



BOULT ■ CUMMINGS®
CONNERS ■ BERRY PLC

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December 11, 2007

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

RECEIVED
DEC 12 2007
PUBLIC SERVICE
COMMISSION

Re: Case No. 2007-00505-Application of Crown Communications, Inc., for Certificate of Convenience and Necessity to Construct Wireless Communications Facility at Dale Hollow State Park

Dear Ms. O'Donnell:

Enclosed is the original and 5 copies of the Application of Crown Communications Inc. for a Certificate of Convenience and Necessity to Construct Wireless Communications Facilities at Dale Hollow State Park.

Very truly yours,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By:

James L. Murphy, III

JLM/cw

ORIGINALS

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DEC 12 2007

PUBLIC SERVICE
COMMISSION

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

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PUBLIC SERVICE
COMMISSION

IN RE:)
)
APPLICATION OF CROWN COMMUNICATIONS)
INC., FOR ISSUANCE OF A CERTIFICATE OF)
PUBLIC CONVENIENCE AND NECESSITY TO)
CONSTRUCT A WIRELESS COMMUNICATIONS) Case No. 2007-00505
FACILITY AT THE DALE HOLLOW STATE)
PARK, BURKEVILLE, CUMBERLAND COUNTY,)
KENTUCKY IN RURAL SERVICE AREA # 5 OF)
THE COMMONWEALTH OF KENTUCKY)
)
(DALE HOLLOW CELL SITE))

**APPLICATION FOR CERTIFICATE OF CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY
CONFIDENTIAL AND PROPRIETARY**

Crown Communications Inc., hereinafter the "Applicant", by counsel, pursuant to KRS §§ 278.020, 278.040, 278.650, 278.665 and the rules and regulations applicable thereto, respectfully submit this Application for a Certificate of Public Convenience and Necessity from the Public Service Commission (the "PSC") to construct, maintain, and operate a Wireless Communications Facility ("WCF") to permit Cumberland Cellular Partnership, doing business as Bluegrass Cellular (the "Provider") to serve customers of the Provider with wireless and telecommunications services, and to permit other wireless service providers in the area to co-locate on the WCF.

In support of this Application, the Applicant respectfully provides and states the following information:

1. The complete name and address of the Applicant is Crown Communications Inc., 2000 Corporate Drive, Canonsburg, Pennsylvania 15317-8564. The Applicant has an office

within the Commonwealth of Kentucky located at 11403 Bluegrass Parkway, Suite 780, Louisville KY 40299.

2. Applicant proposes to construct a new antenna tower for cellular telecommunications services or personal communications services in an area outside the jurisdiction of a planning commission. Applicant submits this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.650, and 278.665.

3. Applicant is a Delaware corporation. A certified copy of the Articles of Incorporation of Applicant issued by the Secretary of State of the State of Delaware is attached hereto as Exhibit A. A copy of the Certificate of Authorization which was issued by the Secretary of State of the Commonwealth of Kentucky for Applicant is attached hereto as Exhibit B.

4. The public convenience and necessity require the construction of the proposed WCF. Applicant is constructing the WCF at Dale Hollow State Park (36°38'51.60972" N latitude, 85°17'33.07531" W longitude), in an area located totally within Cumberland County, Kentucky. Applicant is constructing the WCF pursuant to a Request for Proposals issued by the Commonwealth of Kentucky, Division of Real Properties, Department for Facilities and Support Services seeking proposals for the location of a wireless telecommunications tower at the Dale Hollow State Park to provide wireless service to visitors of the Park.

5. After completion of the proposed WCF, Applicant will lease or license space on said tower and the surrounding site so the Provider may locate and operate its facility including all required antennas and appurtenances. Applicant has located the proposed site in a manner such that other wireless communications service providers will desire to co-locate on said tower, and will endeavor to provide all necessary facilities to make collocation attractive to them.

6. Applicant's construction of the described WCF is desirable because it allows for the collocation of additional wireless service providers within this portion of the Kentucky wireless communications licensed area. These services may include telecommunications, wireless data transfer and internet services, wireless cable, paging systems, 911 service, and other new products currently being developed in the wireless industry. The Kentucky Department of Parks plans to relocate its communications antenna to the WCF, thereby improving Department's radio coverage within the Dale Hollow Park. The WCF will also be available for use by other governmental agencies and providers of emergency services. Applicant, as part of its business structure, will diligently pursue and encourage other wireless providers to co-locate on the WCF. These services will provide increased competition in the in the local Kentucky telecommunications market, which will, in turn, promote competitive pricing, quality, and coverage options to users of telecommunications services in this area. Applicant's vested interest in the co-location of wireless service providers promotes the same goals for the local consumers.

7. The property on which the WCF will be located is part of the Dale Hollow State Park owned by the Commonwealth of Kentucky and operated by the Department of Parks. A copy of the survey of the proposed WCF site signed and sealed by Ralph K. Wallem, a registered land surveyor in Kentucky, is attached hereto as Exhibit C.

8. The process that was used by the Applicant's in selecting the site for the proposed WCF was consistent with the general process used for selecting other existing and proposed WCF facilities. Applicant first carefully evaluated locations within the Dale Hollow State Park area for co-location opportunities on existing structures. The only existing structure was a radio tower which was evaluated and determined to be inadequate to support the antennas needed to serve the Dale Hollow State Park area. The Applicant then investigated other potential sites

within the Dale Hollow State Park, and identified several possible locations within the Park. These candidates were submitted to the Department of Parks. The Department of Parks then selected the site designated as Site D. The Site Candidate Information Package for Site D is attached hereto as Exhibit D.

9. The construction of the WCF will bring the wireless services to an area currently not served or not adequately served by any wireless provider. A propagation map showing the current wireless service in the area is attached as Exhibit E. A propagation map showing the wireless service in the area after the construction of the WCF is attached as Exhibit F. The construction of the WCF will enhance the public's access to innovative and competitive wireless telecommunications services.

10. Applicant is not required to be licensed by the Federal Communications Commission (the "FCC") and therefore no FCC license is submitted herewith.

11. A list of competing utilities, corporations, or persons is attached as Exhibit G, along with three (3) maps of suitable scale showing the location of the proposed new construction as well as the location of any like facilities located anywhere within the map area, along with a map key showing the owner of such other facilities.

12. The proposed WCF will consist of a 190 foot self-supported monopole tower with an approximately 8 foot lightning arrester attached to the top, for a total height of 198 feet. The WCF will also include concrete foundations to accommodate the placement of an equipment shelter. The equipment shelter will contain: (i) the transmitting and receiving equipment required to connect the WCF with the Provider's users in Kentucky, (ii) telephone lines that will link the WCF with the Provider's other facilities, (iii) battery back-up that will allow the Provider to operate even after a loss of outside power, and (iv) all other necessary appurtenances. The Applicant's equipment cabinet or shelter will be approved for use in the Commonwealth of

Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. The construction drawings, signed and sealed by David B. Granger, P.E., a professional engineer licensed in the Commonwealth of Kentucky and depicting the manner in which the proposed WCF will be constructed, are attached hereto as Exhibit H. A vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the Provider and future antenna mounts, has also been included as part of Exhibit H. Foundation design plans and a description of the standards according to which the tower was designed signed and sealed by a professional engineer registered in Kentucky are attached hereto as Exhibit I. Periodic inspections will be performed on the WCF in accordance with the applicable regulations or requirements of the PSC.

13. The structure is less than 200-feet in height and does not require FAA or Kentucky Airport Zoning Commission notice for the proposed construction.

14. The WCF will be registered with the FCC pursuant to applicable federal requirements. Appropriate required FCC signage will be posted on the site upon receipt of the tower registration number.

15. A geotechnical engineering firm has performed soil boring(s) and subsequent geotechnical engineering studies at the WCF site. A copy of the geotechnical engineering report and evaluation, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as Exhibit J. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of Exhibit J.

16. Based on a review of Federal Emergency Management Agency Flood Insurance Rate Maps, the registered land surveyor has certified in Exhibit C that the proposed WCF is not located within any flood hazard area.

17. Clear directions to the proposed WCF site from the County seat are attached as Exhibit K. The name and address of the preparer of Exhibit K is included in Exhibit K.

18. Applicant, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the Option and Ground Lease Agreement is attached as Exhibit L (hereinafter, the "Lease").

19. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. Sabre Towers and Poles ("Tower Manufacturer") performed the tower and foundation design. The tower and foundation drawings for the proposed tower submitted as part of Exhibit I bear the signature and stamp of Keith J. Tindall, a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed applicable laws and regulations. The construction of the proposed WCF will be performed by Electrical Construction Management, Inc., 11321 Plantside Drive, Louisville, Kentucky 40291 ("ECM") or their agents who are insured and experienced tower erection specialists. ECM has erected over 200 towers in the last eleven (11) years. Paul Head, will manage the construction of the WCF and the tower erection for ECM. Mr. Head has 10 years of experience with these types of projects.

20. As shown on the aerial photograph attached hereto as Exhibit M, all the land within 500 feet of the proposed tower is located within the boundaries of the Dale Hollow State Park. There are no residences located within a 500 foot radius of the proposed tower location.

21. Applicant has notified every person who, according to the records of the Cumberland County Property Valuation Administrator, owns property adjoining the boundaries

of the Dale Hollow State Park, by certified mail, return receipt requested, of the proposed construction. All notified property owners have been given the docket number under which the proposed Application will be processed and have been informed of their right to request intervention. A list of the nearby property owners who received the notices, together with copies of the certified letters, are attached as Exhibit N and Exhibit O, respectively.

22. Applicant has notified the Cumberland County Judge Executive by certified mail, return receipt requested, of the proposed construction. This notice informed the Cumberland County Judge Executive of his/her right to request intervention. A copy of this notice is attached as Exhibit P.

23. Two appropriate notice signs measuring at least two (2) feet in height and four (4) feet in width with all required language in letters of required height have been posted in a visible location on the proposed site and on the nearest public road and shall remain posted for at least two (2) weeks after filing of the Application. A copy of the posted text of the two signs is attached as Exhibit Q. The location of the proposed facility has been published in a newspaper of general circulation in the county where the WCF is located.

24. The Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have concluded there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate on any existing structure.

25. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

26. All responses and requests associated with this Application may be directed to:

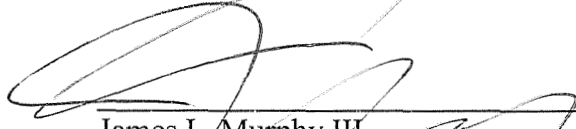
James L. Murphy III
Boult, Cummings, Conners & Berry, PLC
1600 Division Street, Suite 700
P.O. Box 340025
Nashville, Tennessee 37203
Phone: (615) 252-2303
Fax: (615) 252-6303

WHEREFORE, Applicant respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS 3s 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,

BOULT, CUMMINGS, CONNERS & BERRY, PLC

By: 
Brooks R. Smith


James L. Murphy III
1600 Division Street, Suite 700
P.O. Box 340025
Nashville, Tennessee 37203
(615) 252-2303

Attorneys for Crown Communications, Inc.

LIST OF EXHIBITS

- Exhibit A Articles of Incorporation of Crown Communications, Inc.
- Exhibit B Certificate of Authorization from the State of Kentucky for Crown Communications, Inc.
- Exhibit C Survey of Site
- Exhibit D Site Candidate Package
- Exhibit E Propagation Map Showing Existing Wireless Coverage
- Exhibit F Propagation Map Showing Wireless Coverage With Proposed Tower
- Exhibit G Map and List of FAA Registered Towers Owned by Competing Public Utilities, Corporations or Persons
- Exhibit H Site Development Plan:
- Vicinity Map
 - Legal Descriptions
 - Site Plan
 - Vertical Tower Profile
- Exhibit I Foundation and Tower Design Plans
- Exhibit J Geotechnical Report
- Exhibit K Directions to WCF Site
- Exhibit L Option and Ground Lease
- Exhibit M Aerial Photograph of 500-Foot Radius
- Exhibit N List of Owners of Property Adjoining Dale Hollow State Park
- Exhibit O Notice Letter to Owners of Property Adjoining Dale Hollow State Park
- Exhibit P Notice Letter to Cumberland County Judge Executive
- Exhibit Q Text of Posted Signs

Exhibit A

Articles of Incorporation of Crown Communications, Inc.

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED ARE TRUE AND CORRECT COPIES OF ALL DOCUMENTS ON FILE OF "CROWN COMMUNICATION INC." AS RECEIVED AND FILED IN THIS OFFICE.

THE FOLLOWING DOCUMENTS HAVE BEEN CERTIFIED:

CERTIFICATE OF INCORPORATION, FILED THE TENTH DAY OF JULY, A.D. 1997, AT 11 O'CLOCK A.M.

CERTIFICATE OF AMENDMENT, CHANGING ITS NAME FROM "CASTLE ACQUISITION CORP. III" TO "CROWN COMMUNICATION INC.", FILED THE SEVENTH DAY OF AUGUST, A.D. 1997, AT 4:30 O'CLOCK P.M.

CERTIFICATE OF MERGER, FILED THE FIFTH DAY OF JANUARY, A.D. 1998, AT 11 O'CLOCK A.M.

CERTIFICATE OF OWNERSHIP, FILED THE THIRD DAY OF JUNE, A.D. 1998, AT 2 O'CLOCK P.M.

RESTATED CERTIFICATE, FILED THE SIXTH DAY OF JUNE, A.D. 2005, AT 12:39 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE AFORESAID CERTIFICATES ARE THE ONLY CERTIFICATES ON RECORD OF THE AFORESAID CORPORATION, "CROWN COMMUNICATION INC."

2771552 8100H

071293564

You may verify this certificate online
at corp.delaware.gov/authver.shtml



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 6216704

DATE: 12-06-07

CERTIFICATE OF INCORPORATION
OF
CASTLE ACQUISITION CORP. III

ARTICLE I

The name of the corporation (hereinafter called the "Corporation") is Castle Acquisition Corp. III.

ARTICLE II

The address of the Corporation's registered office in the State of Delaware is Corporation Trust Center, 1209 Orange Street, Wilmington, New Castle County, Delaware. The name of the registered agent at such address is The Corporation Trust Company.

ARTICLE III

The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

ARTICLE IV

The total number of shares of all classes of stock that the Corporation shall have authority to issue is 1,000 shares of Common Stock having the par value of \$.01 per share.

ARTICLE V

The name and mailing address of the incorporator is Maureen Nakly, Worldwide Plaza, 825 Eighth Avenue, New York, New York 10019.

ARTICLE VI

In furtherance and not in limitation of the powers conferred upon it by law, the Board of Directors of the Corporation is expressly authorized to adopt, amend or repeal the By-laws of the Corporation.

ARTICLE VII


Unless and except to the extent that the By-laws of the Corporation so require, the election of directors of the Corporation need not be by written ballot.

ARTICLE VIII

To the fullest extent from time to time permitted by law, no director of the Corporation shall be personally liable to any extent to the Corporation or its stockholders for monetary damages for breach of his fiduciary duty as a director.

IN WITNESS WHEREOF, I, Maureen Nakly, the sole incorporator of Castle Acquisition Corp. III, have executed this Certificate of Incorporation this 10th day of July,

1997, and DO HEREBY ACKNOWLEDGE under the penalties of perjury that this instrument is my act and deed and that the facts stated herein are true.


Maureen Nakly
Sole Incorporator

CERTIFICATE OF AMENDMENT
OF CERTIFICATE OF INCORPORATION
OF CASTLE ACQUISITION CORP. III

Castle Acquisition Corp. III, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of said corporation, by unanimous written consent of members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of said corporation:

RESOLVED, that the Certificate of Incorporation of Castle Acquisition Corp. III be amended by changing Article I of the Articles thereof, so that, as amended, said Article shall be and read as follows:

"The name of the corporation (hereinafter called the "Corporation") is Crown Communication Inc."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders have given "unanimous" written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 248 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said Castle Acquisition Corp. III has caused this certificate to be signed by John L. Gwyn, its Vice President/Secretary, this 7th day of August, 1997.

CASTLE ACQUISITION CORP. III

By:


Vice President/Secretary

CERTIFICATE OF MERGER
OF
CASTLE TOWER CORPORATION
INTO
CROWN COMMUNICATION INC.

I.

The name of the surviving corporation arising out of the merger is Crown Communication Inc., a corporation organized under the laws of the State of Delaware ("CCI"). The name of the other party to the merger is Castle Tower Corporation, a corporation organized under the laws of the State of Delaware ("CTC").

II.

An Agreement and Plan of Merger ("Merger Plan") has been duly approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with the General Corporation Law of the State of Delaware ("DCL") including DCL Section 251. The Merger Plan was duly approved by the Board of Directors and the sole Shareholder of both CTC and CCI by unanimous written consent.

III.

The Articles of Incorporation of CCI shall be the Articles of Incorporation of the surviving corporation in the merger.

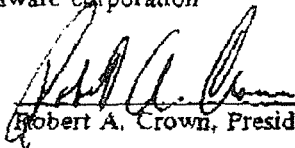
IV.

A copy of the executed Merger Plan is on file at the principal office place of business of CCI, which is located at Penn Center West III, Suite 229, Pittsburgh, Pennsylvania 15276. A copy of the Merger Plan will be furnished by CCI, on request and without cost, to any stockholder of CCI or CTC.


IN WITNESS WHEREOF, the undersigned corporation has caused these Certificate of Merger to be executed in its name by its duly authorized officers this 8th day of December, 1997.

CROWN COMMUNICATION INC.
a Delaware corporation

By:


Robert A. Crown, President

Attest:


Barbara A. Crown, Secretary

**CERTIFICATE OF OWNERSHIP AND MERGER
OF
ABNER, INC.
INTO
CROWN COMMUNICATION INC.**

I.

The name of the surviving corporation arising out of the merger is Crown Communication Inc., a corporation organized under the laws of the State of Delaware ("CCI"). The name of the other party to the merger is Abner, Inc., a corporation organized under the laws of the State of Texas ("Abner").

II.

Abner is a wholly owned subsidiary of CCI. The only outstanding stock of Abner is 200 shares of common stock, \$1.00 par value, and all such Abner stock is owned by CCI.

III.

The merger of Abner into CCI was authorized by an Unanimous Written Consent of the Board of Directors of Crown Communication Inc. dated effective May 20, 1998. The relevant parts of the Written Consent read as follows:

"The undersigned, being all of the directors of Crown Communication Inc. ("CCI"), a Delaware corporation, and in lieu of a special meeting of directors, the call of which is hereby waived, do hereby consent to the adoption of the following resolutions: ...

RESOLVED, that CCI authorizes the liquidation and dissolution or merger of Abner, Inc. if it continues to exist after the acquisition of by CCI; and

RESOLVED, that the officers of the CCI (including any one of them acting alone) be, and they hereby are, authorized to (i) prepare, negotiate, execute, deliver, file and accept the agreements and documents described above or contemplated thereby with such additions, deletions and changes thereto that they deem necessary or appropriate, (ii) incur and pay all costs and expenses relating to the transactions contemplated pursuant to the above resolutions and (iii) do or cause to be done such further acts and things as they may deem necessary or proper in order to (a) consummate the transactions contemplated by above resolutions or (b) carry out and fully effectuate the purposes of the above resolutions."

IV.

The registered office of CCI in the state of Delaware is Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware and the registered agent at such address is The Corporation Trust Company.

V.

CCI hereby acknowledges that pursuant to TBCA Article 5.16 it may be served with process via service upon the Texas Secretary of State in any proceeding for enforcement of an Abner obligation or dissenting Abner shareholder rights (if any).

IN WITNESS WHEREOF, the undersigned corporation has caused this Certificate/~~Articles~~ of Ownership and Merger to be executed in its name by its duly authorized officers this 27th day of May, 1998.

CROWN COMMUNICATION INC.

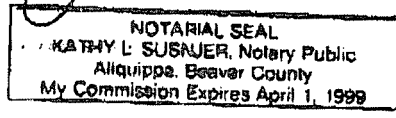
By: [Signature]
Name: Jon AA Allegretti
Title: Vice President

Attest:
[Signature]
Name: BARBARA A. CROWN
Title: CORPORATE SECRETARY

Commonwealth of Pennsylvania
County of Washington

of Ownership and
This Certificate/~~Articles~~ of Merger were acknowledged before me on the 27th day of May, 1998 by Jon A. Allegretti as Vice President of Administration of Crown Communication Inc., on behalf of said corporation.

[Signature]
Notary Public - Commonwealth of Pennsylvania



AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
CROWN COMMUNICATION INC.

The present name of the corporation is Crown Communication Inc. The corporation was incorporated under the name "Castle Acquisition Corp. III" by the filing of its original Certificate of Incorporation with the Secretary of State of the State of Delaware on July 10, 1997. This Amended and Restated Certificate of Incorporation of the corporation, which both restates and further amends the provisions of the corporation's Certificate of Incorporation, was duly adopted in accordance with the provisions of Sections 242 and 245 of the General Corporation Law of the State of Delaware and by the written consent of its sole stockholder in accordance with Section 228 of the General Corporation Law of the State of Delaware. The Certificate of Incorporation of the corporation is hereby amended and restated to read in its entirety as follows:

FIRST. The name of the corporation is Crown Communication Inc. (the "Corporation").

SECOND. The address of the Corporation's registered office in the State of Delaware is Corporation Trust Center, 1209 Orange Street, Wilmington, New Castle County, Delaware. The name of the registered agent at such address is The Corporation Trust Company.

THIRD. Definitions and Rules of Construction.

(a) When used in this Amended and Restated Certificate of Incorporation, the following terms not otherwise defined have the following meanings:

(i) "Affiliate" means, with respect to any Person, any other Person directly or indirectly Controlling or Controlled by or under direct or indirect common Control with such Person.

(ii) "Asset Entities" shall collectively mean Crown Castle South LLC, a Delaware limited liability company, Crown Communication Inc., a Delaware corporation, Crown Castle PT Inc., a Delaware corporation, Crown Communication New York, Inc., a Delaware corporation, Crown Castle International Corp. de Puerto Rico, a Puerto Rico corporation, Crown Atlantic Company LLC, a Delaware limited liability company and Crown Castle GT Company LLC, a Delaware limited liability company.

(iii) “Cash Management Agreement” means the cash management agreement among the Issuers, Crown Castle GT Holding Sub LLC, Crown Castle Atlantic LLC, the Trustee and the Manager, as the same may be amended or otherwise modified from time to time.

(iv) “Control” means the possession, directly or indirectly, of the power to direct or cause the direction of the management, policies or activities of a Person, whether through the ownership of voting securities or general partner or managing member interests, by contract or otherwise. Without limiting the generality of the foregoing, a Person shall be deemed to Control any other Person in which it owns, directly or indirectly, 49% or more of the ownership interest of such Person.

(v) “Directors” means the persons elected to the Board of Directors from time to time, including the Independent Directors.

(vi) “Encumbrance” means any lien, mortgage, security interest, pledge, restriction on transferability, defect of title, option or other claim, charge or encumbrance of any nature whatsoever on any property or property interest.

(vii) “Indenture” means the indenture among the Issuers and the Trustee pursuant to which the Notes were issued, as the same may be amended or otherwise modified from time to time.

(viii) “Indenture Supplement” means the indenture supplement among the Issuers and the Trustee authorizing the issuance of the Notes.

(ix) “Independent Director” has the meaning set forth in Article EIGHTH.

(x) “Issuer Parties” means the Asset Entities, Crown Castle Towers LLC and CC Towers Guarantor LLC.

(xi) “Issuers” means Crown Castle Towers LLC, a Delaware limited liability company, Crown Castle South LLC, a Delaware limited liability company, Crown Communication Inc., a Delaware corporation, Crown Castle PT Inc., a Delaware corporation, Crown Communication New York, Inc., a Delaware corporation, and Crown Castle International Corp. de Puerto Rico, a Puerto Rico corporation.

(xii) “Management Agreement” means the management agreement among the Manager, the Issuers, Crown Castle GT Holding Sub LLC and Crown Castle Atlantic LLC, as the same may be amended or otherwise modified from time to time.

(xiii) “Manager” means Crown Castle USA Inc.

(xiv) “Notes” shall mean the Senior Secured Tower Revenue Notes, Series 2005-1, issued by the Issuers having an anticipated repayment date during 2010.

(xv) “Parent Group” means all Affiliates of the Corporation that, directly or indirectly, have an ownership interest in the Corporation or any subsidiaries thereof.

(xvi) “Person” means any individual, corporation, partnership, joint venture, limited liability company, limited liability partnership, association, joint stock company, trust, unincorporated organization, or other organization, whether or not a legal entity, and any governmental authority.

(xvii) “Rating Agency” has the meaning assigned thereto in the Indenture.

(xviii) “Rating Agency Confirmation” means, with respect to any action or circumstance (actual or proposed, as the context requires), receipt by the Corporation of confirmation from each Rating Agency (which must be in writing) that the then-current rating assigned by such Rating Agency to the Notes will not be reduced or withdrawn as a result of such action or circumstance.

(xix) “Servicing Agreement” means the servicing agreement among Midland Loan Services, Inc., as Servicer, and the Trustee, as the same may be amended or otherwise modified from time to time.

(xx) “Space License” means a lease or license pursuant to which Tower Sites are either leased or licensed to wireless communication companies involved in the provision of wireless communication services.

(xxi) “Tower Sites” has the meaning specified in the Indenture.

(xxii) “Transaction Documents” means the Indenture, the Indenture Supplement, the Management Agreement, the Cash Management Agreement, the Servicing Agreement and any other agreement executed and delivered in connection with the issuance of the Notes.

(xxiii) “Trustee” means the trustee appointed to act on behalf of the holders of the Notes.

(b) Definitions in this Agreement apply equally to both the singular and plural forms of the defined terms. The words “include” and “including” shall be deemed to be followed by the phrase “without limitation.” The terms “herein,” “hereof” and “hereunder” and other words of similar import refer to this Agreement as a whole and not to any particular Section, paragraph or subdivision. The Section titles appear as a matter of convenience only and shall not affect the interpretation of this Agreement. All Section,

paragraph, clause, Exhibit or Schedule references not attributed to a particular document shall be references to such parts of this Agreement.

