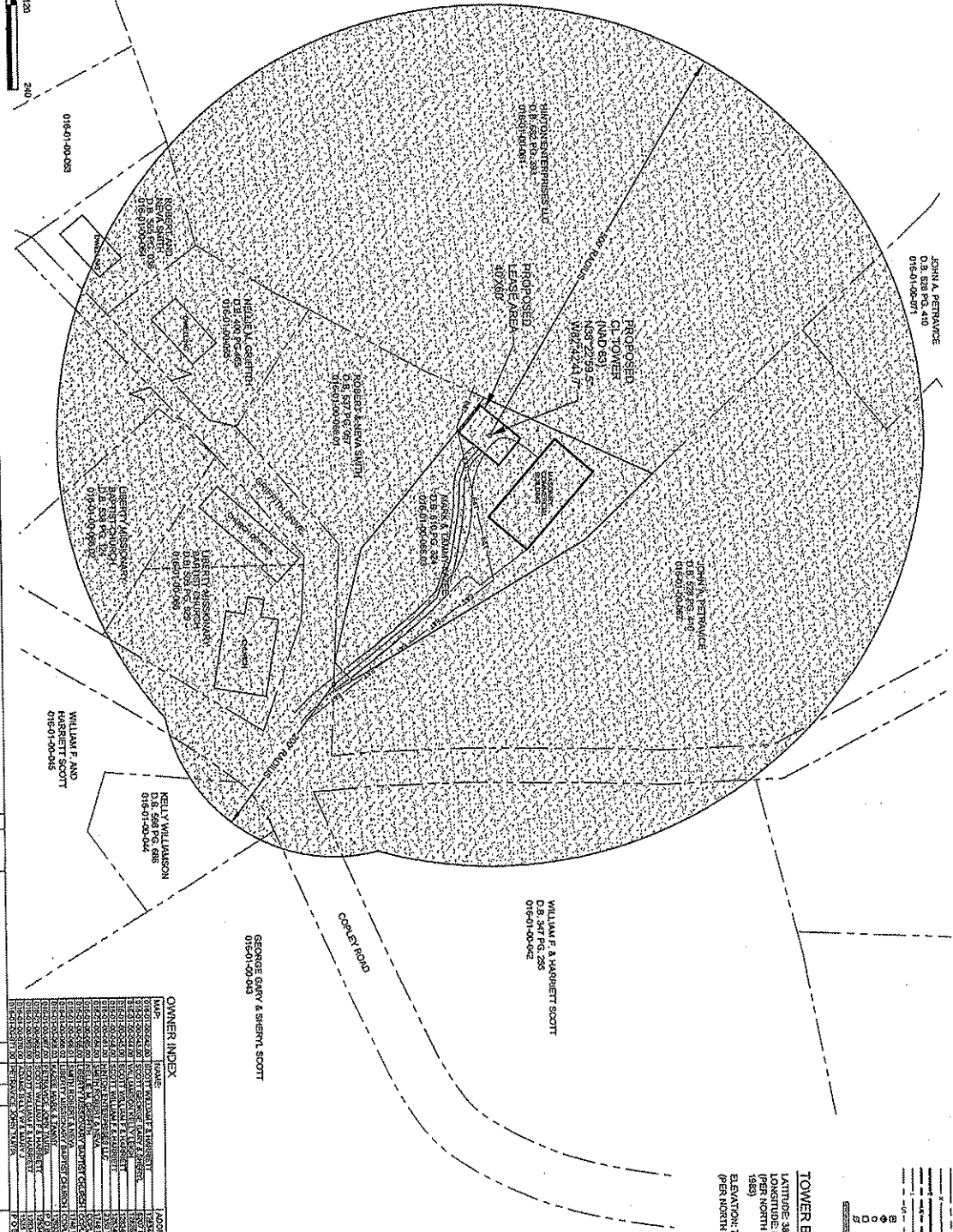
CANNONSBURG
 SITE NO. WV302A
 12633 COPLEY ROAD
 ASHLAND, KY 41102



NO.	DATE	REVISIONS	BY	CHK
1	11-08-06	REGULATOR		
2				
3				
4				
5				
6				
7				
8				
9				
10				

SCALE	AS SHOWN	REVISION	BY	CHK

NO.	DATE	REVISIONS	BY	CHK
1	2/7/02	4-21		
2				
3				
4				
5				
6				
7				
8				
9				
10				



LEGEND:

- PROPERTY LINE
- EXISTING TRUCK LANE
- EXISTING ELECTRIC
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- FORD MONUMENTARY
- CALCULATED POINT
- TELEPHONE OR ELECTRIC RISER
- CONCRETE PILE

TOWER BASE:
 LATITUDE 38°22'29.5" N
 LONGITUDE 84°42'42.5" W
 1983 NORTH AMERICAN DATUM OF 1983
 ELEVATION 778'
 1983 NORTH AMERICAN VERTICAL DATUM OF 1983



OWNER INDEX

MAP NUMBER	OWNER	ADDRESS	CITY	STATE	ZIP
016-01-00-001	JOHN A. PETRANCE	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-002	WILLIAM F. & HARBRETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-003	GEORGE GARY & SHERRI SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-004	KELLY WILLIAMSON	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-005	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-006	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-007	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-008	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-009	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-010	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-011	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-012	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-013	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-014	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-015	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-016	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-017	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-018	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-019	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-020	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-021	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-022	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-023	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-024	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-025	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-026	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-027	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-028	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-029	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-030	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-031	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-032	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-033	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-034	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-035	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-036	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-037	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-038	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-039	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-040	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-041	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-042	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-043	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-044	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-045	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-046	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-047	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-048	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-049	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102
016-01-00-050	LIBERTY ASSOCIATES	12633 COPLEY ROAD	ASHLAND	KY	41102

**FOUNDATION INVESTIGATION
CANNONBURG CELL TOWER SITE
BOYD COUNTY, KENTUCKY**

NOVEL GEO-ENVIRONMENTAL PROJECT NO. W06086

SUBMITTED TO:

**TERRADON CORPORATION
NITRO, WEST VIRGINIA**

SUBMITTED BY:

**NOVEL GEO-ENVIRONMENTAL, PLLC
ST. ALBANS, WEST VIRGINIA**

NOVEMBER 2006



Novel Geo-Environmental, PLLC

806 B Street • St. Albans, WV 25177
304-201-5180 • Fax 304-201-5182

November 29, 2006

Mr. Curtis Paxton
Terradon Corporation
P.O. Box 519
Nitro, WV 25143

Subject: **FOUNDATION INVESTIGATION**
Proposed Cannonsburg Tower Site
Boyd County, Kentucky
Novel Geo-Environmental Project No. W06086

Dear Mr. Paxton:

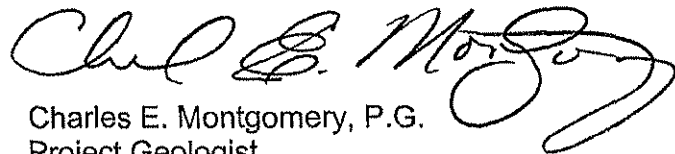
In accordance with your request, we have performed a foundation investigation for the proposed Cannonsburg tower site located in Boyd County, Kentucky. Authorization to proceed with this project was provided by Terradon Purchase Order No. 4549.

This report presents the results of the field investigation performed to determine the subsurface conditions, as well as our conclusions and recommendations concerning site development and the foundations for the tower structure.

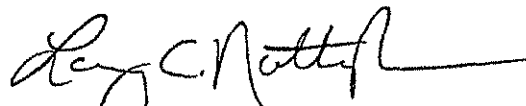
We appreciate the opportunity to assist you on this project and trust this report satisfies your needs at this time. Please feel free to contact us if you have any questions concerning this report, or if we can provide any further assistance.

Sincerely,

NOVEL GEO-ENVIRONMENTAL, PLLC



Charles E. Montgomery, P.G.
Project Geologist



Larry C. Nottingham, P.E.
Senior Engineer

TABLE OF CONTENTS

1.0 PROJECT DESCRIPTION 1

2.0 DRILLING AND SAMPLING PROCEDURES 1

3.0 SUBSURFACE CONDITIONS 2

 3.1 SOIL AND BEDROCK CONDITIONS 2

 3.2 GROUNDWATER CONDITIONS 2

4.0 CONCLUSIONS AND RECOMMENDATIONS 3

 4.1 SITE PREPARATION RECOMMENDATIONS 3

 4.2 FILL AND BACKFILL RECOMMENDATIONS 3

 4.3 EXCAVATION CONSIDERATIONS 3

 4.4 FOUNDATION RECOMMENDATIONS 4

 4.4.1 SETTLEMENT CONSIDERATIONS 5

 4.6 ENGINEERING INSPECTIONS AND QUALITY ASSURANCE 5

5.0 LIMITATIONS 6

FIGURES

1.0 PROJECT DESCRIPTION

The foundation investigation was performed for a proposed communications tower to be constructed near Cannonsburg in Boyd County, Kentucky. The purpose of the investigation was to determine subsurface conditions and provide foundation design recommendations. The proposed tower site is situated on a grass covered hilltop located off Copley Road. According to information provided by the client, the proposed tower will be a 250 ft. tall three-legged self-support lattice structure located within an enclosed compound. Based on the relatively flat ground surface and drawings provided, little to no grading work will be required to develop the site.

2.0 DRILLING AND SAMPLING PROCEDURES

One test boring was drilled at the proposed tower center to evaluate subsurface conditions at the site. The boring was extended to a depth of 30.5 ft. below the ground surface. The center of the tower had been previously staked by the client. A site plan showing the boring location is provided on Figure No. 1.

The test boring was drilled using a track-mounted rotary drilling rig equipped with 3-1/4 inch I.D. hollow stem augers. Standard penetration testing and sampling was performed at 2.5 ft. intervals from the ground surface to a depth of 10 ft. and 5 ft. intervals thereafter to the termination depth. The standard penetration testing and sampling was performed in accordance with ASTM D-1586.

Standard penetration testing is performed by driving a 2.0 inch O.D. split-barrel sampler into the soil with a 140-lb. hammer dropping a distance of 30 inches. The sampler is driven a distance of 18 inches in three 6-inch increments, and the number of blows required to produce the last two 6-inch increments of penetration is termed the Standard Penetration Number or "N" value. These values provide an indication of the consistency or relative density of the soil/rock.

A 1-3/8 inch diameter soil/rock sample was obtained from the boring in conjunction with each penetration test. All standard penetration samples were placed in air-tight glass jars. Upon completion of drilling, all samples were delivered to our

laboratory for further examination. Soil and rock descriptions, standard penetration numbers, and other pertinent subsurface information are provided on the boring log (Figure No. 2).

3.0 SUBSURFACE CONDITIONS

A test boring log providing detailed information at the boring location is located in the back of this report (Figure No. 2). A summary of the subsurface conditions encountered in the test boring follows:

3.1 SOIL AND BEDROCK CONDITIONS

Approximately 6 inches of topsoil were encountered at the ground surface in Boring B-1. Beneath the topsoil, soil overburden consisted of very stiff to hard natural silty clay. The silty clay was underlain by claystone bedrock at a depth of approximately 3.5 ft. The claystone bedrock was visually characterized as extremely soft and completely weathered. The claystone graded into very soft weathered shale at a depth of approximately 7.5 ft. The shale was underlain by soft to medium hard siltstone at a depth of 24.5 ft. Soft weathered shale was again encountered at the termination depth of the boring.

3.2 GROUNDWATER CONDITIONS

The boring was noted to be dry during drilling operations and shortly following boring completion. It should be noted that groundwater levels typically fluctuate and are generally dependent upon climatic conditions. Groundwater conditions at the time of construction may differ from those observed during our investigation. The boring was backfilled with auger cuttings upon completion of drilling.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 SITE PREPARATION RECOMMENDATIONS

All vegetation and topsoil should be removed prior to beginning site grading. Any underground utility lines located in the structure area should be removed and/or relocated. All voids created by removal of underground items should be properly backfilled in accordance with Section 4.2 of this report. Adequate surface water drainage should be provided during construction and after construction is completed. The site should be graded such that surface water flows away from structures. Soil should slope away from structures at a minimum ten percent slope for at least 10 ft. from the foundations.

4.2 FILL AND BACKFILL RECOMMENDATIONS

Any fill or backfill required should be placed in maximum 8 inch loose lifts and compacted to 95% of the maximum dry density as determined by the standard Proctor laboratory test (ASTM D-698). Each layer of fill or backfill should be tested by a qualified geotechnical engineering firm to determine that adequate compaction has been achieved prior to placement of additional fill lifts. Fill or backfill should consist of non-organic soil/rock material with a maximum particle size of 4 inches in any direction. The moisture content of fill material should be within three percent of the optimum moisture content as determined by a standard Proctor test.

4.3 EXCAVATION CONSIDERATIONS

Any excavation in which workers are required to enter must be properly shored or sloped in accordance with OSHA regulations. Any water which collects within excavations should be promptly removed by pumping from a strategically located sump(s). Excess material generated by site excavation should be hauled offsite and disposed of in an appropriate waste area.

4.4 FOUNDATION RECOMMENDATIONS

We recommend the tower structure be supported on drilled concrete caissons socketed into bedrock a minimum depth of 25 ft. below the existing ground surface. We recommend an allowable tip bearing pressure of 25 ksf be used to design the caissons socketed into the bedrock as recommended. All caissons should be plumb to within two percent of their length. Following completion of the rock socket drilling, the caisson bottom should be thoroughly cleaned such that no excessive amount of sediment, soil, or loose rock is present prior to placement of steel reinforcement and concrete. The bottom of each caisson should be inspected immediately prior to placing concrete by a qualified geotechnical engineer. We recommend concrete be placed within 48 hours of completion of drilling to reduce softening of the rock bearing surface.

Concrete placement under dry conditions can be by a free-fall method with the concrete carefully directed down the center of the caisson without striking the casing, the reinforcing steel, or the sides of the rock socket. Concrete with a slump of 4 to 7 inches is recommended for use in caissons constructed by the dry method. At the time of concrete placement, the depth of water in the bottom of the rock socket should not exceed two inches.

In addition to providing resistance to compressive forces, the caisson foundation system must also resist uplift forces from overturning wind loads. We recommend the following formula be used to calculate the uplift resistance of the foundations:

$$T = (F_t) \times (A_s) + W_f$$

Where:

T = Ultimate Uplift Capacity (lbs)

F_t = Skin Friction of Bedrock Socket in Tension (psf)

A_s = Caisson Bedrock Socket Surface Area (sq. ft.)

$$A_s = \pi DL_s$$

Where $\pi = 3.14$, D = Diameter of rock socket, L_s = Length of rock socket

W_f = Weight of the Caisson Foundation (lbs.)

Only the portion of the caisson socketed into the shale and siltstone (below a depth of 7.5 ft.) should be considered when calculating uplift resistance (i.e., uplift resistance provided from the ground surface to a depth of 7.5 ft. should be neglected). We recommend a factor of safety of at least 2.0 be applied to the ultimate uplift capacity calculated using the above formula. We recommend an ultimate skin friction value (F_s) of 1,500 psf for the portion of the concrete caisson socket into shale/siltstone bedrock (below a depth of 7.5 ft.).

When analyzing lateral pile resistance and displacement, we recommend the following values of lateral modulus of subgrade reaction (K_s) be used:

Soil Overburden: $K_s = 100$ kcf
Bedrock: $K_s = 2,000$ kcf

4.4.1 SETTLEMENT CONSIDERATIONS

As discussed in the previous sections, we recommend all foundations for the project be constructed to bear on bedrock. Total and differential settlement of foundations constructed to bear on bedrock should be negligible.

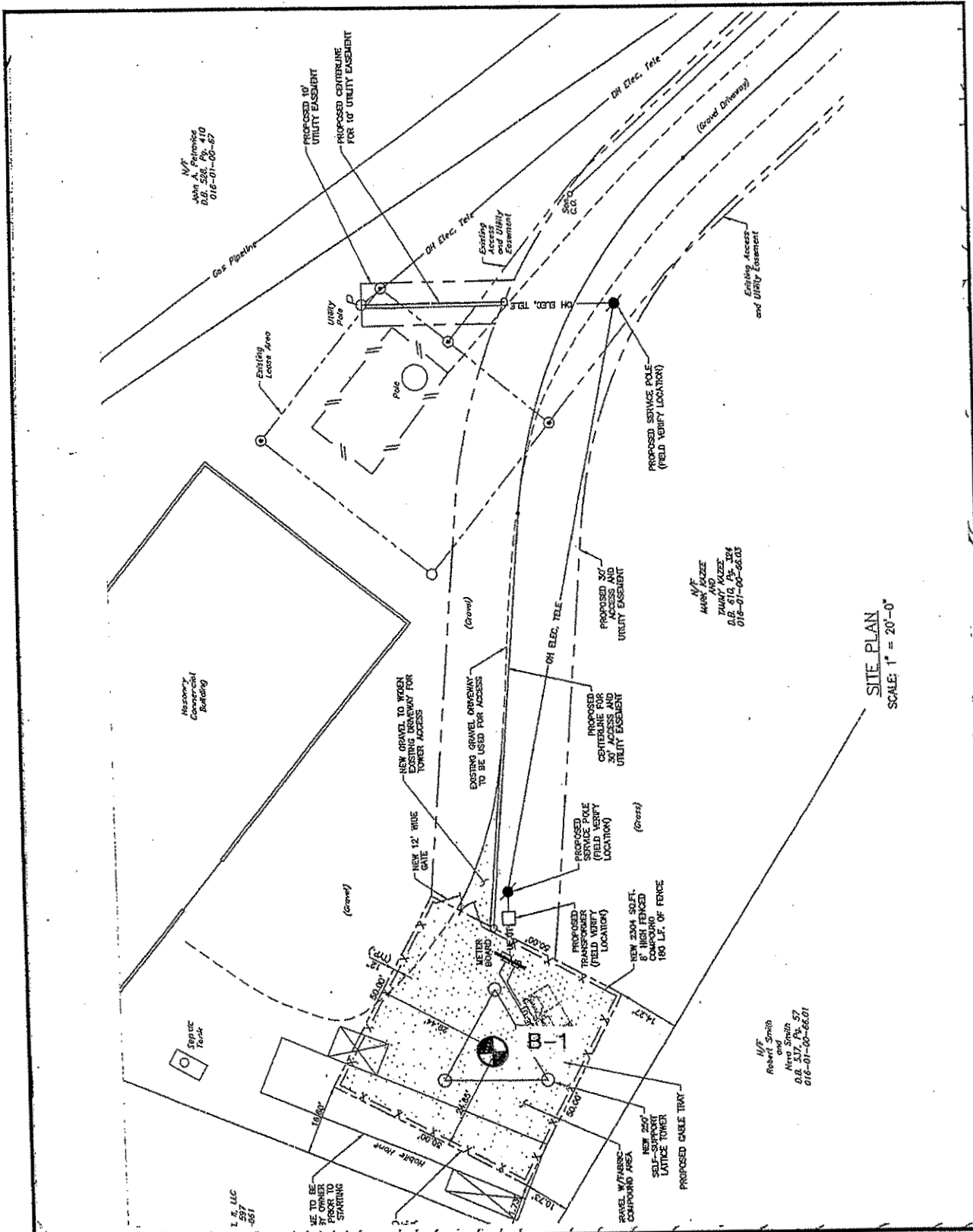
4.5 ENGINEERING INSPECTIONS AND QUALITY ASSURANCE

Fill placement and compaction should be monitored by a qualified geotechnical engineering firm to verify the suitability of the fill and that compaction requirements are met. Foundation excavations should be inspected by our geotechnical engineer to verify that adequate bearing materials are present.


5.0 LIMITATIONS

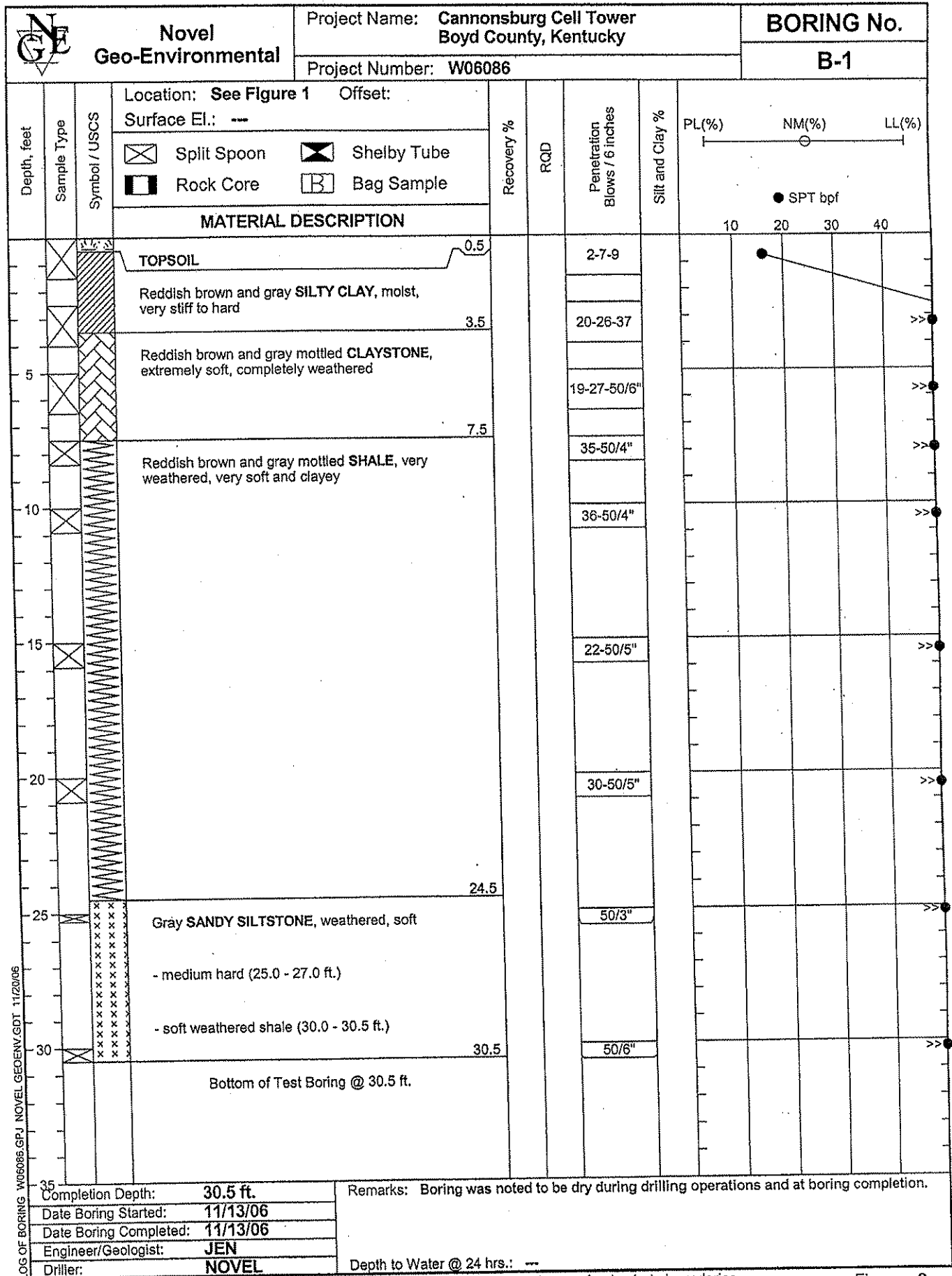
1. This work has been prepared for the exclusive use of Terradon Corporation for use in planning and design of the proposed Cannonsburg Tower to be located in Boyd County, Kentucky. The work has been performed in accordance with generally accepted geotechnical engineering practices. No other warranty, expressed or implied, is made.
2. In the event that changes in the nature, design or location of the proposed structures are planned, the conclusions and recommendations presented in this report should not be considered valid unless we have reviewed the changes and modified or verified our conclusions and recommendations.
3. The conclusions and recommendations contained in this report are based in part on the data obtained from the borings and our field observations. The nature and extent of the variations between borings and observation locations may not be evident until construction. If variations become evident during construction, we should be contacted in order that actual conditions can be reviewed and applicable conclusions and recommendations can be re-evaluated.