FOURTH. Purposes.

(a) The purpose to be conducted or promoted by the Corporation is solely to engage in the following activities:

(i) to own, lease and manage Tower Sites and equipment, inventory, systems, software and other assets incidental to or necessary or convenient for the operation thereof, either directly or through any subsidiaries of the Corporation;

(ii) to acquire and/or dispose of Tower Sites and/or any rights therein (including ownership, management, easement, lease and sublease rights), and/or equipment, inventory, systems, software and other assets incidental to or necessary or convenient for the operation thereof;

(iii) to contract with any manager or service provider for the leasing, management, operation and maintenance of Tower Sites or the performance of other services relating thereto;

(iv) to enter into and perform under leases, licenses, purchase agreements and similar contracts with third parties in relation to properties that are, or are to become, Tower Sites and to perform the obligations of the Corporation thereunder;

(v) to enter into and perform under subleases, management agreements, easements and ground leases pursuant to which the Corporation manages wireless communication sites owned by third parties;

(vi) subject to Article TENTH, Section (d)(ii), to enter into loan agreements and/or issue and sell bonds, notes, debt or equity securities, obligations, and other securities and instruments to finance its activities, to pledge any and all of its properties in connection with the foregoing, and to enter into, perform under and comply with any agreements incidental or necessary thereto;

(vii) to obtain any licenses, consents, authorizations or approvals from any federal, state or local governmental authority, including but not limited to the Federal Communications Commission and the Federal Aviation Administration, incidental to or necessary or convenient for the conduct of its business as described above;

(viii) to own subsidiaries of the Corporation engaged in activities of the type described in this Article FOURTH;

(ix) to engage in any lawful act or activity and to exercise any powers permitted to corporations organized under the laws of the State of Delaware that, in either case, are incidental to and necessary or convenient for the accomplishment of the above mentioned purposes; and

(x) to enter into, deliver and perform any obligations under the Transaction Documents, and any document, agreement, certificate or financing statement relating thereto.

(b) Upon approval by the Board of Directors of any matter permitted under paragraph (a) above, each of the Directors and officers of the Corporation is authorized, empowered and directed, for and on behalf of the Corporation, to take any and all actions, to negotiate for and enter into agreements and amendments to agreements, to perform all such acts and things, to execute, file, deliver or record in the name and on behalf of the Corporation, all such certificates, instruments, agreements or other documents, and to make all such payments as they, in their judgment, or in the judgment of any one or more of them, may deem necessary, advisable or appropriate in order to carry out the purpose and intent of, or consummate the transactions contemplated by, the resolutions of the Board of Directors which approve such matters and/or all of the transactions contemplated therein or thereby, the authorization therefor to be conclusively evidenced by the taking of such action or the execution and delivery of such certificates, instruments, agreements or documents.

(c) The Corporation shall not engage in any activities other than as permitted under this Article FOURTH.

FIFTH. Powers. Subject to Article TENTH, the Corporation (i) shall have all powers and the authority to exercise such powers necessary, convenient or incidental to accomplish its purposes as set forth in Article FOURTH and (ii) shall have all of the powers and rights and the authority to exercise such powers and rights conferred upon corporations formed pursuant to the General Corporation Law of the State of Delaware.

SIXTH. The total number of shares of stock which the Corporation shall have authority to issue is 1,000. All such shares are to be common stock, par value of \$.01 per share, and are to be of one class.

SEVENTH. Unless and except to the extent that the by-laws of the Corporation (the "By-Laws") shall so require, the election of Directors of the Corporation need not be by written ballot.

EIGHTH. Board of Directors.

(a) Subject to Article TENTH, the business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors of the Corporation (the "Board of Directors").

(b) The number of Directors of the Corporation shall be as from time to time fixed by, or in the manner provided in, the By-Laws of the Corporation provided, however, that at all times the Board of Directors shall include at least two Directors who are "Independent Directors". An Independent Director shall mean a Director of the Corporation who is not at the time of appointment and has not been at any time during the preceding five (5) years:

(i) a stockholder, director (other than as an independent director/member), officer, employee, partner, attorney or counsel of the Corporation or any Affiliate of the Corporation (except that such individual may be an independent director/member of the Corporation or any Affiliate of the foregoing) or a direct or indirect legal or beneficial owner in the Corporation or any Affiliate,

(ii) a customer, creditor, manager, contractor, supplier or other Person who derives any of its purchases or revenues from its activities with the Corporation or any of its Affiliates (other than a company that provides professional independent directors and which also may provide other ancillary corporate, partnership, company or trust services to the Corporation or its Affiliates in the ordinary course of its business),

(iii) a Person or other entity Controlling directly or indirectly or under common Control with the Corporation or any such Affiliate or stockholder, partner, customer, creditor, manager, contractor, supplier, employee, officer, director or other Person or

(iv) a member of the immediate family of any such Affiliate or stockholder, partner, customer, creditor, manager, contractor, supplier, employee, officer, director or other Person.

The initial Independent Directors are Kenneth J. Uva and Victor A. Duva.

To the fullest extent permitted by law, each Independent Director shall consider only the interests of the Corporation, including its respective creditors, in acting or otherwise voting on the matters referred to in Article TENTH, Section (c). The unanimous approval of both Independent Directors shall be required to terminate a majority of the Corporation's Space Licenses.

Either or both of the Independent Directors may be removed by the stockholders at any time; provided, however, that no resignation or removal of an Independent Director shall be effective until a successor Independent Director is appointed and such successor (i) shall have accepted his or her appointment as an Independent Director by a written instrument and (ii) shall have executed a counterpart to this Amended and Restated Certificate of Incorporation. In the event of a vacancy in the position of either Independent

Director, the stockholders shall, as soon as practicable, appoint a successor Independent Director.

All right, power and authority of the Independent Directors shall be limited to the extent necessary to exercise those rights and perform those duties specifically set forth in this Amended and Restated Certificate of Incorporation. Neither Independent Director shall at any time serve as trustee in bankruptcy for the Corporation or any Affiliate of the Corporation.

NINTH. In furtherance and not in limitation of the powers conferred by the laws of the State of Delaware, the Board of Directors of the corporation is expressly authorized to make, alter and repeal the By-Laws, subject to the power of the stockholders of the corporation to alter or repeal any By-Law whether adopted by them or otherwise.

TENTH. Limitations on the Corporation's Activities

(a) This Article TENTH is being adopted in order to comply with certain provisions required in order to qualify the Company as a "special purpose" entity.

(b) The Corporation reserves the right at any time, and from time to time, to amend, alter, change or repeal any provision contained in this Amended and Restated Certificate of Incorporation, and other provisions authorized by the laws of the State of Delaware at the time in force may be added or inserted, in the manner now or hereafter prescribed by law; and all rights, preferences and privileges of whatsoever nature conferred upon stockholders, Directors or any other persons whomsoever by and pursuant to this Amended and Restated Certificate of Incorporation in its present form or as hereafter amended are granted subject to the rights reserved in this Article TENTH; provided that, none of Article FOURTH, EIGHTH and TENTH shall be amended without (1) the unanimous vote of the entire Board of Directors without any vacancies, including each Independent Director, (2) the corporation having received Rating Agency Confirmation with respect to such modification and (3) with respect to Article SIXTH, for so long as any Notes are outstanding, the prior written consent of the Trustee.

(c) To the fullest extent permitted by applicable law, notwithstanding any other provision of this Amended and Restated Certificate of Incorporation, none of the Corporation or the Board of Directors or any officer of the Corporation or any other Person shall be authorized or empowered, nor shall they permit the Corporation, to take any of the following actions without (1) the unanimous written consent of the entire Board of Directors (including each Independent Director) (and no such actions shall be taken or authorized unless there are at least two Independent Directors then serving in such capacity) and (2) in the case of sub-clauses (vi) through (ix) below, for so long as any obligations under the Transaction Documents remain outstanding, the Corporation having received Rating Agency Confirmation with respect to such actions:

(i) The making by the Corporation of a voluntary assignment for the benefit of creditors, the filing of a petition in bankruptcy by the Corporation, the

Corporation petitioning or applying to any tribunal for any receiver or trustee, the Corporation commencing any proceeding relating to itself under any bankruptcy, reorganization, readjustment of debt, dissolution or liquidation law or statute of any jurisdiction, the Corporation indicating its consent to, approval of or acquiescence in any such proceeding and failing to use its best efforts to have discharged the appointment of any receiver of or trustee for the Corporation or any substantial part of their respective properties;

(ii) The voluntary taking of any action by the Corporation that would cause it to cease to be Solvent. As used herein, the term "Solvent" means that the aggregate present fair saleable value of the Corporation's assets is in excess of the total cost of its probable liability on its existing debts to third parties as they become absolute and matured, the Corporation has not incurred debts beyond its foreseeable ability to pay such debts as they mature, and the Corporation has capital adequate to conduct the business in which it is presently employed;

(iii) The entering into any contract, agreement or arrangement (whether written or oral) by the Corporation other than agreements and contracts in force as of the date hereof and renewals thereof which (1) contain provisions restricting the Corporation from competing in any business activity in any geographic area, (2) contain provisions requiring the Corporation to deal exclusively with any third party with respect to providing any goods, services or rights to or acquiring any goods, services or rights from such third party, (3) contain provisions which are inconsistent with the obligations of the Corporation under any of the Transaction Documents or (4) provide for the purchase or sale of goods, services or rights involving an amount in excess of \$10,000,000 per year in any transaction or series of similar transactions;

(iv) Admit in writing the inability of the Corporation to pay its debts generally as they become due;

(v) Consent to substantive consolidation with any shareholder of the Corporation or any Affiliate;

(vi) Engage in any business or activity other than as required or permitted under Article FOURTH;

(vii) Engage in any merger or consolidation with any Person or engage in any sale, assignment, lease or other disposition of (whether in one transaction or in a series of transactions), or any voluntarily parting with the control of (whether in one transaction or in a series of transactions), a material portion of the Corporation's assets (whether now owned or hereinafter acquired), except (1) in accordance with the provisions of any of the Transaction Documents or (2) for sales or dispositions of assets in the ordinary course of business;

(viii) Amend this Amended and Restated Certificate of Incorporation, except for amendments to this Amended and Restated Certificate of Incorporation in circumstances where the consent of the Independent Directors is not required by this Article TENTH hereof;

(ix) To the fullest extent permitted by law, dissolve, liquidate or wind-up the Corporation or approve of any proposal relating thereto; or

(x) Take any action in furtherance of any of the preceding actions.

(d) The Board of Directors shall cause the Corporation to do or cause to be done all things necessary to preserve and keep in full force and effect its existence, rights (charter and statutory) and franchises; provided, however, that, subject to receipt by the Corporation of Rating Agency Confirmation with respect to such determination, the Corporation shall not be required to preserve any such right or franchise if the Board of Directors shall determine that the preservation thereof is no longer desirable for the conduct of its business and that the loss thereof is not disadvantageous in any material respect to the holders of any outstanding Notes. Except as may be otherwise permitted in the Indenture and the other Transaction Documents, the Corporation shall, and the Board of Directors shall cause the Corporation to:

(i) Not directly or indirectly, remain liable, create, incur, assume, guarantee, or otherwise become or remain directly or indirectly liable with respect to any Indebtedness. As used herein, "Indebtedness" means, at any time, (1) liabilities for borrowed money, (2) liabilities for the deferred purchase price of property acquired by the Corporation (excluding accounts payable arising in the ordinary course of business but including all liabilities created or arising under any conditional sale or other title retention agreement with respect to any such property), (3) all liabilities appearing on its balance sheet in accordance with generally accepted accounting principles consistently applied throughout the periods involved ("GAAP") in respect of capital leases, (4) all liabilities for borrowed money secured by any Encumbrance with respect to any property owned by the Corporation (whether or not it has assumed or otherwise become liable for such liabilities), (5) all liabilities in respect of letters of credit or instruments serving a similar function issued or accepted for its account by banks and other financial institutions (whether or not representing obligations for borrowed money) and (6) any guaranty of the Corporation with respect to liabilities of a type described in any of clauses (1) through (5) hereof;

(ii) Not pledge its assets or make any loan or advances to any member of the Parent Group or any other Person and not acquire obligations or securities of any of member of the Parent Group;

(iii) Pay its own liabilities, indebtedness and obligations from its own separate assets as the same shall become due;

(iv) Maintain books and records and bank accounts separate from those of the Parent Group and any other Person and maintain separate financial statements, except that it may also be included in consolidated financial statements of its Affiliates;

(v) Be, and at all times hold itself out to the public as, a legal entity separate and distinct from any other Person (including any member of the Parent Group), and not as a department or division of any Person and correct any known misunderstandings regarding its existence as a separate legal entity;

(vi) Pay the salaries of its own employees, if any, and maintain a sufficient number of employees in light of its contemplated business operations (it being understood that the Corporation will obtain administrative services from third parties and is not likely to need any employees itself);

(vii) Allocate fairly and reasonably any overhead for office space shared with its Affiliates;

(viii) Use its own stationary, invoices and checks (other than the Issuer Parties, who are expressly permitted to use, along with other Issuer Parties only, common stationary, invoices and checks);

(ix) File its own tax returns with respect to itself (or consolidated tax returns, if applicable) as may be required under applicable law;

(x) Not commingle or permit to be commingled its funds or other assets with those of any member of the Parent Group or any other Person that is not an Affiliate;

(xi) Maintain its assets in such a manner that it is not costly or difficult to segregate, ascertain or identify its individual assets from those of any other Person;

(xii) Not guarantee or otherwise hold itself out to be responsible for the debts or obligations of any other Person;

(xiii) Conduct business in its own name;

(xiv) Observe the requirements of the General Corporation Law of the State of Delaware and the requirements of this Amended and Restated Certificate of Incorporation; and

(xv) Maintain adequate capital in light of its contemplated business operations.

Failure of the Corporation or the Board of Directors on behalf of the Corporation to comply with any of the foregoing covenants or any other covenants contained in this Amended and Restated Certificate of Incorporation shall not affect the status of the Corporation as a separate legal entity.

ELEVENTH. A Director of the Corporation shall not be liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a Director, except to the extent such exemption from liability or limitation thereof is not permitted under the General Corporation Law of the State of Delaware as the same exists or may hereafter be amended. Any amendment, modification or repeal of the foregoing sentence shall not adversely affect any right or protection of a Director of the Corporation hereunder in respect of any act or omission occurring prior to the time of such amendment, modification or repeal.

IN WITNESS WHEREOF, the undersigned has executed this Amended and Restated Certificate of Incorporation this 6th day of June, 2005.

CROWN COMMUNICATION INC.


By: 
E. Blake Hawk, Executive Vice President

Exhibit B

Certificate of Authorization from the State of Kentucky for Crown Communications, Inc.

Commonwealth of Kentucky
Trey Grayson, Secretary of State

12/6/2007

Division of Corporations
Business Filings

P. O. Box 718
Frankfort, KY 40602
(502) 564-2848
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication Number: 56987

Jurisdiction: Kentucky

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to authenticate this certificate.

I, Trey Grayson, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,
CROWN COMMUNICATION INC.

, a corporation organized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on August 12, 1997.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 271B.16-220 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 6th day of December, 2007.



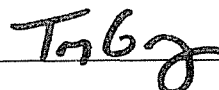

Trey Grayson
Secretary of State
Commonwealth of Kentucky
56987/0437072

Exhibit C

Survey of Site



2000 CORPORATE DRIVE
COLUMBIANA, TN 37038



5700 Maple Ridge Rd, Suite 200, Henderson, Nevada 89001
317-239-2595 Fax: 317-239-1531



Consulting Engineers
Land Surveyors
318 North Main Street
Henderson, Nevada 89002
Phone: 8137-683-2040
e-mail: benchmark@bshlibb.com

SITE NUMBER: 9831_3666

SITE NAME: DALE HOLLOW

SITE ADDRESS: STATE PARK ROAD
BURKESVILLE, KY 42717

LEASE AREA: 10000 SQ. FT.

PARCEL OWNER: DALE HOLLOW LAKE
STATE RESORT PARK
405 MENO STREET
FRANKFORT, KY 40601

OWNER: ROB E. MINERICH

COUNTY: CUMBERLAND COUNTY

SOURCE OF TITLE

LATITUDE: 36.98951, 60.972° N
LONGITUDE: 85.1793, 07.531° W

DATE: 9.21.07

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DESCRIPTION OF LEASE AREA

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 03 DEGREES 31 MINUTES 27 SECONDS EAST 528.41 FEET TO THE NORTHERNMOST CORNER OF THE LEASE AREA DESCRIPTION AND TRUE PLACE OF BEGINNING; THENCE SOUTH 37 DEGREES 03 MINUTES 07 SECONDS EAST 100.00 FEET; THENCE SOUTH 52 DEGREES 56 MINUTES 53 SECONDS WEST 100.00 FEET; THENCE NORTH 37 DEGREES 03 MINUTES 37 SECONDS WEST 100.00 FEET; THENCE NORTH 52 DEGREES 56 MINUTES 53 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, MORE OR LESS.

DESCRIPTION OF 20' UTILITY EASEMENT

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 69 DEGREES 05 MINUTES 07 SECONDS EAST 56.44 FEET; THENCE ON AND ALONG A LINE 10 FEET ON EITHER SIDE OF THE FOLLOWING: SOUTH 20 DEGREES 39 MINUTES 58 SECONDS EAST 131.11 FEET; THENCE SOUTH 47 DEGREES 36 MINUTES 52 SECONDS WEST 62.28 FEET; THENCE SOUTH 12 DEGREES 40 MINUTES 52 SECONDS EAST 297.60 FEET; THENCE SOUTH 52 DEGREES 56 MINUTES 53 SECONDS WEST 100.00 FEET TO A POINT ON THE LEASE LINE AND TERMINUS OF THIS UTILITY EASEMENT DESCRIPTION.

DESCRIPTION OF 30' ACCESS EASEMENT

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE NORTH 16 DEGREES 19 MINUTES 50 SECONDS WEST 15.21 FEET TO THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 15 FEET ON EITHER SIDE OF THE FOLLOWING ON A CURVE TO THE LEFT SOUTH 47 DEGREES 03 MINUTES 07 SECONDS WEST A CHORD DISTANCE OF 263.99 FEET AND HAVING A RADIUS OF 252.70 A DISTANCE ALONG THE ARC OF 277.77 FEET; THENCE SOUTH 10 DEGREES 27 MINUTES 39 SECONDS WEST 100.37 FEET; THENCE SOUTH 02 DEGREES 34 MINUTES 44 SECONDS WEST 146.16 FEET; THENCE ON AND ALONG A CURVE TO THE RIGHT AND HAVING A CHORD OF SOUTH 28 DEGREES 53 MINUTES 40 SECONDS WEST 247.24 FEET WITH A RADIUS OF 319.52 FEET A DISTANCE ALONG THE ARC OF 253.86 FEET; THENCE SOUTH 50 DEGREES 10 MINUTES 20 SECONDS WEST 277.42 FEET; THENCE SOUTH 33 DEGREES 02 MINUTES 46 SECONDS WEST 147.39 FEET; THENCE ON AND ALONG A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 46 DEGREES 31 MINUTES 39 SECONDS EAST 60.10 FEET AND HAVING A RADIUS OF 30.90 FEET A DISTANCE ALONG THE ARC OF 82.57 FEET; THENCE NORTH 43 DEGREES 36 MINUTES 15 SECONDS EAST 139.08 FEET; THENCE NORTH 59 DEGREES 02 MINUTES 19 SECONDS EAST 44.71 FEET; THENCE SOUTH 37 DEGREES 03 MINUTES 07 SECONDS EAST 36.22 FEET TO THE TERMINUS OF THIS ACCESS EASEMENT DESCRIPTION.

ALSO: FOR THE PURPOSE OF EGRESS AT THE ISLAND ROADWAY NEAR THE INTERSECTION OF SAID MARY RAY OAKEN LODGE ROAD AND DALE HOLLOW STATE PARK ROAD AND BEING A ONE WAY AND DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 16 DEGREES 19 MINUTES 50 SECONDS EAST 17.50 FEET TO THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 15 FEET ON EITHER SIDE OF THE FOLLOWING ON A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 53 DEGREES 44 MINUTES 33 SECONDS WEST 251.05 FEET WITH A RADIUS OF 285.99 FEET A DISTANCE ALONG THE ARC OF 259.90 FEET TO THE CENTERLINE OF THE ABOVE DESCRIBED 30' ACCESS EASEMENT

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS INDICATED ON THIS PLAT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

LAND SURVEYOR'S NAME: RALPH M. WALLEM
REGISTERED: 2195
STATE OF KENTUCKY

OWNER APPROVAL: [Signature]
OWNER NAME: RALPH M. WALLEM
DATE: 2195

GRAND CASTLE APPROVAL: [Signature]
GRAND CASTLE NAME: [Signature]
DATE: [Signature]

NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

TITLE: SURVEY PLAN
SHEET: C-2a

Exhibit D

Site Candidate Package

Site Information Candidate Package

Site Name:

DALE HOLLOW (8531-3666)



CANDIDATE "D"

Commonwealth of Kentucky

Site Address:

**TBD State Park Road
Burkesville, Kentucky 42717**

Work Performed for:



SITE CANDIDATE INFORMATION PACKAGE – “SCIP”

SEARCH RING NAME:	Dale Hollow Lake	SEARCH RING NUMBER:	8531-3666
ACQUISITION FIRM:	Excell Communications, Inc.	SITE ACQUISITION AGENT(S):	Ed Justice Scott Smith
DELIVERY DATE:	August 7, 2007	PHONE NUMBER:	423-747-4646 (EJ) 919-771-1961 (SS)
CANDIDATE NAME:	Dale Hollow Lake State Resort Park	CANDIDATE LETTER:	D

CHECKLIST AND ENCLOSURES:

✓	ENTRY & TESTING AGREEMENT
N/A	CERTIFICATE OF INSURANCE REQUEST
N/A	ORIGINAL SEARCH AREA FORM / MAP WITH SITE MARKED ¹
✓	SITE SKETCH
✓	STREET MAP WITH SITE MARKED
✓	TOPOGRAPHICAL MAP WITH SITE MARKED (MUST SHOW ELEVATIONS – NOTE CONTOUR INTERVAL)
N/A	TAX MAP WITH SITE MARKED
N/A	ZONING MAP WITH SITE MARKED
N/A	100 YEAR FLOOD PLAIN MAP
_____	EXISTING SURVEY / PLAT OF PROPERTY <input checked="" type="checkbox"/> ² NOT AVAILABLE
_____	UNDERLYING LEASE <input checked="" type="checkbox"/> NOT APPLICABLE
_____	MEMORANDUM OF UNDERLYING LEASE <input checked="" type="checkbox"/> NOT APPLICABLE
N/A	COPY OF DEED
N/A	COPY OF MOST RECENT TAX BILL OR PROPERTY APPRAISER PRINT-OUT
✓	ENVIRONMENTAL CHECKLIST
✓	PHOTOS - <input checked="" type="checkbox"/> FOUR CORNERS OF COMPOUND / CENTER OF PROPOSED TOWER FLAGGED
✓	OTHER: VIEW NORTH TO SITE, VIEW NORTH FROM SITE
✓	OTHER: VIEW SOUTH TO SITE, VIEW SOUTH FROM SITE
✓	OTHER: VIEW WEST TO SITE, VIEW WEST FROM SITE
✓	OTHER: VIEW EAST TO SITE, VIEW EAST FROM SITE
✓	OTHER: VIEW OF INGRESS AND EGRESS

INITIAL AGREED TO RENT?	Agreement has been negotiated with Commonwealth of Kentucky
--------------------------------	--------------------------------------------------------------------

Copy of Lease was left with property owner Yes No

SITE OWNER INFORMATION:

PROPERTY OWNER: Dale Hollow Lake State Resort Park
CONTACT NAME: Rob E. Minerich
OWNER'S MAILING ADDRESS: 405 Mero Street
CITY, STATE, ZIP: Frankfort, Kentucky 40601
PHONE NUMBERS [DAY, EVE, CELL]: 502-564-5335 x173 502-229-9190
FAX NUMBER:
EMAIL: Rob.Minerich@ky.gov

SITE LOCATION / INFORMATION:

Degrees-Minutes-Seconds
LATITUDE 36°-38'-51.8" LONGITUDE 85°-17'-32.9"
COORDINATES FROM GPS (NAD83)
GROUND ELEVATION: 1,043' FEET METERS
PROPOSED TOWER HEIGHT: 190'
STREET: Dale Hollow State Park Road
CITY: Burkesville STATE KY ZIP: 42717
COUNTY: Cumberland
IS THIS THE 911 ADDRESS? Yes No

Lease Area Information:

PROPOSED STRUCTURE: 190' Monopole
LEASE AREA DIMENSIONS: 100' x 100'
SIZE OF ENTIRE TRACT: 3,400 acres
EXISTING USE: State Park

Driving Directions from Nearest Crown District Office: From Nashville take I-40 toward Knoxville. Take the TN-111 exit (EXIT 288) toward Livingston / Sparta. Turn left onto TN-111 and follow TN-111 for 45.0 miles. Turn left onto US 127 and travel 5.8 miles. Turn right onto S Washington St / US 127 N and continue to follow US-127 N 4.5 miles. Turn left onto US 127 / KY-90 and continue to follow KY-90 for 10.6 miles. Turn Left onto KY 449 and travel 4.5 miles. Turn Left onto KY-1206 (Dale Hollow Lake Road) and travel 3.6 miles to Park entrance. Proceed 1.4 miles to the intersection of Dale Hollow Park Road and Mary Ray Oaken Lodge Road. Continue straight on Dale Hollow Lake Road for 0.3 miles to an open field on the right with an overhead power line. Turn right and follow the tree line to the top of the hill. Turn left along tree line, go additional 180' and the site is on the left, just in the woods.

IF THIS SITE DOES NOT HAVE A STREET ADDRESS, PLEASE COMPLETE THE FOLLOWING:

NEAREST PROPERTY STREET ADDRESS: 6371 State Park Road
CITY: Burkesville STATE KY ZIP: 42717
DISTANCE & DIRECTION OF THIS ADDRESS FROM SITE 3,000' Northwest
NEAREST CROSS STREET: N/A

UTILITIES:

EXISTING POWER AT SITE YES NO
POWER COMPANY: TRI COUNTY ELECTRIC
CONTACT NAME/PHONE NO.: MARK SHRUM 800-369-2111 EXT. 130
MSHRUM@TCEMC.ORG

EXISTING TELCO AT SITE YES NO
TELEPHONE COMPANY: DUO COUNTY TELEPHONE
CONTACT NAME/PHONE NO.: CUSTOMER SERVICE 270-433-2121

ACCESS:

ACCESS EASEMENT REQUIRED? YES NO FROM THIRD PARTY YES NO
ACCESS FROM PUBLIC ROAD? YES NO
SPECIAL ACCESS (4WD ETC.): N/A
NEEDED IMPROVEMENTS TO ACCESS: Yes
EXISTING ROAD? YES NO
WIDTH AND LENGTH OF EXISTING ROAD: N/A
WIDTH AND LENGTH OF PROPOSED ROAD: 30' x 900'
SEPARATE UTILITY EASEMENT REQ'D? YES NO FROM THIRD PARTY YES NO
ACCESS RESTRICTIONS: None
CRANE ACCESSIBLE? YES NO
SITE ACCESSIBLE 24/7? YES NO

ZONING:

ZONING DISTRICT CLASSIFICATION: No zoning
ZONING JURISDICTION: State Park
ZONING CONTACT NAME & TITLE: N/A
ADDRESS: N/A
PHONE #: N/A
DESCRIBE ZONING PROCESS: N/A

ARE TOWERS PERMITTED IN CURRENT ZONING DISTRICT? YES NO
TOWER SETBACKS (FT.) FRONT NONE REAR NONE SIDE NONE STREET NONE
ZONING CLASS ADJ. PROP.
FALL ZONE REQUIRED: YES NO
MINIMUM LOT SIZE? IF SO, WHAT? No
BUFFER REQUIRED? YES NO
SPECIAL CONDITIONS / PROBLEMS: NONE
HEIGHT RESTRICTIONS: NONE
IS PUBLIC HEARING REQUIRED? YES NO

X	Zoning Type
X	BY -RIGHT (NO ZONING REQUIRED)
	ADMINISTRATIVE - NO PUBLIC HEARING
	PUBLIC HEARING - (CUP, SE, SUP)
	VARIANCE
	OTHER:

FILING DUE DATES: N/A
 HEARING DATES: N/A
 ESTIMATED OVERALL ZONING DURATION: N/A
 ZONING APPLICATION FEE: N/A

BUILDING PERMITS:

PERMITS REQUIRED? YES NO
 PERMITTING AUTHORITY: N/A
 BUILDING DEPT CONTACT NAME & TITLE: N/A
 ADDRESS: N/A
 PHONE #: N/A
 ESTIMATED OVERALL PERMITTING DURATION: N/A
 PERMITTING PROCESS NOTES: N/A

BUILDING PERMIT APPLICATION FEE: N/A
 ELECTRICAL PERMIT APPLICATION FEE: N/A

911 ADDRESSING AUTHORITY / ENTITY:

ENTITY: 911 not implemented in this county
 CONTACT NAME: N/A
 ADDRESS: N/A
 PHONE #: N/A

*Is the site in a local flood plain? YES NO

Misc.

TRI COUNTY ELECTRIC COMPANY HAS AN ARRANGEMENT WITH THE PARK WHEREIN ALL SERVICES WITHIN THE PARK BELONG TO THE PARK. ANY ADDITIONAL ELECTRICAL CONNECTIONS WILL BE MADE WITH THE PARK SERVICE. DIALOGUE IS UNDERWAY AS OF 8/1/07 WITH TRI COUNTY TO DETERMINE WHAT SOLUTIONS MIGHT BE AVAILABLE. FOR INFORMATION CONCERNING THE ELECTRICAL SERVICE INTO THE PARK, CONTACT MARC SHRUM AT TRI-COUNTY ELECTRIC 1-800-369-2111 EXT. 130.

ENVIRONMENTAL CHECKLIST DURING PRELIMINARY SITE SEARCH

Yes or No responses - if "yes", please give details below

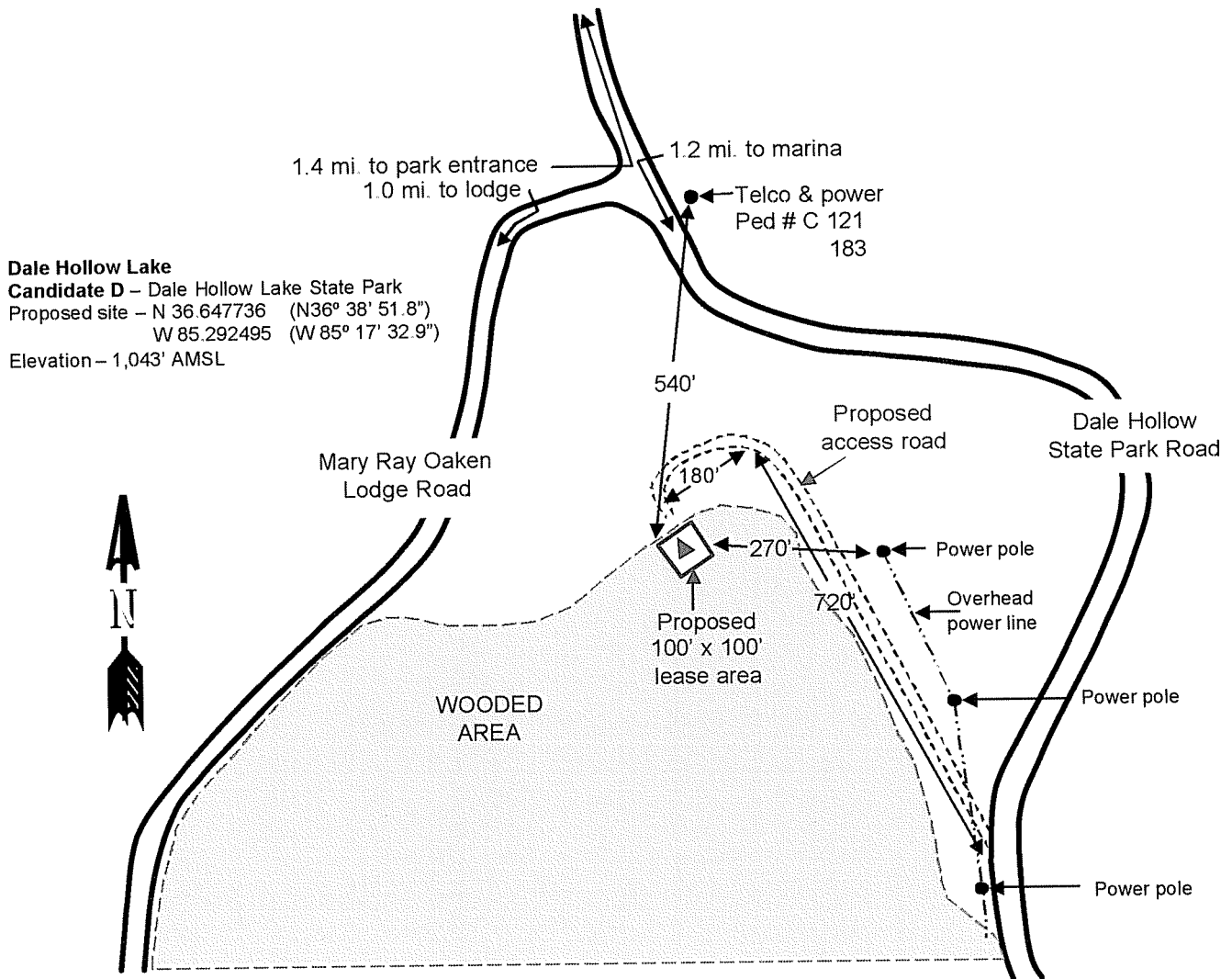
	Subject Site	Adjoining Site
GASOLINE STATION OR FUEL PUMPS	NO	NO
CAR REPAIR SERVICE	NO	NO
DISCARDED CAR BATTERIES	NO	NO
JUNKYARD	NO	NO
DRY CLEANERS, ON/OFF SITE	NO	NO
WASTE TREATMENT FACILITY	NO	NO
LANDFILL	NO	NO
INDUSTRY	NO	NO
CHEMICAL CONTAINERS	NO	NO
55 GALLON DRUMS	NO	NO
STAINED SOILS	NO	NO
ABOVEGROUND STORAGE TANKS	NO	NO
UNDERGROUND STORAGE TANKS	NO	NO
PIPES PROTRUDING FROM THE GROUND	NO	NO
TRANSFORMERS	NO	NO
DEAD OR DISTRESSED TREES OR PLANTS OR GRASS	NO	NO
TRASH, GARBAGE DUMPED (DESCRIBE AMOUNT)	NO	NO
RAILROAD LINES	NO	NO
INDUSTRIAL OR FARM EQUIPMENT	NO	NO
MANUFACTURING OF INDUSTRIAL FACILITIES	NO	NO
WATER ON OR ADJACENT TO PROPERTY*	NO	NO
OTHER CONCERNS	NO	NO

Provide photos of any conditions found on list and describe conditions in detail:

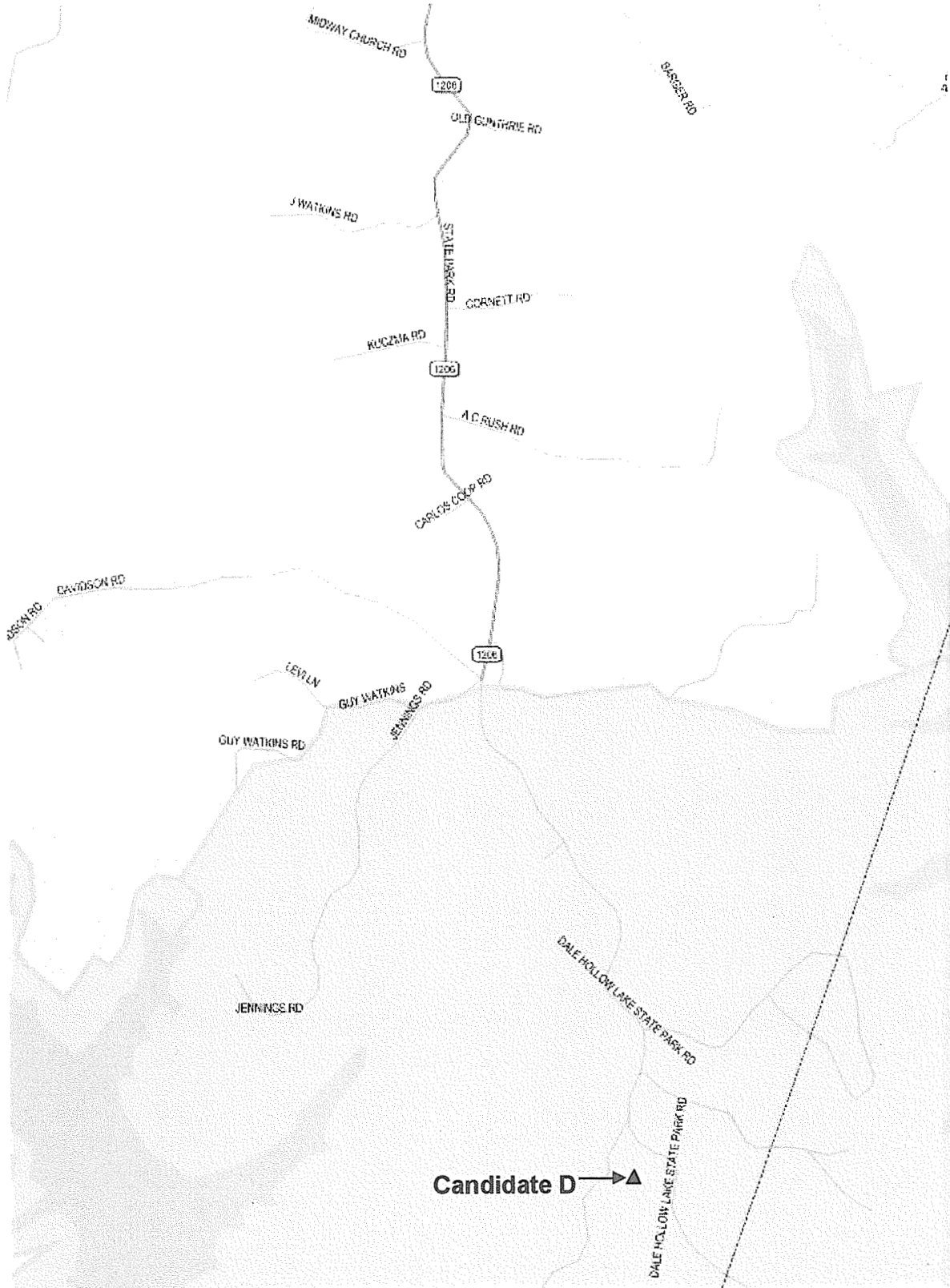
DETAILED SITE SKETCH – (Not to Scale)

CHECKLIST

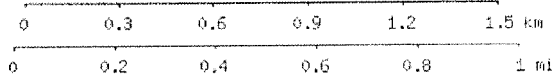
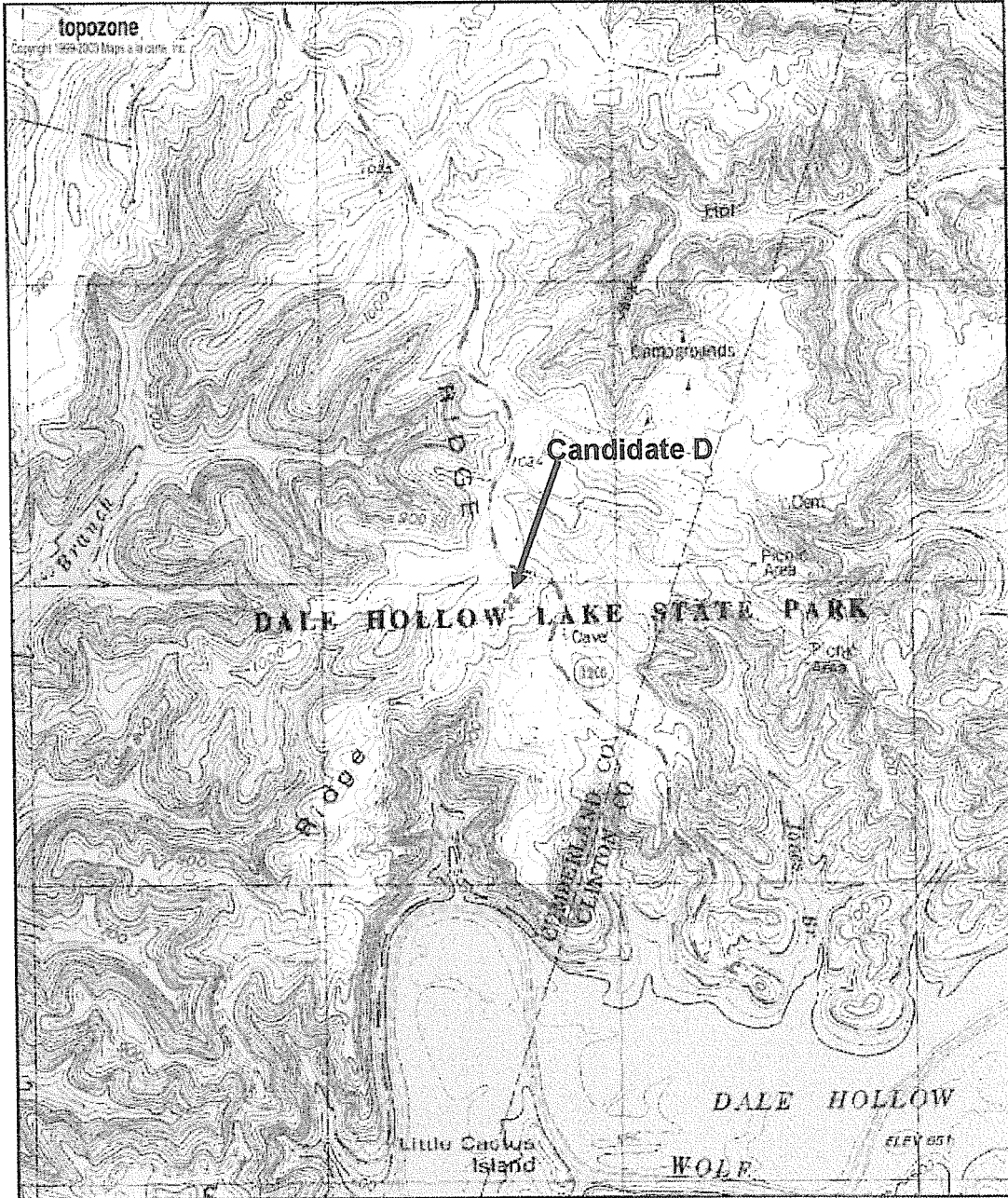
✓	Public Right-of-Way shown
none	Setbacks shown
none	Fall zone shown
✓	Landscaping requirements
unknown	Parent tract dimensions
✓	Access easements
✓	Utility easements
N/A	Adjacent zoning
N/A	Adjacent land uses
none	Surrounding structures
none	Streams/water locations
✓	Overhead utility lines
✓	Trees to be removed.
In lease area	Shelter location



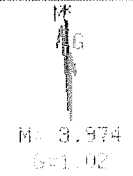
STREET MAP



TOPOGRAPHICAL MAP



36° 38' 52"N, 85° 17' 33"W (NAD83/WGS84)
USGS Frogue (KY,TN) Quadrangle
Projection is UTM Zone 16 NAD83 Datum



SPECIAL ISSUES CONCERNING THIS SITE

Please list all out of the ordinary, special conditions pertaining to this site. Be as detailed and specific as possible.

Construction Concerns:

Park officials expressed an interest in keeping the access road as close to the tree line as possible. It is important to keep some of the natural vegetation between the northern lease line and the open field to the north for buffer and add buffer when completed.

Surveying Concerns (Access, Utility, etc.):

None

Lease Concerns:

None

Zoning Concerns:

N/A

Other Concerns:

Electrical lines are available within 270' of the site as shown in the photographs, however, it has not yet been determined that they are available for this application.

SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " - (Dale Hollow Lake State Park)



VIEW NORTH FROM THE SITE

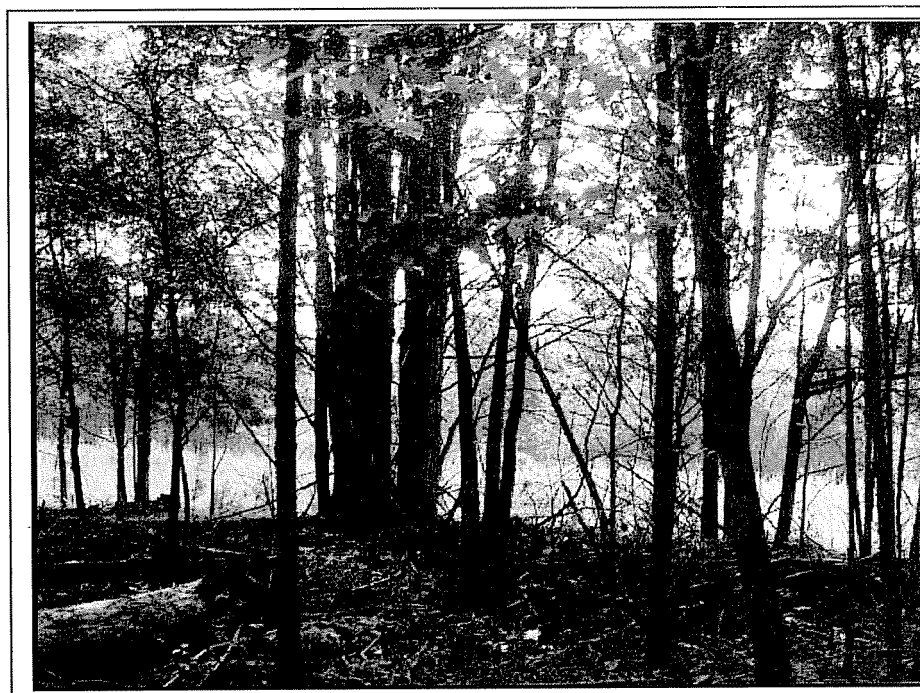


VIEW SOUTH FROM THE SITE

SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " - (Dale Hollow Lake State Park)

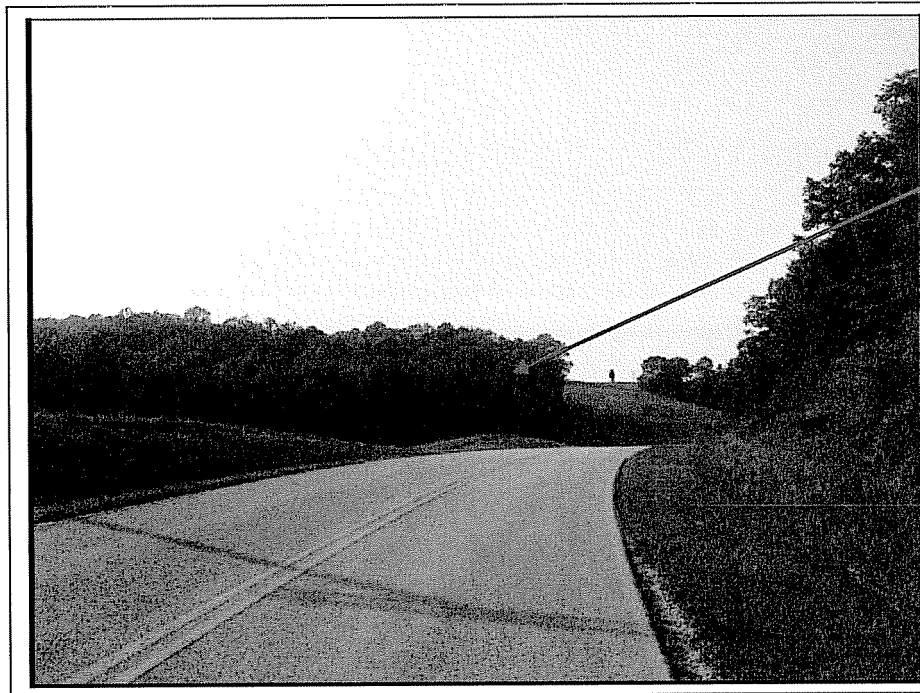


VIEW EAST FROM THE SITE



VIEW WEST FROM THE SITE

SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " - (Dale Hollow Lake State Park)



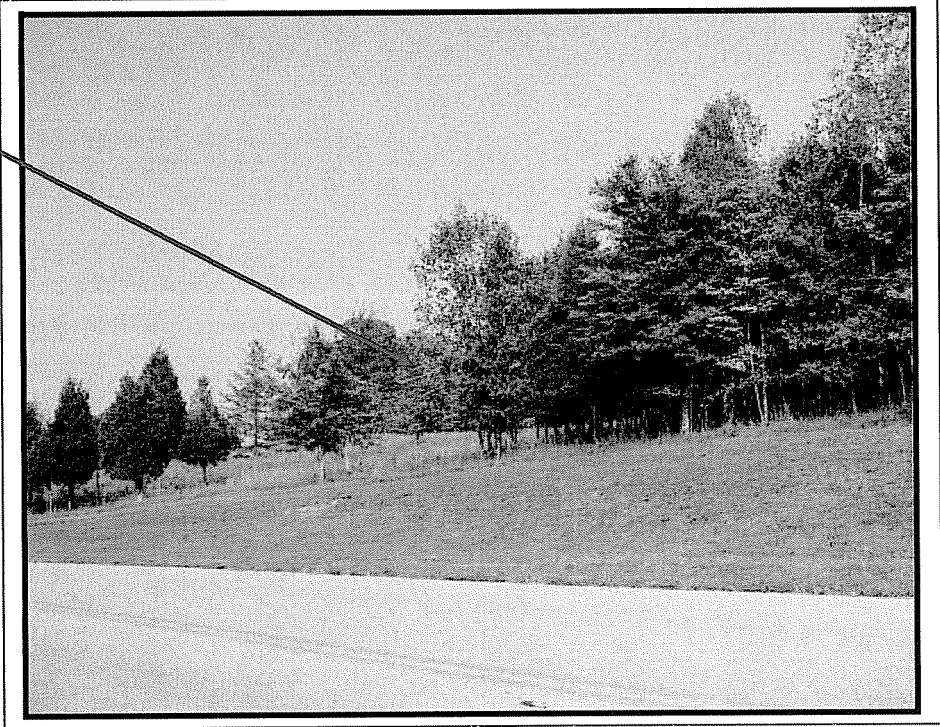
VIEW NORTH TO THE SITE



VIEW SOUTH TO THE SITE

SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " - (Dale Hollow Lake State Park)

Proposed site



VIEW EAST TO THE SITE

Proposed site.