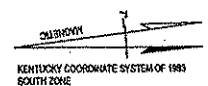
Figures



SITE PLAN
SCALE: 1" = 20'-0"

 Novel Geo-Environmental, LLC 806 B Street St. Albans, West Virginia 25177 (304) 201-5180 FAX (304) 201-5182	Project		Boring Location Plan Cannonsburg Tower Site Boyd County, Kentucky	
	Job No.	Scale	Dwg. No.	FIGURE 1
W06086	1"=20'	FIG 1		
	Date			
	11/28/2006			





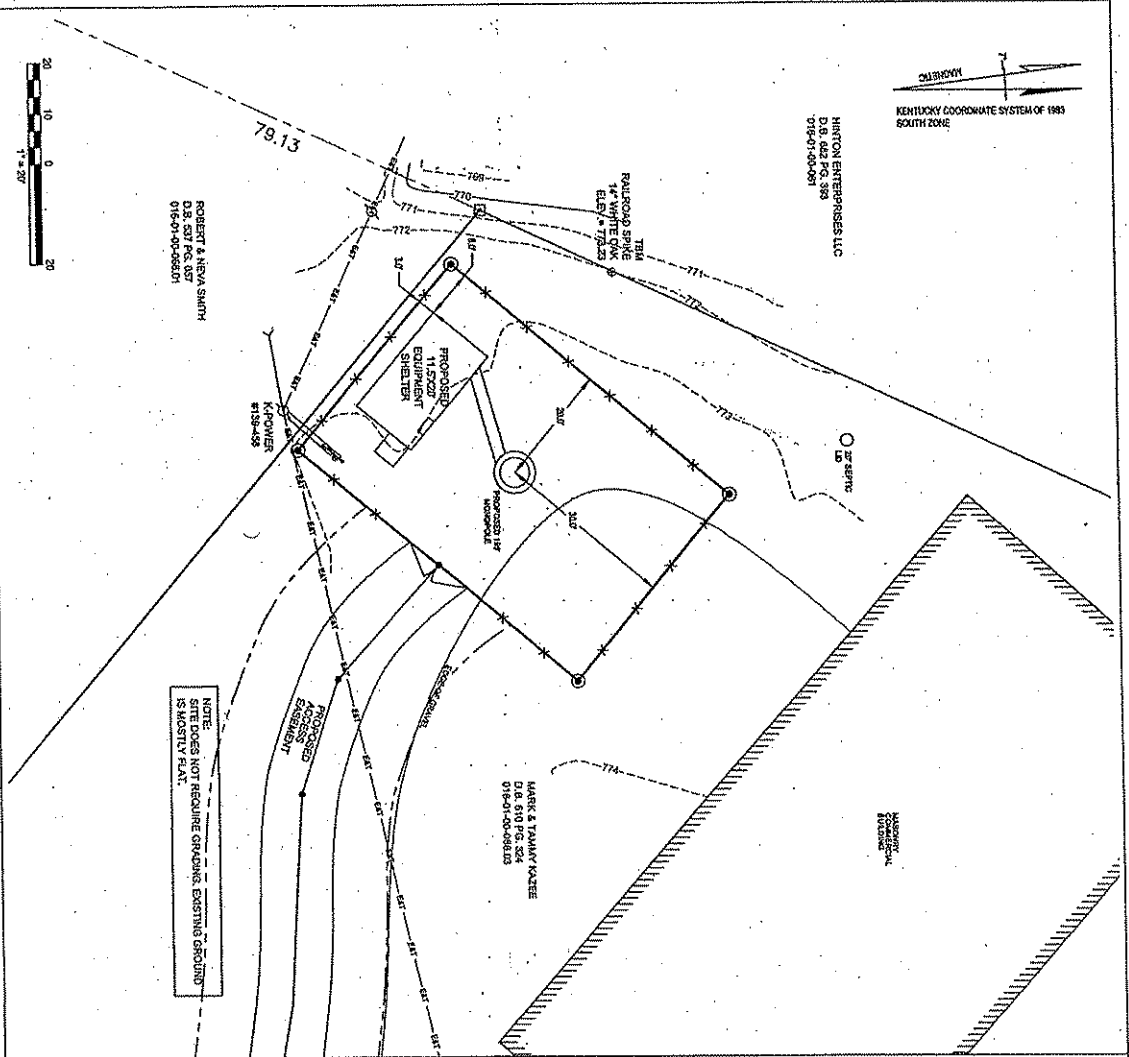
KENTUCKY COORDINATE SYSTEM OF 1985
SOUTH ZONE

HINTON ENTERPRISES, LLC
D.B. 662 PG. 393
016-01-00-087

ROBERT & NISVA SMITH
D.B. 637 PG. 187
016-01-00-088.01

PAULSON STUBBS
& WHITE OAK
ELES. 775-223

MARC & TAMMY KATZ
D.B. 610 PG. 324
016-01-00-088.03



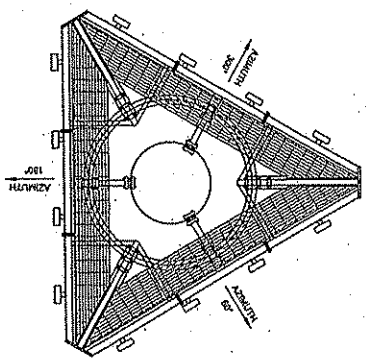
NOTE: SITE VISITOR NOT ACQUIRE GRASSHOPPER EXISTING SPOILING ISLANDS IN PLACE.

TERRADON
Engineering - Surveying - Landscape Architecture
2000 W. Main Street, Suite 201
Cannonsburg, KY 40302
(606) 755-4231 FAX 755-2535
www.terradon.com

CANNONSBURG
SITE NO. WY302A
12633 COMPLEX ROAD
ASHLAND, KY 41102

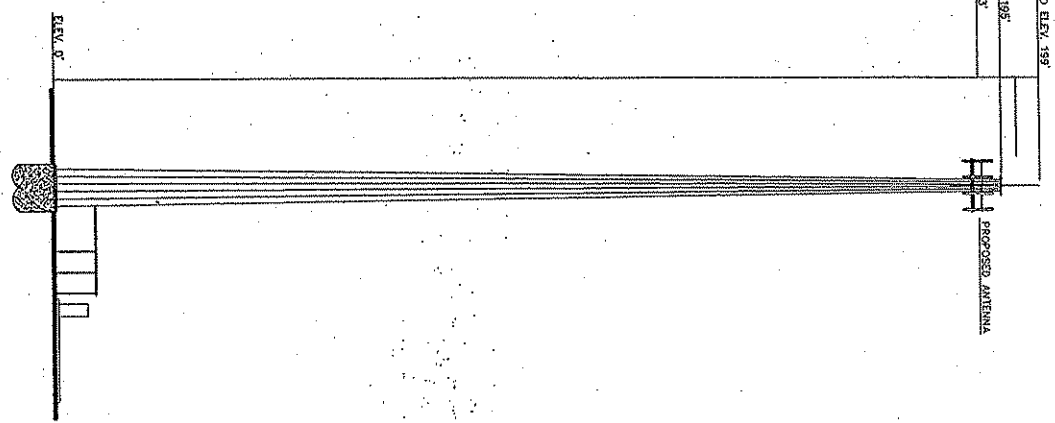


CALL BEFORE YOU DIG
BEFORE YOU START
800-4-A-DIG
1-800-422-4007



TRUE NORTH

TOP OF LIGHTNING ROD ELEV. 199'
TOP OF TOWER D.B. 195'
RAD CENTER ELEV. 187'



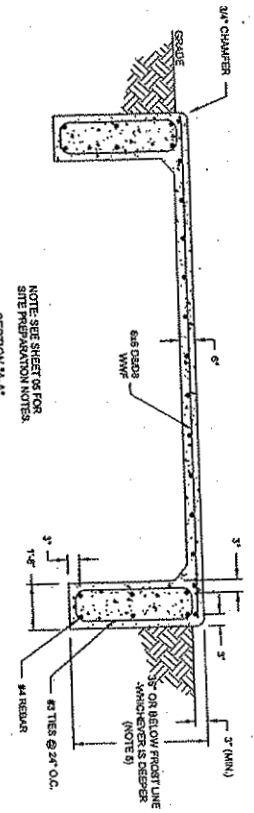
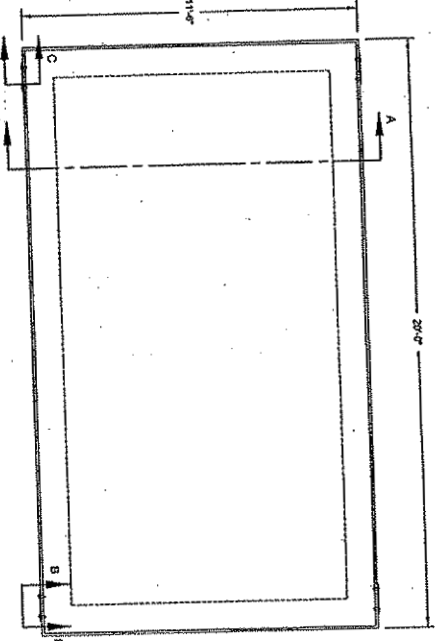
NO.	DATE	DESCRIPTION	BY	CHECKED BY	SCALE	AS SHOWN	DESIGNED BY	DATE	NO.
1	1-31-07	ISSUED TO WORKFORCE							
2	11-08-08	REVISION							
3									
4									
5									
6									
7									
8									
9									

TOWER ELEVATION

CINGULAR WIRELESS

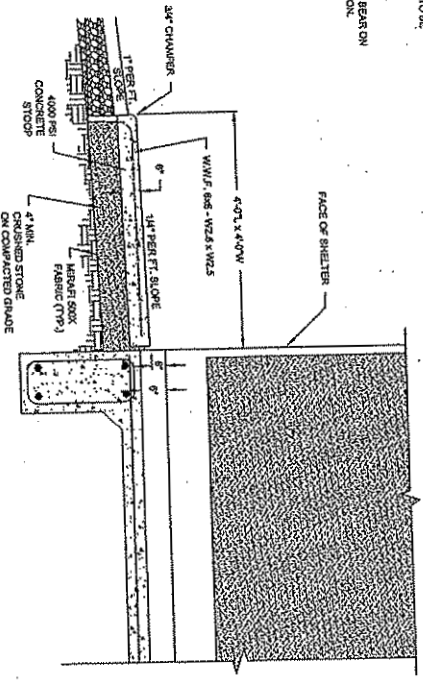
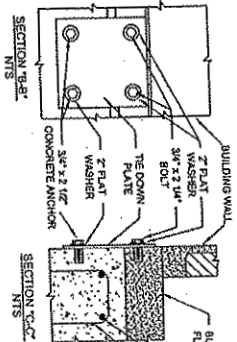
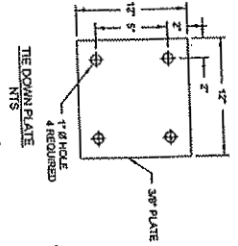
SITELAYOUT PLAN
AND ELEVATION VIEW

WY302-03



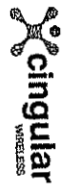
NOTE: SEE SHEET FOR SITE PERMISSION NOTES.

- NOTES:**
1. REFER TO MANUFACTURER'S SPECIFICATIONS FOR SITE SPECIFIC CRITERIA.
 2. CONCRETE STRENGTH SHALL BE A MINIMUM OF 4000 PSI.
 3. THE DOWN PLATE, ANCHORS, AND HARDWARE TO BE PROVIDED BY THE SHELTER MANUFACTURER.
 4. SLAB TO BE LEVEL AND FLAT.
 5. FOOTING SHALL EXTEND TO DEPTH SHOWN OR BEAR ON BOLD ROCK IF ENCOUNTERED DURING EXCAVATION.
- (A) DIFFERENT SHELTER MANUFACTURER MAY BE USED.



ERRADON
Engineering - Surveying - Landscape Architecture
Nashville, TN 37203
(615) 252-4281 FAX 252-2843

CANNONSBURG
SITE NO. WVS02A
12633 COPLEY ROAD
ASHLAND, KY 41102



NO.	DATE	DESCRIPTION	BY	CHK	APP	SCALE	NO.	DATE	DESCRIPTION	BY	CHK	APP
1	8-1-07	CHANGED TO MANUAL	JLS	CP	BT							
2	8-1-07	PRELIMINARY	WAL	CP	BT							
3	8-1-07	REVISIONS	BT	CP	BT							
4	8-1-07	ISSUED FOR BID	OWAN	BT	WAL							

NO.	DATE	DESCRIPTION	BY	CHK	APP
1	2-4-79	4-21			

CINGULAR WIRELESS

SLAB DETAIL

WVS02-04

NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING AND NEW WATER, SEWER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE LOCATED IN THE WORK SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING NEAR EXISTING OR NEW UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR ALL PERSONNEL WORKING NEAR EXISTING OR NEW UTILITIES. ALL PERSONNEL SHALL BE ADVISED OF THE LOCATION OF ALL UTILITIES. ELECTRICAL SAFETY OF PERSONNEL IS A PRIORITY.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. ALL EXISTING MACHINE SINKS, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH ARE TO BE REMOVED FROM THE SITE, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATERS TO FLOW AWAY FROM THE BOTS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY OCCUPIED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR FOUNDATION SHALL BE GRADED TO UNIFORM TOP OF FINISHED SURFACE PRIOR TO EROSION AS DESCRIBED IN THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES IF REQUIRED DURING CONSTRUCTION, SHALL BE IN COMPLIANCE WITH THE LOCAL REGULATIONS FOR EROSION AND SEDIMENT CONTROL.

NOTES:

1. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A615 UNLESS OTHERWISE NOTED.
2. ALL WELDING SHALL BE PERFORMED USING STICK ELECTRODES AND WELDING SHALL CONFORM TO AISC, WELDED FILLET WELD STAYS ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.1 IN THE AISC "MANUAL OF STEEL CONSTRUCTION" - PARTED SURFACES SHALL BE TOUGHENED.
3. BOLTED CONNECTIONS SHALL BE ASTM A505 ELEVATING TYPE (E490) CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
4. NONSTRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
5. INSTALLATION OF CONCRETE EXPANSION/SHRINK JOINTS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE ANCHOR BOLT, HOOKS OR RODS SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL. WHEN DRILLING HOLES IN CONCRETE SPECIAL INSPECTIONS REQUIRED FOR CONCRETE QUALITY. ALL DRILLING HOLES IN ORDER TO MAINTAIN MINIMUM PROTECTIVE MAXIMUM ALLOWABLE LOADS.

STRUCTURAL STEEL NOTES:

DETAILS 620

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 308, ACI 318, ACI 309, ACI 310, ACI 311, ACI 312, ACI 313, ACI 314, ACI 315, ACI 316, ACI 317, ACI 318, ACI 319, ACI 320, ACI 321, ACI 322, ACI 323, ACI 324, ACI 325, ACI 326, ACI 327, ACI 328, ACI 329, ACI 330, ACI 331, ACI 332, ACI 333, ACI 334, ACI 335, ACI 336, ACI 337, ACI 338, ACI 339, ACI 340, ACI 341, ACI 342, ACI 343, ACI 344, ACI 345, ACI 346, ACI 347, ACI 348, ACI 349, ACI 350, ACI 351, ACI 352, ACI 353, ACI 354, ACI 355, ACI 356, ACI 357, ACI 358, ACI 359, ACI 360, ACI 361, ACI 362, ACI 363, ACI 364, ACI 365, ACI 366, ACI 367, ACI 368, ACI 369, ACI 370, ACI 371, ACI 372, ACI 373, ACI 374, ACI 375, ACI 376, ACI 377, ACI 378, ACI 379, ACI 380, ACI 381, ACI 382, ACI 383, ACI 384, ACI 385, ACI 386, ACI 387, ACI 388, ACI 389, ACI 390, ACI 391, ACI 392, ACI 393, ACI 394, ACI 395, ACI 396, ACI 397, ACI 398, ACI 399, ACI 400.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. BRACES SHALL BE CLASS "3" AND ALL HOOKS SHALL BE STANDARD, 180°.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
 - CONCRETE CAST AGAINST EARTH.....3 IN.
 - CONCRETE EXPOSED TO EARTH OR WEATHER.....2 IN.
 - 65 AND LARGER.....2 IN.
 - 65 AND SMALLER & W/W.....1 1/2 IN.
 - CAST AGAINST THE GROUND.....3 IN.
 - SLAB AND WALL.....3/4 IN.
 - BEAMS AND COLUMNS.....1 1/2 IN.
5. A CHAIRER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNO, IN ACCORDANCE WITH ACI 308 SECTION 4.2.1.
6. INSTALLATION OF CONCRETE EXPANSION/SHRINK JOINTS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE ANCHOR BOLT, HOOKS OR RODS SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL. WHEN DRILLING HOLES IN CONCRETE SPECIAL INSPECTIONS REQUIRED FOR CONCRETE QUALITY. ALL DRILLING HOLES IN ORDER TO MAINTAIN MINIMUM PROTECTIVE MAXIMUM ALLOWABLE LOADS.

CONCRETE AND REINFORCING STEEL NOTES:

DETAIL 102

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 - CONTRACTOR - BECTEL
 - SUBCONTRACTOR - CINGULAR
 - OWNER - CINGULAR
 - DEV. - ORIGINAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF ANY THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL CONFORM WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY REGULATIONS AND LOCAL, UNIFORM, CODES, ORDINANCES AND APPLICABLE REGULATIONS.
5. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR. CABLES AS SHOWN ON THE POWER, GROUNDING AND TIE CABLES, GROUNDING AND TIE CABLES AS SHOWN ON THE POWER, GROUNDING AND TIE CABLES DRAWING.
9. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PARALLEL, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
10. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COPPER CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. MATERIALS REMOVED SHALL BE RETURNED TO THE OWNERS DESIGNATED LOCATION.
11. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
12. CONSTRUCTION SHALL CONFORM WITH SPECIFICATION 247800-345-000-0000, GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF CINGULAR GSM SITES.

DETAIL 623

ABBREVIATIONS & SYMBOLS

- ABBREVIATIONS**
- AGL ABOVE GRADE LEVEL
 - BTS BASE TRANSCEIVER STATION
 - [E] EXISTING
 - MIN MINIMUM
 - N.T.S. NOT TO SCALE
 - REF REFERENCE
 - RF RADIO FREQUENCY
 - T.B.R. TO BE REWORKED
 - TYP TYPICAL
 - REQ REQUIRED
 - EQ EQUIPMENT GROUND RING
 - AWG AMERICAN WIRE GAUGE
 - MSB MASTER GROUND BUS
 - ES EQUIPMENT GROUND
 - BOV BARE COPPER WIRE
 - SHD SMART INTERGATED ACCESS DEVICE
 - GEN GENERATOR
 - IGR INTERIOR GROUND BUNG (RADIO)
 - RIS RADIO BASE STATION
- SYMBOLS**
- SGD SOLID GROUND BUS BAR
 - SNL SOLID NEUTRAL BUS BAR
 - AS SUPPLEMENTAL GROUND CONDUCTOR
 - 2-POLE THERMAL MAGNETIC CIRCUIT BREAKER
 - 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
 - GROUND ROD
 - DISCONNECT SWITCH
 - METER
 - DAWDED TYPE CONNECTION
 - COMPRESSION TYPE CONNECTION
 - EXPANDING WIRE

CINGULAR WIRELESS

CONSTRUCTION NOTES

DATE	BY	DESCRIPTION
24780-421	WV002-05	

TERRADON

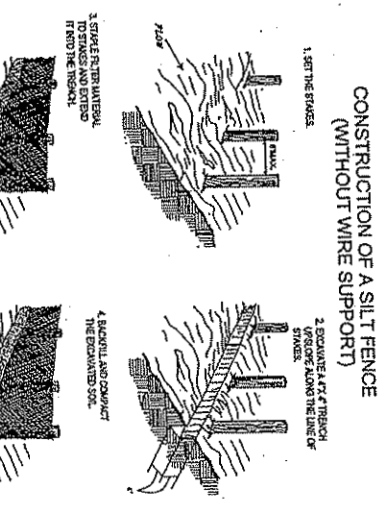
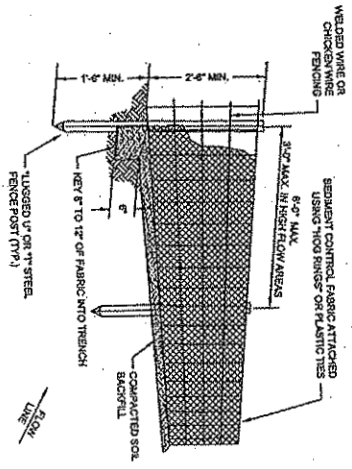
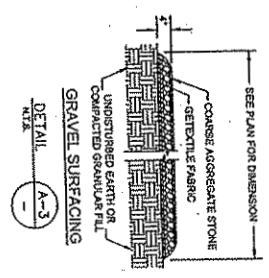
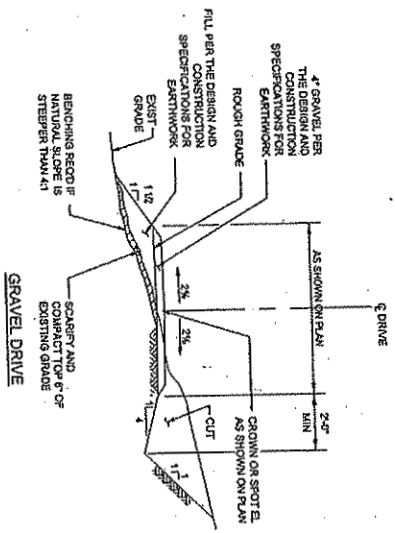
Engineering Services - Landscape Architecture

1000 West 21st Street
 Suite 200
 Fort Worth, Texas 76102
 (817) 752-2244
 Fax: 752-2245

CANNONSBURG
 SITE NO. WV002A

13033 COPLEY ROAD
 ASTLAND, NY 41102

cingular
 WIRELESS



DETAIL A-6
M.F.A.