VIEW WEST TO THE SITE

SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " - (Dale Hollow Lake State Park)



VIEW OF INGRESS FACING EAST

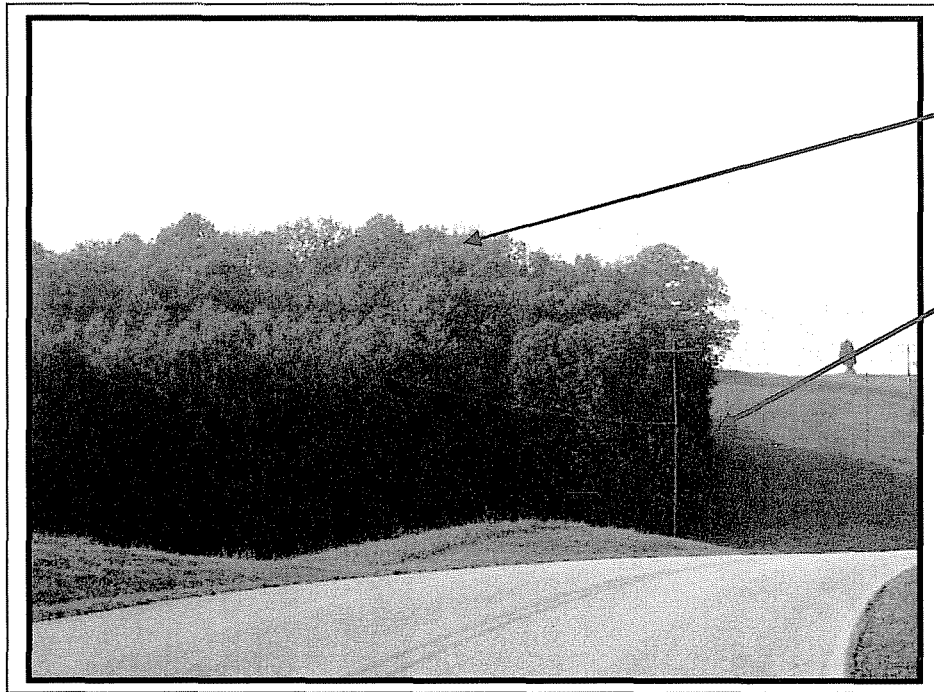


Closest power line,
(may not be
available for
service).

Access along tree
line.

VIEW OF EGRESS FACING SOUTH

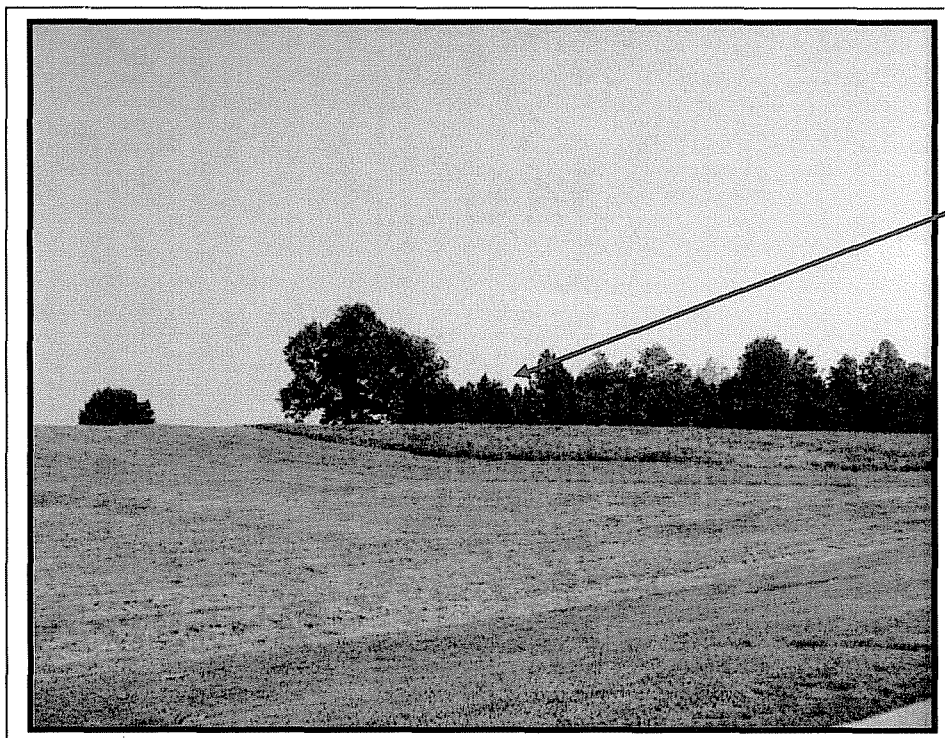
SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " – (Dale Hollow Lake State Park)



Proposed site

Proposed access along tree line

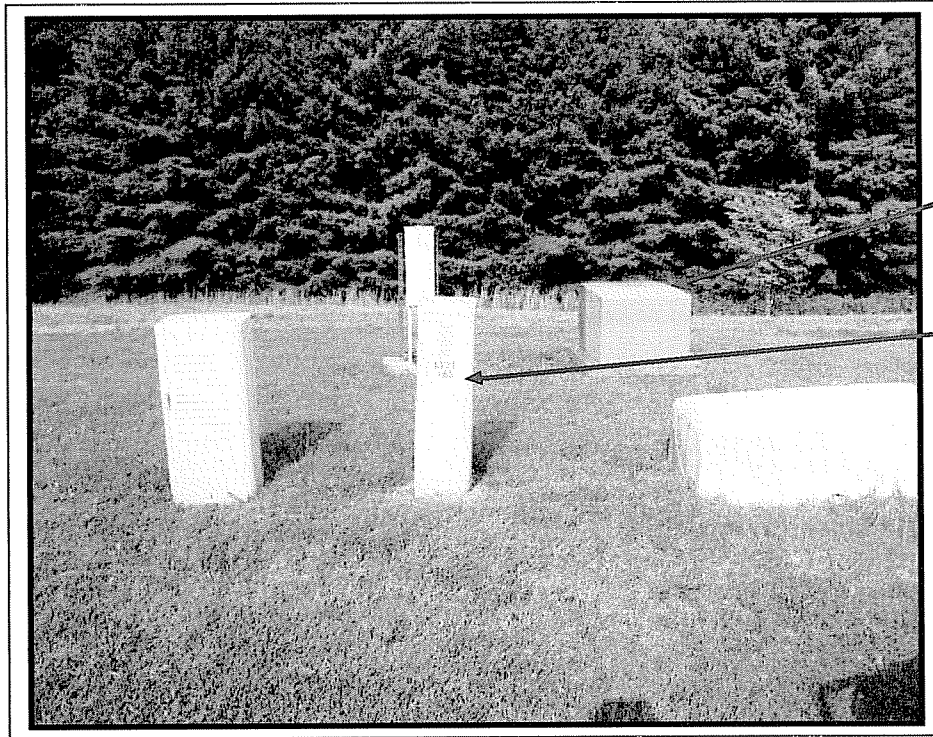
VIEW OF ACCESS ROAD



Proposed site

VIEW OF FRONT OF SITE OFF ROAD

SITE NAME: Dale Hollow Lake (8531-3666)
SITE PHOTOS OF CANDIDATE " D " - (Dale Hollow Lake State Park)



Closest transformer

Phone ped

VIEW OF TELCO AND TRANSFORMER NEAREST SITE



Proposed site

FRONT VIEW OF TOWER SITE FACING SOUTH

Exhibit E

Propagation Map Showing Existing Wireless Coverage

Exhibit F

Propagation Map Showing Wireless Coverage With Proposed Tower

Scale 1:201,926



EW



EW

- Forward Coverage Prediction
- Signal Level ≥ -70 dBm
 - Signal Level ≥ -80 dBm
 - Signal Level ≥ -90 dBm
 - Signal Level ≥ -120 dBm

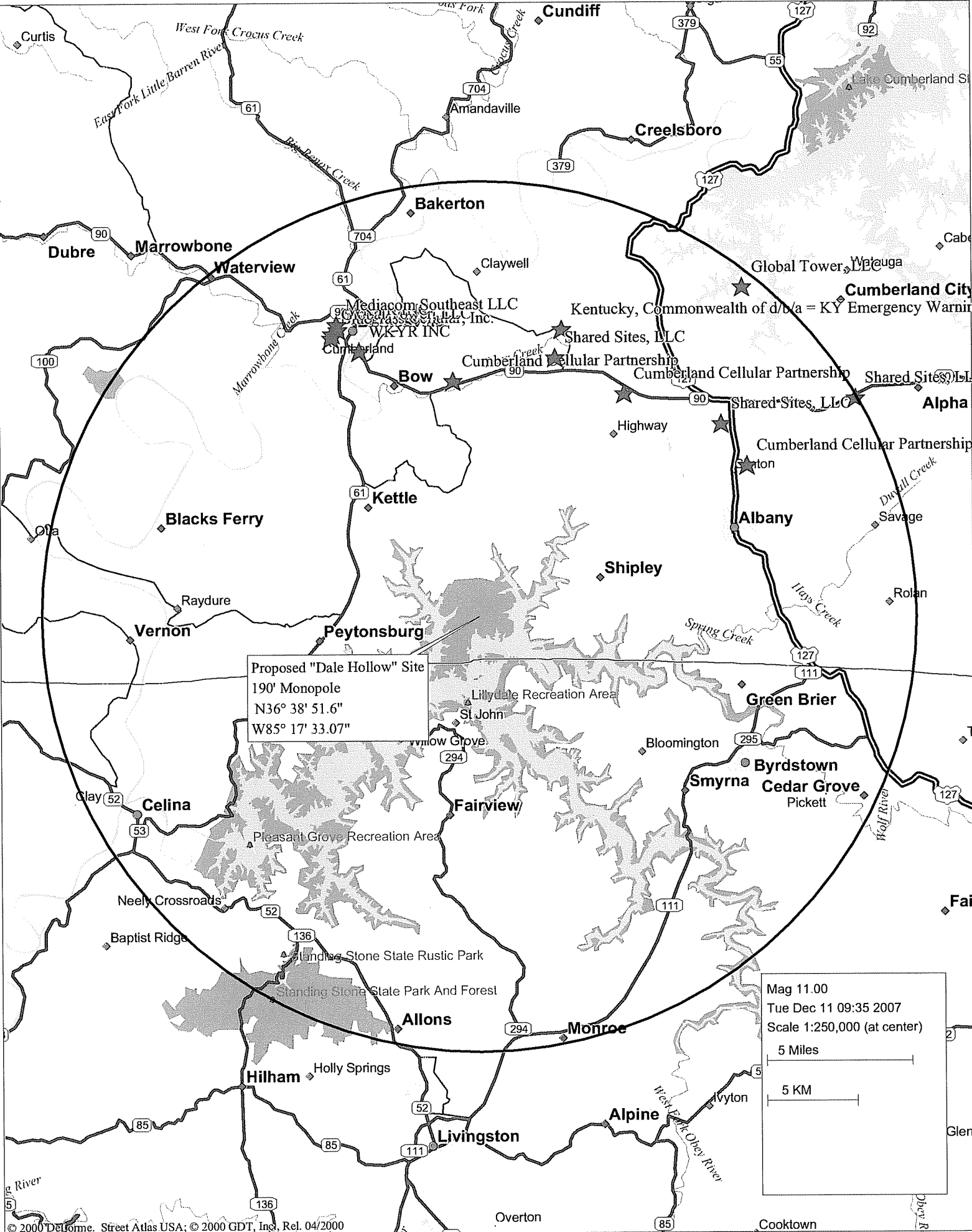
Long term fading margin: 90% - Area
 Subscriber antenna gain: 0 dBd - Antenna height: 4.9 Ft
 Human body attenuation: 4 dB - Penetration attenuation: 2 dB

Composite Forward Prediction

System:	GSM	Service Class:	In Car	Phase:	2006
Printing:	8/2/2007 7:59 AM	Project:	NSD		

Exhibit G

Map and List of FAA Registered Towers Owned by
Competing Public Utilities, Corporations or Persons



Proposed "Dale Hollow" Site
 190' Monopole
 N36° 38' 51.6"
 W85° 17' 33.07"

Mag 11.00
 Tue Dec 11 09:35 2007
 Scale 1:250,000 (at center)

5 Miles

5 KM

Proposed "Dale Hollow" Site
 190' Monopole
 N36° 38' 51.6"
 W85° 17' 33.07"

Mag 11.00
 Tue Dec 11 09:35 2007
 Scale 1:250,000 (at center)
 5 Miles
 5 KM

Proposed "Dale Hollow" Site
 190' Monopole
 N36° 38' 51.6"
 W85° 17' 33.07"

Mag 11.00
 Tue Dec 11 09:35 2007
 Scale 1:250,000 (at center)
 5 Miles
 5 KM

List of FAA Registered Towers Owned by Competing Public Utilities, Corporations or Persons

	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
1	1040490	Constructed	A0047689	Bluegrass Cellular, Inc.	36-47-11.0N 085-23-02.0W	Burkesville, KY	96.0
2	1042229	Constructed	A0515052	Global Tower, LLC	36-47-19.0N 085-23-00.0W	Burkesville, KY	91.1
3	1044802	Constructed	A0547363	Kentucky, Commonwealth of d/b/a = KY Emergency Warning System KEWS	36-47-26.0N 085-14-28.0W	Burkesville, KY	85.0
4	1046918	Constructed	A0055210	WKYR INC	36-47-26.0N 085-22-47.0W	Burkesville, KY	58.0
5	1046919	Constructed	A0055211	WKYR INC	36-46-47.0N 085-22-00.0W	Burkesville, KY	59.4
6	1063507	Constructed	A0455374	Global Tower, LLC	36-48-41.0N 085-07-47.0W	Albany, KY	91.1
7	1214215	Constructed	A0196228	Mediacom Southeast LLC	36-47-35.2N 085-22-49.8W	Burkesville, KY	74.9
8	1239784	Constructed	A0336446	Cumberland Cellular Partnership	36-43-21.4N 085-07-37.2W	Albany, KY	77.7
9	1257755	Constructed	A0552588	Cumberland Cellular Partnership	36-45-53.9N 085-18-31.2W	Burkesville, KY	77.7
10	1258265	Constructed	A0552605	Shared Sites, LLC	36-44-36.2N 085-08-34.1W	Albany, KY	78.0
11	1258266	Constructed	A0556350	Shared Sites, LLC	36-45-21.3N 085-03-35.4W	Albany, KY	87.2
12	1258453	Constructed	A0555762	Cumberland Cellular Partnership	36-45-30.5N 085-12-09.6W	Albany, KY	77.7
13	1258928	Constructed	A0565196	Shared Sites, LLC	36-46-35.6N 085-14-42.7W	Burkesville, KY	102.1

Kentucky Tower Sites – 15 Mile Radius

Source: FAA ASR Registration Data Base <http://wireless2.fcc.gov/UlsApp/AsrSearch/asrRegistrationSearch.jsp>

Exhibit H

Site Development Plan:

Vicinity Map

Legal Descriptions

Site Plan

Vertical Tower Profile



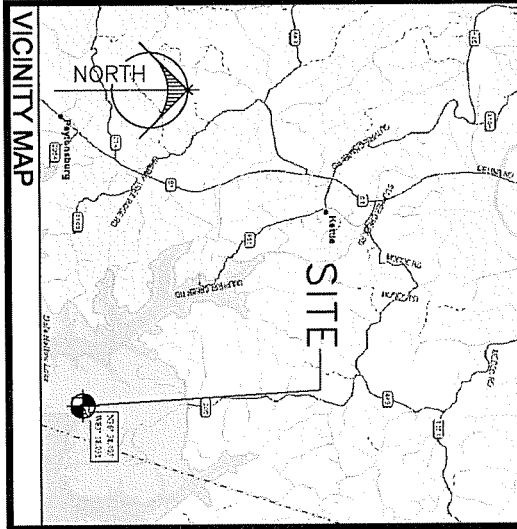
CLAUS PYLE SCHOMER BURNS & DEHAVEN, INC.
CPD ASSOCIATES
 8275 Allison Pointe Trail, Suite 220, Indianapolis, Indiana 46250
 317-299-2996, Fax 317-293-1331



SITE NAME: DALE HOLLOW
LOC ID: 8531-3686
ADDRESS: MARY RAY OAKEN LODGE ROAD
BURKESVILLE, KY 42717
CUMBERLAND COUNTY

DIRECTIONS FROM NEAREST CROWN CASTLE DISTRICT OFFICE:

FROM NASHVILLE TAKE I-40 TOWARD KNOXVILLE. TAKE THE TN-111 EXIT (EXIT 288) TOWARD LIVINGSTON/SPARTA. TURN LEFT ONTO TN-111 AND FOLLOW TN-111 FOR 4.5 MI. TURN LEFT ONTO US-127 AND TRAVEL 5.8 MI. TURN RIGHT ONTO S WASHINGTON ST/US-127 N AND CONTINUE TO FOLLOW US-127 N 4.5 MI. TURN LEFT ONTO US-127/KY-90 AND CONTINUE TO FOLLOW KY-90 FOR 10.6 MI. TURN LEFT ONTO KY-449 AND TRAVEL 4.5 MI. TURN LEFT ONTO KY-1206 (DALE HOLLOW LAKE ROAD) AND TRAVEL 3.6 MILES TO PARK ENTRANCE. PROCEED 1.4 MI TO THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY RAY OAKEN LODGE ROAD. CONTINUE STRAIGHT ON DALE HOLLOW LAKE RD FOR .3 MI TO AN OPEN FIELD ON THE RIGHT WITH AN OVERHEAD POWER LINE. TURN RIGHT AND FOLLOW THE TREE LINE TO THE TOP OF THE HILL. TURN LEFT ALONG TREE LINE. GO ADDITIONAL 180' AND THE SITE IS ON THE LEFT, JUST IN THE WOODS. DIST. 145mi (APPROX. 3hrs 18mins)

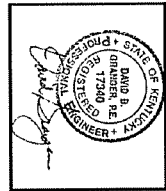


SITE DRAWINGS

SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET SITE SURVEY
C-1	OVERALL SITE PLAN
C-2	SOIL & EROSION CONTROL NOTES
C-3	LANDSCAPING PLAN
L-1	LANDSCAPING DETAILS
L-2	LANDSCAPING DETAILS
A-1	TOWER ELEVATION
A-2	SITE PLAN
A-3	DETAILED COMPANION & ICE BRIDGE PLAN
A-4	DETAILED ACCESSORY
A-5	SITE GRADING PLAN
A-6	GRADING PLAN & NOTES

CPD ASSOCIATES
 8275 Allison Pointe Trail
 Indianapolis, Indiana 46250
 317-299-2996, Fax 317-293-1331

CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CANNONBURG, PA 15317
 USA



STANDARDIZED CONSTRUCTION SPECIFICATIONS DETAILS & GUIDELINES

SHEET NUMBER	DESCRIPTION
GNB-1	GENERAL NOTES & SPECIFICATIONS
EBM	BILL OF MATERIALS
E-1	ELECTRICAL NOTES
EM-1	10 FT RACK DETAILS
EM-2	10 FT FRAME DETAIL
CD-1	CONSTRUCTION DETAILS
CD-2	GATE DETAILS
CD-3	NOT USED
CD-4	NOT USED
CD-4.1	TRENCH DETAILS / CONDUIT DETAILS
CD-5	NOT USED
CD-6	NOT USED
GD-1	GROUNDING DETAILS
GD-2	GROUNDING DETAILS
S-1	SITE SURROUND FENCE & GATE

APPENDIX BLUEGRASS DETAILS & NOTES

SHEET NUMBER	DESCRIPTION
BG-01	BLUEGRASS COAX ANTENNA DETAILS
BG-02	BLUEGRASS FOUNDATION DETAILS
BG-03	BLUEGRASS MISC. DETAILS
BG-04	BLUEGRASS GENERATOR SPEC SHEET
BG-05	BLUEGRASS GENERAL NOTES

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PROJECT INFORMATION	SITE MANAGER	CONSTRUCTION MANAGER	ZONING MANAGER	RF ENGINEER	PROJECT MANAGER
NAME: _____ DATE: _____	NAME: _____ DATE: _____	NAME: _____ DATE: _____	NAME: _____ DATE: _____	NAME: _____ DATE: _____	NAME: _____ DATE: _____

DESCRIPTION OF LEASE AREA

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 03 DEGREES 31 MINUTES 27 SECONDS EAST 528.41 FEET TO THE NORTHERNMOST CORNER OF THE LEASE AREA DESCRIPTION AND TRUE PLACE OF BEGINNING; THENCE SOUTH 37 DEGREES 03 MINUTES 07 SECONDS EAST 100.00 FEET; THENCE SOUTH 52 DEGREES 36 MINUTES 53 SECONDS WEST 100.00 FEET; THENCE NORTH 37 DEGREES 03 MINUTES 37 SECONDS WEST 100.00 FEET; THENCE NORTH 52 DEGREES 56 MINUTES 53 SECONDS EAST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, MORE OR LESS.

DESCRIPTION OF 20' UTILITY EASEMENT

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 69 DEGREES 05 MINUTES 07 SECONDS EAST 56.44 FEET; THENCE ON AND ALONG A LINE 10 FEET ON EITHER SIDE OF THE FOLLOWING; SOUTH 20 DEGREES 39 MINUTES 58 SECONDS EAST 131.11 FEET; THENCE SOUTH 47 DEGREES 36 MINUTES 52 SECONDS WEST 62.28 FEET; THENCE SOUTH 12 DEGREES 40 MINUTES 52 SECONDS EAST 297.60 FEET; THENCE SOUTH 52 DEGREES 56 MINUTES 53 SECONDS WEST 100.00 FEET TO A POINT ON THE LEASE LINE AND TERMINUS OF THIS UTILITY EASEMENT DESCRIPTION.

DESCRIPTION OF 30' ACCESS EASEMENT

A PART OF THE DALE HOLLOW LAKE STATE RESORT PARK, CUMBERLAND COUNTY, KENTUCKY, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE NORTH 16 DEGREES 19 MINUTES 50 SECONDS WEST 15.21 FEET TO THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 15 FEET ON EITHER SIDE OF THE FOLLOWING ON A CURVE TO THE LEFT SOUTH 47 DEGREES 03 MINUTES 07 SECONDS WEST 100.00 FEET; THENCE ON AND HAVING A RADIUS OF 252.70 A DISTANCE ALONG THE ARC OF 277.77 FEET; THENCE SOUTH 10 DEGREES 27 MINUTES 39 SECONDS WEST 100.37 FEET; THENCE SOUTH 02 DEGREES 34 MINUTES 44 SECONDS WEST 146.16 FEET; THENCE ON AND ALONG A CURVE TO THE RIGHT AND HAVING A CHORD OF SOUTH 26 DEGREES 53 MINUTES 40 SECONDS WEST 247.24 FEET WITH A RADIUS OF 319.52 FEET; THENCE SOUTH 02 DEGREES 53 MINUTES 40 SECONDS WEST 147.39 FEET; THENCE ON AND ALONG A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 46 DEGREES 50 DEGREES 10 MINUTES 20 SECONDS WEST 277.42 FEET; THENCE SOUTH 33 DEGREES 02 MINUTES 48 SECONDS WEST 147.39 FEET; THENCE ON AND ALONG A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 46 DEGREES 31 MINUTES 38 SECONDS EAST 60.10 FEET AND HAVING A RADIUS OF 30.90 FEET A DISTANCE ALONG THE ARC OF 82.57 FEET; THENCE NORTH 43 DEGREES 36 MINUTES 15 SECONDS EAST 139.08 FEET; THENCE NORTH 59 DEGREES 02 MINUTES 19 SECONDS EAST 414.71 FEET; THENCE SOUTH 37 DEGREES 03 MINUTES 07 SECONDS EAST 36.22 FEET TO THE TERMINUS OF THIS ACCESS EASEMENT DESCRIPTION.

ALSO, FOR THE PURPOSE OF EGRESS AT THE ISLAND ROADWAY NEAR THE INTERSECTION OF SAID MARY OAKEN LODGE ROAD AND DALE HOLLOW STATE PARK ROAD AND BEING A ONE WAY AND DESCRIBED AS FOLLOWS:

COMMENCING AT A PK NAIL SET AT THE INTERSECTION OF DALE HOLLOW PARK ROAD AND MARY OAKEN LODGE ROAD AND HAVING THE KENTUCKY STATE PLANE SOUTH ZONE COORDINATES OF NORTH 1755784.928 AND EAST 1774608.303; THENCE SOUTH 16 DEGREES 19 MINUTES 50 SECONDS EAST 17.50 FEET TO THE TRUE PLACE OF BEGINNING; THENCE ON AND ALONG A LINE 15 FEET ON EITHER SIDE OF THE FOLLOWING ON A CURVE TO THE LEFT AND HAVING A CHORD OF SOUTH 53 DEGREES 44 MINUTES 33 SECONDS WEST 251.05 FEET WITH A RADIUS OF 285.99 FEET A DISTANCE ALONG THE ARC OF 259.90 FEET TO THE CENTERLINE OF THE ABOVE DESCRIBED 30' ACCESS EASEMENT

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN AND SURVEY WERE MADE UNDER MY SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS SHOWN THEREON WERE MADE TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Ralph M. Wallin
 RALPH M. WALLIN
 OWNER APPROVAL: _____ DATE: _____
 GROWN CASTLE APPROVAL: _____ DATE: _____
 PLS. NO. 80040185

NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.



2000 CORPORATE DRIVE
 CUMBERLAND, TN 37032
GPD ASSOCIATES
 200 New York, N.Y. 10038
 317-298-2008 • Fax 317-283-1331



BENCHMARK SERVICES, INC.
 Consulting Engineers
 Land Surveyors
 318 North Main Street
 Hillsdale, NJ 07034
 Phone: (973) 883-2040
 Fax: (973) 883-2049
 e-mail: benchmark@bgsi.com

SITE NUMBER:
 8531_3668

SITE NAME:
 DALE HOLLOW

SITE ADDRESS:
 STATE PARK ROAD
 BURNSVILLE, KY 42717

LEASE AREA:
 10000 SQ. FT.