PLATE 3162

SILT FENCE NOTES:

1. SILT FENCE IS A TEMPORARY SEDIMENTATION CONTROL MEASURE CONSISTING OF WOODEN OR OTHER FENCE WITH A FILTER FABRIC, GEOTEXTILE FILTER FABRIC, SILT FENCE (1) LOCATED THE VELOCITY OF SHEET FLOW TO A NON-EROSIVE LEVEL, AND (2) RETAINS SUSPENDED SOIL, PARTICLES FROM LEAVING THE CONSTRUCTION SITE.
2. SILT FENCE MAY BE INSTALLED WHERE SHEET FLOW EROSION CONTROL AND SEDIMENTATION CONTROL ARE NECESSARY. SILT FENCE SHALL NOT BE USED WHERE CONCENTRATED FLOWS, SUCH AS GULLIES AND/OR SWALES, MAY DEVELOP.
3. THE TYPE OF SILT FENCE SPECIFIED SHOULD BE CONSIDERED WHEN ATTEMPTING TO CONTROL SHEET FLOW EROSION AND SEDIMENTATION. A LOW QUALITY SILT FENCE MAY REQUIRE REPAIRS AND MAINTENANCE TO ACCOMPLISH THE TASK AT HAND. SPECIAL ATTENTION SHOULD BE GIVEN TO SELECTING THE PROPER SUPPORT SYSTEM AND THE GRADE OF GEOTEXTILE FILTER FABRIC.
4. THE FIELD LOCATION SHOULD BE ADJUSTED, AS NEEDED TO PROVIDE THE MOST EFFECTIVE CONTROL OF SHEET FLOW EROSION AND SEDIMENTATION.
5. BEFORE INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED TO INSURE THAT THE SILT FENCE CONTINUES TO OPERATE EFFICIENTLY.
6. THE SILT FENCE GEOTEXTILE FILTER FABRIC SHALL BE REINFORCED WITH CONSTRUCTION HARDWARE CLOTH, OR ANOTHER APPROVED EQUIV. IF THE SPECIFIED SILT FENCE FAILS UNDER MODERATE LOADS, A MINIMUM SPACING OF 6\"/>

TERRADON
Engineering • Planning • Construction Administration
1100 West Virginia Ave. Suite 2514
Martinsburg, WV 26101
(304) 753-4281 FAX 753-4282

CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102

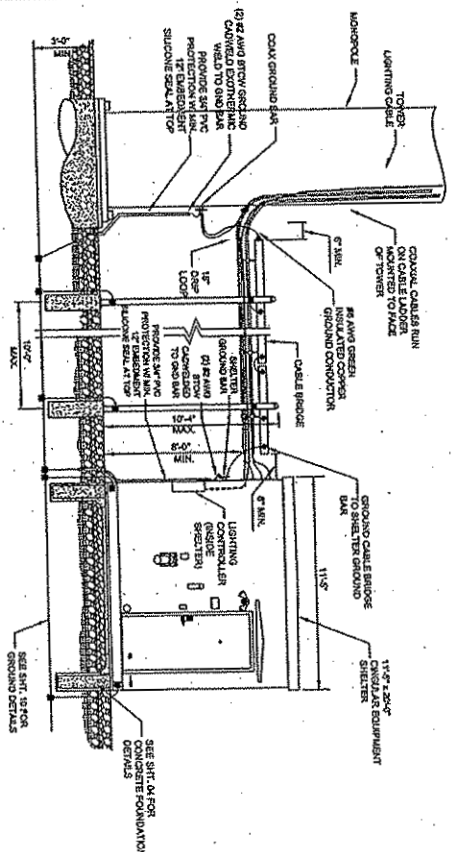
cingular
WIRELESS

NO.	DATE	REVISIONS	DESIGNED BY	DRAWN BY	SCALE
1	3-21-07	CHANGED TO WIRELESS			
2	11-06-08	PROVIDED WIRELESS			

NO.	DATE	REVISIONS	DESIGNED BY	DRAWN BY	SCALE
1	3-21-07	CHANGED TO WIRELESS			
2	11-06-08	PROVIDED WIRELESS			

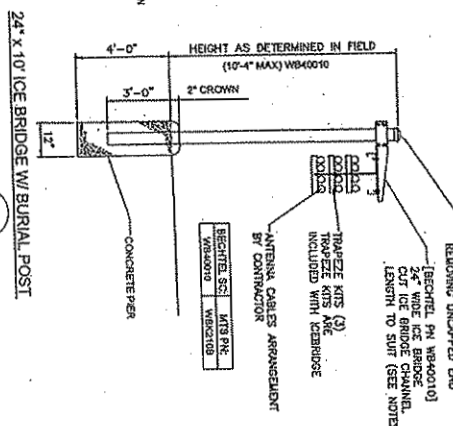
CINGULAR WIRELESS

CONSTRUCTION DETAILS
CONTRACT NUMBER
WV302-06



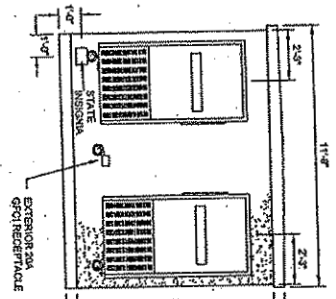
EQUIPMENT ELEVATION W/ GROUNDING

DETAIL 154W
NTS



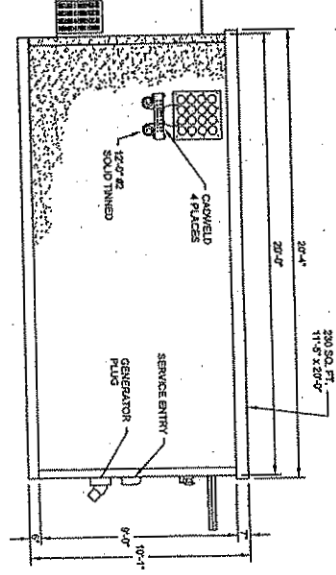
24\"/>

DETAIL 155A
NTS



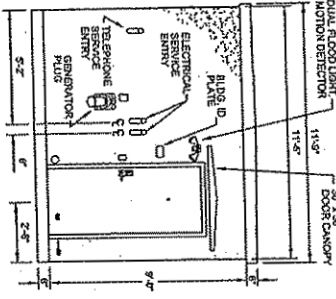
EQUIPMENT SHELTER ELEVATIONS

DETAIL D-8
NTS



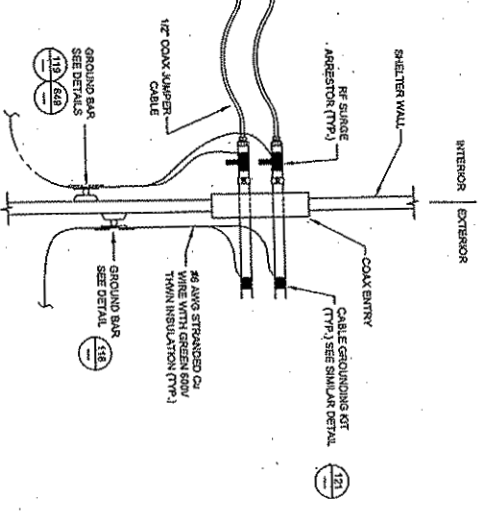
EQUIPMENT SHELTER ELEVATIONS

DETAIL D-8
NTS



EXTERIOR ANTENNA CABLE GROUNDING AT SHELTER COAX ENTRY PORT

DETAIL 126
NTS



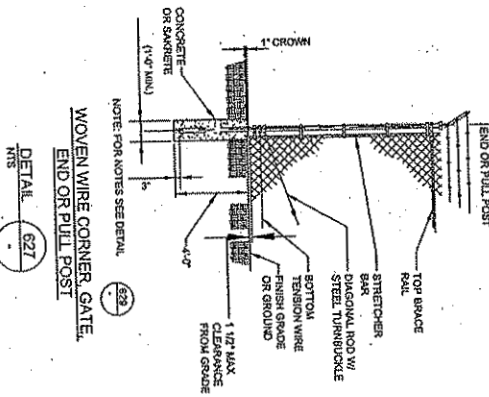
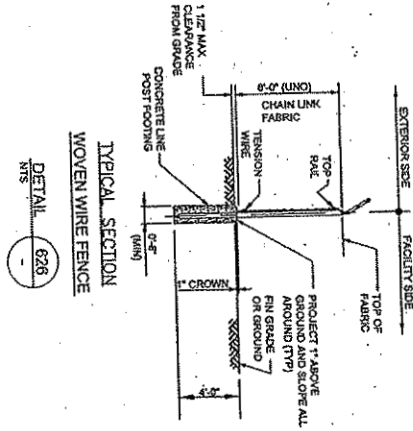
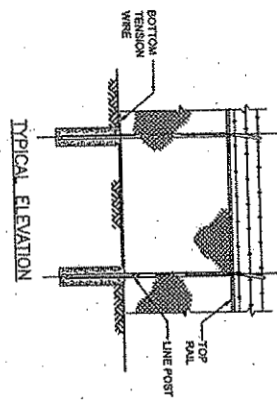
- NOTES:
1. WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 9 FEET FOR 10 FEET BRIDGE CHANNEL.
 2. WHEN USING COMPONENTS FOR SPLICE BRIDGE CHANNEL SECTIONS, THE SPLICE SHOULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.
 3. WHEN USING COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CENTER TO CENTER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.
 4. CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL OR EQUIVALENT FINISH.
 5. ICE BRIDGES MAY BE CONSIDERED WITH COMPONENTS FROM OTHER MANUFACTURERS, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 6. DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
 7. DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.
 8. THE DESIGN IS BASED ON ASCE 7-08, 3 SECOND GUST WIND SPEED OF 110 MPH, EXPOSURE C, ELEVATION AT GRADE.
 9. THIS DESIGN IS BASED ON 24\"/>

TERRADON
Engineering • Planning • Architecture
100, 842 219 2114
100, 842 219 2114
(502) 752-4331 FAX 752-2455
www.terradon.com

CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102

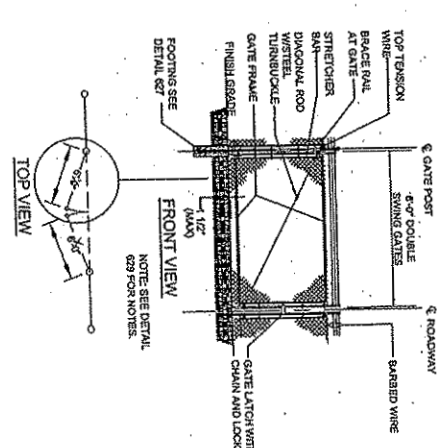


NO.	DATE	DESCRIPTION	BY	CHKD BY	APP'D BY
1	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
2	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
3	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
4	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
5	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
6	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
7	2/1/02	ISSUED FOR PERMITS	WV	WV	WV
8	2/1/02	ISSUED FOR PERMITS	WV	WV	WV



- NOTES:**
(INSTALL FENCING PER ASTM F-857, SWING GATES PER ASTM F-900)
- GATE POST, CORNER, TENSION, OR PULL POST SHALL BE 2 1/2" DIA SCHEDULE 40 FOR GATE WIDTHS UP THROUGH 6 FEET OR 1 1/2" DIA FOR DOUBLE SWING GATE PER ASTM F-1028.
 - LINE POST: 2 3/8" SCHEDULE 40 PIPE PER ASTM F-1028.
 - GATE FRAME: 1 1/2" SCHEDULE 40 PIPE PER ASTM F-1028.
 - TOP RAIL & BRACE RAIL: 1 1/4" SCHEDULE 40 PIPE PER ASTM F-1028.
 - FABRIC: 9 GA. COB WEAVE WIRE, CONFORMING TO ASTM A-952 CLASS 1.
 - THE WIRE FABRIC SHALL BE GALVANIZED STEEL. INSTALL A SINGLE WRAP THE WIRE AT EACH END RAIL AT MAX. 36" INTERVALS. INSTALL HOG RINGS ON TENSION WIRE AT 36" INTERVALS.
 - TENSION WIRE: 7 GA. GALVANIZED STEEL.
 - GATED WIRE: 5 STRANDS OF DOUBLE STRANDED 12-1/2 GAUGE TWISTED WIRE, 4 FT. BARS SPACED ON APPROXIMATELY 9" CENTERS.
 - GATE LATCH: 1-3/8" O.D. TURNER ROD WITH SHERROD TYPE CATCH AND LOCK. (KEYED ALIKE FOR ALL SITES ON COMBINATION AS SPECIFIED BY CINCULAR.)
 - LOCAL ORDINANCE FOR BARBED WIRE PERMIT SHALL GOVERN INSTALLATION.
 - HEIGHT = 6" VERTICAL - 1" BARBED WIRE VERTICAL DIMENSION.
 - ALL WORK SHALL CONFORM WITH THE PROJECT SPECIFICATIONS.
 -
 -

WOVEN WIRE FENCING NOTES
DETAIL 629
MNS



WOVEN WIRE SWING GATE, DOUBLE
DETAIL 638
MNS

TERRADON
Engineering & Surveying - Land Surveying Activities
1111 West Virginia Ave. Ste. 111
Martinsburg, WV 25143
(304) 752-4331 FAX (304) 752-2835
www.terradon.com

CANNONSBURG
SITE NO. W0302A
12833 COPLEY ROAD
ASHLAND, KY 41102

cingular
WIRELESS

NO.	DATE	DESCRIPTION	BY	CHK	APP
1	11-10-05	ISSUANCE TO LANDOWNER			
2	11-10-05	REVISED PER WMA			
3	11-10-05	REVISED PER WMA			
4	11-10-05	REVISED PER WMA			
5	11-10-05	REVISED PER WMA			
6	11-10-05	REVISED PER WMA			
7	11-10-05	REVISED PER WMA			
8	11-10-05	REVISED PER WMA			
9	11-10-05	REVISED PER WMA			
10	11-10-05	REVISED PER WMA			

2/4/02-4/21

CINCULAR WIRELESS

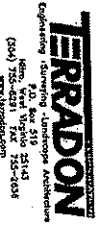
FENCE NOTES AND DETAILS

W0302-08

8

ELECTRICAL INSTALLATION NOTES

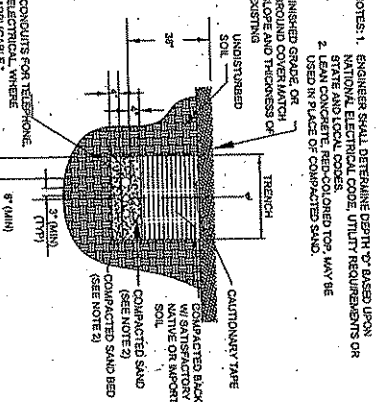
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELECOMCO.
4. ALL CIRCUITS SHALL BE SERVICED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELECOMCO.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-SHAPE CABLE TRAY RUNGS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., 300V), GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (X) BRAND 1/2" INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUIVALENT. THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR ALTERNITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS.
9. ALL THE WIRES SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 900 V, OIL RESISTANT THHN OR THHN-2, CLASS 8 STRANDED COPPER CABLE RATED FOR 90 °C (193 °F) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#8 AWG OR LARGER), 900 V, OIL RESISTANT THHN OR THHN-2, GREEN INSULATION CLASS 8 STRANDED COPPER CABLE RATED FOR 90 °C (193 °F) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 90 °C (193 °F) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE GRAMP-STILE COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (165°F IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEC/A, UL, ANSI/IEEE, AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID POLYPROPYLENE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GROUND.
18. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND, BUT BURIED IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
19. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
20. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREWS FITTINGS ARE NOT ACCEPTABLE.
21. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEC/A, UL, ANSI/IEEE, AND NEC.
22. WIREWAYS SHALL BE EXOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD. SHALL BE PANDUIT TYPE E (OR EQUAL), AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.



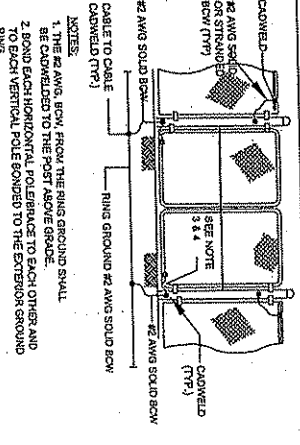
CANNONSBURG SITE NO. WYSDA
 12633 COPLEY ROAD
 ASHLAND, KY 41102

ELECTRICAL INSTALLATION NOTES (CONT.)

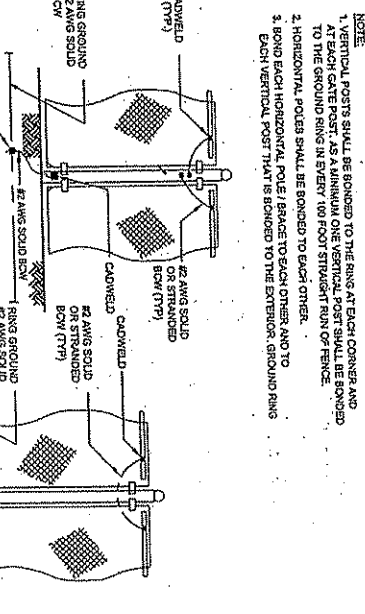
23. EQUIPMENT CABINETS, METAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EXOXY-COATED SHEET STEEL. SHALL BE RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EXOXY-COATED, OR NON-CORRODING. SHALL BE RATED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE RATED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL VERIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SPECIFY ADJACENT USE AND PROPERTY.



DETAIL 622
 DIRECT BURIED CONDUIT
 * CONDUIT SIZE, TYPE, QUANTITY AND SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS



DETAIL 630
 FENCE GATE GROUNDING



DETAIL 633
 FENCE GROUNDING



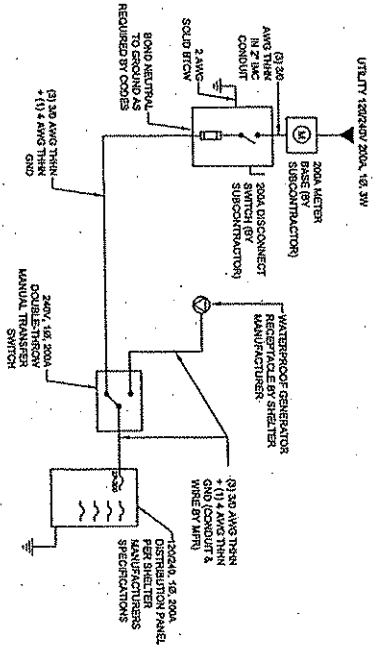
NO.	DATE	REVISION	BY	CHKD BY	SCALE	AS SHOWN
1	11-06-08	REVISION				
2	2-21-07	COLORED TO UNIFORM				

NO.	DATE	REVISION	BY	CHKD BY	SCALE	AS SHOWN
1	11-06-08	REVISION				
2	2-21-07	COLORED TO UNIFORM				

NO.	DATE	REVISION	BY	CHKD BY	SCALE	AS SHOWN
1	11-06-08	REVISION				
2	2-21-07	COLORED TO UNIFORM				

NO.	DATE	REVISION	BY	CHKD BY	SCALE	AS SHOWN
1	11-06-08	REVISION				
2	2-21-07	COLORED TO UNIFORM				

CINGULAR WIRELESS
 ELECTRICAL NOTES & DETAILS
 WYD02-09



- NOTES:**
1. SUBCONTRACTOR SHALL PROVIDE 200AMP, SINGLE PHASE, 120/240 VAC, 60HZ SERVICE FOR SITE.
 2. SUBCONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY BEFORE THE START OF REQUIREMENTS.
 3. MANUFACTURER FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY PANEL.
 4. SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATING GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.

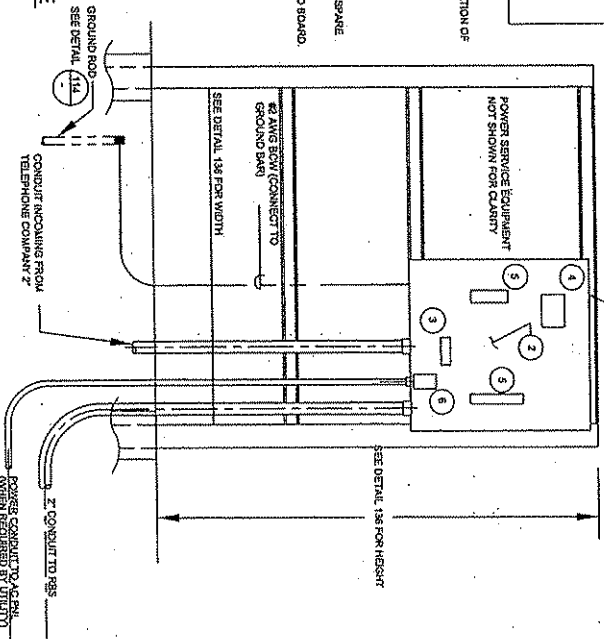
TERRADON
 Engineering & Construction
 12813 COPLEY ROAD
 ASHLAND, KY 41102
 (502) 924-1111
 www.terradon.com

CANNONSBURG
 SITE NO. WVS02A
 12813 COPLEY ROAD
 ASHLAND, KY 41102

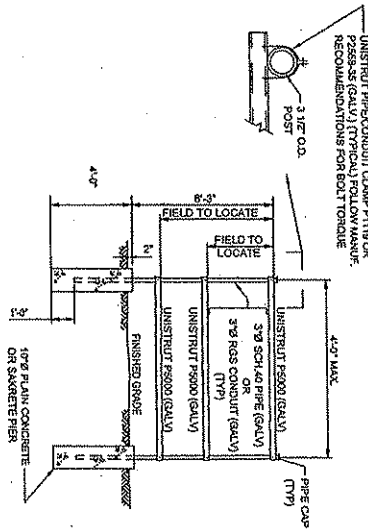
- NOTES:**
1. COORDINATE WITH LOCAL TELCO UTILITY PRIOR TO PURCHASING AND INSTALLATION OF BOX AND COMPONENTS.
 2. ALL MATERIAL SHALL MEET REQUIREMENTS OF LOCAL TELCO UTILITY.
 3. PER #4 SHALL BE INSULATED AND INSTALLED BY CONTRACTOR. BOND SURGE PROTECTION SHALL TO GROUND BAR WITH #6 AWG INSULATED WIRE.
 4. COORDINATE SIZE, TYPE AND QUANTITY OF ITEMS AS WITH LOCAL UTILITY.
 5. INSTALL PER #6 ONLY IF REQUIRED BY UTILITY. RECEPTACLE POWERED FROM SPARE BREAKER IN DISTRIBUTION PANEL.
 6. PULL 8 PAIR LCW PICO CABLES FROM HOFFMAN TELCO BOX TO SHELTER TELCO BOARD.
- MATERIAL LIST:**
- ① 1Ø 120V 2-PHASE 3Ø ENCLOSURE (HOFFMAN 4-20000000 OR SIMILAR)
 - ② PLYWOOD BACKBOARD 18" X 18" X 5/8" THICK EXTERIOR GRADE
 - ③ SCHEDULED BAR (UNIFORM SECTION INSTRUMENT CO. CAT NO. 8-6142 OR EQUIV. WITH A-8181 WALL BRACKET)
 - ④ 1Ø SURGE PROTECTION DEVICE (USE AC DATA SYSTEMS PART #21008)
 - ⑤ TERMINAL BLOCKS OR T1 CONNECTORS
 - ⑥ 3Ø DUPLEX RECEPTACLE (20VAC/20A)

TELEPHONE DEMARCATION ENCLOSURE

DETAIL 642
11



DETAIL 136
03/09/12
METER AND DISCONNECT SWITCH MOUNTING RACK



cingular
 WIRELESS

NO.	DATE	REVISIONS	ISSUED BY	ISSUED FOR	REVISIONS	ISSUED BY	ISSUED FOR
1	12-13-07	CHANGED TO AERIAL EQUIPMENT	ASJ	CSF	RFI		
2	1-13-08	REMOVED	WAL	CSF	RFI		
3							
4							
5							
6							
7							
8							

24782-421

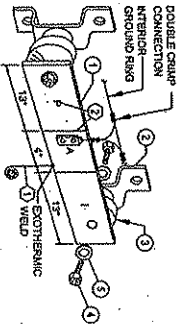
POWER CONDUIT TO AERIAL (WHEN REQUIRED BY UTILITY)

CINGULAR WIRELESS

SINGLE LINE DIAGRAM & DETAILS

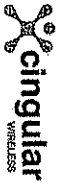
WVS02-10

NO.	REQ.	PART NO.	DESCRIPTION
1	1	184-2007	PRE-FABRILATED GND. BAR
2	2	A-8598	WALL MFG BRKT.
3	2	3061-4	INSULATORS
4	4	3012-4	3/8" X 1 1/2" HILLOCKS
5	4	3016-6	88 LOCKWASHER



ERRADON
 Engineering • Consulting • Construction Administration
 11111 West Virginia Ave. Suite 2114
 (304) 753-4431 Fax: (304) 753-5258

CANNONSBURG
 SITE NO. WV202A
 12833 COPLEY ROAD
 ASHLAND, KY 41102

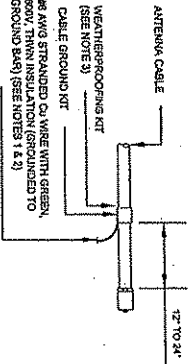


NO.	DATE	BY	DESCRIPTION
1	11-18-08	ERRADON	ISSUED FOR PERMIT
2	11-18-08	ERRADON	ISSUED FOR PERMIT
3	11-18-08	ERRADON	ISSUED FOR PERMIT
4	11-18-08	ERRADON	ISSUED FOR PERMIT
5	11-18-08	ERRADON	ISSUED FOR PERMIT

NO.	DATE	BY	DESCRIPTION
1	2/27/09	ERRADON	ISSUED FOR PERMIT
2	2/27/09	ERRADON	ISSUED FOR PERMIT
3	2/27/09	ERRADON	ISSUED FOR PERMIT
4	2/27/09	ERRADON	ISSUED FOR PERMIT
5	2/27/09	ERRADON	ISSUED FOR PERMIT

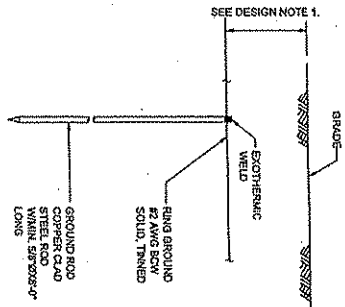
CINGULAR WIRELESS
 GROUNDING DETAILS
 WVD02--11

CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE



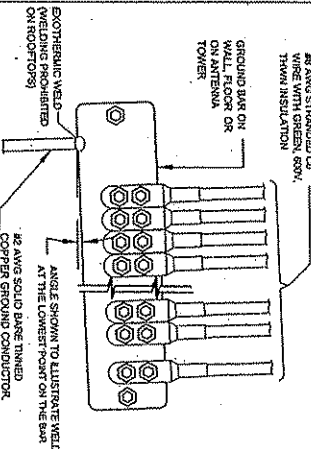
- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A 90 DEGREE ANGLE AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 - GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 - INSTALLER SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

DETAIL 121
 NTS



- NOTES:**
- DESIGNER/ENGINEER TO DETERMINE DIMENSION WHICH SHALL BE THE BELOW THE FROST LINE OR 18" MINIMUM.
 - GROUND ROD SHALL BE GROVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.