PROPERTY OWNER:
 DALE HOLLOW LAKE
 STATE RESORT PARK
 FRANKFORT, KY 40601

OWNER:
 ROB E. MINERICH

COUNTY:
 CUMBERLAND COUNTY

SOURCE OF TITLE:

LATITUDE: 36°38'61.80972" N
LONGITUDE: 85°17'33.07531" W

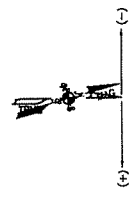
DATE: 9.21.07
BY: RMMV

DATE:

TITLE:
 SURVEY PLAN

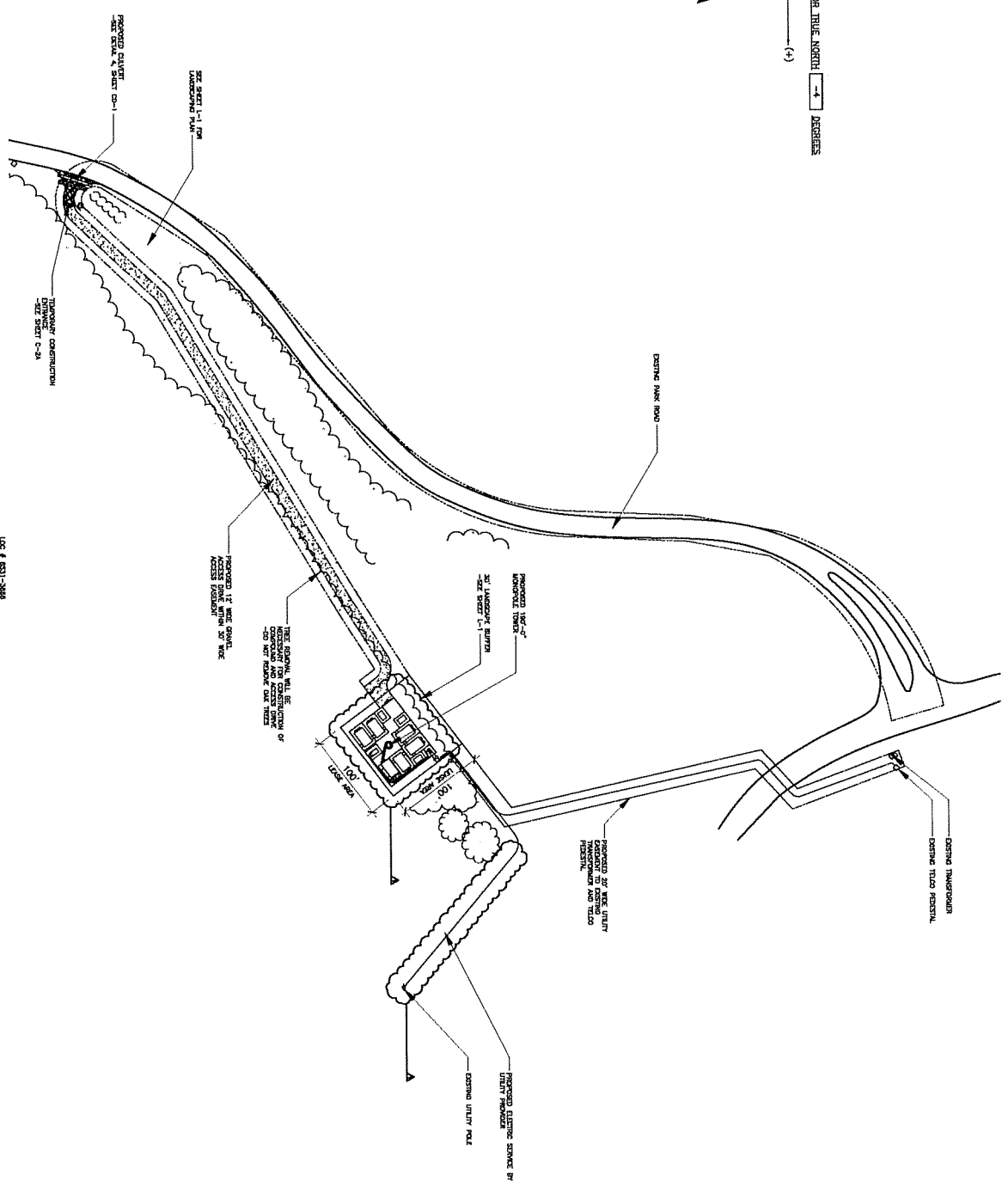
SHEET:
 C-2a

MAGNETIC NORTH DEVIATION FOR TRUE NORTH \rightarrow DEGREES



AREA USAGE	10000 SQ FT
CHOWAN LEASE AREA	9200 SQ FT
COMPOUND AREA	0 SQ FT
USED AREA	0 SQ FT

OVERALL SITE PLAN



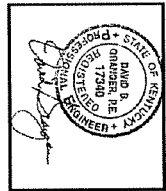
LOC # 801-3485

SCALE 1"=100'

1

NO.	DATE	DESCRIPTION
D	10/18/07	FINAL CONSTRUCTION DRAWINGS
A	11/15/07	BUILDING NOTED & NO CLERIFICATION

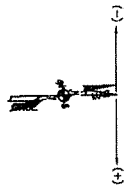
DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/18/07
 GPD GROUP
 SITE NUMBER: 851-3485
 SITE NAME: DALE HOLLOW
 DALE HOLLOW
 651-3486
 SITE ADDRESS
 MARY RAY GARDEN LODGE ROAD
 BIRGERSVILLE NY 4877
 CUMBERLAND COUNTY
 SHEET TITLE
OVERALL SITE PLAN
 SHEET NUMBER
C-1



GROWN
 SITE
 INTERNATIONAL, INC.
 2000 CORPORATE DRIVE
 CANNONBURG, PA 15117
 USA

GPD
 ASSOCIATES
 Suite 200
 4274 A Highway 101
 Indianapolli, Indiana 46240
 317-282-2896, Fax 317-235-1331

MAGNETIC NORTH DEVIATION FOR TRUE NORTH [] DEGREES



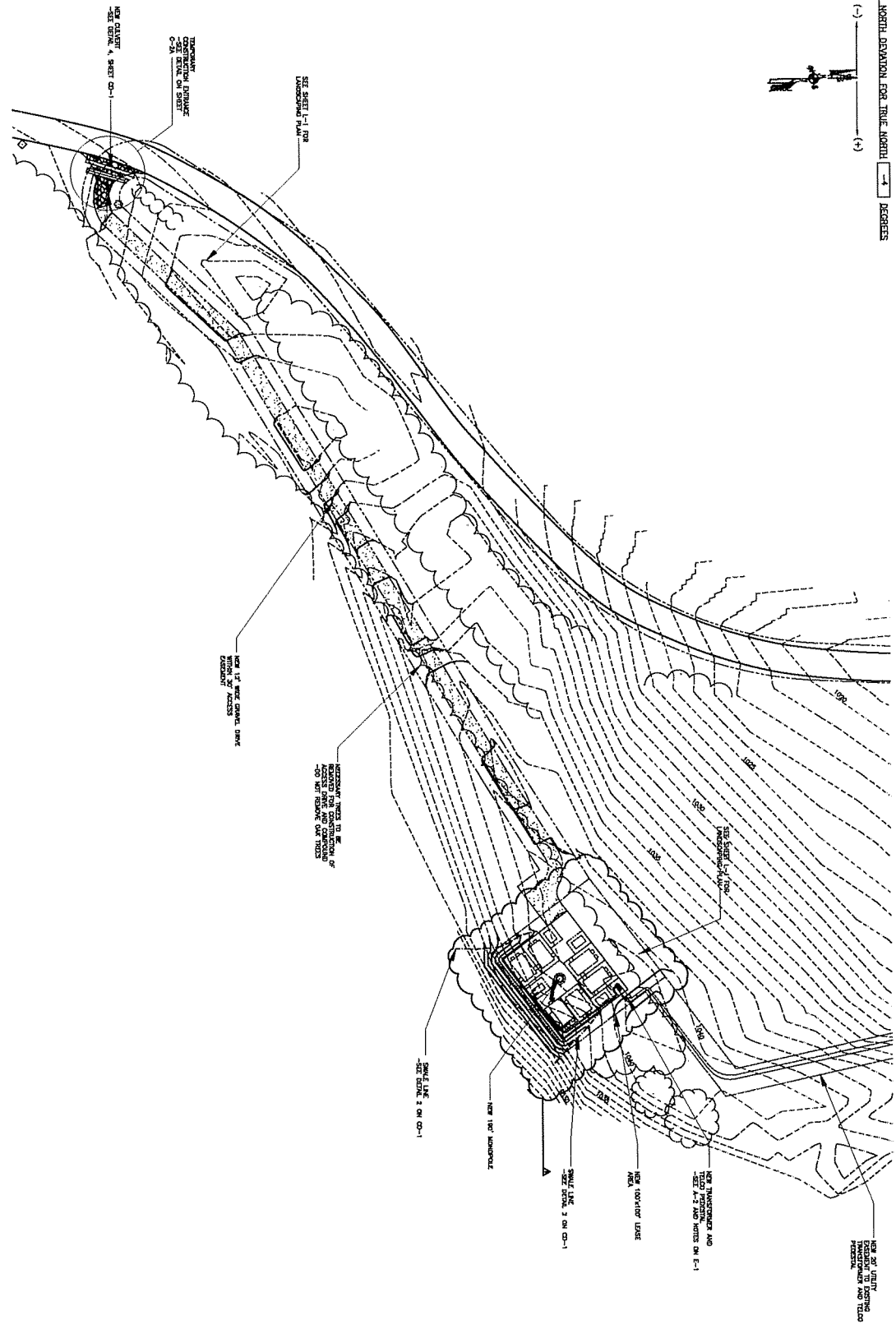
AREA USAGE
 CHOWN LEASE AREA 10000 SQ FT
 COMPOUND AREA 5200 SQ FT
 USED AREA 0 SQ FT

SOIL & EROSION CONTROL GRADING PLAN

USE # 831-388

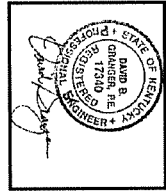
SCALE
 1"=40'

1



NO.	DATE	DESCRIPTION
0	07/10/11	FINAL CONSTRUCTION DRAWINGS
1	07/11/11	BUILDING ROTATED & NO CLARIFICATIONS

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/18/07
 GPD GROUP
 SITE NUMBER: 831-388
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 LOC ID#
 831-388
 SITE ADDRESS
 MARY BAY OAKEN LODGE ROAD
 BIRKBEVILLE NY 4277
 CAMBERLAND COUNTY
 SHEET TITLE
 SOIL & EROSION CONTROL
 GRADING PLAN
 SHEET NUMBER
 C-2



CROWN CASTLE
 2000 CORPORATE DRIVE
 CAMBERSBURG, PA 17317
 USA

GPD ASSOCIATES
 500 S. 200
 INDIANAPOLIS, INDIANA 46220
 317-252-2000, FAX 317-252-1331

STORM WATER POLLUTION PREVENTION NOTES

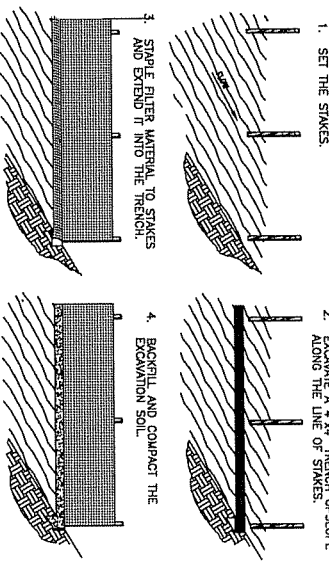
1. ALL WORK SPECIFIED AS A/N DOT ITEM SHALL BE COVERED BY THE CURRENT STATE OF DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK. IT IS CONTRACTOR'S RESPONSIBILITY TO FURNISH WITH APPLICABLE SPECIFICATIONS.
2. THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION PREVENTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES AND METHODS OF SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
3. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS NOTED OR NOTED ON THIS SHEET.
4. ALL MATERIALS TO BE USED SHALL BE ALLIANCE IN ALL AREAS THAT SHALL BE APPLIED TO 15 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 14 DAYS WITH SEEDING, AS DEFINED ABOVE AND AS SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEEDING GRASSES SHALL NOT BE MOVED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.

SEEDING DATES	SEED TYPE	PROPAGATION RATE
MARCH 1 - AUGUST 15	PERMANENT PINE GRASS	100 LBS/AC
AUGUST 16 - NOVEMBER 1	PERMANENT PINE GRASS	100 LBS/AC
AFTER NOVEMBER 1	PERMANENT PINE GRASS	100 LBS/AC
SEED BED PREPARATION	STRAW OR HAY MULCH	2-3 BALS/1000 SQ. FT.
	PERMANENT PINE GRASS	1000
	PERMANENT PINE GRASS	1000
	PERMANENT PINE GRASS	1000

5. PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 10 DAYS AT THE COMPLETION OF GRADED AREAS. WEATHER PERMITTING, ALL PERMANENT VEGETATION SHALL CONSIST OF PLANTING AND SOD AS DETAIL ON THE LANDSCAPE PLAN L-1.
6. AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DRENCHES TO BE LAYED OUT, ALL DISTURBED AREAS SHALL BE REGRADED AND SEEDED WITHIN 14 DAYS WITH SEEDING, AS DEFINED ABOVE AND AS SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEEDING GRASSES SHALL NOT BE MOVED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.
7. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING OR NEW STORM WELLS, CATCH BASINS, AND VARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION.
8. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INSPECT EROSION SITUATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
9. SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STANDING CONCRETE CONTRACTOR SHALL BE IN PLACE. A GOOD STANDING CONCRETE CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
10. TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER RAIN STORMS.
12. UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DETAIL ON THE STORM WATER PREVENTION PLAN OF DISTURBANCE FOR THIS PROJECT IS 0.994 ACRES.
14. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING. ALL EXISTING WATER COURSES SHALL BE RESTORED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION AS SHOWN ON PLANS.
15. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
18. WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
19. THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:
 1. SILT BARRIERS
 2. CONSTRUCTION ENTRANCE

CONSTRUCTION SEQUENCE

1. STAKE AND/OR FLAG LIMITS OF CLEARING, CONSTRUCTION, AND SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED.
2. CLEARING & GRUBBING, AS NECESSARY, FOR INSTALLATION OF PERMETER CONTROL.
3. INSTALL SILT FENCE PERMETER CONTROL AS SHOWN ON PLANS.
4. MAINTAIN PERMETER CONTROL THROUGHOUT CONSTRUCTION WHICH MUST BE KEPT CLEAN BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE PERMETER CONTROL SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD INTO THE PUBLIC OR PRIVATE ROADWAY. VEHICLES ON THE ROADWAY MUST BE STOPPED FROM ENTERING THE ROADWAY.
5. BEGIN FILLING & GRUBBING THE REMAINING SITE AS NECESSARY.
6. CONSTRUCTION AND GRADING ACTIVITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
7. CONSTRUCT SITE WORK INCLUDING STORM DRAINAGE FACILITIES, PERMETER CONTROL, AND SEDIMENTATION CONTROL.
8. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, INSTALL SILT BARRIERS.
9. MAINTAIN SILT BARRIERS THROUGHOUT CONSTRUCTION.
10. UPON COMPLETION OF CONSTRUCTION, REMOVE PERMETER CONTROL MEASURES UNTIL PERMETER CONTROL IS COMPLETELY STABILIZED.
12. REMOVE SEDIMENT CONTROLS.

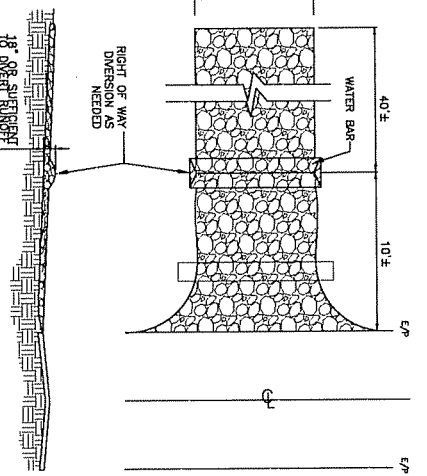


FABRIC PROPERTIES

MIN. TENSILE STRENGTH	120 LBS.
MAX. ELONGATION @ 10 LBS.	50 LBS.
MIN. TENSILE STRENGTH	40 LBS.
MIN. TEAR STRENGTH	200 PSI
APPEARANT OPENING SIZE	1/16" (1/8" SEC. (-1))
MINIMUM PERCENTAGE ULTRAVIOLET OXIDATION STRENGTH RETENTION	70%

SILT BARRIER

M.T.S.



NOTES:

1. STONE SIZE - TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. THE CONSTRUCTION ENTRANCE SHALL COMBIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
3. PAVEMENT THICKNESS - STONE LAYER SHALL BE AT LEAST 6" THICK.
4. DRIVE WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS/EGRESS OCCURS.
5. BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A TENSILE STRENGTH OF AT LEAST 200 LBS. AND A MULLET BURST CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
7. A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
8. MAINTENANCE - THE DRESSING OF AND SPILLAGE DROPPED FROM THE CONSTRUCTION ENTRANCE SHALL BE WASHED OR SWEEPED. REMOVAL SHALL BE ACCOMPLISHED BY SWEEPING OR SWEEPING. REMOVAL SHALL BE ACCOMPLISHED BY SWEEPING OR SWEEPING.
9. REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

NOTICE TO CONTRACTOR

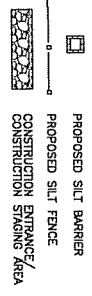


Call Monday thru Friday - 7 am to 6 pm.
Dial 811

1-800-786-6007

FOR REQUEST SET UP AN ACCOUNT WITHOUT CHARGE AND RECEIVE DAILY FREE CONSTRUCTION WORK.

LEGEND



REVISIONS

NO.	DATE	DESCRIPTION
1	10/11/07	FINAL CONSTRUCTION DRAWING
2	11/17/07	BUILDING NOTICED & NO CLAIMS/COPIES

DRAWN BY: DTC
CHECKED BY: TTT
DRAWING DATE: 10/18/07

GPO GROUP
SITE NUMBER: KS1-3488
SITE NAME: DALE HOLLOW
DATE HOLLOW
BUSINESS UNIT NUMBER
KS1-3488
SITE ADDRESS
MARY RAY CANTON LORAIN ROAD
BIRMINGHAM, ALABAMA 35217
USA
SHEET TITLE
SOIL & EROSION CONTROL NOTES
SHEET NUMBER

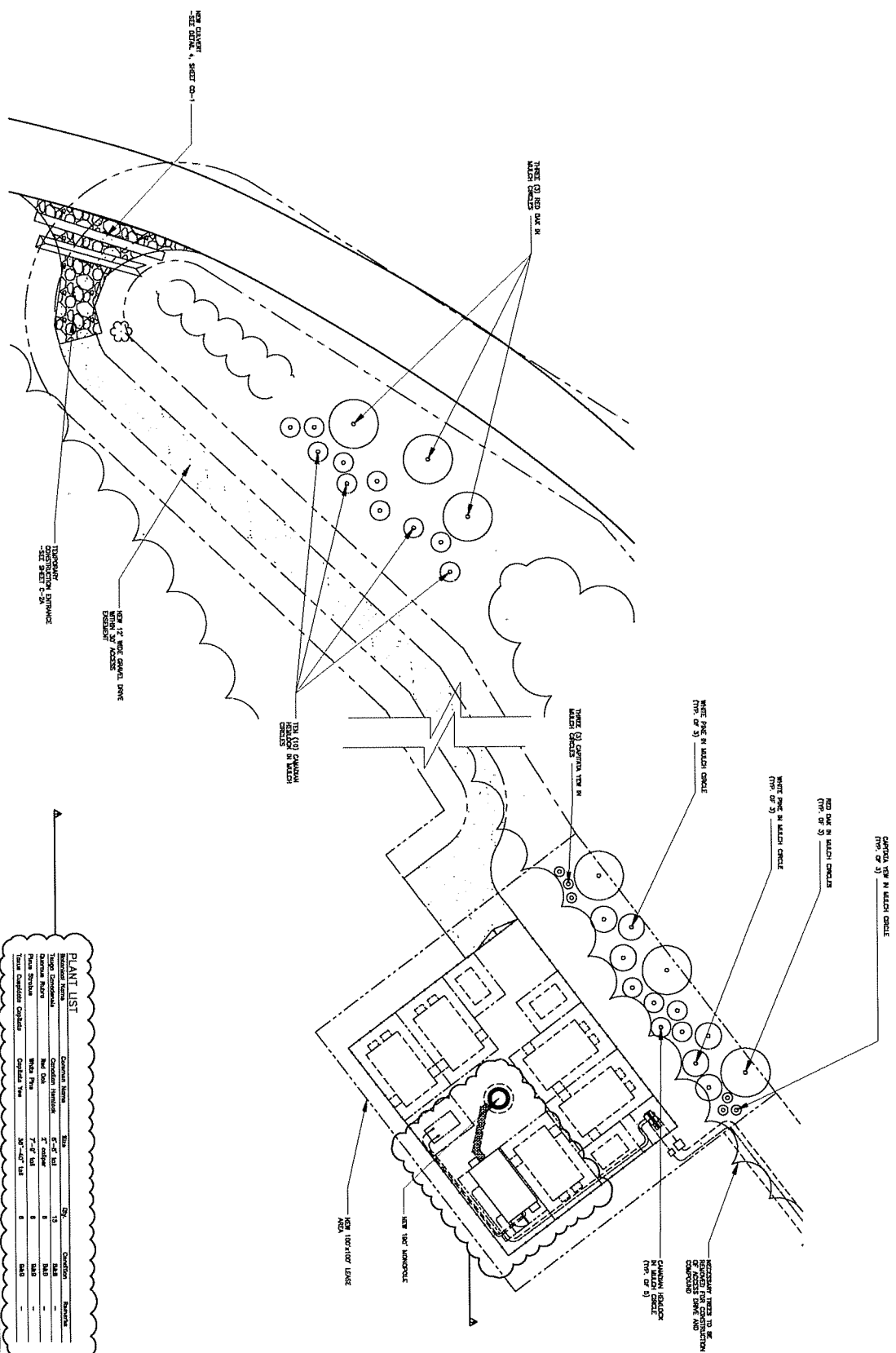
C-2A

SCALE AS NOTED 1

GPD ASSOCIATES
200 CORPORATE DRIVE
CANNONBURG, PA 15717
USA

CROWN
CORPORATE
200 CORPORATE DRIVE
CANNONBURG, PA 15717
USA

OVERALL SITE PLAN



PLANT LIST

Plant Name	Quantity	Size	Condition	Remarks
THORNAPPLE	15	6"-8" tall	15	BAR
DOGWOOD	8	6" diameter	8	BAR
DOGWOOD	8	7"-8" tall	8	BAR
DOGWOOD	8	30"-40" tall	8	BAR
DOGWOOD	8	30"-40" tall	8	BAR

SCALE: 1"=30'-0"

1

LANDSCAPING PLAN

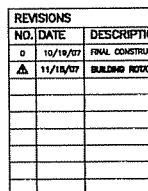
SHEET NUMBER: L-1

REVISIONS

NO.	DATE	DESCRIPTION
0	10/19/07	FINAL CONSTRUCTION DRAWINGS
1	11/11/07	BUILDING REVISED & NO CLARIFICATIONS

DRAWN BY: DTC
 CHECKED BY: TTM
 DRAWING DATE: 10/19/07

GPD GROUP
 SITE NUMBER: 8331-3888
 SITE NAME: DALE HOLLOW
 DALE HOLLOW
 LOC ID#: 8331-3888
 SITE ADDRESS:
 MARY RAY CARMER LORGE ROAD
 BUNDELMAN COUNTY
 OHIO 43084



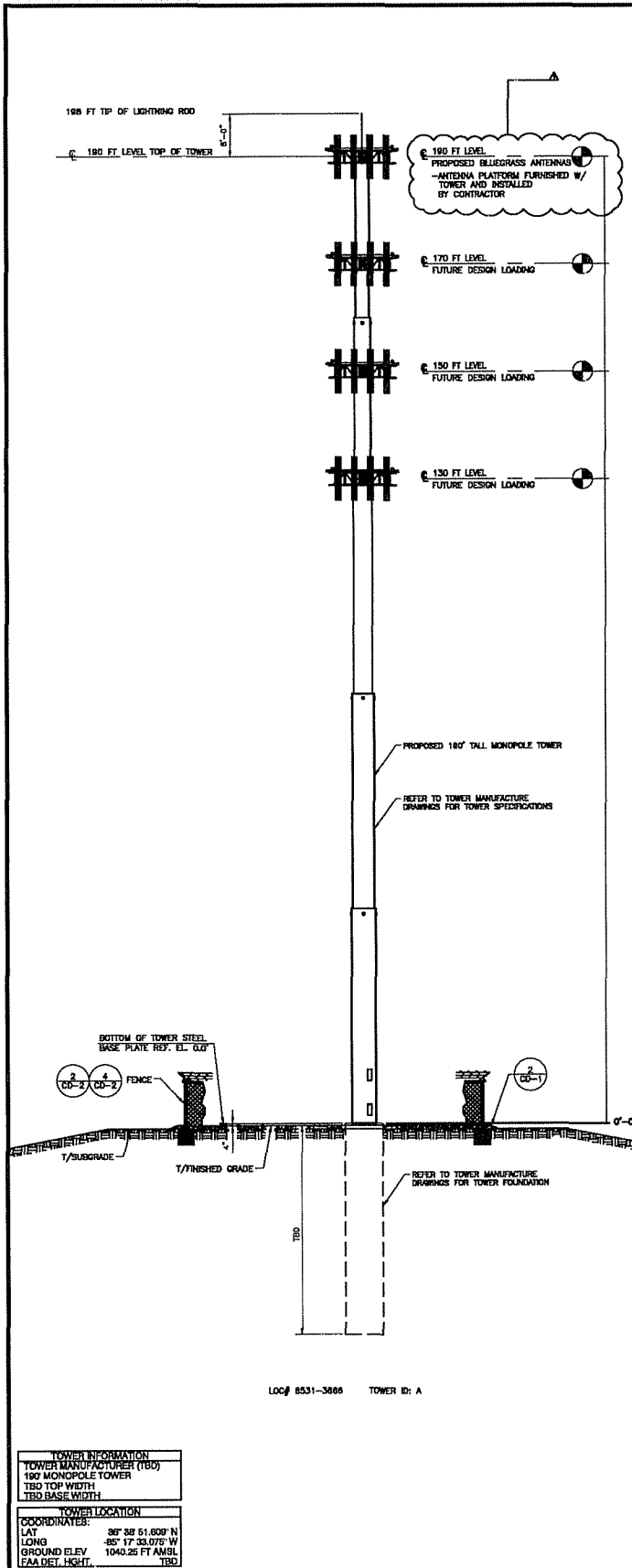
CROWN'S OFFICE INTERNATIONAL

2000 CORPORATE DRIVE
 CANNONBURG, PA 15117
 USA

GPD ASSOCIATES

3435 A. Lane 200
 Indianapolis, Indiana 46250
 317-292-9390, Fax: 317-292-9391

DATE PLOT: 10/20/07 10:48:43 AM



TOWER HEIGHT AND TYPE

190'-0" MONOPOLE TOWER

ANTENNA SPECS

	TYPE	SIZE	NO #	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	KATHREIN SCALA AP13-880-850D	L=78.6 W=10.3 D=4.5	2	0°	190'-0" Ⓢ
ANTENNA (SECONDARY)	ANDREW CTSBG-08513-XDM		4	90°, 260°	190'-0" Ⓢ