DETAIL 114
 NTS



INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR

DETAIL 118
 NTS

GROUNDING CONDUCTORS REMAINING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION 77 - SURGE PROTECTORS

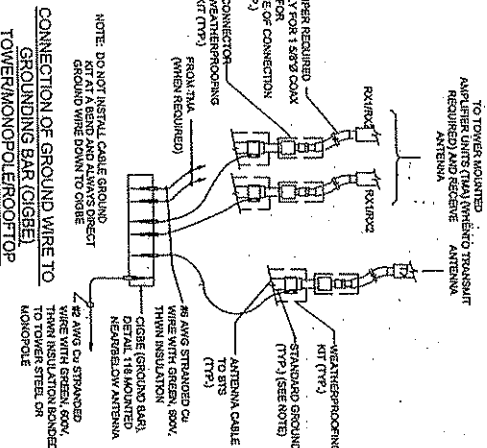
- CABLE ENTRY PORTS (MATCH PLATES) (M2)
- GENERATOR FRAMEWORK (IF AVAILABLE) (M2)
- TIE-ROD GROUND BAR (M2)
- COMMERCIAL POWER COMMON WEATHER-RESISTANT GROUND BOND (M2)
- WEATHER-RESISTANT POWER RETURN BAR (M2)
- WEATHER-RESISTANT POWER RETURN BAR (M2)
- COAX SUPPRESSION
- SECTION 77 - SURGE PROTECTORS
- INTERIOR GROUND RING (M2)
- EXTERNAL GROUND FIELD (BURIED GROUND RING) (M2)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (M2)
- BUILDING STEEL (IF AVAILABLE) (M2)
- SECTION 77 - ISOLATED GROUND ZONE
- ALL COMMUNICATIONS EQUIPMENT FRAMES
- ISOLATED GROUND BAR - (M2)

DETAIL NOTES:

- EXHIBIT 119 SHALL BE USED TO DRAW THE LINES BETWEEN EACH GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- USE REMAINING MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION (PER "A", "B" WITH HIGH LETTERS).

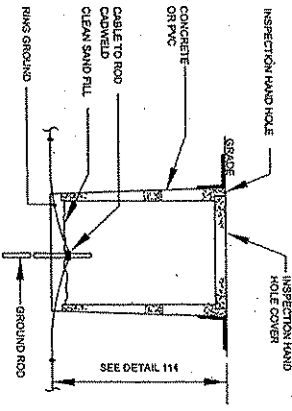
(R)GB REFERENCE GROUND BAR - DETAIL

DETAIL 119
 NTS



CONNECTION OF GROUND WIRE TO TOWER/MONOPOLE/EROFLOOR

DETAIL 122
 NTS



GROUND ROD WITH ACCESS AREA

DETAIL 116
 NTS

NOTE: INSPECTION HOLE DOES NOT REQUIRE TOOLS TO REMOVE.

UTM
 HANTON KY COORDINATE SYSTEM OF 1983
 SOUTH ZONE

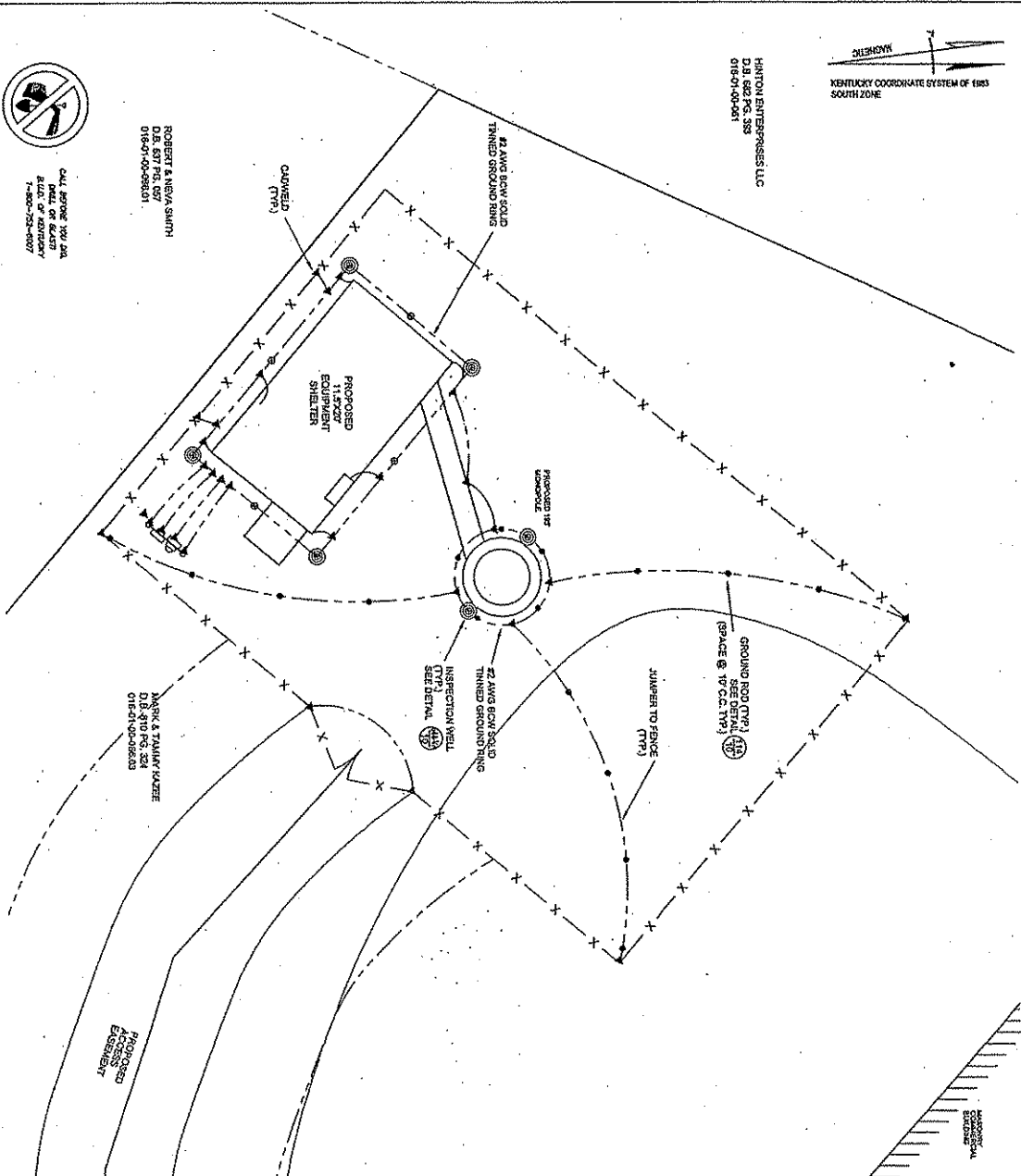
HANTON ENTERPRISES LLC
 D.B. 662 PG. 338
 016-01-00-001



CALL BEFORE YOU DIG
 FIELD OF ELECTRIC
 BARRIERS OF 1000V
 1-800-755-9000

ROBERT & NISVA SMITH
 O.B. 627 PG. 027
 016-01-00-001

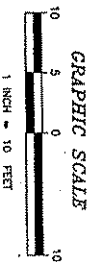
MARIN & TRACY PACE
 D.B. 301 PG. 224
 016-01-00-001



GROUNDING NOTES

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER SYSTEMS) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDED CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING PER IEEE 1169 AND 811 FOR GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL RUN AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMP.
5. METAL RACEWAYS SHALL NOT BE USED AS THE NEC REQUIRES EQUIPMENT GROUNDING CONDUCTORS STRAPPED AND INSTALLED WITH THE POWER CIRCUITS TO THE EQUIPMENT.
6. EACH 811S CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR 811S, #2 AWG STRANDED COPPER FOR OUTDOOR 811S.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS AREHESH EQUIPMENT/ROUND BARS AND THE GROUND RING SHALL BE #2 AWG BOND SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORGED USING HIGH PRESS CHIMES.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE RIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTI-CORROSION COATINGS (I.E. CONDUCTIVE ZINC OR PASTES) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. UNUSUAL AND UNUSUAL ELECTRICAL AND NONE ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND WIRE WITH 1/2" AWG TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR STEELS THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE ROVED IN CONDUIT TO MEET THESE REQUIREMENTS, THE CONDUCTOR SHALL BE BONDING AS PERMITTED BY LOCAL CODES THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

DETAIL 621



TERRADON
 Engineering Consulting Landscaping Architecture
 225 N. 2nd St. Ste. 218
 Waco, TX 76798
 (817) 772-8331 FAX 767-755-4436
 www.terradon.com

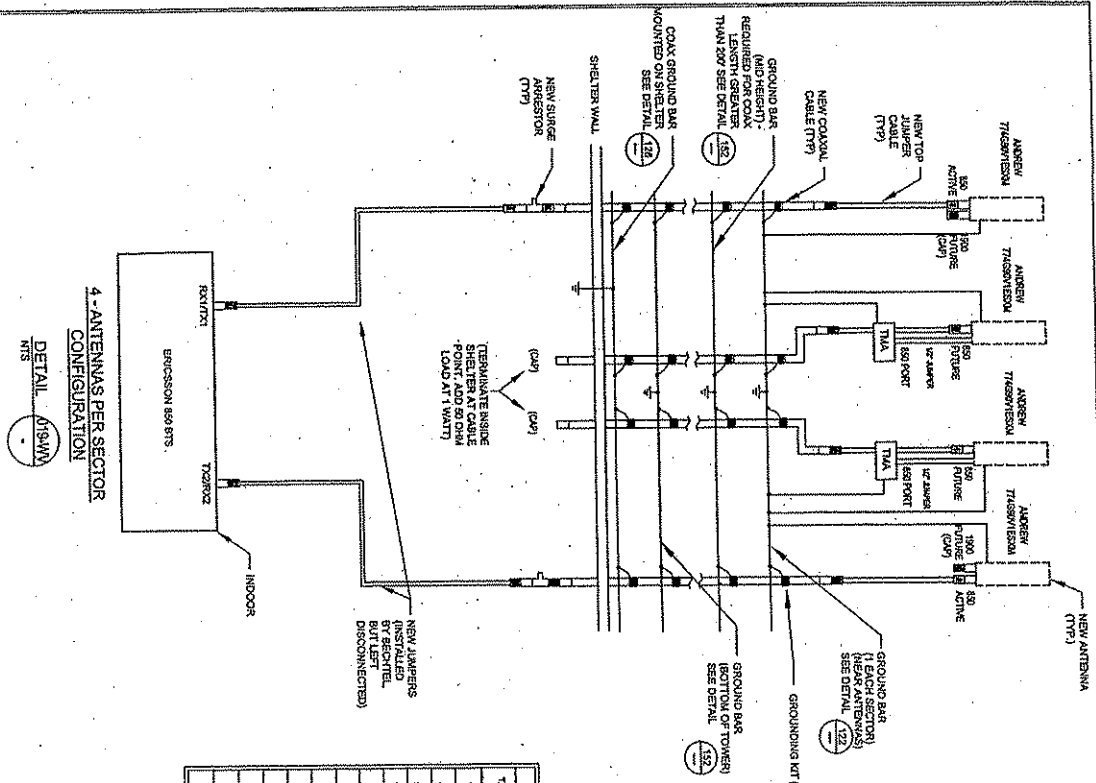
CANNONSBURG
 SITE NO. W9302A
 12833 COPLEY ROAD
 ASHLAND, KY 41102



NO.	DATE	BY	DESCRIPTION	REVISIONS	SCALE	AS SHOWN
1	11-11-21	AS	ISSUE FOR PERMIT			
2	11-11-21	AS	ISSUE FOR PERMIT			
3	11-11-21	AS	ISSUE FOR PERMIT			
4	11-11-21	AS	ISSUE FOR PERMIT			
5	11-11-21	AS	ISSUE FOR PERMIT			
6	11-11-21	AS	ISSUE FOR PERMIT			
7	11-11-21	AS	ISSUE FOR PERMIT			
8	11-11-21	AS	ISSUE FOR PERMIT			

CHANGED TO WORKSPACE
 REVISIONS
 DESCRIBED BY: WAC
 DRAWN BY: WAC

CINGULAR WIRELESS
 GROUNDING NOTES AND PLAN
 SCALE: 1/8" = 1'-0"
 SHEET: W9302A-12
 DATE: 11-11-21



4 - ANTENNAS PER SECTOR
CONFIGURATION
DETAIL

TERRADON
Engineering - Planning - Landscape Architecture
1100 West Virginia 21143
PO Box 752-2221 FAX 752-2388
www.terradon.com

CANNONSBURG
SITE NO. W302DA
15633 COPLEY ROAD
ASHLAND, KY 41102



DATE	DESCRIPTION	BY	CHECKED BY
03-20-02	CHANGES TO WIRELESS	AS	CS
03-20-02	PRELIMINARY	CS	CS
03-20-02	PROCESSING	CS	CS
03-20-02	DESIGNED BY: W302	CS	CS
03-20-02	ISSUED BY: W302	CS	CS

CINGULAR WIRELESS

ANTENNA SCHEMATIC & DETAILS

DATE: 03/20/02

W302-13

8

ANTENNA AND COAXIAL CABLE SCHEDULE

TAGS	SECTOR	ANTENNA TYPE	ANTENNA SERIAL NUMBER	SECTOR	ADJACENT	ANTENNA	ANTENNA	CABLE	COAXIAL CABLE	TOP LABEL	BOTTOM LABEL	COLOR CODE	TIA TYPE	PC BLOCK
					NO.	NO.	TP HEIGHT	LENGTH						
A1	1	THUNDERBOLT (40717457)		1	62"	152	152	215	ANADIG	(07152)	(07152)	1 GREEN STRIPE	SPV115 T81	N
A2	1	THUNDERBOLT (40717457)		2	62"	152	152	215	ANADIG	(07152)	(07152)	2 GREEN STRIPES	SPV115 T81	N
A3	1	THUNDERBOLT (40717457)		3	62"	152	152	215	ANADIG	(07152)	(07152)	3 GREEN STRIPES	SPV115 T81	N
A4	1	THUNDERBOLT (40717457)		4	62"	152	152	215	ANADIG	(07152)	(07152)	4 GREEN STRIPES	SPV115 T81	N
B1	2	THUNDERBOLT (40717457)		1	152"	152	152	215	ANADIG	(07152)	(07152)	1 WHITE STRIPE	SPV115 T81	N
B2	2	THUNDERBOLT (40717457)		2	152"	152	152	215	ANADIG	(07152)	(07152)	2 BLUE STRIPES	SPV115 T81	N
B3	2	THUNDERBOLT (40717457)		3	152"	152	152	215	ANADIG	(07152)	(07152)	3 BLUE STRIPES	SPV115 T81	N
B4	2	THUNDERBOLT (40717457)		4	152"	152	152	215	ANADIG	(07152)	(07152)	4 BLUE STRIPES	SPV115 T81	N
C1	3	THUNDERBOLT (40717457)		1	300"	152	152	215	ANADIG	(07152)	(07152)	1 WHITE STRIPE	SPV115 T81	N
C2	3	THUNDERBOLT (40717457)		2	300"	152	152	215	ANADIG	(07152)	(07152)	2 WHITE STRIPES	SPV115 T81	N
C3	3	THUNDERBOLT (40717457)		3	300"	152	152	215	ANADIG	(07152)	(07152)	3 WHITE STRIPES	SPV115 T81	N
C4	3	THUNDERBOLT (40717457)		4	300"	152	152	215	ANADIG	(07152)	(07152)	4 WHITE STRIPES	SPV115 T81	N

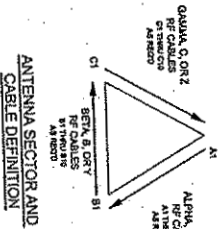
- NOTES:
1. ALL MATERIALS ON THE ABOVE TABLE SHALL BE PROVIDED BY THE CONTRACTOR TO THE SUBCONTRACTOR FOR INSTALLATION.
 2. SUBCONTRACTOR SHALL AS-BUILT CABLE LENGTHS AND PROVIDE ANTENNA SERIAL NUMBERS ON RED-DUNED DRAWINGS.
 3. ANTENNAS SHALL BE PROVIDED AND INSTALLED WITH DOWNHILL BRACKETS AND HEAVY DUTY CLAMPS SUPPLIED BY ANTENNA MANUFACTURER.
 4. FOLLOW DETAIL FOR CINGULAR COAX CABLE CODING.
 5. COAX GROUND KITS, COAX WEATHER PROOFING, SWAMP HANGER CLAMPS AND HOISTING GRIPS SHALL BE PROVIDED BY THE CONTRACTOR TO THE SUBCONTRACTOR FOR INSTALLATION.

NOTES:

1. SECTOR ORIENTATIONS WHICH WILL VARY FROM REGION TO REGION AND SITE SPECIFIC REFER TO PER REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
2. THE STRANGING IS BASED ON RIGHT COLORED TRAP-EASED, BLUE, GREEN, YELLOW, ORANGE, RED, PURPLE, AND WHITE. THESE TAPES SHOULD BE READILY AVAILABLE TO THE ELECTRICIAN OR CONTRACTOR ON SITE.
3. USING COLOR BANDS ON THE CABLES WORK ALL PER CABLES SECTORS AND CABLE NUMBER AS SHOWN ON CABLE MARKING COLOR CONVENTION TABLE.
4. ALL COLOR CODE TYPE SHALL BE 3/4" X 3/4" AND SHALL BE INSTALLED USING A MINIMUM OF (3) WHIPS OF TAPE AND SHALL BE NEATLY TRIMMED AND SMOOTHED OUT SO AS TO AVOID SHARPENING WHIPS OF TAPE AND SHALL BE A MINIMUM OF 3" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACING BETWEEN EACH COLOR.
5. ALL COLOR BANDS INSTALLED AT THE TOWER TOP SHALL BE A MINIMUM OF 3/4" WIDE.
6. ALL COLOR BANDS INSTALLED AT OR NEAR THE GROUND SHALL BE A MINIMUM OF 3/4" WIDE.
7. ALL COLOR CODES SHALL BE INSTALLED SO AS TO ALIGN NEATLY WITH ONE ANOTHER FROM SIDE-TO-SIDE.

ALL PER CABLE SHALL BE MARKED AS PER CABLE MARKING LOCATIONS TABLE BELOW:

NO.	TYPE	TYPE	LOCATION
1.	X		EACH TOWER JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS.
2.	X		EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS NEAR THE TOP-LAYER CONNECTION AND WITH (1) SET OF 3/4" WIDE COLOR BANDS JUST PRIOR TO ENTERING THE 8TS OR TRANSMITTER BUILDING.
3.		X	CABLE ENTRY POINT ON THE INTERIOR OF THE SHELTER (IF SHELTER IS USED).
4.	X		ALL BOTTOM JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM LAYER.
5.	X		ALL BOTTOM JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM LAYER.
6.		X	ALL BOTTOM JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM LAYER.



SECTOR ALPHA, A-X	CABLE A1	CABLE A2	CABLE A3	CABLE A4
SECTOR BETA, B-Y	1 BLUE	2 BLUE	3 BLUE	4 BLUE
SECTOR GAMMA, G-Z	1 WHITE	2 WHITE	3 WHITE	4 WHITE

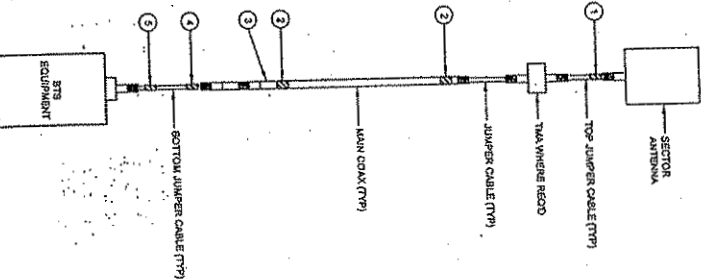
TERRADON
 Engineering & Technology
 12333 Canyon Blvd Ste 918
 Greenwood Village, Colorado 80123
 (303) 750-1000
 www.terradon.com

CANNONSBURG
 SITE NO. WY3002A
 12333 CANYON BLVD
 ASHLAND, CO 81402

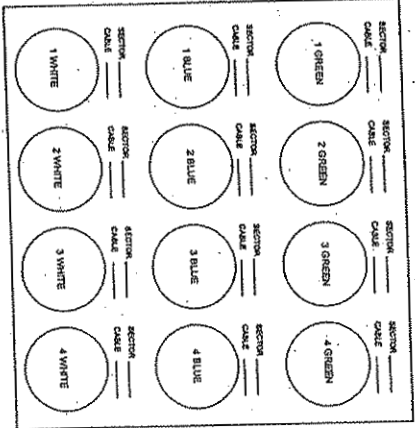


NO.	DATE	DESCRIPTION	BY	CHKD BY
1	08-11-08	PRELIMINARY	BR	DMK
2	08-11-08	REVISED TO WORKING	AS	DMK
3	08-11-08	REVISED TO WORKING	AS	DMK
4	08-11-08	REVISED TO WORKING	AS	DMK
5	08-11-08	REVISED TO WORKING	AS	DMK
6	08-11-08	REVISED TO WORKING	AS	DMK
7	08-11-08	REVISED TO WORKING	AS	DMK
8	08-11-08	REVISED TO WORKING	AS	DMK

CABLE MARKING LOCATIONS DIAGRAM
 DETAIL 885VA
 NTS



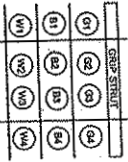
CABLE PORT DIAGRAM
 VIEW OF PORT FROM INSIDE SHELTER



COAXIAL LADDER ASSIGNMENT
 8TS FINISHED APPLICATION

- LEFT TO RIGHT FACING LADDER (1ST LAYER ADJACENT LADDER)
- LEFT TO RIGHT FACING LADDER (OUTSIDE LAYER)

COAXIAL ORIENTATION ON TRAPEZOID



COAXIAL LADDER ASSIGNMENT
 NOT STACKED APPLICATION

- LEFT TO RIGHT FACING TOWER
- LEFT TO RIGHT FACING TOWER

CINGULAR WIRELESS

COAX COLOR CODING
 DRAWING NUMBER: WY3002-14
 247392-421

PUBLIC NOTICE

MAILED TO LANDOWNERS, RESIDENTS, AND LOCAL PLANNING UNIT

On April 3, 2007, New Cingular Wireless PSC, LLC ("Cingular") will apply to the Public Service Commission of Kentucky for a Certificate Of Public Convenience And Necessity To Construct A Wireless Communications Facility in Boyd County, Kentucky and called the Cannonsburg Cell Site, Site #WV302A. Cingular may install and employ a Temporary Wireless Communications Facility, at or near the above Cell Site, during the pendency of the above Uniform Application. The facility will be located at 12633 Copley Road, Boyd County, Kentucky.

This notice is being sent to you because you own property that is located within a 500 foot radius of the proposed tower or you are the Boyd County Judge Executive for this facility in Boyd County.

The Public Service Commission invites your comments regarding the proposed construction by Cingular. Also, the Commission wants you to be aware of your right to intervene in this matter. That right must be exercised within 20 days of the date you receive this notice. Your comments and requests for intervention should be addressed to:

Beth A. O'Donnell
Executive Director
Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40602-0615

Please refer to Case No. 2007-00123 in your correspondence.

If you have any questions regarding this matter, please contact Holland N. ("Quint") McTyeire, V, Greenebaum Doll & McDonald PLLC, 3500 National City Tower, 101 South Fifth Street, Louisville, Kentucky 40202, (502) 589-4200, and/or Wendell S. Roberts, Gray, Woods & Cooper, 510-16th Street, P.O. Box 70, Ashland, Kentucky 41105, (606) 329-2121, counsel for Cingular.

This NOTICE was mailed on April 3, 2007.

This Notice was mailed, via Certified Mail, Return Receipt Requested, to all landowners within 500 feet of the proposed Wireless Communications Facility and to the County Judge Executive set forth on Exhibit G.

EXHIBIT G

Cannonsburg Cell Site		
PIDN	Resident/Property Address	Owner/Mailing Address
016-01-00-042 Deed Book 347 Page 255	William F. Scott and Harriett Scott 12834 Copley Road Ashland, KY 41102	William F. Scott and Harriett Scott 12834 Copley Road Ashland, KY 41102
016-01-00-045		
016-01-00-046 Deed Book 581 Page 016		
016-01-00-068 Deed Book 506 Page 484		
016-01-00-069		
016-01-00-043	George Gary and Sheryl Scott 6207 Lake Bonita Road Catlettsburg, KY 41129	George Gary and Sheryl Scott 6207 Lake Bonita Road Catlettsburg, KY 41129
016-01-00-044 Deed Book 566 Page 686	Kelly Leigh Williamson 12826 Copley Road Ashland, KY 41102	Kelly Leigh Williamson 12826 Copley Road Ashland, KY 41102
016-01-00-061 Deed Book 682, Page 393	Hinton Enterprises LLC 2350 Woodland Avenue Ashland, KY 41101	Hinton Enterprises LLC 2350 Woodland Avenue Ashland, KY 41101
016-01-00-064 Deed Book 555, Page 036	Robert and Neva Smith 1746 Nervie Street Ashland, KY 41102	Robert Smith and Neva Smith 1746 Nervie Street Ashland, KY 41102
016-01-00-66.01 Deed Book 537, Page 057		
016-01-00-66.02 Deed Book 538, Page 124		
016-01-00-065 Deed Book 400, Page 465	Nellie M. Griffith Copley Road Ashland, KY 41102	Nellie M. Griffith Copley Road Ashland, KY 41102

EXHIBIT G

Cannonsburg Cell Site		
016-01-00-66 Deed Book 506, Page 929	Liberty Missionary Baptist Church Copley Road Ashland, KY 41102	Liberty Missionary Baptist Church Copley Road Ashland, KY 41102
016-01-00-67 016-01-00-71 Deed Book 528 Page 410	John Petravice P.O. Box 329 Ashland, KY 41102	John Petravice P.O. Box 329 Ashland, KY 41102
	Clyde ("Bud") Stevens Boyd County Judge Executive Courthouse 2800 Louisa St. P.O. Box 423 Catlettsburg, KY 41129-0423	Clyde ("Bud") Stevens Boyd County Judge Executive Courthouse 2800 Louisa St. P.O. Box 423 Catlettsburg, KY 41129-0423

1500446_1.doc

PUBLIC NOTICE

POSTED AT CANNONSBURG CELL SITE

This Notice advises that New Cingular Wireless PCS, LLC ("Cingular") proposes to construct a Telecommunications Tower or Monopole on this site. If you have any questions, please contact Holland N. ("Quint") McTyeire, V, Greenebaum Doll & McDonald PLLC, 3500 National City Tower, 101 South Fifth Street, Louisville, Kentucky 40202, (502) 589-4200, counsel for Cingular, or the Executive Director, Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615. Please refer to Case No. 2007-00123 in your correspondence.

This NOTICE was posted on or before April 9, 2007.

This Notice is two (2) feet by four (4) feet in size and the word Tower or Monopole is printed in letters at least four (4) inches high.

PUBLIC NOTICE

**POSTED AT NEAREST PUBLIC ROAD
TO THE CANNONBURG CELL SITE**

This Notice advises that New Cingular Wireless PCS, LLC ("Cingular") proposes to construct a Telecommunications Tower or Monopole near this site. If you have any questions, please contact Holland N. ("Quint") McTyeire, V, Greenebaum Doll & McDonald PLLC, 3500 National City Tower, 101 South Fifth Street, Louisville, Kentucky 40202, (502) 589-4200, counsel for Cingular, or the Executive Director, Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615. Please refer to Case No. 2007-00123 in your correspondence.

This NOTICE was posted on or before April 9, 2007.

This Notice is two (2) feet by four (4) feet in size and the word Tower or Monopole is printed in letters at least four (4) inches high.

1500460_1.doc

EXHIBIT H

Page 2 of 2

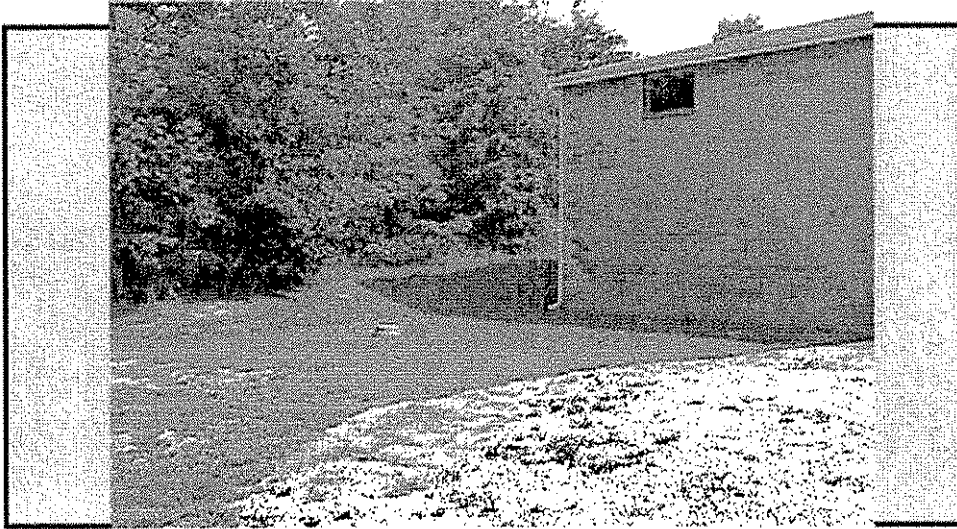
LEGAL NOTICE

On April 3, 2007, New CingularWireless PCS, LLC (“Cingular”) will apply to the Public Service Commission of Kentucky for a Certificate Of Public Convenience And Necessity To Construct A Wireless Communications Facility and called the Cannonsburg Cell Site, Site #WV302A. The facility will be located at 12633 Copley Road, Boyd County, Kentucky. Cingular may install and employ a Temporary Wireless Communications Facility, at or near the above Cell Site, during the pendency of the above Application. This Legal Notice is to advise you of the Application filed by Cingular. The Public Service Commission invites your comments regarding the proposed construction by Cingular.

If you have any questions, please contact Holland N. (“Quint”) McTyeire, V, Greenebaum Doll & McDonald PLLC, 3500 National City Tower, 101 South Fifth Street, Louisville, Kentucky 40202, (502) 589-4200, counsel for Cingular, or the Executive Director, Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615. Please refer to Case No. 2007-00123 in your correspondence.

EXHIBIT I

Page 1 of 1



VIEW NORTH FROM THE SITE



VIEW SOUTH FROM THE SITE



VIEW EAST FROM THE SITE



VIEW WEST FROM THE SITE



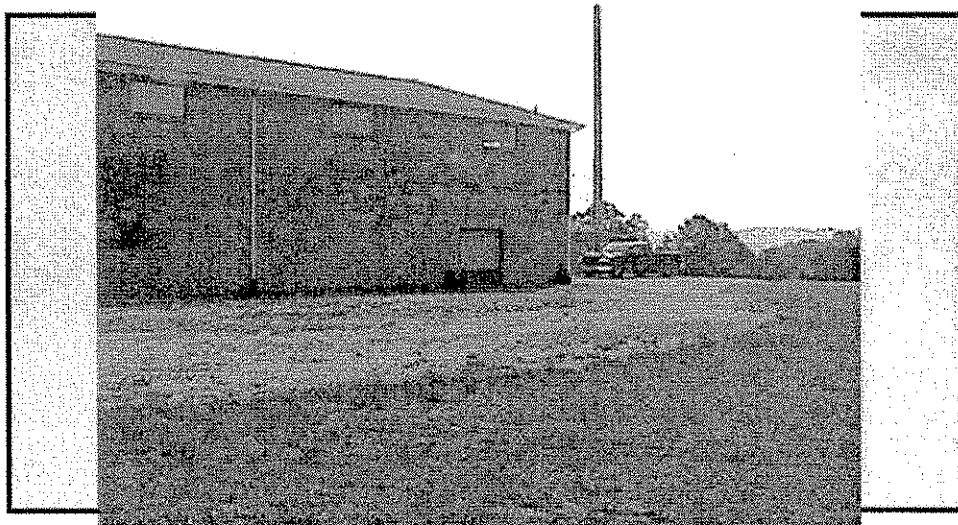
VIEW NORTH TO THE SITE



VIEW SOUTH TO THE SITE



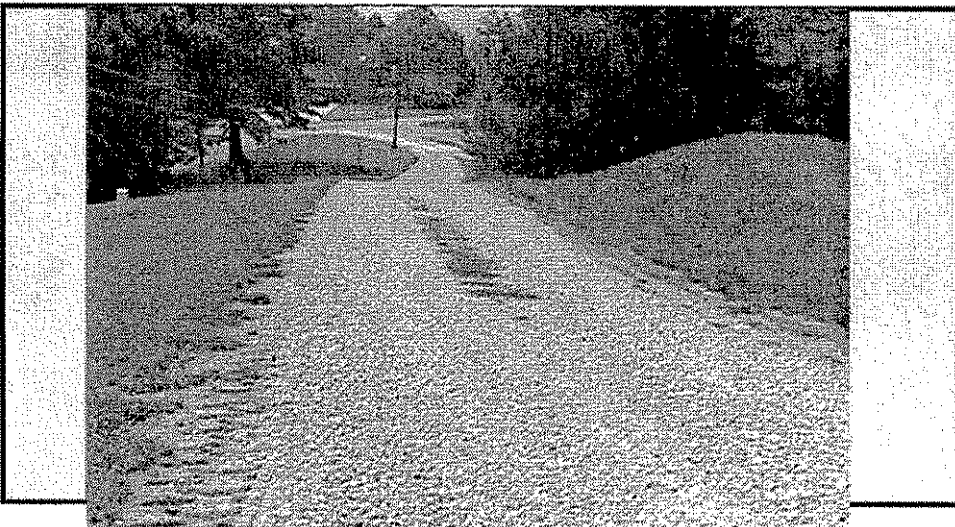
VIEW EAST TO THE SITE



VIEW WEST TO THE SITE



VIEW OF INGRESS



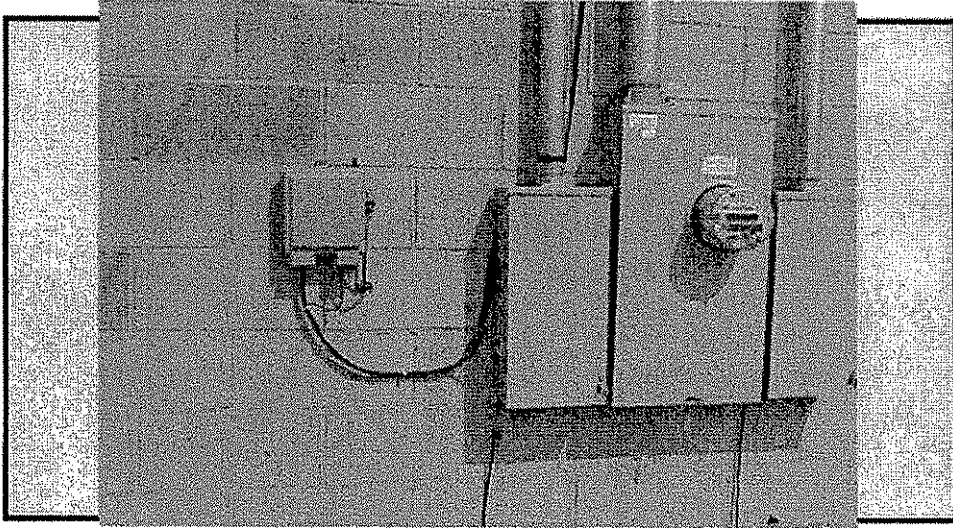
VIEW OF EGRESS



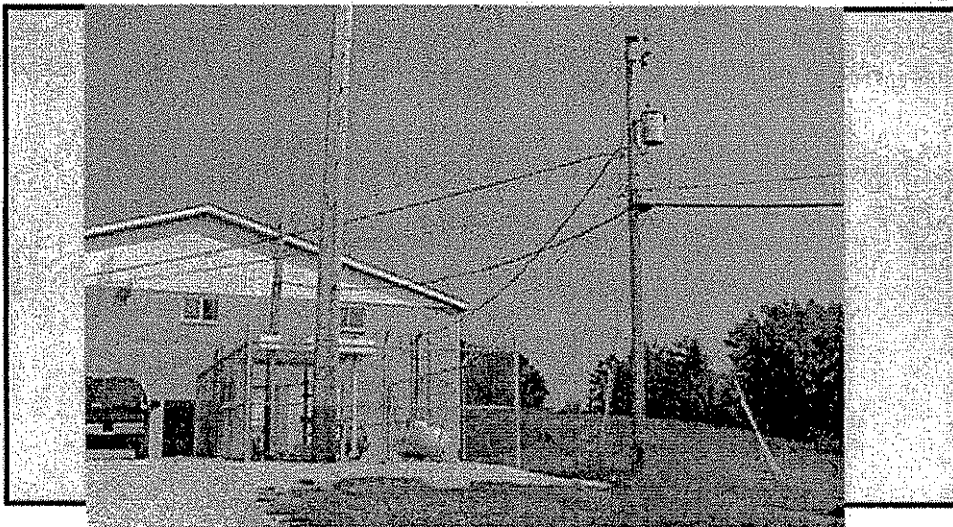
VIEW OF ACCESS ROAD



VIEW OF FRONT OF SITE OFF ROAD



VIEW OF TELCO NEAR SITE



VIEW OF TRANSFORMER CLOSEST TO SITE

PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING NEW COMMUNICATIONS TOWER WITH ANTENNAS AND AN EQUIPMENT SHELTER

SITE ADDRESS: 1793 COPLEY ROAD ASHLAND, KY 4102

LATITUDE (NAD83): N 38°22'59.5"

LONGITUDE (NAD83): W 82°42'41.7"

JURISDICTION: BOYD COUNTY, KENTUCKY

ZONING DISTRICT CLASSIFICATION: WIRELESS COMMUNICATIONS

TAX ID NUMBER: WESTMORELAND DISTRICT, TAX MAP 1, PARCEL 14

DEED REFERENCE: DEED BOOK 610, PAGE 284

PROPOSED USE: TELECOMMUNICATIONS FACILITY

PROPERTY OWNER: MARK & TAMMY KAZBE

NAME OF APPLICANT: CINGULAR WIRELESS

DRAWING INDEX

DRAWING INDEX	REV
WV302A-01 TITLE SHEET	B
WV302A-02 SITE PLAN	B
WV302A-03 SLAB LAYOUT PLAN & ELEVATION VIEW	B
WV302A-04 SLAB DETAIL	B
WV302A-05 CONSTRUCTION NOTES	B
WV302A-06 CONSTRUCTION DETAILS	B
WV302A-07 FENCE NOTES & DETAILS	B
WV302A-08 ELECTRICAL NOTES & DETAILS	B
WV302A-10 GROUNDING NOTES AND PLAN	B
WV302A-12 ANTENNA SCHEMATIC & DETAILS	B
WV302A-14 COAX COLOR CODING	B
WV302A-15 RADIUS MAP	B

NOTES

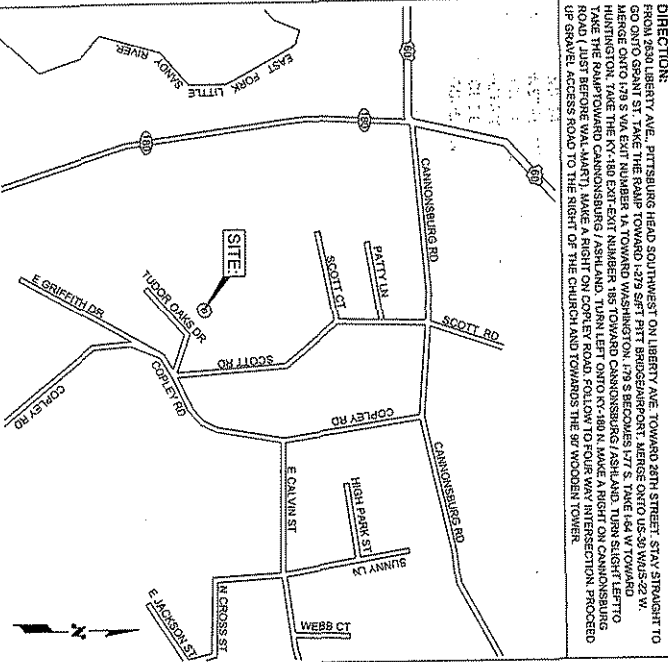
1. SEE THE FOLLOWING NOTES, SYMBOLS AND DETAILS, BECHTEL DOCUMENT NUMBER 24782-008-A3-EF-00001 FOR THE IMPLEMENTATION OF THIS SITE DESIGN PACKAGE:

CONCRETE AND REINFORCING STEEL NOTES (DETAIL 100)
 PRECAST BUILDING CODES AND STANDARDS (DETAIL 101)
 SITE WORK GENERAL NOTES (DETAIL 610)
 STRUCTURAL STEEL NOTES (DETAIL 611)
 GROUNDING NOTES (DETAIL 620)
 ELECTRICAL NOTES (DETAIL 621)
 ELECTRICAL NOTES (DETAIL 622)
 ELECTRICAL NOTES (DETAIL 623)
 OPENFIELD TVSS NOTES (DETAIL 624)



SITE NUMBER: WV302A
SITE NAME: CANNONSBURG

VICINITY MAP



APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY. THE LATEST EDITION OF THE FOLLOWING STANDARDS SHALL GOVERN THE DESIGN AND CONSTRUCTION OF THE WORK UNLESS OTHERWISE SPECIFIED ON THE SITE OR CONTRACT AND SHALL GOVERN THE DESIGN:

BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC 2009)

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE (NEC 1999) WIRING AMENDMENTS

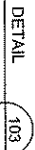
TELECOMMUNICATIONS: TELECOMMUNICATIONS AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

TELECOMMUNICATIONS: TELECOMMUNICATIONS AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

TELECOMMUNICATIONS: TELECOMMUNICATIONS AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

TELECOMMUNICATIONS: TELECOMMUNICATIONS AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

TELECOMMUNICATIONS: TELECOMMUNICATIONS AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS



NO.	DATE	REVISIONS	PREPARED BY	CHECKED BY	DATE
1	11-02-08				
2	11-02-08				
3	11-02-08				
4	11-02-08				
5	11-02-08				

CHANGED TO: UNIFORMITY
 PRELIMINARY
 REVISIONS

PREPARED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 11-02-08

ISSUED BY: [Signature]
 DATE: 11-02-08



ERRADON
 Engineering - Surveying - Landscaping - Architecture
 1115 N. 2nd Ave. Suite 25143
 (304) 752-2531 FAX 752-2536

CANNONSBURG
 SITE NO. WV302A
 12633 COPLEY ROAD
 ASHLAND, KY 41002

cingular
 WIRELESS

NO.	DATE	REVISIONS	PREPARED BY	CHECKED BY	DATE
1	11-02-08				
2	11-02-08				
3	11-02-08				
4	11-02-08				
5	11-02-08				

CHANGED TO: UNIFORMITY
 PRELIMINARY
 REVISIONS

PREPARED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 11-02-08

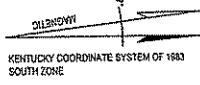
ISSUED BY: [Signature]
 DATE: 11-02-08

NO.	DATE	REVISIONS	PREPARED BY	CHECKED BY	DATE
1	11-02-08				
2	11-02-08				
3	11-02-08				
4	11-02-08				
5	11-02-08				

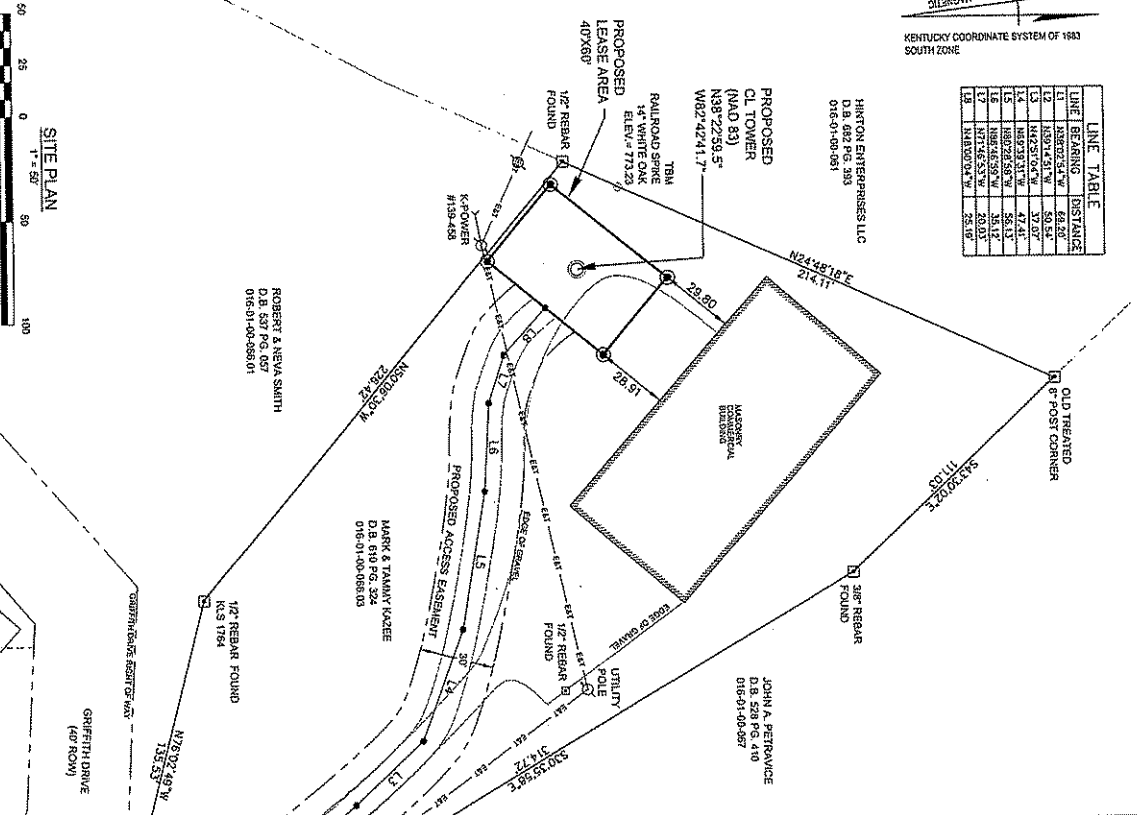
CHANGED TO: UNIFORMITY
 PRELIMINARY
 REVISIONS

PREPARED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 11-02-08

ISSUED BY: [Signature]
 DATE: 11-02-08



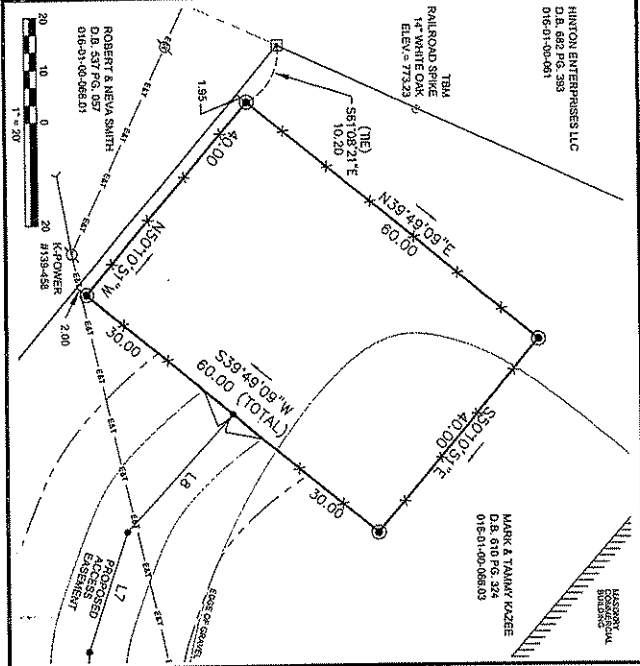
LINE	BEARING	DISTANCE
L1	N24°45'18"E	214.11'
L2	S81°08'21"E	10.20'
L3	N42°31'44"W	47.41'
L4	N88°46'53"W	56.13'
L5	N88°46'53"W	28.03'
L6	N71°46'53"W	28.03'
L7	N49°03'51"E	58.03'



SITE PLAN

TERRADON
 Engineering & Surveying
 12813 COPLEY ROAD
 ASHLAND, KY 41102

CANNONSBURG
 SITE NO. WV302A
 12813 COPLEY ROAD
 ASHLAND, KY 41102



PROPOSED ACCESS EASEMENT

STATE OF KENTUCKY
 STEVEN M. NEWTON
 2664
 LICENSED PROFESSIONAL LAND SURVEYOR



DATE REVISION
 1-11-07
 11-10-06
 08-08-06

NO.	DATE	DESCRIPTION	BY	CHK
1	1-11-07	CHANGED TO DOUBLE	JLS	STI
2	11-10-06	PROLUNGATED	WAL	STI
3	08-08-06	REVISION	STI	STI

LEGAL DESCRIPTIONS:

ACCESS EASEMENT:
 BEING A 50' WIDE STRIP OF LAND, 15' EITHER SIDE OF CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCING AT A 3/8" REBAR FOUND (KLS 778) ON THE NORTHERN EDGE OF GRIFFIN DRIVE RIGHT OF WAY, THENCE N88°08'21"E 10.20' TO THE POINT OF BEGINNING, THENCE S81°08'21"E 10.20' TO A POINT, THENCE N39°14'51"W 60.00' TO A POINT, THENCE S39°14'51"W 60.00' (TOTAL) TO A POINT, THENCE S70°03'51"E 40.00' TO A POINT, THENCE S81°08'21"E 10.20' TO THE POINT OF BEGINNING.