ANTENNA MOUNTING HARDWARE

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	TRI SECTOR MOUNT	BY CONTRACTOR	4 LOCATION
MOUNT (SECONDARY)	TRI SECTOR MOUNT	BY CONTRACTOR	4 LOCATION

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	ANDREW AVA7-50	1-5/8"	2
TRANSMISSION LINE (SECONDARY)	ANDREW AVA7-50	1-5/8"	4

DISH SPECS

	MICROWAVE/DOMOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1	N/A				
DISH #2	N/A				

DISH MOUNTING SPECS

	TYPE	SIZE	NUMBER
MOUNT #1	N/A		
MOUNT #2	N/A		

DISH TRANSMISSION LINES

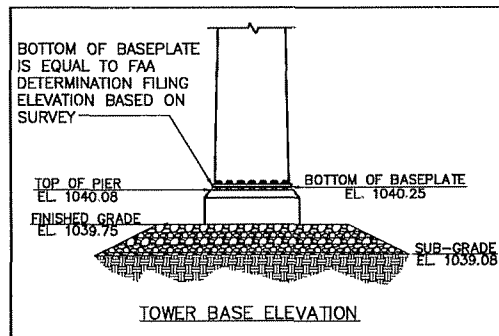
	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1	N/A		
TRANSMISSION LINE #2	N/A		

ANTENNA SYNOPSIS

- *ANTENNAS TO HAVE A 4'E X 2'E Y,Z
- *ANTENNA TRANSMIT FREQUENCY 880.00 - 890.00
- *ANTENNA RECEIVE FREQUENCY 835.00 - 850.00

NOTES:

- ALL LINES AND ANTENNAS TO BE PROPERLY MOUNTED TO TOWER OR STRUCTURE PER BLUEGRASS CELLULAR SPECIFICATIONS
- ALL GROUND BARS TO BE INSTALLED AND CAD WELDED TO GROUND FIELD (WHERE REQUIRED)
- ALL LINES TO BE GROUNDED AT THE TOP AND BASE OF STRUCTURE OR TOWER
- ALL LINES TO BE GROUNDED GROUNDED AT ENTRANCE OF SHELTER BEFORE WAVE GUIDE PORTS. (EXTERIOR OF BUILDING)
- LINES ARE TO BE SECURED TO ICE BRIDGE
- WAVEGUIDE BOOTS ARE TO BE INSTALLED ON ALL LINES (BOTH INSIDE AND OUTSIDE)
- ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED
- INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTORS (LIST WILL BE PROVIDED)
- ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.
- CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12" AND INSTALL POLYPHASERS, PER INSTRUCTION OF PROJECT SUPERVISOR.
- CONTRACTORS TO SUPPLY POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE AND LUGS.
- GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.
- ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR (ADDITIONAL ICE BRIDGE IF NEEDED.)
- TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.
- CONTRACTOR TO INSTALL GPS BRACKET.



TOWER INFORMATION	
TOWER MANUFACTURER (TBD)	190' MONOPOLE TOWER
TBD TOP WIDTH	TBD BASE WIDTH
TOWER LOCATION	
COORDINATES:	
LAT	36° 38' 51.609" N
LONG	-85° 17' 33.075" W
GROUND ELEV	1040.25 FT ANGL
FAA DET. HGT.	TBD

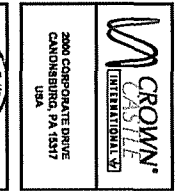
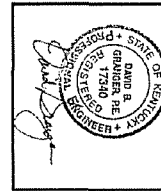
ELEVATION

1

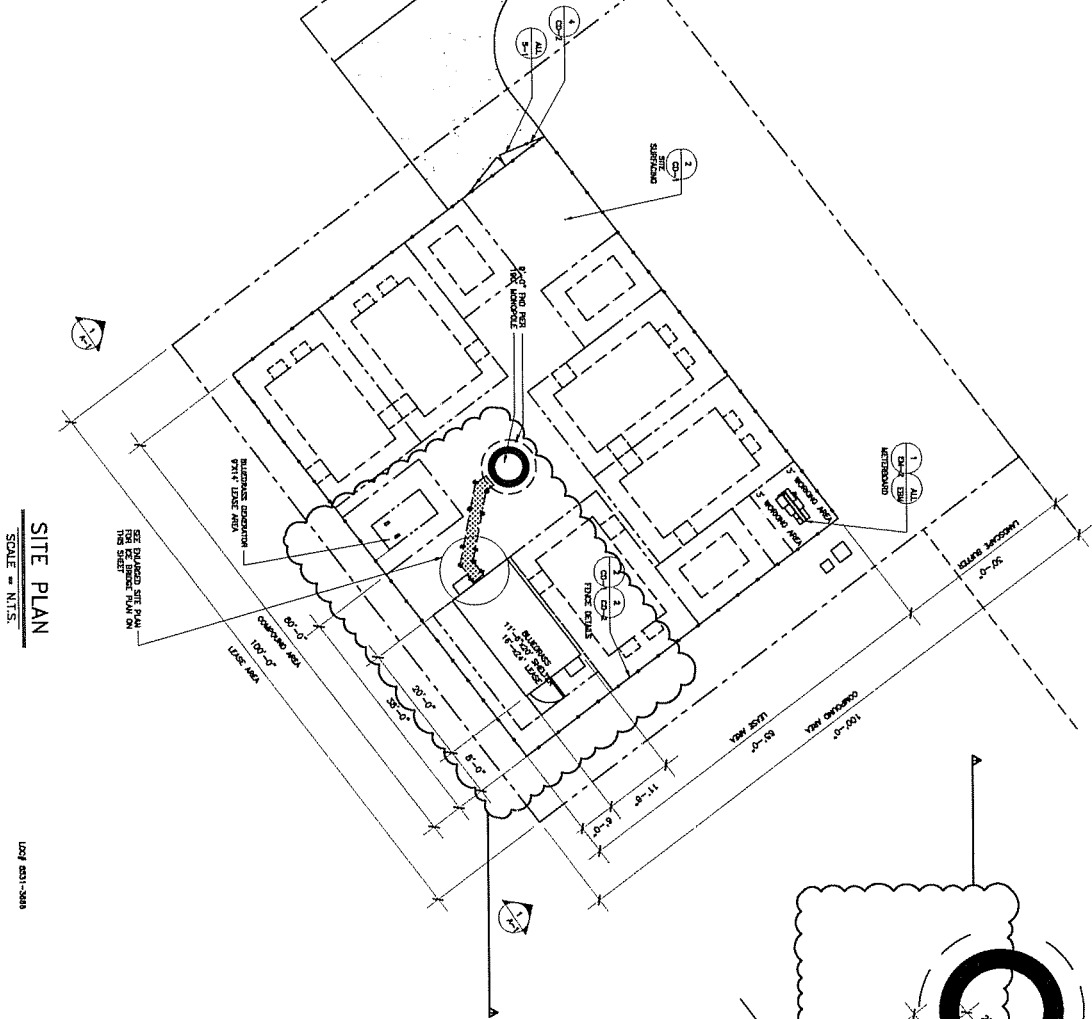
A-1

TOWER INFORMATION	TOWER MANUFACTURER (TBD)	190' MONOPOLE TOWER
TOWER LOCATION	COORDINATES:	
REVISIONS	NO. DATE DESCRIPTION	
DATE HOLLOW	DALE HOLLOW	
SITE NAME	DALE HOLLOW	
SITE NUMBER	ASST-3666	
LOC. NO.	ASST-3666	
SITE ADDRESS	BARRY RAY OWENS LODGE ROAD	
SHEET TITLE	BRIDGEVILLE, PA 17317	
TOWER ELEVATION	CONRAD COUNTY	
SHEET NUMBER		

REVISIONS	NO. DATE DESCRIPTION	BY
0	10/14/07 FINAL CONSTRUCTION DRAWINGS	BYC
1	11/14/07 BUILDING NOTED & BID CLARIFICATIONS	BYC
DRAWN BY: DTC		
CHECKED BY: TTT		
DRAWING DATE: 10/18/07		
GPD SOURCE		
SITE NUMBER: ASST-3666		
SITE NAME: DALE HOLLOW		
SITE ADDRESS		
LOC. NO.		
DATE HOLLOW		
SHEET NUMBER		



DETAILED COMPOUND AND ICE BRIDGE PLAN

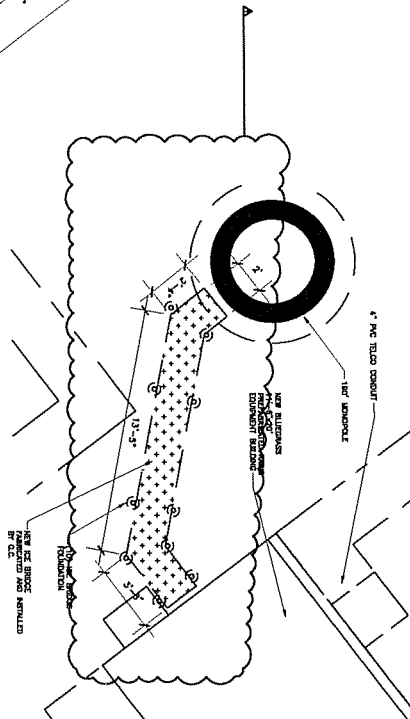


SITE PLAN

SCALE = N.T.S.

LOT 831-388

NOTE: ALL DIMENSIONS SHOWN ON THIS DRAWING SHALL BE TO FACE UNLESS OTHERWISE NOTED.



ICE BRIDGE PLAN

SCALE = N.T.S.

A-3

SHEET TITLE
 DETAILED COMPOUND
 AND ICE BRIDGE PLAN
 SHEET NUMBER

LOC ID#
 E31-388

SITE ADDRESS
 HART RANT CORNERS ROAD
 CUMBERLAND COUNTY

DATE
 DALE HOLLAN

LOC ID#
 E31-388

SITE NAME
 DALE HOLLAN

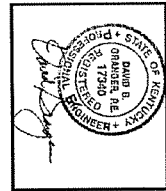
CD GROUP

LOC ID# E31-388

SITE NAME
 DALE HOLLAN

NO.	DATE	DESCRIPTION
0	10/18/07	FINAL CONSTRUCTION DRAWING
1	11/15/07	BUILDING ROTATED & ICE CLARIFIERS

DRAWN BY: DTC
 CHECKED BY: TH
 DRAWING DATE: 10/18/07



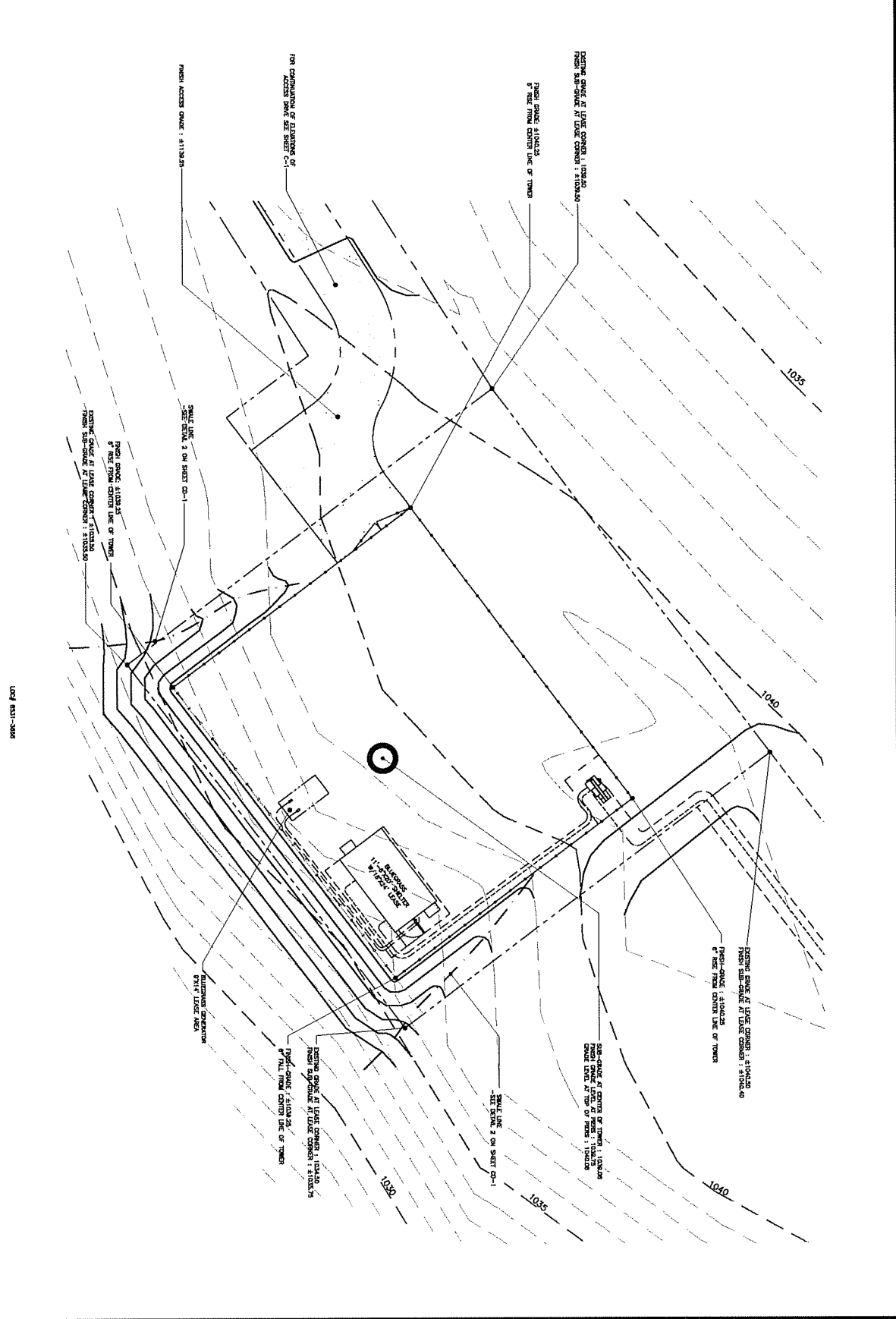
CROWN
 CONSULTING
 INTERNATIONAL

200 CORPORATE DRIVE
 CANNONBURG, PA 15317
 USA

GPD ASSOCIATES

4275 Aiken Road
 Aiken, SC 29801
 803-329-2700, Fax 803-329-1931

SITE/GRADING PLAN



Lot 431-3000

SCALE
1/8" = 1'-0"

1

A-5

SITE / GRADING PLAN

SHEET NUMBER

8531.3886

8531.3886

MARY RAY OAKEN LODGE ROAD
BURKEVILLE, KY 42717
CUMBERLAND COUNTY

REVISIONS

NO.	DATE	DESCRIPTION
0	10/19/07	FINAL CONSTRUCTION DRAWINGS
1	11/16/07	BUILDING REDUCED & BID CLARIFICATIONS

DRAWN BY: DTG
CHECKED BY: TTP
DRAWING DATE: 10/19/07

SITE NAME: DALE HOLLOW

LOC ID# 8531.3886

SITE NAME DALE HOLLOW

DALE HOLLOW

LOC ID# 8531.3886

SITE ADDRESS
MARY RAY OAKEN LODGE ROAD
BURKEVILLE, KY 42717
CUMBERLAND COUNTY

SHEET TITLE
SITE / GRADING PLAN

SHEET NUMBER

STATE OF KENTUCKY
DALE B. GREEN
REGISTERED PROFESSIONAL ENGINEER
NO. 17380
EXPIRES 12/31/08

CROWN
INTERNATIONAL, INC.

2800 CORPORATE DRIVE
CAMDENBURG, PA 19817
USA

DALE HOLLOW ENGINEERING & DESIGN, INC.

CPD ASSOCIATES

Scale 3/16" = 1'-0"
3024 Ashcroft
Indianapolis, Indiana 46250
317-299-2596, Fax 317-293-1331

DIVISION 1: STANDARD PROVISIONS

1. DRAWINGS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE DIMENSIONAL ONLY. THE WORK INDICATED ON THE DRAWINGS SHALL BE ACCORDING TO THE DIMENSIONS, SPECIFICATIONS, AND LABOR NECESSARY TO COMPLETE THE WORK. VERIFY ALL EQUIPMENT LOCATIONS WITH PROJECT MANAGER.
2. PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH THE EXISTING MECHANICAL AND ELECTRICAL INSTALLATIONS AND SHALL ADJUST AS ACCORDINGLY.
3. CONTRACTORS SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS ON THE JOB SITE AND CORRECT THE WORK AS SHOWN BEFORE PROCEEDING.
4. NOTIFY PROJECT MANAGER OF ANY MAJOR DISCREPANCY REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND DESIGN INTENT. THE CORRECTIONS SHOULD BE PROCEEDING WITH THE WORK OR RELATED WORK IN QUESTION.
5. INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE PRECISED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL TELEPHONE/RADIO EQUIPMENT LAYOUT, SPECIFICATIONS, PERFORMANCE, INSTALLATION AND THEIR FINAL LOCATION ARE TO BE APPROVED BY COUSA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE RELATED TO SAID EQUIPMENT.
7. ALL WORK PERFORMED AND MATERIALS SHALL MEET THE HIGHEST TRADE STANDARDS AS A MINIMUM STANDARD CONFORM WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY RELATING TO THE PERFORMANCE OF THE WORK.
8. ELECTRICAL SYSTEMS SHALL BE INSTALLED PER N.E.C. & IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SPECIFICATIONS, LOCAL & STATE JURISDICTIONAL CODES, ORDINANCES & APPLICABLE REGULATIONS.
9. CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE ON THE PROJECT. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. POST PROBES TELEPHONE NUMBERS SHALL BE PROVIDED TO THE PROJECT MANAGER AND A LISTING OF NOT LESS THAN 2-4 OR 2-4108 WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
11. BUILDING CODE (IBC) LATEST EDITION, ALONG WITH UBC, UIC, AND THE NEC, THE LATEST EDITION.
12. CONTRACTOR SHALL PROTECT ALL EXISTING FINISHES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY OCCUR THROUGH THE RATED AREAS WITH UIC. LISTED OR F.M. APPROVED MATERIALS.
13. DETAILS & SPECIFICATIONS ARE MEANT TO SHOW END RESULT NECESSARY TO SURE YOU CONFORMATIONS AS PART OF THE WORK. MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
15. VERIFY ALL FINAL EQUIPMENT LOCATIONS WITH OWNERS REPRESENTATIVE.
16. DIMENSIONS ARE TO FINISH SURFACES UNLESS OTHERWISE SPECIFIED.
17. CLEANUP & SAFETY: KEEP PROJECT AREA CLEAN, HAZARD FREE, & DISPOSE OF ALL DIRT, DEBRIS, RUBBERIS & EQUIPMENT REMOVED & NOT SPECIFIED AS REMAINING ON SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE OWNER, ETC. FROM FRONT SPOTS, DIRT OR SHADERS OF ANY NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL STREDS EQUIPMENT IN A CLEAN WORKING ORDER UNTIL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMAINING THE CONSTRUCTION PLANS TO ILLUSTRATE THE AS-BUILT CONDITION OF THE SITE. THIS WILL BE DONE AFTER THE SITE HAS BEEN AWARDED THE FINAL INSPECTION. ALL UNDERGROUND UTILITIES INCLUDING SPOOLS SHALL BE SHOWN AND MARKED WITH YELLOW FLAG AND YELLOW TAPE. COPIES OF REWIRED DRAWINGS ARE REQUIRED. TWO (2) COPIES OF REWIRED DRAWINGS WILL BE PROVIDED TO PROJECT MANAGER AND THE A&E FIRM (1 EACH).

DIVISION 2: SITE WORK - 02100

- EARTHWORK AND DRAINAGE:**
1. WORK INCLUDED
 - A. REFER TO THE LAND DEVELOPMENT PLAN AND SITE PLAN FOR REFINED WORK.
 - B. RECONSTRUCTION OF UTILITY & GROUNDING SYSTEM
 - C. ERECTION OF FENCE
 2. DESCRIBE ROAD, TERRAIN/ROUND AREAS, AND SITES ARE CONSTRUCTED TO PROVIDE A WELL DRAINED, EASILY MAINTAINED, EVEN SURFACE FOR MATERIAL & EQUIPMENT DELIVERIES & MAINTENANCE PERSONNEL CONTROL.
 3. RECONSTRUCTION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS (USE AS NEEDED)
 4. VEGETATION LANDSCAPING, IF INCLUDED WITHIN THE CONTRACT, WILL BE PLACED & MAINTAINED AS RECOMMENDED BY NURSERY SECTOR STANDARDS (IF REQUIRED).
 5. CONFORM SURVEY STAKES & SET ELEVATIONS PRIOR TO ANY CONSTRUCTION.
 - A. COMPLETE ROAD & SITE AREA WILL BE GRUBBED PRIOR TO CONSTRUCTION.
 - B. CONSTRUCT TEMPORARY CONSTRUCTION ZONE ACCESS DRIVE.
 - C. THE SITE AREA WILL BE BROUGHT TO BASE COURSE ELEVATION PRIOR TO FORMING TEMPORARY TO PLACING BASE MATERIALS.
 - D. AFTER BRINGING SITE & ACCESS ROAD TO BASE COURSE ELEVATION, WATER TO ENSURE GROWTH.
 - E. REMOVE SHOULDER FROM EXISTING CONSTRUCTION WORKER AFTER LAST INSPECTION, APPLY FOUR (4) INCHES OF (1" OR SMALLER SIZED) STONE WITH FINES & DUSTY STONE TO ALL GRAVELLED AREAS (REFER TO GRAVEL PAVEMENT DETAIL).
 - F. AFTER APPLICATIONS OF FINAL SURFACES, APPLY SOIL STABILIZER TO ALL EXPOSED SURFACES.
 6. BEFORE CONSTRUCTION
 - A. BEFORE CONSTRUCTION IS APPLICABLE TO THE CONTRACT, TWO COPIES OF THE LANDSCAPE PLAN UNDER NURSERY LETTERHEAD, WITH FINISHED LANDING OF PROPOSED COSTS UNDER NURSERY LETTERHEAD, REFER TO SITE PLAN FOR LANDSCAPING.
 - B. SUBMIT FOR APPROVAL, 1/2 CUBIC FOOT OF THE PROPOSED AFTER CONSTRUCTION.
 - C. MANUFACTURER'S DESCRIPTION OF PRODUCT ON GRASS AND FERTILIZER.
 - D. LANDSCAPING WARRANTY STATEMENT. (SEE LS-1)
 7. IN ADDITION TO THE WARRANTY ON ALL CONSTRUCTION COVERED BY THIS CONTRACT, THE CONTRACTOR SHALL REPAIR ALL DAMAGE AND REPAIR AREA BACK AS CLOSE TO ORIGINAL CONDITION AS POSSIBLE TO LEASE AREA, PROPERTY OR SURROUNDING CAUSED BY CONSTRUCTION.
 - A. SOIL STABILIZATION APPLICATION FOR PLANTING VEGETATION.
 - B. SOIL STABILIZATION APPLICATION FOR PLANTING VEGETATION.
 - C. DISTURBED AREAS WILL REFLECT GROWTH OF NEW GRASS COVER PRIOR TO FINAL INSPECTION.
 - D. LANDSCAPING, IF INCLUDED WITHIN THE SCOPE OF THE CONTRACT, SHALL BE COMPLETED FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
- PAVEMENT:**
1. WORK INCLUDED
 - A. FILL MATERIAL - ACCEPTABLE SELECT FILL SHALL BE IN ACCORDANCE WITH THE STATE HIGHWAY & PUBLIC INFRASTRUCTURE DIVISION. THE TOWER IS TO BE CONSTRUCTED ON THE SHALE IN WHICH B. SOIL STABILIZER SHALL BE EPA REGISTERED, OF LIQUID SOIL STABILIZER FIBER SHALL BE IDENTIFY TOASTED.
 - C. SOIL STABILIZER SHALL BE IDENTIFY TOASTED.
 - D. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - E. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - F. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - G. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - H. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - I. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - J. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - K. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - L. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - M. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - N. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - O. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - P. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - Q. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - R. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - S. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - T. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - U. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - V. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - W. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - X. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - Y. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 - Z. EQUIPMENT SHALL BE IDENTIFY TOASTED.
 2. FINISH GRADE SHALL BE COMPACTED BY SMOOTH DRUM VIBRATOR ROLLERS WASHING AT LEAST EIGHT TONS.