LEGEND:

- PROPERTY LINE
- EXISTING FENCE LINE
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- FOUND MONUMENTATION
- REBAR MARK POINT
- TELEPHONE OR ELECTRIC RESER
- UTILITY POLE
- CONCRETE AREA

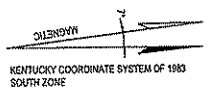
FAA ACCURACY STATEMENT:

THE FOLLOWING DATA FOR THE PROPOSED ST. ALBANS TOWER SITE LOCATED IN UNION DISTRICT, PLEASANTS COUNTY, WEST VIRGINIA, PERTAINS TO THE FAA 2-D ACCURACY REQUIREMENTS OF PLUS OR MINUS 8' HORIZONTALLY AND PLUS OR MINUS 20' VERTICALLY.
 CENTER OF PROPOSED TOWER AT NATURAL GROUND ELEVATION = 779. FEET OR 277.4 METERS.
 MAGNITUDE: N 88°22'29.5"
 MAGNITUDE: W 82°42'41.7"
 HORIZONTAL AND VERTICAL INFORMATION DETERMINED BY FIELD SURVEY UTILIZING A GPS UNIT TRIMBLE PRO XRS.

NOTES:

EXTERIOR PROPERTY LINE BEARINGS AND DISTANCES ARE TAKEN FROM DEED INFORMATION AND FIELD SURVEY.
 PROPOSED TOWER SITE IS 0.8 ACRES.
 DATE OF FIELD SURVEY: NOVEMBER 2006.

NO.	DATE	DESCRIPTION	BY	CHK
1	04-28-07	SITE PLAN	WAL	STI



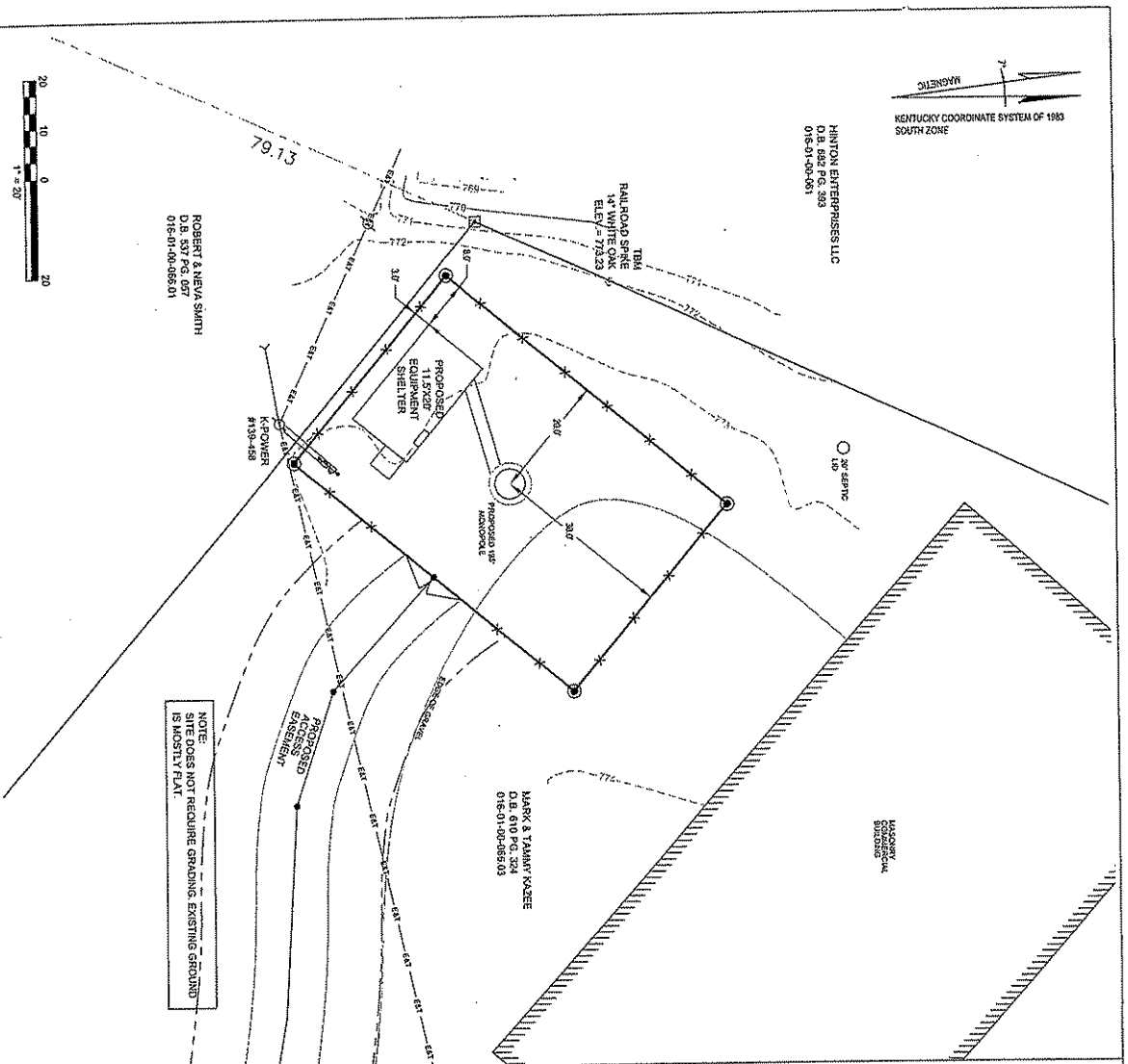
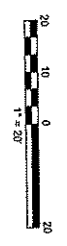
KENTUCKY COORDINATE SYSTEM OF 1983
SOUTH ZONE

HINTON ENTERPRISES LLC
D.B. 692 PG. 393
016-01-00-0051

RAILROAD SPUR
1/2" WHITE OAK
ELEV. = 772.33

ROBERT & NEVA SMITH
D.B. 537 PG. 057
016-01-00-05601

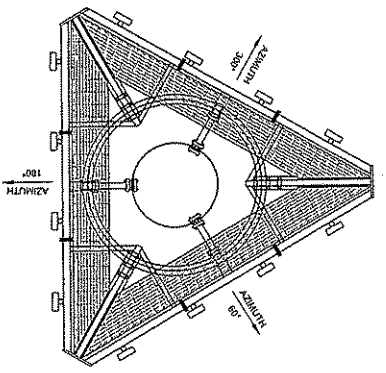
MARK & TAMMY KAZEE
D.B. 610 PG. 324
016-01-00-05503



NOTE:
SITE DOES NOT REQUIRE GRADING EXISTING GROUND
IS MOSTLY FLAT.

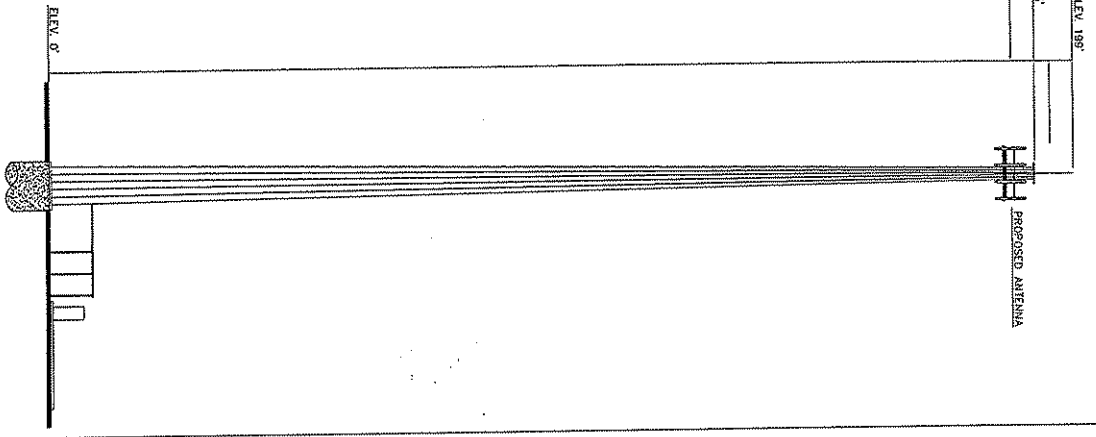


CALL BEFORE YOU DIG
STATE OF KENTUCKY
1-800-252-6097



PLAN VIEW
TOWER MOUNTING DETAIL
LOW PROFILE PLATFORM

TOP OF LIGHTNING ROD ELEV. 195'
TOP OF TOWER ELEV. 195'
RAD CENTER ELEV. 193'



TOWER ELEVATION
M.F.S.

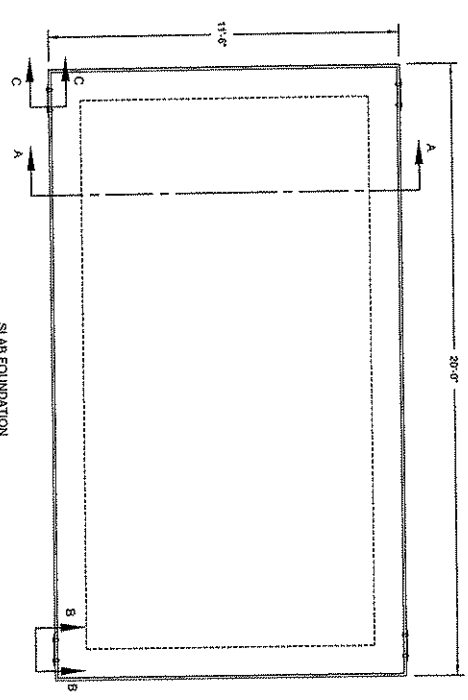
TERRADON
Engineering - Surveying - Construction Administration
Wilmington, North Carolina 28403
252-752-2688

CANNONSBURG
SITE NO. WV302A
12653 COPLEY ROAD
ASHLAND, KY 41102

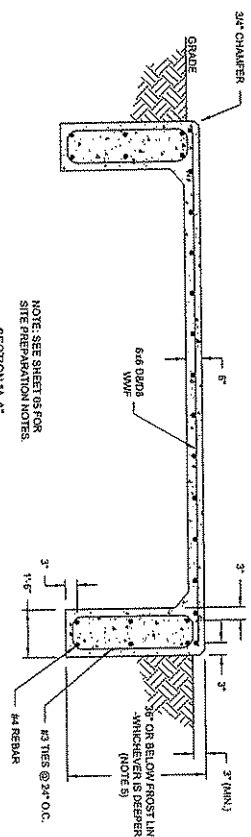


NO.	DATE	REVISIONS	BY	CHKD
B	3-31-07	CHANGED TO 240000000	AS	CSZ
A	11-28-06	FIELDWORK	MMH	CSZ
1		RESPONSE	BT	CSZ

SCALE	AS SHOWN	DESIGNED BY	WVAW	DRAWN BY	WVAW
CINGULAR WIRELESS					
SITE LAYOUT PLAN AND ELEVATION VIEW					
24732-421	WV302-03				



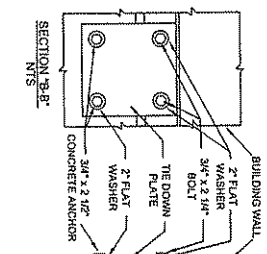
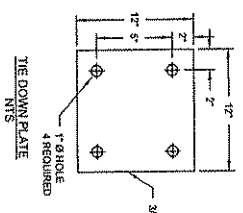
SLAB FOUNDATION
NTS



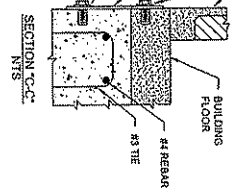
SECTION A-A

NOTE: SEE SHEETS FOR
SITE PREPARATION NOTES

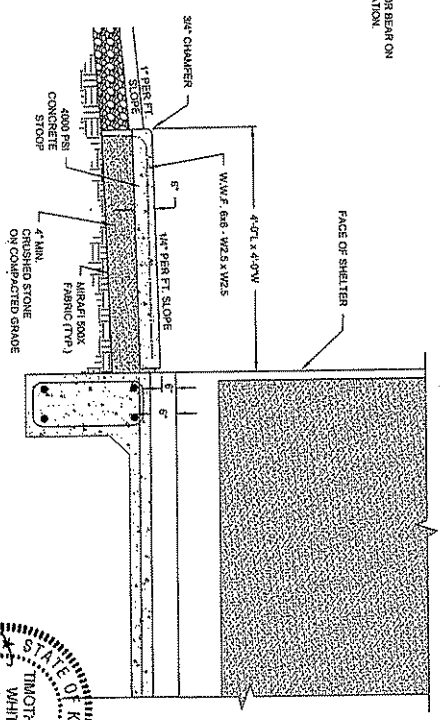
- NOTES:**
1. REFER TO MANUFACTURERS SPECIFICATIONS FOR SITE SPECIFIC CRITERIA.
 2. CONCRETE STRENGTH SHALL BE A MINIMUM OF 4000 PSI.
 3. THE DOWN PLATES, ANCHORS, AND HARDWARE TO BE PROVIDED BY THE SHELTER MANUFACTURER.
 4. SLAB TO BE LEVEL AND FLAT.
 5. FOOTING SHALL EXTEND TO DEPTH SHOWN OR BEAR ON SOLID ROCK IF ENCOUNTERED DURING EXCAVATION.



SECTION B-B
NTS



SECTION C-C
NTS



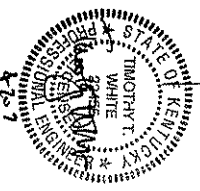
TERRADON
ENGINEERS ARCHITECTS
P.O. BOX 318
72414
24782-421
12633 COPLEY ROAD
ASHLAND, KY 41102

CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102



NO.	DATE	DESCRIPTION	BY	CHECKED
B	1-31-07	DESIGNED TO UNUSUAL	JSJ	CGP
X	11-08-06	PRELIMINARY	WDJ	CGP
		REVISIONS		

CINGULAR WIRELESS
SLAB DETAIL
PROJECT NUMBER
24782-421
WV302-04



NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS REQUIRED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PITS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKERS. THIS WILL INCLUDE BUT NOT BE LIMITED TO A FALL PROTECTION BY COMPLETED SPACE BY ELECTRICAL SAFETY BY RELOCATING EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND REVERSE PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BVS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVWAY SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN COMPLIANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

SITE WORK GENERAL NOTES:

DETAIL 619



NOTES:

1. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A53 UNLESS OTHERWISE NOTED.
2. ALL WELDING SHALL BE PERFORMED USING E70X ELECTRODES AND WELDING SHALL CONFORM TO AISC W885 WHERE FILLET WELDS ARE NOT SHOWN. PROVIDE THE MINIMUM SIZE PER TABLE 3.2 IN THE AISC 360 CODE BOOK FOR THE CONNECTION - PAINTED SURFACES SHALL BE TOUCHED UP.
3. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4") CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
4. NON-STRUCTURAL CONNECTIONS FOR STEEL BRACING MAY USE 5/8" DIA. ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
5. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR FOR DOWEL OR ROD SHALL CONFORM TO THE DRAWINGS, AND REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL. WHEN DRILLING HOLES IN CONCRETE, SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS.

STRUCTURAL STEEL NOTES:

DETAILS 620



CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 308, ACI 309, ACI 310, ACI 311, ACI 312, ACI 313, ACI 314, ACI 315, ACI 316, ACI 317, ACI 318, ACI 319, ACI 320, ACI 321, ACI 322, ACI 323, ACI 324, ACI 325, ACI 326, ACI 327, ACI 328, ACI 329, ACI 330, ACI 331, ACI 332, ACI 333, ACI 334, ACI 335, ACI 336, ACI 337, ACI 338, ACI 339, ACI 340, ACI 341, ACI 342, ACI 343, ACI 344, ACI 345, ACI 346, ACI 347, ACI 348, ACI 349, ACI 350, ACI 351, ACI 352, ACI 353, ACI 354, ACI 355, ACI 356, ACI 357, ACI 358, ACI 359, ACI 360, ACI 361, ACI 362, ACI 363, ACI 364, ACI 365, ACI 366, ACI 367, ACI 368, ACI 369, ACI 370, ACI 371, ACI 372, ACI 373, ACI 374, ACI 375, ACI 376, ACI 377, ACI 378, ACI 379, ACI 380, ACI 381, ACI 382, ACI 383, ACI 384, ACI 385, ACI 386, ACI 387, ACI 388, ACI 389, ACI 390, ACI 391, ACI 392, ACI 393, ACI 394, ACI 395, ACI 396, ACI 397, ACI 398, ACI 399, ACI 400.
2. ALL CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A618, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED REBAR UNLESS NOTED OTHERWISE SHALL BE CLASS "60" AND ALL HOOKS SHALL BE STANDARD, UNLESS NOTED OTHERWISE.
4. REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS.
 - CONCRETE CAST AGAINST EARTH: 2 IN.
 - CONCRETE EXPOSED TO WEATHER: 2 IN.
 - CONCRETE EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND: 1 1/2 IN.
 - #8 AND LARGER: 2 IN.
 - #6 AND SMALLER & W/W: 1 1/2 IN.
 - SLAB AND WALL: 3/4 IN.
 - BEAMS AND COLUMNS: 1 1/2 IN.
5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNLESS NOTED OTHERWISE WITH ACI 301 SECTION 4.2.4.
6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR FOR DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS AND REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY MANUFACTURER OR APPROVED EQUAL.

CONCRETE AND REINFORCING STEEL NOTES

102

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 - OWNER - CINGULAR
 - SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 - OWNER - ORIGINAL EQUIPMENT MANUFACTURE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, RULES, REGULATIONS, AND LAWS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
5. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND T1 CABLES, GROUNDING DRAWINGS.
9. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PLANTINGS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
10. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS DERIVED FROM THE EXISTING FACILITY. ANTI-BANDS REMOVED SHALL BE RETURNED TO THE OWNERS DESIGNATED LOCATION.
11. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
12. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 24782-000-3495-AC002-00027 - GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF CINGULAR GSM SITES.

DETAIL 623



ABBREVIATIONS & SYMBOLS

- ABBREVIATIONS**
- AGL ABOVE GRADE LEVEL
 - BTS BASE TRANSCIEVER STATION
 - (E) EXISTING
 - MIN MINIMUM
 - N.T.S. NOT TO SCALE
 - REF. REFERENCE
 - RF. RADIO FREQUENCY
 - T.B.D. TO BE DETERMINED
 - T.B.R. TO BE RESOLVED
 - TYP. TYPICAL
 - REQ. REQUIRED
 - EQ. EQUIPMENT GROUND RING
 - ANG. AMERICAN WIRE GAUGE
 - MGB. MASTER GROUND BUS
 - EG. EQUIPMENT GROUND
 - B/C/W. BARE COPPER WIRE
 - SHD. SMART INTERFERED ACCESS DEVICE
 - GEN. GENERATOR
 - ISR. INTERIOR GROUND RING (HALO)
 - RSS. RADIO BASE STATION
- SYMBOLS**
- SOLID GROUND BUS BAR
 - SOLID NEUTRAL BUS BAR
 - SUPPLEMENTAL GROUND CONDUCTOR
 - 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
 - SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
 - CHEMICAL GROUND ROD
 - GROUND ROD
 - DISCONNECT SWITCH
 - METER
 - CANWELD TYPE CONNECTION
 - COMPRESSION TYPE CONNECTION
 - GROUNDING WIRE

112

TERADON
Engineering - Surveying - Landscape Architecture
Rt. 100, Box 500
25143
(204) 725-8381 FAX 725-2636

CANNONSBURG
SITE NO. WY302A
12613 COPLEY ROAD
ASHLAND, CT 41102

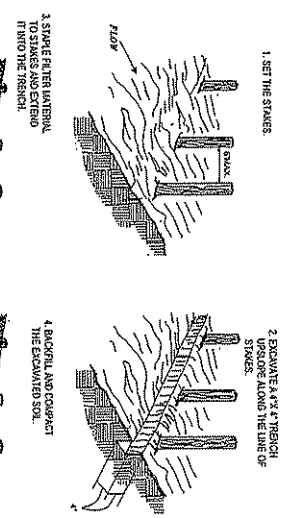
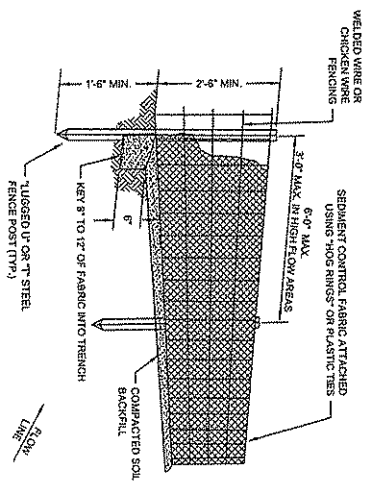
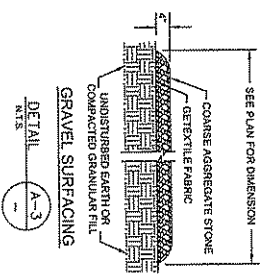
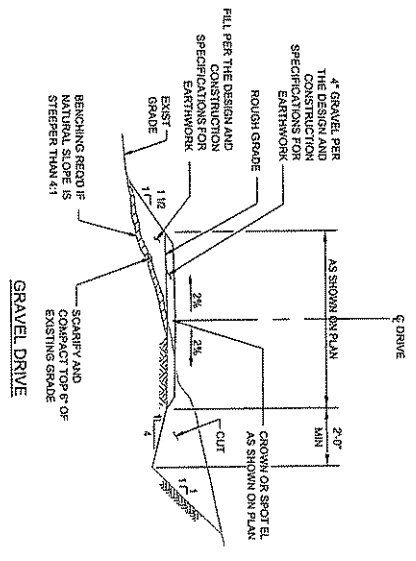
cingular
WIRELESS

NO.	DATE	BY	CHK.	APPV.
8	3-11-07	CHANDLER	JDS	CDP
11	06-06	REQUINER	WAL	CDP
		ROBINSON	BT	CDP



CONSTRUCTION NOTES

NO.	DATE	BY	CHK.	APPV.