DIVISION 3: CONCRETE WORKS - 03310

1. INSPECTIONS
 - A. LOCAL BUILDING INSPECTORS SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE POINT OF INSPECTION UNLESS OTHERWISE SPECIFIED BY OWNER OR LOCAL JURISDICTION.
 - B. PREPARATION
 - A. CLEAR TREES (GROUND TO SKY) BRUS & DEBRIS FROM SITE AREAS & ACCESS ROAD HIGH-OF-WAY AS DIRECTED BY PROJECT MANAGER.
 - B. PILING EXCAVATION AND CONSTRUCTION EROSION CONTROL ORGANIC MATERIAL TO A MINIMUM OF SIX (6) INCHES BELOW ORIGINAL GROUND LEVEL.
 - C. UNLESS OTHERWISE INSTRUCTED BY COUSA, TRANSPORT ALL REMOVED TREE, BRUSH & DEBRIS FROM THE PROPERTY TO AN AUTHORIZED TREE TO PLACEMENT OF FILL OR BASE MATERIALS, ROLL AND COMPACT THE SOIL.
 - D. WHERE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, REMOVE AND RECONSTRUCT WITH SUITABLE SOIL.
 - C. THE SITE AND TERRAIN/ROUND AREAS SHALL BE AT THE SUB-BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS, GRADE OR FILL THE SITE AND ACCESS ROAD AS REQUIRED IN ORDER THAT UPON EVER DISTRIBUTION OF SOILS RESULTING FROM FOUNDATION SUB-BASES COURSE, ELEVATIONS ARE TO BE CALCULATED FROM FINISHED GRADES OR SLOPES INDICATED.
 - D. IF ANY EXCESS SPOILS WILL BE CLEARED FROM JOB SITE AND NOT SPREAD BEYOND THE LIMITS OF LEASE PROPERTY UNLESS AUTHORIZED BY COUSA, ALL BE BROUGHT TO BASE COURSE ELEVATION PRIOR TO FOUNDATION CONSTRUCTION TO PERMIT USE, COMPACTION AND OBSERVATION DURING CONSTRUCTION OF THE SITE.
 - E. WHEN IMPROVING EXISTING ACCESS ROAD, EXISTING BEFORE PLACING FILL OR STONE, ROLL AND COMPACT THE SURFACE PLACE FILL OR STONE IN SIX INCH MAXIMUM LIFTS AND COMPACT BEFORE PLACING NEXT LIFT.
 - F. THE FINISH GRADE INCLUDING TOP SURFACE COURSE SHALL EXTEND TO THE PROPERTY LINE AND BE IDENTIFIED BY THE CONTRACTOR.
 - G. COVER AREA AS INDICATED.
 - H. REPAIR SHALL BE APPLIED TO THE SITE SPACES OF ALL FENCED SITE AREAS, PARKING AREAS, AND TO ALL OTHER SLOPES GREATER THAN 2:1.
 - I. SPOILS SHALL BE APPLIED TO THE SLOES OF DITCHES OR DRAINAGE REPAIRS ENTIRE DITCH FOR SIX FEET IN ALL DIRECTIONS AT CULVERT OPENINGS.
 - J. SEEDS, FERTILIZE & STRAW COVER SHALL BE APPLIED TO ALL OTHER SLOES, DITCHES, DRAINAGE SWALES NOT OTHERWISE SPECIFIED.
 - K. UNDER NO CIRCUMSTANCES WILL DITCHES, SWALES, NOR CULVERTS BE PLACED SO THEY DIRECT WATER TOWARDS, OR PERMIT STANDING WATER IMMEDIATELY ADJACENT TO THE SITE. IF DESIGNS OR ELEVATIONS WATER IMMEDIATELY ADJACENT TO THE SITE, THE CONTRACTOR SHALL BE ADVISED IMMEDIATELY.
 - L. IN DITCH LINE WITH SLOPES GREATER THAN TEN PERCENT, MOUND DIMENSIONAL HEADWALLS IN THE DITCH AT CULVERT ENTRANCES. THE HEADWALL SHALL BE POSITIONED AT AN ANGLE IN THE CENTER OF THE HEADWALL AS WELL AS THE DITCH FOR SIX FEET ABOVE THE CULVERT ENTRANCE.
- DIVISION 3: CONCRETE WORKS - 03310**
1. INSPECTIONS
 - A. LOCAL BUILDING INSPECTORS SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE POINT OF INSPECTION UNLESS OTHERWISE SPECIFIED BY OWNER OR LOCAL JURISDICTION.
 - B. PREPARATION
 - A. CLEAR TREES (GROUND TO SKY) BRUS & DEBRIS FROM SITE AREAS & ACCESS ROAD HIGH-OF-WAY AS DIRECTED BY PROJECT MANAGER.
 - B. PILING EXCAVATION AND CONSTRUCTION EROSION CONTROL ORGANIC MATERIAL TO A MINIMUM OF SIX (6) INCHES BELOW ORIGINAL GROUND LEVEL.
 - C. UNLESS OTHERWISE INSTRUCTED BY COUSA, TRANSPORT ALL REMOVED TREE, BRUSH & DEBRIS FROM THE PROPERTY TO AN AUTHORIZED TREE TO PLACEMENT OF FILL OR BASE MATERIALS, ROLL AND COMPACT THE SOIL.
 - D. WHERE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, REMOVE AND RECONSTRUCT WITH SUITABLE SOIL.
 - C. THE SITE AND TERRAIN/ROUND AREAS SHALL BE AT THE SUB-BASE COURSE ELEVATION PRIOR TO FORMING FOUNDATIONS, GRADE OR FILL THE SITE AND ACCESS ROAD AS REQUIRED IN ORDER THAT UPON EVER DISTRIBUTION OF SOILS RESULTING FROM FOUNDATION SUB-BASES COURSE, ELEVATIONS ARE TO BE CALCULATED FROM FINISHED GRADES OR SLOPES INDICATED.
 - D. IF ANY EXCESS SPOILS WILL BE CLEARED FROM JOB SITE AND NOT SPREAD BEYOND THE LIMITS OF LEASE PROPERTY UNLESS AUTHORIZED BY COUSA, ALL BE BROUGHT TO BASE COURSE ELEVATION PRIOR TO FOUNDATION CONSTRUCTION TO PERMIT USE, COMPACTION AND OBSERVATION DURING CONSTRUCTION OF THE SITE.
 - E. WHEN IMPROVING EXISTING ACCESS ROAD, EXISTING BEFORE PLACING FILL OR STONE, ROLL AND COMPACT THE SURFACE PLACE FILL OR STONE IN SIX INCH MAXIMUM LIFTS AND COMPACT BEFORE PLACING NEXT LIFT.
 - F. THE FINISH GRADE INCLUDING TOP SURFACE COURSE SHALL EXTEND TO THE PROPERTY LINE AND BE IDENTIFIED BY THE CONTRACTOR.
 - G. COVER AREA AS INDICATED.
 - H. REPAIR SHALL BE APPLIED TO THE SITE SPACES OF ALL FENCED SITE AREAS, PARKING AREAS, AND TO ALL OTHER SLOPES GREATER THAN 2:1.
 - I. SPOILS SHALL BE APPLIED TO THE SLOES OF DITCHES OR DRAINAGE REPAIRS ENTIRE DITCH FOR SIX FEET IN ALL DIRECTIONS AT CULVERT OPENINGS.
 - J. SEEDS, FERTILIZE & STRAW COVER SHALL BE APPLIED TO ALL OTHER SLOES, DITCHES, DRAINAGE SWALES NOT OTHERWISE SPECIFIED.
 - K. UNDER NO CIRCUMSTANCES WILL DITCHES, SWALES, NOR CULVERTS BE PLACED SO THEY DIRECT WATER TOWARDS, OR PERMIT STANDING WATER IMMEDIATELY ADJACENT TO THE SITE. IF DESIGNS OR ELEVATIONS WATER IMMEDIATELY ADJACENT TO THE SITE, THE CONTRACTOR SHALL BE ADVISED IMMEDIATELY.
 - L. IN DITCH LINE WITH SLOPES GREATER THAN TEN PERCENT, MOUND DIMENSIONAL HEADWALLS IN THE DITCH AT CULVERT ENTRANCES. THE HEADWALL SHALL BE POSITIONED AT AN ANGLE IN THE CENTER OF THE HEADWALL AS WELL AS THE DITCH FOR SIX FEET ABOVE THE CULVERT ENTRANCE.

DIVISION 4: STRUCTURAL STEEL - 05120

1. CONCRETE ASSIGNMENTS
 - A. CONCRETE SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES, SPECIFICATIONS AND STANDARDS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN OR SPECIFIED.
 - B. AISC "CODE FOR STANDARD PRACTICE".
 - C. BUILDINGS - ALLOWABLE STRESS DESIGN & PLASTIC DESIGN.
 - D. AMERICAN WELDING SOCIETY (AWS) D1.1-92, "STRUCTURAL WELDING CODE-STEEL".
 2. STRUCTURAL STEEL, PLATES & BARS: ASTM A 36.
 - A. HIGH STRENGTH THERMEATED TESTERS: ASTM A 36.
 - B. ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153.
 - C. ELEMENT GROUP: IF REQUIRED BY TOWER MANUFACTURER.
 - D. EMENT GROUP: SPECIFIED.
 - E. STRENGTH GROUP: PROVIDE ONE OF THE FOLLOWING OR AN APPROVED EQUAL.
 1. E60X 55, BY FLOWID CHEMICAL CO.
 2. MASTERSWELZETA, BY WATERS BUILDING MATERIALS.
 3. RECALWAZED WITH COLD-CALV AND ZINC PAINT.
- DIVISION 16: ELECTRICAL SCOPE OF WORK**
1. THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL WIRING AND EQUIPMENT UNLESS OTHERWISE INDICATED. MAIN COMPONENTS ARE AS FOLLOWS:
 - A. YES-BUILT DRAWINGS AT THE COMPLETION OF ALL THE JOB SHIPPING TO THE PROJECT COORDINATOR. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHIP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE PROJECT COORDINATOR AT JOB COMPLETION.
 - B. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE WORK.
 - C. CONDUCT CONTINUITY, SHORT CIRCUIT AND GROUNDING FALL POTENTIAL TEST WILL BE MADE FOR APPROVAL AND SUBMIT TEST REPORTS TO THE PROJECT COORDINATOR.
 - D. CONTRACTOR SHALL CLEAN PREMISES OF ALL DEBRIS RESULTING FROM THE WORK. ALL DEBRIS SHALL BE CHAINED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF SITE ACCEPTANCE BY THE PROJECT COORDINATOR. ANY WORK MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT THE ONCE, UPON WRITTEN NOTIFICATION & AT THE EXPENSE OF THE CONTRACTOR.
 - E. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE ELECTRICAL EQUIPMENT PROVIDED BY ELECTRICAL SUPPLIERS.
 - F. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION OPERATIONS, TRAVEL, ENERGIzed THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
 - G. CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TOWER AND PERMANENT POWER TO THE SITE. CONTRACTOR SHALL PROVIDE ALL HOURLY COSTS TO BE PAID BY THE CONTRACTOR.
 - H. CONTRACTOR SHALL OBTAIN ALL NECESSARY BUILDING AND/OR ELECTRICAL PERMITS NECESSARY TO THE WORK.
 - I. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF NATIONAL, STATE AND LOCAL CODES. ALL COMPONENTS SHALL BE "UL" APPROVED.
 - J. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT UTILITIES AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT UTILITIES AND EQUIPMENT.
 - K. CONTRACTOR SHALL PROVIDE ALL VERIFICATION OBSERVATION TESTS AND EXAMINE ALL WORK PRIOR TO THE PROJECT COORDINATOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT COORDINATOR LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT & DISCREPANCIES.
 - L. ALL MATERIALS & EQUIPMENT SET OF THE BEST GRADE & OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT (SEE NOTE 14 FOR EXCEPTIONS). MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVE JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN CONFORMANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND "UL" LISTED.
 - M. WHERE EQUIPMENT IS SPECIFIED BY MANUFACTURER AND TYPE, SUBSTITUTION SHALL ONLY BE MADE WITH THE APPROVAL OF THE COUSA. THE CONTRACTOR SHALL SUBMIT DETAILS OF PROPOSED MATERIALS, REASON FOR CHANGE AND CHANGE IN CONTRACT AMOUNT.

CPD ASSOCIATES
 200 CORPORATE BLVD
 CAMANBURGA PA 15017
 USA

CROWN SYSTEMS
 200 CORPORATE BLVD
 CAMANBURGA PA 15017
 USA

STATE OF PENNSYLVANIA
 BOARD OF PROFESSIONAL ENGINEERS
 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION
1	10/16/21	FINAL CONSTRUCTION DRAWINGS
2	11/11/21	BUILDING NEEDED & BID CLARIFICATION

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/16/21

EPD GROUP
 LOC ID# 851-3848
 SITE NAME: DALE HOLLOW
 DATE: 10/16/21

LOC ID# 851-3848
 SITE ADDRESS: MARY BAY OAKEN LINGER ROAD
 BRIDGEVILLE, PA 17015
 CAMBERLAND COUNTY

SHEET TITLE: GENERAL NOTES & SPECIFICATIONS
 SHEET NUMBER: GNS-1

ITEM	DESCRIPTION
1	4" X 10'-0" GALVANIZED PIPE OR ICE BRIDGE POSTS WITH FENCE POSTS CAPS
2	1-5/8" GALVANIZED UNSTRUT (UNSTRUT PRODUCTS-HB) OR APPROVED EQUAL
3	3/8" X 4" X 7-1/2" LONG GALVANIZED U-BOLTS
4	200 AMP METER SOCKET (SPECIFIED BY LOCAL POWER UTILITY COMPANY)
5	NOT USED
6	6' GANG METER PAK SQ. D' CAT # M88820
7	SURGE PROTECTOR HUBBLE CAT # HBLW65 OR APPROVED EQUAL
8	120 VAC, 100 AMP, 6-CIRCUIT BREAKER NEMA 3R PANEL, SQ. D' CAT # 008121008R OR APPROVED EQUAL (NOT USED)
9	LETOUR 20 A 120 VAC GR RECEPTACLE/SINGLE GANG WEATHER PROOF BOX AND COVER OR APPROVED EQUAL
10	POWER TO TOWER LIGHTING WHEN REQUIRED (MIN. 1" CONDUIT) (1)-BLACK 12 AWG CU THHN, (1)-RED 12 AWG, (1)-WHITE 12 AWG, (1)-GREEN 12 AWG
11	1/2" GALVANIZED SPRING NUTS UNSTRUT CAT # P1010-HG WITH 1/2"x1-1/2" GALVANIZED HEX BOLT, 1/2"x3/4" GALVANIZED FLAT FENDER WASHER, 1/2" GALVANIZED LOCK WASHER
12	TWO-HOLE COMPRESSION CRAMP LUG BURNODY CAT # YK02TC03EBZ WITH (2)1/2"x1" SS HEX BOLTS (2)1/4" SS NUTS (2)1/4" SS STAB WASHERS (4) 1/4"x1/2" SS FLAT WASHERS (DET. A)
13	1-1/2" CONDUIT NIPPLE (WEATHER SEALED)
14	POWER FROM UTILITY (MIN. 1-1/2" CONDUIT) (1) BLACK 2 AWG CU THHN CONDUCTOR, (1) RED 2 AWG CU THHN CONDUCTOR, (1) WHITE 2 AWG CU THHN CONDUCTOR
15	SO. D NEMA 3R, 12 CIR. PANEL WITH SURGE PROTECTOR (OR APPROVED EQUAL)
16	120/240 VAC 2-POLE NEMA 3R 200 AMP FUSIBLE DISCONNECT SWITCH SQ. D' OR EQUAL
17	INTERNAL GROUND LEAD #2 AWG MIN.

NOTES:

- 1 ALL ABOVE GRADE CONDUIT SHALL BE RIGID STEEL AND CONFORM TO THE NEC REQUIREMENTS OF PARAGRAPH 314
- 2 ALL PVC CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC CONDUIT
- 3 ALL METAL ELECTRICAL EQUIPMENT SHALL BE EXTERNALLY GROUNDED TO THE TOWER EGR. (PAINTED METAL SURFACES MUST HAVE SMALL SECTION OF PAINT REMOVED BEFORE INSTALLATION, AND SHALL BE SPRAYED LIGHTLY WITH CLEAR COAT LACQUER FINISH.
- 4 ALL GALVANIZED POSTS SHALL BE CONNECTED TO THE EXTERNAL GROUND RING (EGR) USING EXOTHERMIC WELDS
- 5 ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE BOOK (NEC) (LATEST EDITION) AND ALL LOCAL CODES.
- 6 EGR DENOTES THE TOWER EXTERNAL GROUND RING
- 7 ALL BELOW GRADE AND STEEL POST GROUNDING CONDUCTIONS SHALL BE #2 AWG CU BARE/TINNED/SOLID WIRE.
- 8 ALL ABOVE GRADE GROUNDING CONDUCTIONS TO BARS BARS SHALL BE #2 AWG STRANDED/GREEN/JACKETED CU WIRE, TO FENCE POST, ICE BRIDGE POSTS, AND TILT/TACK POSTS MAY BE #2 AWG BARE TINNED CU SOLID. EXOTHERMICALLY (COWFIELD) WELDED TO Z/0 MAIN GROUND RING JUST BELOW FINISHED GRADE.
- 9 ALL EXOTHERMIC WELDING MUST COMPLY WITH MANUFACTURER'S SPECIFICATIONS.
- 10 TWO (2) 5/8"x10" (CU OR CU CLAD) GROUND RODS (6' APART AS PER NEC AND/OR LOCAL CODES) SHALL BE INSTALLED IN LINE WITH THE TOWER EGR.
- 11 FUTURE TELCO CONDUIT (4" PVC) (REAR OF STRUCTURE) (IF REQUIRED)
- 12 FUTURE TELCO EQUIPMENT (ON REAR SIDE OF FRAME) (IF REQUIRED)
- 13 METER SOCKET AND BREAKER FOR CROWNS USAGE.
- 14 4" CONDUIT NIPPLE BETWEEN POWER AND TELCO WIRES.
- 15 ALL PVC STUB-UP CONDUITS SHALL BE PLUMB ABOVE FINISHED GRADE.
- 16 ALL GROUND CONNECTIONS SHALL HAVE LIGHT COATING OF COPPER-SHIED BETWEEN DIS-SIMILAR MATERIALS.
- 17 NEED TO ADD PROPER LABELING (WARNING, TELCO, ELEC. CUSTOMER NAME ETC.) TO ALL METERBOARD COMPONENTS SUCH AS TELCO/POWER BOX, WIRES, ETC.
- 18 ALL CONDUIT TO BE ATTACHED TO METER RACK UNSTRUT USING UNSTRUT CLAMPS.
- 19 CONTRACTOR SHALL REMOVE MANUAL TRANSFER SWITCH FURNISHED WITH EQUIPMENT BUILDING AND INSTALL NEW AUTOMATIC TRANSFER SWITCH FURNISHED BY CLEARWIRE.

MATERIALS, ELECTRICAL WIRING AND RACEWAYS:

- A. ALL CIRCUIT BREAKERS, FUSES, CONDUCTORS AND ELECTRICAL EQUIPMENT SHALL BE LISTED BY AN APPROVED LISTING AGENCY AND SHALL BE SUBJECT TO A MINIMUM OF 10,000 AC RATING UNLESS SPECIFIED OTHERWISE, OR AS PER LOCAL CODES.
- B. PLASTIC PLATES FOR ALL SWITCHES, RECEPTACLES, TELEPHONE AND BATTERY TERMINALS SHALL HAVE BURNED/SCORCHED AREAS INDICATED ON THE DRAWINGS. WEATHER-PROOF RECEPTACLES SHALL HAVE "WPO" 8-INCH LIT COVER PLATES.
- C. METER SOCKET AMPERAGE, VOLTAGE AND NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS AND MANUFACTURED BY SQUARE "D" COMPANY OR APPROVED EQUAL.
- D. INSTALLATION OF RIGID METAL CONDUIT (RMC) SHALL COMPLY WITH APPLICABLE PROVISIONS OF NATIONAL ELECTRICAL CODE (N.E.C.) ARTICLES 300 & 348 AND SHALL BE "UL" APPROVED.
- E. INSTALLATION OF ELECTRICAL METAL TUBING (EMT) SHALL COMPLY WITH APPLICABLE PROVISIONS OF N.E.C. ARTICLES 300 & 348 AND SHALL BE "UL" APPROVED.
- F. INSTALLATION OF INTERMEDIATE METAL CONDUIT (IMC) SHALL COMPLY WITH APPLICABLE PROVISIONS OF N.E.C. ARTICLES 300 & 348 AND SHALL BE "UL" APPROVED.
- G. PVC CONDUIT SHALL BE SCHEDULE 40 HIGH IMPACT POLYVINYL CHLORIDE (PVC) CONDUIT. FITTINGS, COUPLINGS SHALL HAVE A CENTER STOP TO TYPE ENSURE PROPER SEALING. CONDUIT SHALL BE MANUFACTURED BY CARLON OR APPROVED EQUAL. CONDUIT SHALL COMPLY WITH N.E.C. ARTICLE 300 & 347 AND SHALL BE "UL" APPROVED.
- H. ALL WIRING MUST BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, NEC, AND LOCAL CODES.
- I. ALL WIRING SHALL BE COPPER TYPE AND IN ACCORDANCE WITH THE N.E.C. OR AS INDICATED ON DRAWINGS.
- J. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, RATED NEMA 3R AND POWDER COATED. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH THE N.E.C. AND ALL LOCAL CODES. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, RATED NEMA 3R, AND POWDER COAT OR ELECRO-PAINT.
- K. JUNCTION BOXES OR PULL BOXES SHALL MEET NATIONAL ELECTRICAL CODE STANDARDS AND AS APPROVED FOR INSTALLATION OF RECELVANS AND WIRING.
- L. THE RACEWAY AND WIRING INSTALLATION SHALL BE GROUNDED PERMANENTLY AND EFFECTIVELY IN ACCORDANCE WITH N.E.C. ARTICLE 250.
- M. THE CONTRACTOR SHALL BE AWARE THAT ALL STATE AND LOCAL CODES SHALL APPLY TO THIS INSTALLATION AND MUST BE ADHERED TO.
- N. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE COATED EQUIPMENT WITH A CLEAR COAT LACQUER SPRAY, EXCEPT STAINLESS STEEL EQUIPMENT.
- O. REAS OF APPLICATION FOR PULL BOX (F02424324FF74X) WOULD IN LOCATION SUCH AS DRIVE WAYS, PARKING LOTS, AND INSIDE OF OR OUTSIDE OF COMPOUND.
- P. POWER COMPANY: PENNSTATE RECC (717) 782-2479
- Q. TELEPHONE COMPANY: SOUTHERN BELL (800) 752-8007

NO.	DATE	DESCRIPTION
1	10/15/11	FINAL CONSTRUCTION DRAWING
2	11/15/11	BUILDING NOTED AND REVISIONS
3	11/15/11	COMPLETION

DATE: 11/15/11
 DRAWN BY: DTE
 CHECKED BY: TTP
 DRAWING DATE: 10/15/11

2000 CORPORATE DRIVE
 CAMDEN, NJ 08105
 USA

CROWN
 CASTLE
 INTERNATIONAL, LLC

GD&P HOLDINGS & SERVICES, INC.
 ASSOCIATES
 1627A Altona Pkwy, Suite 100
 Bensalem, PA 19006
 215-269-5906, fax 215-269-5321

8811-15858
 SITE ADDRESS
 MARY RAY GARDEN LODGE ROAD
 BIRKENSHIRE, KY 40117
 CUMBERLAND COUNTY

LOC ID# 6501-5868
 SITE NAME: DALE HOLLOW

SHEET NAME
 DALE HOLLOW

LOC ID#
 8811-15858

SHEET TITLE
BILL OF MATERIALS

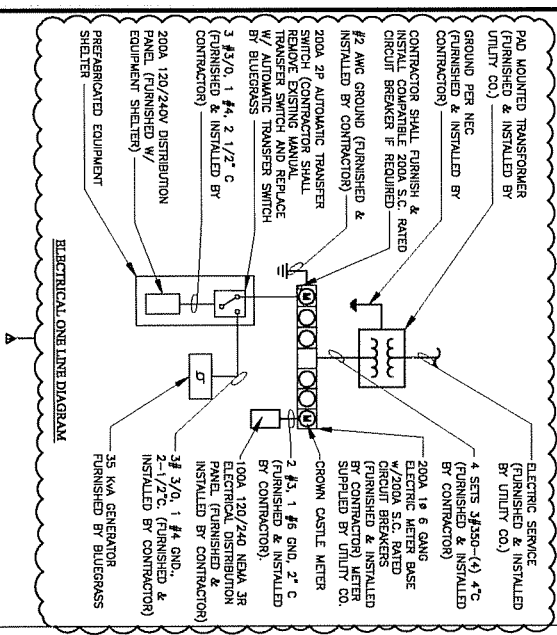
SHEET NUMBER

EBM

ELECTRICAL NOTES

- I. THESE DRAWINGS ARE DIAGNOSTIC ONLY AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE.
- II. THE NEUTRAL IS TO BE GROUNDED AT THE METER MAIN ONLY.
- III. THE TEMPERATURE RATING ASSOCIATED WITH THE AMPACITY OF A CONDUCTOR SHALL BE THE SAME AS THE TEMPERATURE RATING OF THE CONDUCTOR. REFER TO TABLE "A" AND THE N.E.C. ARTICLE 310.
- IV. ALL ENCLOSURES CONTAINING THE SERVICE CONDUITORS, SERVICE EQUIPMENT, METER, METER BOXES, FITTINGS, AND COMPONENTS MUST BE EFFECTIVELY BONDED TOGETHER.
- V. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY LABELED WITH ENGRAVED PLASTIC LABELS EACH FROM THE MANUFACTURER'S CONDUCTOR IDENTIFICATION SYSTEM OR ANY CONNECTED TERMINATION, CONDUCTOR, OR DEVICE REFER TO TABLE "A" AND THE N.E.C. ARTICLE 310.