SILT FENCE NOTES:

1. SILT FENCE IS A TEMPORARY SEDIMENTATION CONTROL MEASURE CONSISTING OF WOODEN OR OTHER FENCE POSTS AND GEOTEXTILE FABRIC. SILT FENCE (1) REDUCES THE VELOCITY OF SHEET FLOW TO A NON-EROSIVE LEVEL, AND (2) RETAINS SUSPENDED SOIL PARTICLES FROM LEAVING THE CONSTRUCTION SITE.
2. SILT FENCE MAY BE INSTALLED WHERE SHEET FLOW EXCESSIVE CONTROL ARE SWALES, MAY DEVELOP.
3. THE TYPE OF SILT FENCE SPECIFIED SHOULD BE CONSIDERED WHEN ATTEMPTING TO CONTROL SHEET FLOW. POSITION AND CONSTRUCTION OF SILT FENCE SHOULD BE SPECIFIED AND INSTALLATION OF SEVERAL SUPPORT SYSTEM AND THE GRADE OF GEOTEXTILE FILTER FABRIC.
4. THE FIELD LOCATION SHOULD BE ADJUSTED, AS NEEDED, TO PROVIDE THE MOST EFFECTIVE CONTROL OF SHEET FLOW EROSION AND SEDIMENTATION.
5. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED TO INSURE THAT THE SILT FENCE CONTINUES TO OPERATE EFFICIENTLY.
6. THE SILT FENCE GEOTEXTILE FILTER FABRIC SHALL BE REINFORCED WITH CONSTRUCTION HARDWARE CLOTH, 5\"/>

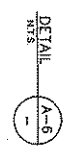
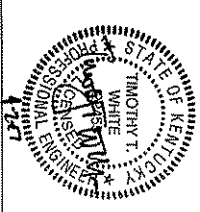
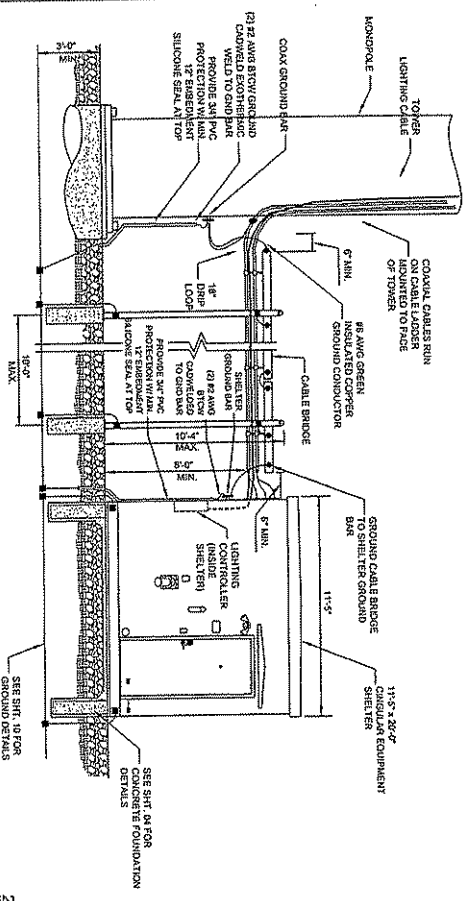


PLATE 3.6-2

NO.	DATE	REVISIONS	BY	CHECK	APP'D
B	3-31-07	CHANGED TO WIRELESS	JLS	CDP	ERT
A	11-08-06	PRELIMINARY REVISIONS	WVW	CDP	ERT

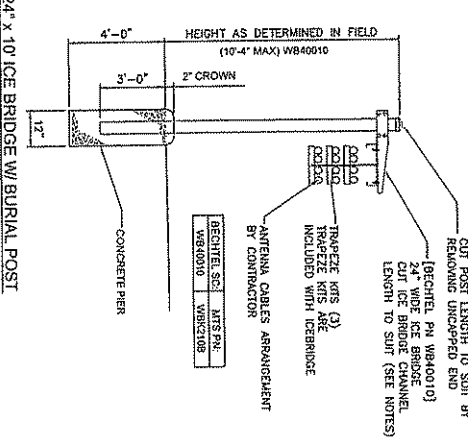
CINGULAR WIRELESS
 CONSTRUCTION DETAILS



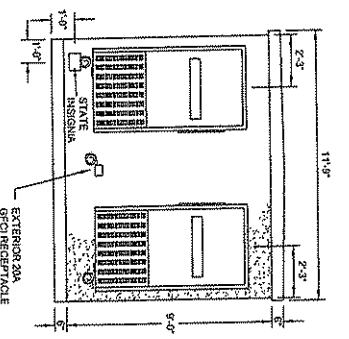


EQUIPMENT ELEVATION W/ GROUNDING

DETAIL 108/110
NTS

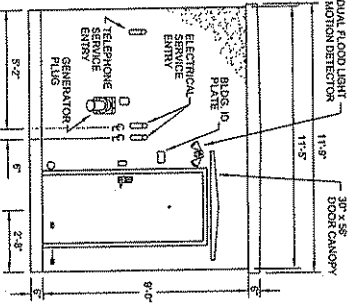
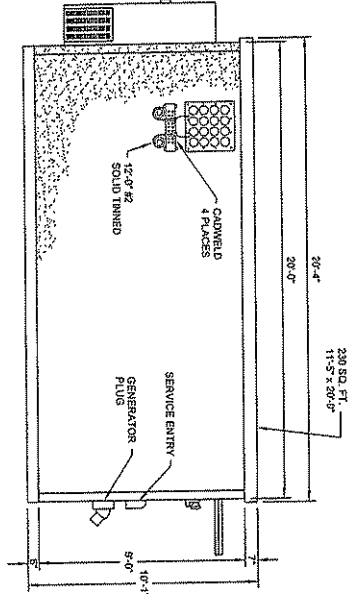


24\"/>



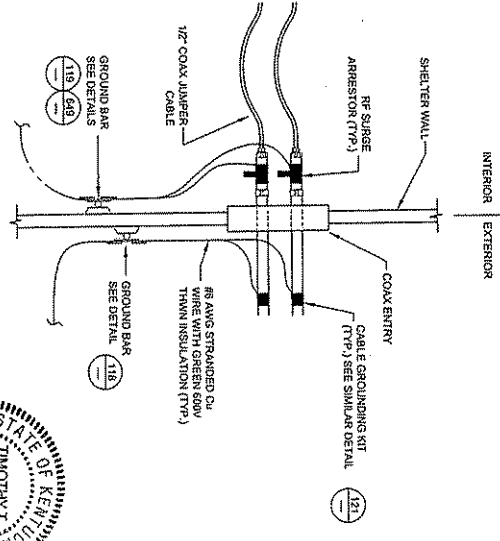
EQUIPMENT SHELTER ELEVATIONS

DETAIL D-8
NTS



NOTE: GROUND BAR AND CANOPY ARE SHIPPED LOOSE WITH THE SHELTER (INSTALLED BY GC)

- NOTES:
- WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS IN A BRIDGE CHANNEL SHOULD BE 9 FEET FOR 10 FEET BRIDGE CHANNEL.
 - WHEN USING COMPONENTS FOR SPlicing BRIDGE CHANNEL SECTIONS, THE SPlice SHOULD BE PROVIDED AT THE FREE END OF THE ICE BRIDGE.
 - CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THESE SECTIONS TO THE ORIGINAL CHANNEL, OR EQUIVALENT, FINISH.
 - ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM OTHER MANUFACTURERS, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 - DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
 - THE DESIGN IS BASED ON ASCE 7-98, 3 SECOND GUST WIND SPEED OF 110 MPH, EXPOSURE C, ELEVATION AT GRADE.
 - THIS DESIGN IS BASED ON 24\"/>



EXTERIOR ANTENNA CABLE GROUNDING AT SHELTER COAX ENTRY PORT

DETAIL 126
NTS

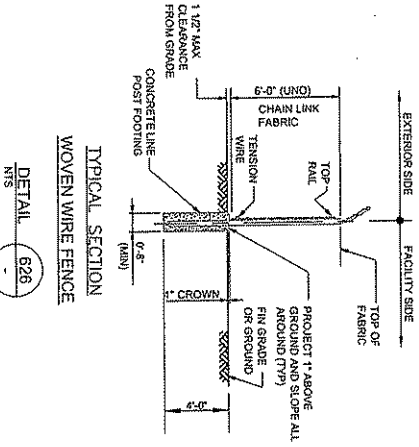
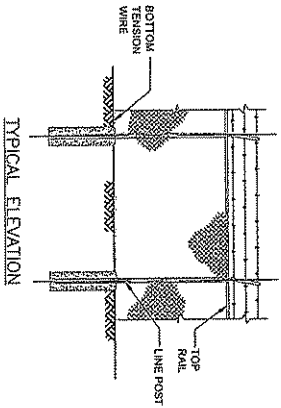


NO.	DATE	DESCRIPTION
1	11-03-06	PRELIMINARY REVISIONS
2	1-31-07	CHANGED TO UPGRADE
3	11-03-07	PRELIMINARY REVISIONS

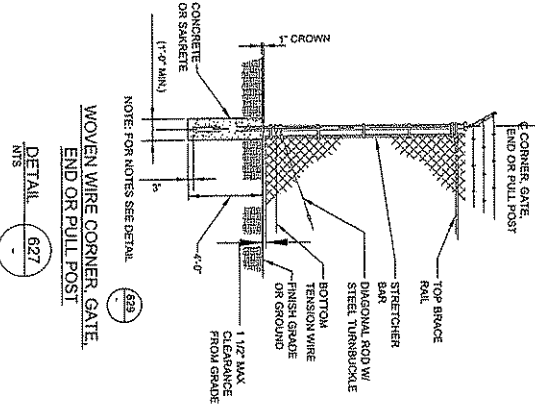
NO.	DATE	DESCRIPTION
1	11-03-06	PRELIMINARY REVISIONS
2	1-31-07	CHANGED TO UPGRADE
3	11-03-07	PRELIMINARY REVISIONS

CINGULAR WIRELESS

CONSTRUCTION DETAILS



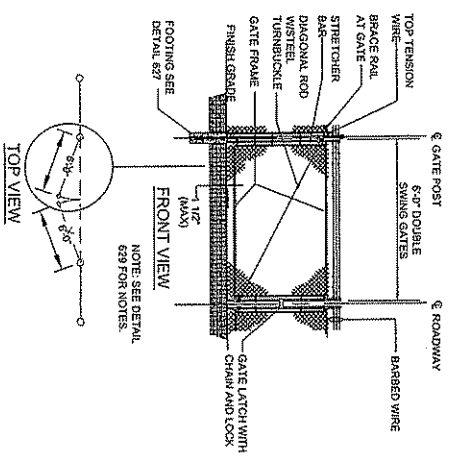
TYPICAL SECTION
WOVEN WIRE FENCE
DETAIL 626
NTS



WOVEN WIRE CORNER GATE,
END OR PULL POST
DETAIL 629
NTS



- NOTES:**
- INSTALL FENCING PER ASTM F-497, SWING GATES PER ASTM F-900
 - GATE POST, CORNER, TERMINAL OR PULL POST SHALL BE 2 3/8" SCHEDULE 40 PIPE GATE WIDTHS UP THROUGH 8 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM F-1083.
 - LINE POST: 2 3/8" SCHEDULE 40 PIPE PER ASTM F-1083.
 - GATE FRAME: 1 1/2" SCHEDULE 40 PIPE PER ASTM F-1083.
 - TOP RAIL & BRACE RAIL: 1 1/4" SCHEDULE 40 PIPE PER ASTM F-1083.
 - FABRIC: 9 GA. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM A-952 CLASS 1.
 - THE WIRE: MINIMUM 11 GA. GALVANIZED STEEL. INSTALL A SINGLE WRAP THE WIRE AT POSTS AND RAILS AT MAX. 24" INTERVALS. INSTALL HOUSINGS ON TENSION WIRE AT 24" INTERVALS.
 - TENSION WIRE: 7 GA. GALVANIZED STEEL.
 - BARBED WIRE: 3 STRANDS OF DOUBLE STRANDED 12-1/2 GAUGE TWISTED WIRE, 4 FT. BARBS SPACED ON APPROXIMATELY 5" CENTERS.
 - GATE LATCH: 1 3/8" O.D. PLUNGER ROD W/ HUBROOM TYPE CATCH AND LOCK (KEYED ALIKE FOR ALL SITES OR COMBINATION AS SPECIFIED BY CINGULAR).
 - LOCAL ORDINANCE FOR BARBED WIRE PERMITS SHALL GOVERN INSTALLATION. HEIGHT = 6" VERTICAL + 1" BARBED WIRE VERTICAL DIMENSION.
 - ALL WORK SHALL CONFORM WITH THE PROJECT SPECIFICATIONS.
 -
 -



WOVEN WIRE SWING GATE, DOUBLE
DETAIL 638
NTS

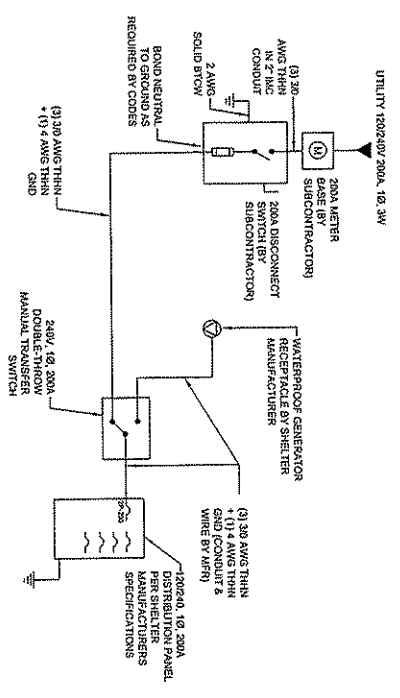
NO.	DATE	DESCRIPTION	BY	CHK	APPV
1	11-25-06	PRELIMINARY	MMW	CSF	BSF
2	12-21-07	CHANGED TO LONGHOLE	JLS	CSF	BSF
3	12-21-07	REVISION	MMW	CSF	BSF
4	12-21-07	REVISION	MMW	CSF	BSF

CANNONSBURG
SITE NO. WY902A
12633 COPLEY ROAD
ASHLAND, KY 41102



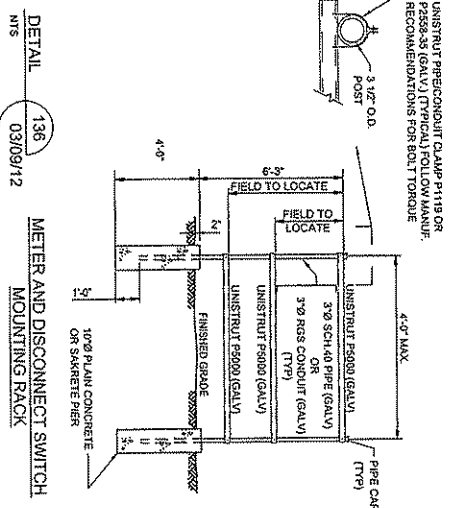
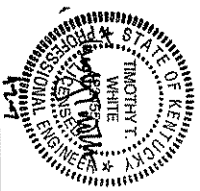
ERRADON
Engineering - Planning - Landscape Architecture
P.O. Box 519
Nina, KY 40354
(502) 752-2331 FAX 752-2332

CINGULAR WIRELESS
FENCE NOTES AND DETAILS
DRAWING NUMBER
REV

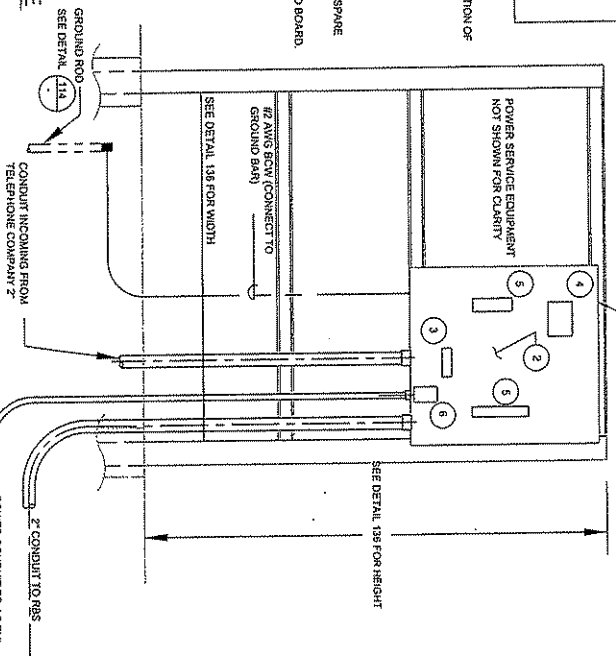


- NOTES:**
- SUBCONTRACTOR SHALL PROVIDE 200AMP, SINGLE PHASE, 120/240 VAC, 60HZ SERVICE FOR SITE.
 - SUBCONTRACTORS SHALL COOPERATE WITH UTILITY COMPANY TO START OF POWER AND TELEPHONE CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS.
 - FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY PANEL MANUFACTURER.
 - SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.

- NOTES:**
- COORDINATE WITH LOCAL TELCO UTILITY PRIOR TO PROCESSING AND INSTALLATION OF BOX AND COMPONENTS.
 - ALL MATERIAL SHALL MEET REQUIREMENTS OF LOCAL TELCO UTILITY.
 - ITEM #4 SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR. BOND SURGE PROTECTION UNIT TO SHIELD DATA WITH LEAD INSULATED WIRE.
 - COORDINATE SIZE, TYPE AND QUANTITY OF ITEM(S) AS WITH LOCAL UTILITY.
 - INSTALL ITEM #6 ONLY IF REQUIRED BY UTILITY. RECEPTACLE POWERED FROM SPARE BREAKER IN DISTRIBUTION PANEL.
 - PULL #8 PARALLEL PICK CABLES FROM HOFFMAN TELCO BOX TO SHELTER TELCO BOARD.



- NOTES:**
- COORDINATE WITH LOCAL TELCO UTILITY PRIOR TO PROCESSING AND INSTALLATION OF BOX AND COMPONENTS.
 - ALL MATERIAL SHALL MEET REQUIREMENTS OF LOCAL TELCO UTILITY.
 - ITEM #4 SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR. BOND SURGE PROTECTION UNIT TO SHIELD DATA WITH LEAD INSULATED WIRE.
 - COORDINATE SIZE, TYPE AND QUANTITY OF ITEM(S) AS WITH LOCAL UTILITY.
 - INSTALL ITEM #6 ONLY IF REQUIRED BY UTILITY. RECEPTACLE POWERED FROM SPARE BREAKER IN DISTRIBUTION PANEL.
 - PULL #8 PARALLEL PICK CABLES FROM HOFFMAN TELCO BOX TO SHELTER TELCO BOARD.
- MATERIAL LIST:**
- ① 20" x 20" x 8" NEMA 3R ENCLOSURE (HOFFMAN A-20R20R10R OR SIMILAR)
 - ② 2x4 WOOD BACKBOARD 1/2" x 18" x 5/8" THICK EXTENSION GRADE
 - ③ BONDING BAR (MAYTEC) NEWTON INSTRUMENT CO. CAT NO. B-6142 OR EQUAL WITH A-6154 WALL BRACKET
 - ④ 1 SURGE PROTECTION DEVICE (SEE AC DATA SYSTEMS PART #PT10108)
 - ⑤ TERMINAL BLOCK(S) OR T1 CONNECTOR(S)
 - ⑥ SPI DUPLEX RECEPTACLE (12MAQ20A)

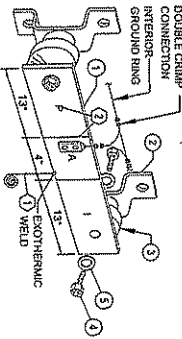


TELEPHONE DEMARCATION ENCLOSURE

DETAIL 642 11

NO.	DATE	DESCRIPTION
1	3-21-07	ISSUED FOR PERMITS
2	1-11-08-05	PRELIMINARY REVISIONS
3	07-08-09	REVISED PER PERMITS

RAYSON INSTRUMENT COMPANY, INC. BUTNER, N.C.			
NO.	REQ.	PART NO.	DESCRIPTION
1	1	1/4" X 20"	PRE DRILLED GND. BAR
2	2	A-6056	WALL MTS. BRKT.
3	2	30514	INSULATORS
4	4	3012-1	5/8"-1 1/4" H.H.C.S.
5	4	3015-8	5/8 LOCKWASHER



EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY THE CONDUCTOR AND DESTINATION.

SECTION "P" - SURGE PROTECTORS

CABLE ENTRY POINTS (MATCH PLATES) (W2)
 GENERATOR PROTECTORS (IF AVAILABLE) (W2)
 COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (W2)
 48V POWER SUPPLY RETURN BAR (W2)
 RECTIFIER FRAMES
 COAX SUPPRESSION

SECTION "X" - SURGE ABSORBERS

INTERIOR GROUND RING (W2)
 EXTERIOR EARTH GROUND FIELD (BURIED GROUND RING) (W2)
 METALLIC COLD WATER PIPE (IF AVAILABLE) (W2)
 BUILDING STEEL (IF AVAILABLE) (W2)

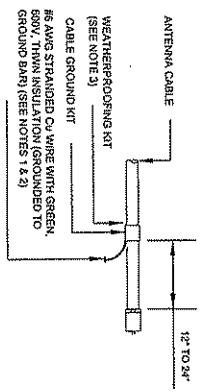
SECTION "T" - ISOLATED GROUND ZONE

ALL COMMUNICATIONS EQUIPMENT FRAMES
 ISOLATED GROUND BAR - (ISB) (W2)

DETAIL NOTES:

1. EXOTHERMICALLY WELD #2 AVG. BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "X", "T") WITH T-HIGH LETTERS.

(RGB) REFERENCE GROUND BAR - DETAIL
 DETAIL 119
 NTS

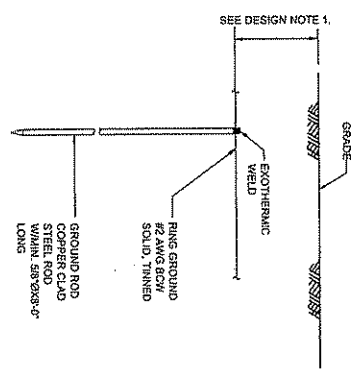


CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

DETAIL 121
 NTS

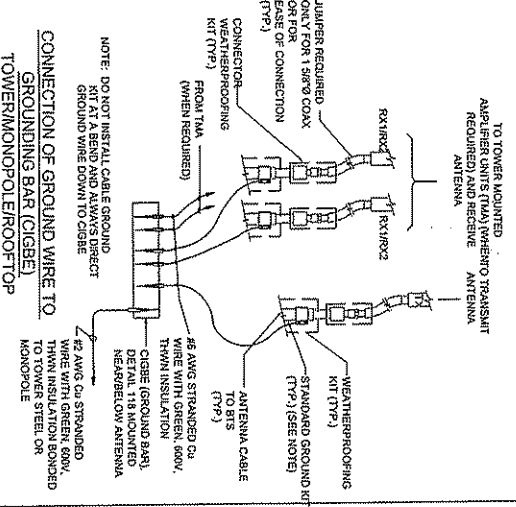


GROUND ROD

1. DESIGNER/ENGINEER TO DETERMINE DIMENSION WHICH SHALL BE THE BELOW THE FROST LINE OR 18" MINIMUM.

2. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL.

DETAIL 114
 NTS



TO TOWER MOUNTED AMPLIFIER UNITS (TWA) (WEATHER PROOFING KIT REQUIRED) AND RECEIVE ANTENNA

WEATHERPROOFING KIT (WPK) (SEE NOTE)

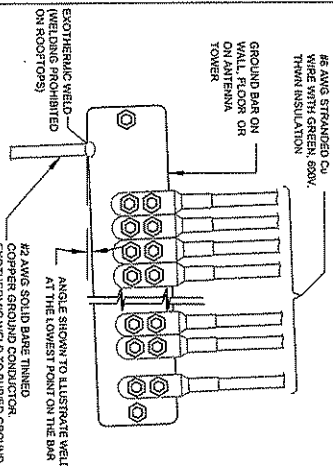
STANDARD GROUND WIRE (TYP.) (SEE NOTE)

ANTENNA CABLE TO BITS (TYP.)

#2 AVG. STRANDED CU. WIRE WITH GREEN 600V, THIN INSULATION BONDING TO TOWER STEEL OR MONOPOLE

NOTE: DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

DETAIL 122
 NTS

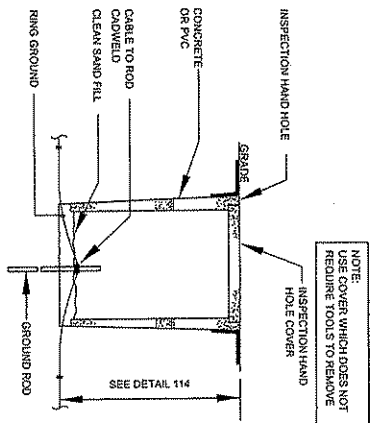


INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR

NOTE: ANGLE SHOWN TO ILLUSTRATE WELD AT THE LOWEST POINT ON THE BAR

#2 AVG. SOLID BARE TINNED COPPER GROUND CONDUCTOR EXOTHERMIC WELD TO BURIED GROUND RING AND GROUND BAR

DETAIL 118
 NTS



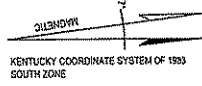
NOTE: INSPECTION HAND HOLE MAY BE CONCRETE OR PVC AND SHALL BE A MINIMUM OF 6" IN WIDTH/DIAMETER

GROUND ROD WITH ACCESS ARS
 DETAIL 644-1A
 NTS

NO.	DATE	DESCRIPTION	BY	CHK
B	3-31-07	ISSUED FOR PERMITS		
A	11-08-08	PRELIMINARY PERMITS		
1	08-08	REVISIONS		

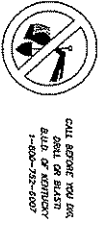
NO.	DATE	DESCRIPTION	BY	CHK
1	08-08	REVISIONS		





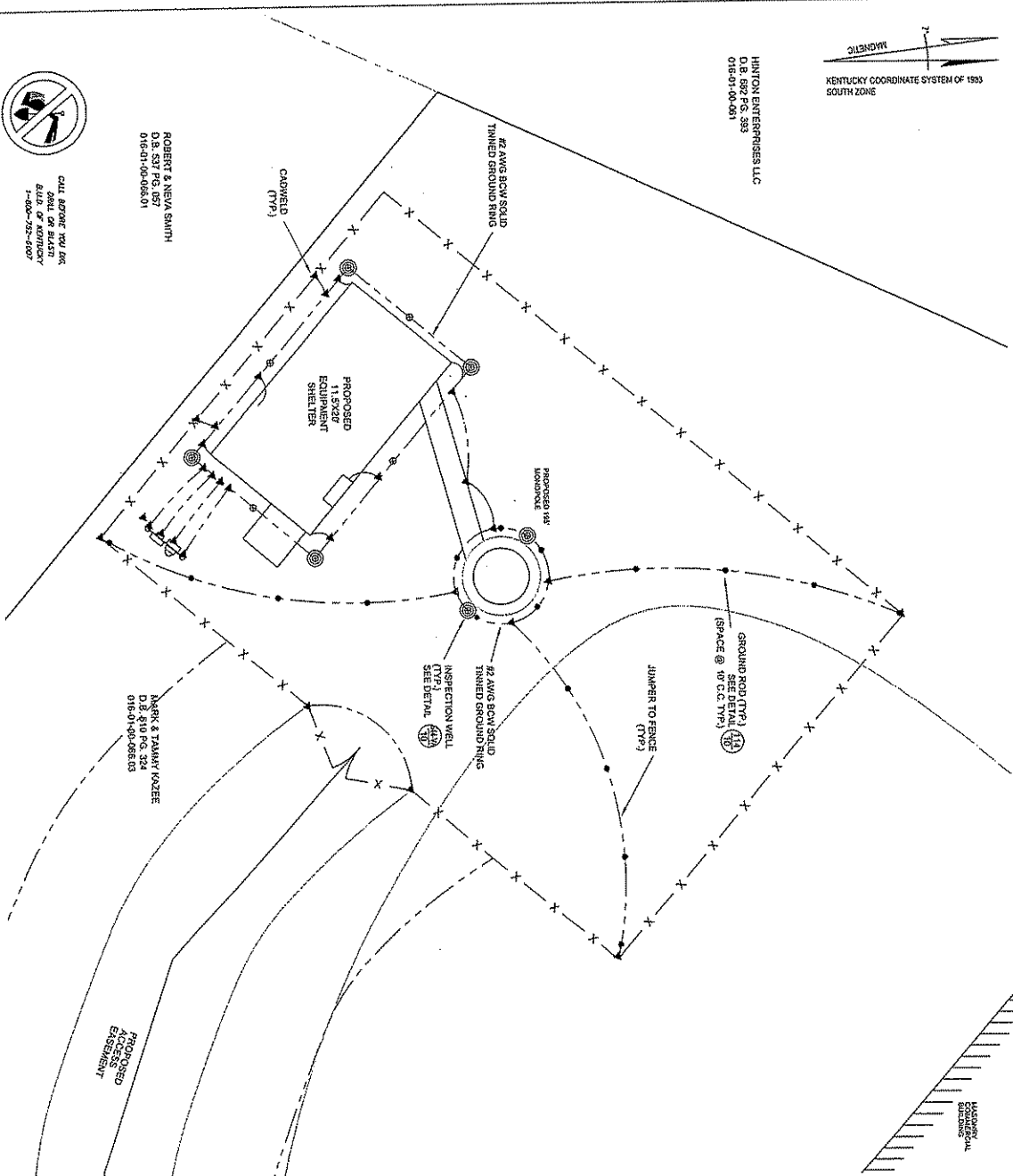
HINTON ENTERPRISES LLC
D.B. 592 P.C. 333
016-01-00-061

ROBERT & NEVA SMITH
D.B. 537 P.C. 057
016-01-00-068.01



TERRADON
Engineering & Construction
P.O. Box 519
3214 S
Shirley, West Virginia
26049-0519
(304) 753-5555

CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102



GROUNDING NOTES

1. ALL GROUND ELECTRODE SYSTEMS INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER (GESS) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDED CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE SUBCONTRACTOR SHALL PERSON USE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING PER IEEE 100 (MAY 91) FOR GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONDUCTIVITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAYS SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BVS EQUIPMENT.
6. EACH BVS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES. 6 AWG STRANDED COPPER OR LARGER FOR OUTDOOR BVS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT GROUND BARS AND THE GROUND RING SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORMED USING HIGH PRESS COMPRESS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTI-OXIDANT CONTINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND WIRES WITH #1/2 AWG TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NONMETALLIC RATHER THAN PVC PLASTIC CONDUIT SHALL BE USED. WHEN USE OF METAL CONDUIT IS NECESSARY, METAL CONDUIT SHALL BE PROHIBITED BY LOCAL CODES) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.

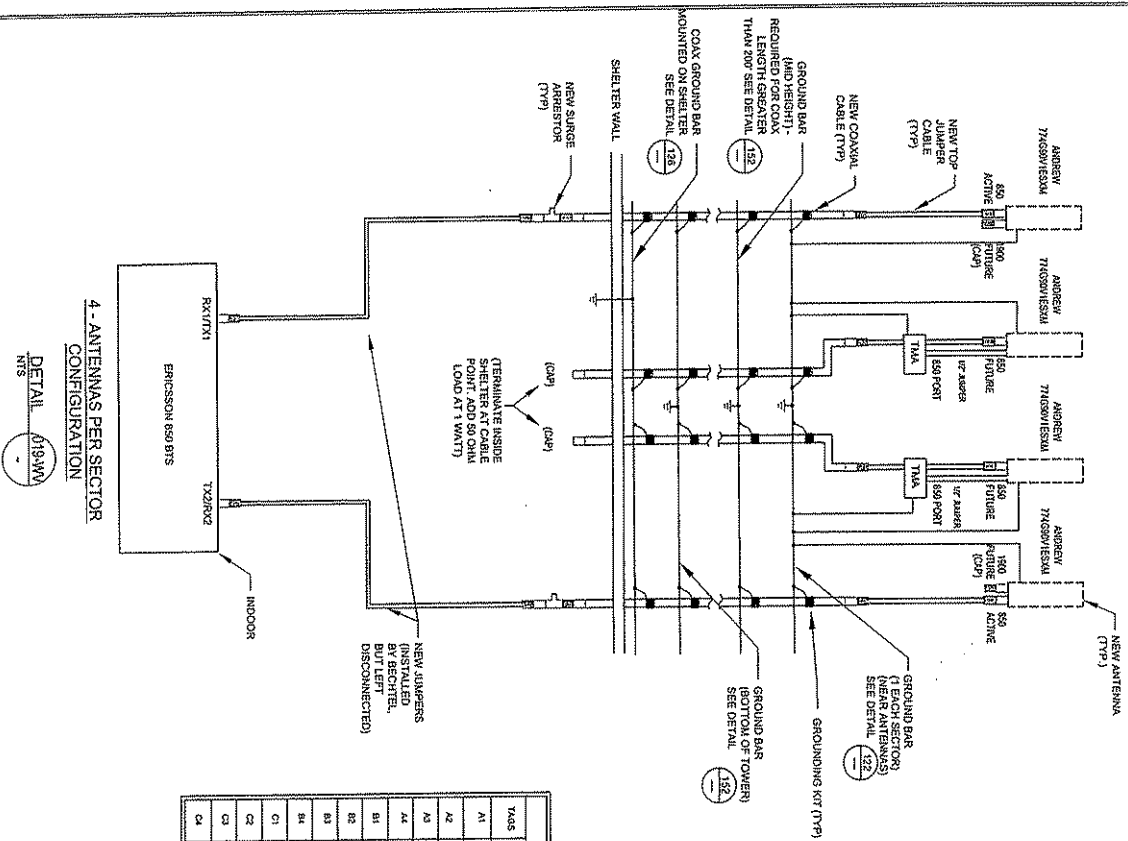
PROPOSED
ACCESS
EQUIPMENT

NO.	DATE	DESCRIPTION	BY	CHKD BY
1	12-31-27	ISSUED TO SUBGRADE	RS	RS
2	01-20-28	PERMANENT RECORDS	RS	RS
3	02-20-28	REVISIONS	RS	RS

9-7892-471	GROUNDING NOTES AND PLAN
9-7892-17	REVISIONS SHEET

GRAPHIC SCALE
1 INCH = 10 FEET

DETAIL 621



4 - ANTENNAS PER SECTOR CONFIGURATION

DETAIL 019-WW
N/S

ANTENNA AND COAXIAL CABLE SCHEDULE

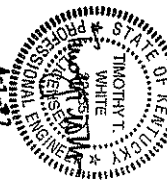
YAGS	SECTOR	ANTENNA TYPE	ANTENNA SERIAL NUMBER	BOOM DIA. (IN)	BOOM LENGTH (FT)	ANTENNA TIP HEIGHT (FT)	ANTENNA RADIUS (FT)	CABLE LENGTH (FT)	COAXIAL CABLE	TOP JUMPER	BOTTOM JUMPER	COLOR CODE	TIA TYPE	DC BLOCK
A1	1	T1400V155M	AVL155-57	4"	60'	183	183	215	ANDREWS AVL155-57	Ø1120	Ø1120	1 GREEN STRIPE	---	N
A2	1	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	2 GREEN STRIPES	KR1112 7B1	N
A3	1	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	3 GREEN STRIPES	KR1112 7B1	N
A4	1	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	4 GREEN STRIPES	---	N
B1	2	T1400V155M	AVL155-57	4"	60'	183	183	215	ANDREWS AVL155-57	Ø1120	Ø1120	1 BLUE STRIPE	---	N
B2	2	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	2 BLUE STRIPES	KR1112 7B1	N
B3	2	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	3 BLUE STRIPES	KR1112 7B1	N
B4	2	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	4 BLUE STRIPES	---	N
C1	3	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	1 WHITE STRIPE	---	N
C2	3	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	2 WHITE STRIPES	KR1112 7B1	N
C3	3	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	3 WHITE STRIPES	KR1112 7B1	N
C4	3	T1400V155M	AVL155-57	4"	60'	193	193	215	ANDREWS AVL155-57	Ø1120	Ø1120	4 WHITE STRIPES	---	N

- NOTES:
1. ALL MATERIALS ON THE ABOVE TABLE SHALL BE PROVIDED BY THE CONTRACTOR TO THE SUBCONTRACTOR FOR INSTALLATION.
 2. SUBCONTRACTOR SHALL AS BUILT CABLE LENGTHS AND PROVIDE ANTENNA SERIAL NUMBERS ON REQUIRED DRAWINGS.
 3. ANTENNAS SHALL BE PROTECTED AND INSTALLED WITH DOWNLIFT BRACKETS AND HEAVY DUTY CLAMPS SUPPLIED BY ANTENNA MANUFACTURER.
 4. FOLLOW DETAIL FOR CINGULAR COAX COLOR CODING.
 5. COAX GROUND KITS, COAX WEATHER PROOFING, SNAP-IN HANGER CLAMPS AND HOISTING GRIPS SHALL BE PROVIDED BY THE CONTRACTOR TO THE SUBCONTRACTOR FOR INSTALLATION.



NO.	DATE	BY	DESCRIPTION
B	12-31-07		CHANGED TO MONOPOLIC
A	11-26-06		PRELIMINARY
			REVISIONS

JST	02/28/07	
WCD	03/01/07	
W	03/01/07	



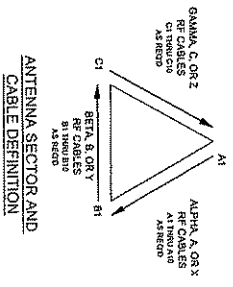
NOTES:

1. SECTOR ORIENTATION/NUMBER WILL VARY FROM REGION TO REGION AND IS SITE SPECIFIC. REFER TO RF REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
2. THE SIGNBOARD IS BASED ON EIGHT COLORED TYPES: RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, WHITE, AND SILVER/GREY. THESE TYPES SHOULD BE RESULTLY AVAILABLE TO THE ELECTRICIAN ON CONSTRUCTION ON SITE.
3. USING COLOR BANDS ON THE CABLES, JUMP ALL RF CABLE BY SECTOR AND CABLE NUMBER AS SHOWN ON CABLE MARKING COLOR CONVENTION TABLE.
4. ALL COLOR CODE TYPE SHALL BE 3M-35 AND SHALL BE INSTALLED USING A MINIMUM OF 81 WORDS OF TAPE AND SHALL BE NEATLY TYPED AND SMOOTHED OUT 50% TO 5000 UNRAVELING. HAVE A MINIMUM OF 3" OF SPACING BETWEEN EACH COLOR.
5. ALL COLOR BANDS INSTALLED AT THE TOWER TOP SHALL BE A MINIMUM OF 3" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACING BETWEEN EACH COLOR.
6. ALL COLOR BANDS INSTALLED AT OR NEAR THE GROUND SHALL BE A MINIMUM OF 3/4" WIDE.
7. ALL COLOR CODES SHALL BE INSTALLED SO AS TO ALIGN NEATLY WITH ONE ANOTHER FROM SIDE TO SIDE.

ALL RF CABLE SHALL BE MARKED AS PER CABLE MARKING LOCATIONS TABLE BELOW:

NO.	TYPE	TAG	LOCATIONS
1.	X		EACH TOP JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3 WIDE BANDS
2.	X		EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3 WIDE BANDS AT EACH CONNECTION AND WITH (1) SET OF 3/4" WIDE COLOR BANDS JUST PRIOR TO ENTERING THE BTS OR TRANSMITTER BUILDING.
3.	X		CABLE ENTRY POINT ON THE INTERIOR OF THE SHELTER (RF SHELTER IS USED)
4.	X		ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
5.	X		ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
6.	.	.	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.

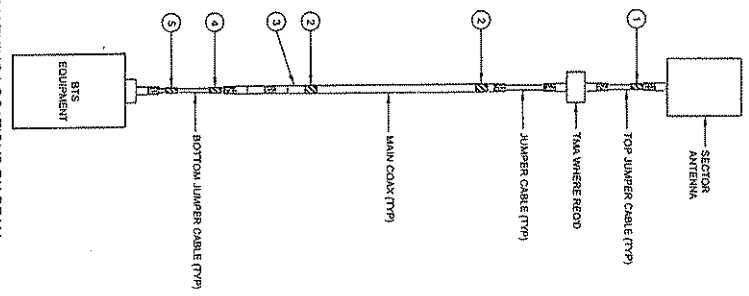
(* - DENOTES TAG OR TAPE.)



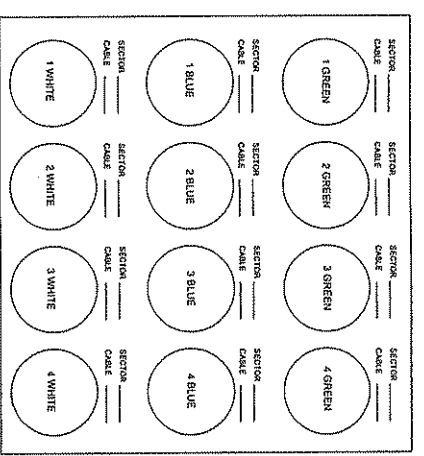
CABLE MARKING COLOR TABLE	
SECTOR ALPHA, A, X	CABLE A1 1 GREEN
SECTOR ALPHA, A, X	CABLE A2 2 GREEN
SECTOR ALPHA, A, X	CABLE A3 3 GREEN
SECTOR ALPHA, A, X	CABLE A4 4 GREEN
SECTOR BETA, B, Y	CABLE B1 1 BLUE
SECTOR BETA, B, Y	CABLE B2 2 BLUE
SECTOR BETA, B, Y	CABLE B3 3 BLUE
SECTOR BETA, B, Y	CABLE B4 4 BLUE
SECTOR GAMMA, C, Z	CABLE C1 1 WHITE
SECTOR GAMMA, C, Z	CABLE C2 2 WHITE
SECTOR GAMMA, C, Z	CABLE C3 3 WHITE
SECTOR GAMMA, C, Z	CABLE C4 4 WHITE

CABLE MARKING LOCATIONS DIAGRAM

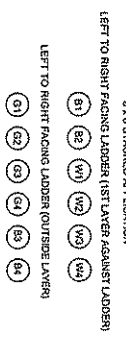
DETAIL 638-VA



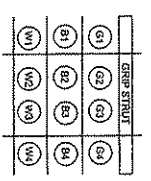
CABLE PORT DIAGRAM



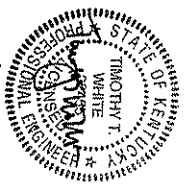
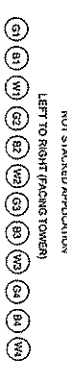
COAXIAL LADDER ASSIGNMENT



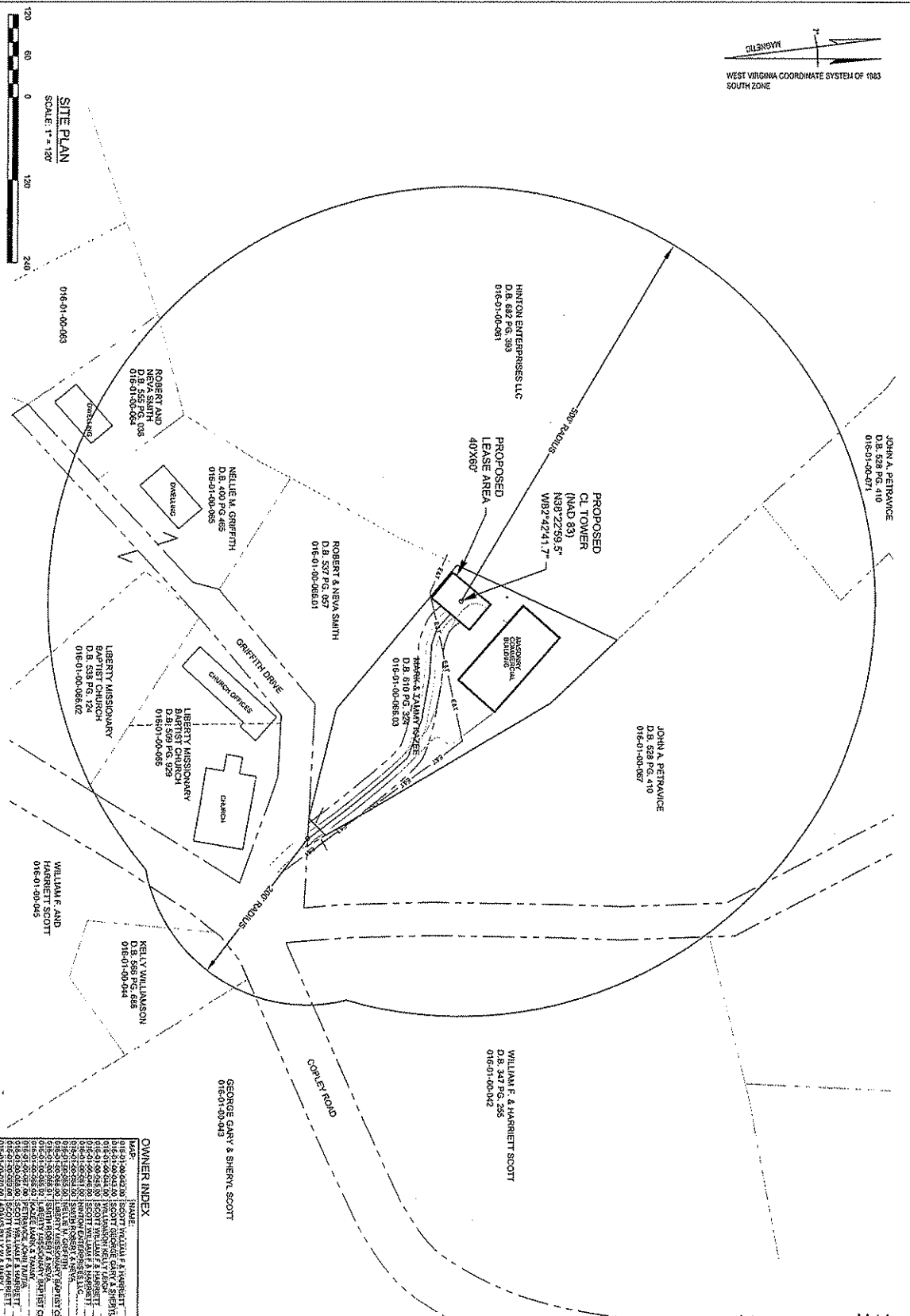
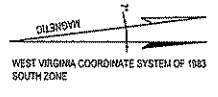
COAXIAL LADDER ASSIGNMENT



COAXIAL LADDER ASSIGNMENT



NO.	DATE	DESCRIPTION	BY	CHK
1	11-08-08	ISSUED FOR PERMIT	BT	
2	1-31-07	CHANGED TO MONOPOLE	JSC	
3	11-08-08	PRELIMINARY	WVW	
4		REVISIONS	BT	

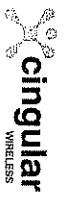


SITE PLAN
SCALE: 1" = 120'



TERRADON
Engineering - Planning - Landscape Architecture
P.O. Box 519 26413
1001 W. Main Ave. 255-4335
www.terradon.com

CANNONSBURG
SITE NO. WV302A
12633 COPLEY ROAD
ASHLAND, KY 41102

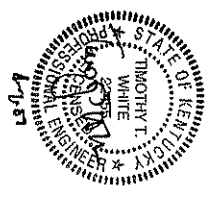


LEGEND:
 - - - - - PROPERTY LINE
 - - - - - ELEC. POLE LINE
 - - - - - OVERHEAD ELECTRIC
 - - - - - UNDERGROUND ELECTRIC
 - - - - - UNDERGROUND TELEPHONE
 - - - - - FOUND UNDERGROUND TELEPHONE
 - - - - - ELEC. METER POINT
 - - - - - TELEPHONE OR ELECTRIC RISER
 - - - - - DRAINAGE CANAL
 - - - - - SERVICE AREA

TOWER BASE:
 LATITUDE: 38° 22' 59.9" N
 LONGITUDE: 82° 42' 41.7" W
 PER NORTH AMERICAN DATUM OF 1983
 ELEVATION: 779'
 (PER NORTH AMERICAN VERTICAL DATUM OF 1988)

OWNER INDEX

MAP NO.	OWNER NAME	ADDRESS	CITY	STATE	ZIP	DOB	AGE
016-01-00-063	JOHN A. PEIRAVICE	12633 COPLEY ROAD	ASHLAND	KY	41102	347	735
016-01-00-081	HANCOX ENTERPRISES LLC	12633 COPLEY ROAD	ASHLAND	KY	41102	486	449
016-01-00-064	ROBERT AND HEVA SMITH	12633 COPLEY ROAD	ASHLAND	KY	41102	537	037
016-01-00-043	GEORGE GARY & SHERYL SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-045	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-042	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-044	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-046	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-047	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-048	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-049	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-050	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-051	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-052	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-053	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-054	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-055	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-056	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-057	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-058	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-059	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-060	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-061	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-062	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-063	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-064	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-065	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-066	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-067	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-068	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-069	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-070	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-071	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-072	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-073	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-074	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-075	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-076	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-077	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-078	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-079	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-080	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-081	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-082	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-083	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-084	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-085	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-086	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-087	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-088	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-089	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-090	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-091	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-092	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-093	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-094	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-095	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-096	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-097	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-098	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-099	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235
016-01-00-100	WILLIAM F. AND HARRIETT SCOTT	12633 COPLEY ROAD	ASHLAND	KY	41102	347	235



NO.	DATE	REVISIONS	DESIGNED BY	CHECKED BY	DATE
1	11-10-06	PRELIMINARY REVISIONS			
2	1-31-07	CHANGED TO STANDARD			

CINGULAR WIRELESS
 LEASE MAP
 DRAWN: TERRY
 DATE: 11-15-06
 SCALE: AS SHOWN