TERMINATION RATING	CONDUCTOR INSULATION RATING
60 DEGREES C	75 DEGREES C
60 DEGREES C	OK AT 60 DEGREES C AMPACITY
75 DEGREES C	OK AT 75 DEGREES C AMPACITY
90 DEGREES C	OK AT 90 DEGREES C AMPACITY
90 DEGREES C	OK AT 90 DEGREES C AMPACITY



MATERIALS, ELECTRICAL WIRING AND RACEWAYS

- A. ALL CIRCUIT BREAKERS, FUSES, CONDUCTORS AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING SHORT CIRCUIT TO WHICH THEY MAY BE SUBJECTED AND A MINIMUM OF 10,000 AC RATING UNLESS SPECIFIED OTHERWISE, OR AS PER LOCAL CODES.
- B. PLASTIC PLATES FOR ALL SWITCHES, RECEPTACLES, TELEPHONE AND BLANKED OUTLETS SHALL HAVE ENGRAVED LETTERING WHERE INDICATED ON THE DRAWINGS. WEATHERPROOF RECEPTACLES SHALL HAVE WPO 8-INCH LIFT COVER PLATES.
- C. METER SOCKET APPROVE, VOLTAGE AND NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS AND MANUFACTURED BY SQUARE "D" COMPANY OR EQUIVALENT.
- D. INSTALLATION OF RIGID METAL CONDUIT (RMC) SHALL COMPLY WITH APPLICABLE PROVISIONS OF NATIONAL ELECTRICAL CODE (N.E.C.) ARTICLES 300 & 346 AND SHALL BE "UL" APPROVED.
- E. INSTALLATION OF ELECTRICAL METALLIC TUBING (EMT) SHALL COMPLY WITH APPLICABLE PROVISIONS OF N.E.C. ARTICLES 300 & 346 AND SHALL BE "UL" APPROVED.
- F. INSTALLATION OF INTERMEDIATE METAL CONDUIT (IMC) SHALL COMPLY WITH APPLICABLE PROVISIONS OF N.E.C. ARTICLES 300 & 346 AND SHALL BE "UL" APPROVED.
- G. RIGID CONDUIT SHALL BE SCHEDULE 40 UNLESS OTHERWISE SPECIFIED. CONDUIT SHALL BE USED WITH UNTERFACED SOLENT GEMENT PVC CONDUIT FITTINGS. COUPLINGS SHALL HAVE A CENTER STOP TO THE ENSURE PROPER SEATING. CONDUIT SHALL BE MANUFACTURED BY CARLON OR ACCEPTABLE EQUAL SHALL BE IN COMPLIANCE WITH N.E.C. ARTICLE 300 & 347 AND SHALL BE "UL" APPROVED.
- H. ALL WIRING MUST BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, N.E.C. AND LOCAL CODES.
- I. ALL WIRING SHALL BE COPPER TYPE AND IN ACCORDANCE WITH THE N.E.C. OR AS INDICATED ON DRAWINGS.
- J. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, RATED NEMA 3R AND POWDER COAT FINISHED WITH THE SAME AS THE RATED EQUIPMENT. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, RATED NEMA 3R, AND POWDER COAT OR ELECTRO-PAINTED.
- K. JUNCTION BOXES OR PULL BOXES SHALL MEET NATIONAL ELECTRICAL CODE STANDARDS AND AS APPROVED FOR INSTALLATION BY INSPECTORS AND WIRING.
- L. THE RECEIVING AND WIRING INSTALLATION SHALL BE GROUNDED PERMANENTLY AND EFFECTIVELY IN ACCORDANCE WITH N.E.C. ARTICLE 250.
- M. THE CONTRACTOR SHALL BE AWARE THAT ALL STATE AND LOCAL CODES SHALL APPLY TO THIS INSTALLATION AND MUST BE ADHERED TO.
- N. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE COVERED LIGHTLY WITH A CLEAR COAT (LACER SPRAY) EXCEPT STAINLESS STEEL EQUIPMENT.
- O. AREAS OF APPLICATION FOR PULL BOXES (ELECTRICAL) WOULD IN LOCATION SUCH AS DRIVEWAYS, PARKING LOTS, AND INSIDE OF OR OUTSIDE OF COMPOUND.

UTILITY NOTES

- 1) ELECTRICAL PROVIDER:
GIVEN ELECTRIC
CONTRACT: VIRGIL WHEELLEY
PHONE: 859-472-2600
 - 2) TESCO PROVIDER:
WHENEVER AVAILABLE - PROVIDES B-1
JAMESTOWN, KY 42229
CONTRACT: GREG STARR
PHONE: 270-433-5111
OR
CONTACT: MACE BRADSHAW
PHONE: 270-543-1150
 - 3) TESCO PROVIDER:
WHENEVER AVAILABLE - PROVIDES 1-1
CONTRACT: DON ALLEN
EMAIL: DONALD.ALLEN@TESCO.COM
PHONE: 859-557-6091
- CONTRACTOR SHALL RUN (2) 4" CONDUIT W/ PULL STRING FROM THE TRANSFORMER AT THE ROW, TO NEW TRANSFORMER LOCATED NEAR THE NEW H-FRAME. THE CONTRACTOR SHALL THEN RUN THE CONDUIT TO THE NEW H-FRAME. THE CONTRACTOR SHALL PROVIDE SERVICE TO THE NEW METER BOARD STRUCTURE. THE CONTRACTOR SHALL PROVIDE BACK FROM THE NEW METER BOARD STRUCTURE TO THE TRANSFORMER. APPROXIMATE COST OF ELECTRIC AT INITIAL UTILITY WALK IS \$4650.

SCOPE OF WORK

- 1) THE CONTRACTOR SHALL PROVIDE ALL ELECTRICAL WIRING AND EQUIPMENT UNLESS OTHERWISE INDICATED. MAIN COMPONENTS ARE AS FOLLOWS:
 - 1) ONE SET OF COMPLETED ELECTRICAL "AS INSTALLED" OR "AS-BUILT" DRAWINGS.
 - 2) THE DATE OF SITE ACCEPTANCE BY THE PROJECT COORDINATOR. ANY WORK MATERIAL OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THIS PERIOD SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
 - 3) PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF ELECTRICAL WORK.
- 2) UPON COMPLETION OF WORK, CONDUIT CONTINUITY, SHORT CIRCUIT, AND TEST REPORTS TO THE PROJECT COORDINATOR.
- 3) CONTRACTOR SHALL CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE IN A COMPLETE AND UNDAUNTED CONDITION.
- 4) THE COMPLETED JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF SITE ACCEPTANCE BY THE PROJECT COORDINATOR. ANY WORK MATERIAL OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THIS PERIOD SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- 5) THE ELECTRICAL CONTRACTOR SHALL VERIFY THE ELECTRICAL EQUIPMENT PROVIDED BY ELECTRICAL SUPPLIERS.
- 6) CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATING SYSTEM ENERGIZED THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- 7) CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.
- 8) CONTRACTORS SHALL OBTAIN ALL NECESSARY BUILDING AND / OR ELECTRIC PERMITS INSPECTIONS AND APPROVALS, AND PAY ALL REQUIRED FEES PLEASANT TO THE WORK.
- 9) ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE (N.E.C.) AND ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES. ALL COMPONENTS SHALL BE "UL" APPROVED.
- 10) CONTRACTORS SHALL BEFORE SUBMITTING THEIR BID, VISIT THE PROJECT SITE AND BECOME FAMILIAR WITH THE CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
- 11) EXACT LOCATION OF ALL EQUIPMENT SHALL BE COORDINATED WITH THE COLINA AND OTHER TRADES.
- 12) CONTRACTOR SHALL BEFORE ALL VERIFICATION, OBSERVATION TESTS AND DRAWING PRIOR TO BEGINNING THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION, CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT COORDINATOR LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- 13) ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN SAFE CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT (SEE NOTE 14 FOR EXCEPTIONS). MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF CONSTRUCTION SERVICES. ALL MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NETA, IEC, AND "UL" LISTED.
- 14) WHERE EQUIPMENT IS SPECIFIED BY MANUFACTURER AND THE SUBSTITUTION SHALL BE MADE, THE CONTRACTOR SHALL SUBMIT THE REASON FOR CHANGE AND CHANGE IN CONTRACT AMOUNT.

3) CPD ASSOCIATES HAS COMPLETED INITIAL UTILITY COORDINATION WITH THE UTILITY PROVIDERS PER THESE PLANS. CONTRACTOR SHALL PERFORM UTILTY COORDINATION WITH THE SINGLE PHASE 800 AMP.

CPD ASSOCIATES
 6275 Blue 220 - 7401
 Indianapolis, Indiana 46250
 317-282-1596, Fax 317-282-1331

CROWN CASTLE
 2400 CONROBERT DRIVE
 CAMDEN, PA 17011
 USA

STATE OF PENNSYLVANIA
 DAVID B. GARDNER, PE
 LICENSE NO. 17340
 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION
1	10/18/11	FINAL CONSTRUCTION DRAWING
2	10/11/11	BUILDING NOTED & NO COMPLECTIONS

DRAWN BY: DTG
 CHECKED BY: TTP
 DRAWING DATE: 10/18/07

SPD GROUP

LOC 104 851-3848
 SITE NAME: DATE HOLLOW

SITE NAME: DATE HOLLOW

LOC ID#

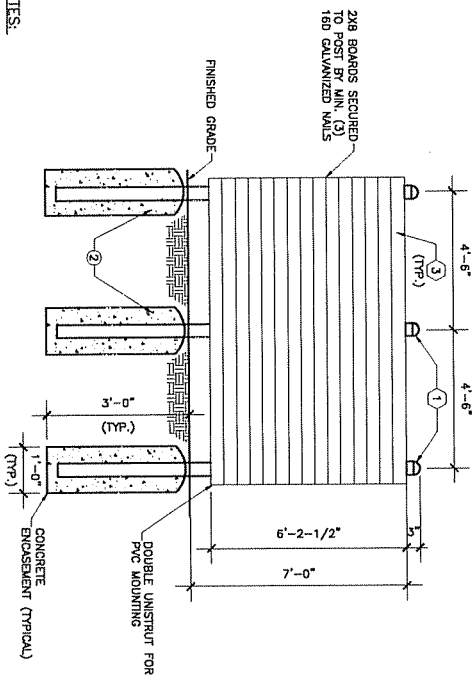
6431-5886

SITE ADDRESS:
 MANY BAY OAKEN LINGER ROAD
 CORNERSVILLE, KY 40301
 CUMBERLAND COUNTY

SHEET TITLE

ELECTRICAL NOTES

SHEET NUMBER

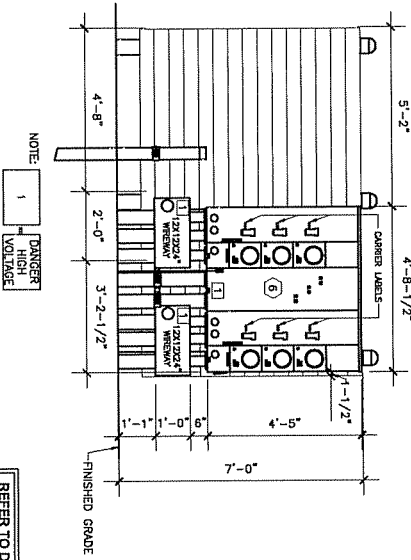


- NOTES:
1. SPRAY CUT ENDS OF ALL UNLUSTRUT WITH COLD-GALV. AND PAINT ON CLEAR LAQUER, OR CAP WITH PLASTIC UNLUSTRUT CAP.
 2. ALL CONCRETE SHALL BE POURED TO BELOW FINISHED GRADE.

FRAME ELEVATION : ELECTRIC SIDE

REFER TO DRAWING EBM FOR BILL OF MATERIALS AND NOTES

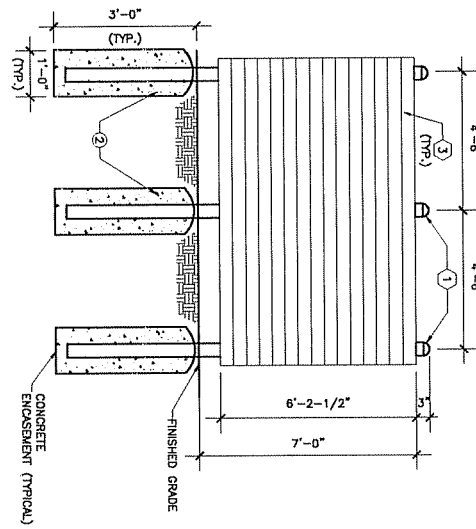
SCALE: 1/4" = 1'-0"



ELECTRIC DIMENSIONING : ELECTRIC SIDE

REFER TO DRAWING EBM FOR BILL OF MATERIALS AND NOTES

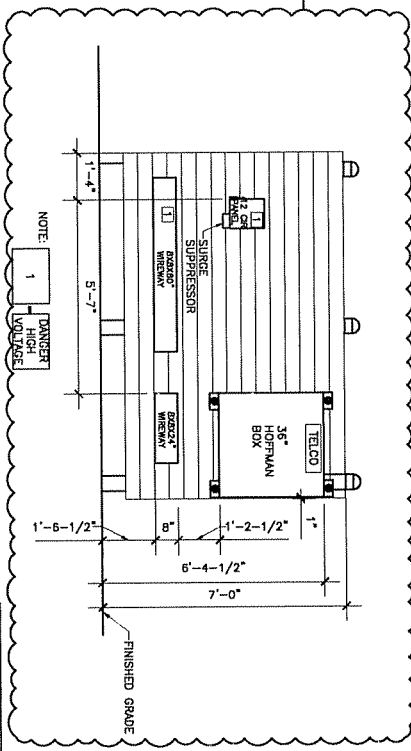
SCALE: 3/8" = 1'-0"



REFER TO DRAWING EBM FOR BILL OF MATERIALS AND NOTES

SCALE: 1/4" = 1'-0"

FRAME ELEVATION : TELCO & TOWER LIGHTNING CONTROL SIDE



TELCO DIMENSIONING : TELCO & TOWER LIGHTNING CONTROL SIDE

REFER TO DRAWING EBM FOR BILL OF MATERIALS AND NOTES

SCALE: 3/8" = 1'-0"

G.P.D. INC. ENGINEERS, ARCHITECTS & DESIGNERS, INC.

GPD ASSOCIATES

Suite 200
14274 Kyles Trill
Indianapolis, Indiana 46250
317-292-2900, fax 317-292-1231

CROWN CASTLE INTERNATIONAL

2006 CORPORATION DRIVE
CAMDENBURG, PA. 15317
USA

SCALE: RESERVED FOR PROFESSIONAL SEALS

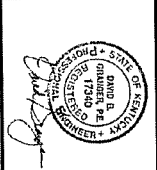
NO.	DATE	DESCRIPTION
1	10/18/07	FINAL CONSTRUCTION DIMENSIONS
2	11/12/07	BUILDING ROTATED & BID CLARIFICATIONS

DRAWN BY: DTC
 CHECKED BY: TTP
 CARRIER NAME: 36 HOFFMAN BOX
 SITE NUMBER: 4551-5086
 SITE NAME: DALE HOLLOWAY
 SITE NAME: DALE HOLLOWAY
 DATE: HOLLOWAY
 BUSINESS UNIT NUMBER: BSN-5886
 SITE ADDRESS: MAURY RAY CARRIER LOGS ROAD
 BURGESSVILLE, KY 40317
 CUMBERLAND COUNTY, USA

SHEET TITLE: **METER BOARD DETAILS**
 SHEET NUMBER: **EM-1**

044 THE PENNSYLVANIA ARCHITECTS
CPD ASSOCIATES
 Suite 200
 16277 Allison Road
 17298-0500, PA 17298-1131

CROWN GATE
 INTERNATIONAL, INC.
 200 CORPORATE DRIVE
 CAMBERSBURG, PA 15317
 USA



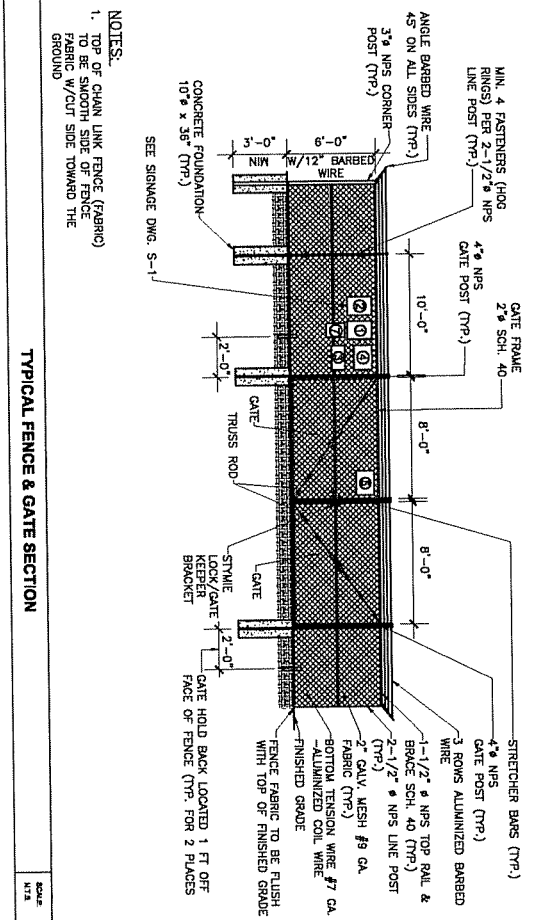
NO.	DATE	DESCRIPTION
1	10/18/11	FINAL CONSTRUCTION DRAWINGS
2	11/11/11	BUILDING REDDED & BID CLASSIFICATIONS

DESIGNED BY: MTP
 CHECKED BY: TTP
 DRAWING DATE: 10/18/07

CARRIER NAME
 SITE NUMBER: RSTV-3888
 SITE NAME: DALE HOLLOW
 SITE NAME
 DALE HOLLOW
 BUSINESS UNIT NUMBER
 RSTV-3888

SITE ADDRESS
 MARY BAY OAKEN LODGE ROAD
 BUNKERSVILLE, WV 44717
 BUCKINGHAM COUNTY
 USA

SHEET TITLE
GATE DETAILS
 SHEET NUMBER



NOTES:
 1. TOP OF CHAIN LINK FENCE (FABRIC) TO BE SMOOTH SIDE OF FENCE FABRIC W/CUT SIDE TOWARD THE GROUND

TYPICAL FENCE & GATE SECTION

NOT USED

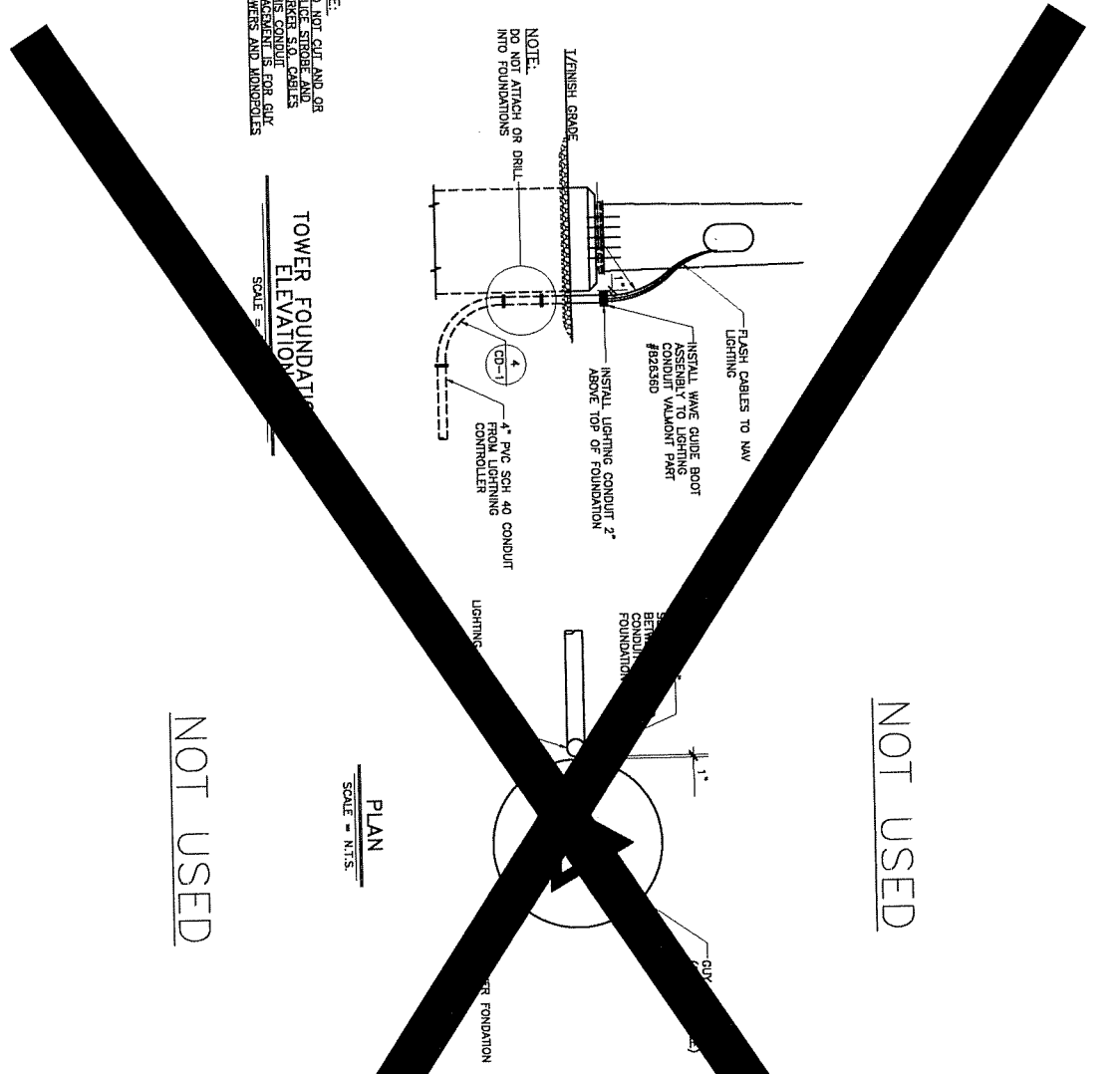
SCALE 1/8" = 1'-0"

3

STYLIUM LOCK DETAIL

SCALE 1/8" = 1'-0"

CD-2



NOTE:
 1. DO NOT CUT AND OR
 SLICE STROBE AND
 MARKER S.O. CABLES
 2. THIS CONDUIT
 IS FOR GUY
 TOWERS AND MONORAILS

NOTE:
 DO NOT ATTACH OR DRILL
 INTO FOUNDATIONS

TOWER FOUNDATION
 ELEVATION
 SCALE = 1/4" = 1'-0"

PLAN
 SCALE = N.T.S.

NOT USED

NOT USED

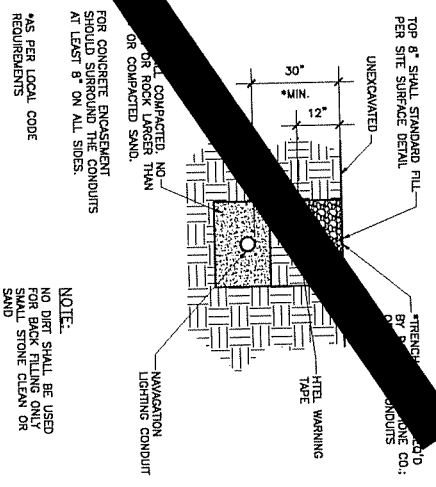
SELF-SUPPORT TOWER NAV LIGHTING CONDUIT DETAIL

SCALE: N.T.S. 1

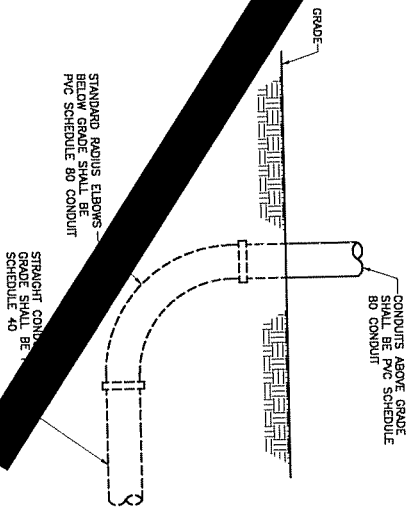
STUB UP DETAIL

SCALE: N.T.S. 4

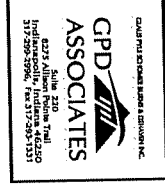
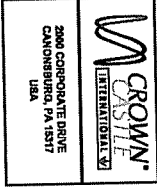
TYPICAL SINGLE CONDUIT TRENCH CONCRETE OR FILL



NOTE:
 NO DIRT SHALL BE USED
 FOR BACK FILLING ONLY
 SMALL STONE CLEAN OR
 SAND



NO.	DATE	DESCRIPTION
1	10/18/07	FINAL CONSTRUCTION DRAWING
2	11/14/07	REVISIONS



CD-4

DRAWN BY: DTP
 CHECKED BY: JTP
 DRAWING DATE: 10/18/07
 CARRIER NAME
 SITE NUMBER: 6531-3008
 SITE NAME: DALE HOLLOW
 BUSINESS UNIT NUMBER: 6531-3008
 SITE ADDRESS: MARY RAY GARDEN LODGE ROAD, BIRKENSHIRE, KY 40371, USA
 SHEET TITLE: NAV LIGHTING DETAILS / CONDUIT DETAILS
 SHEET NUMBER

GPD ASSOCIATES
 1000 North 10th Street
 Suite 200
 Indianapolis, Indiana 46204
 317.589.2996, fax 317.583.1531

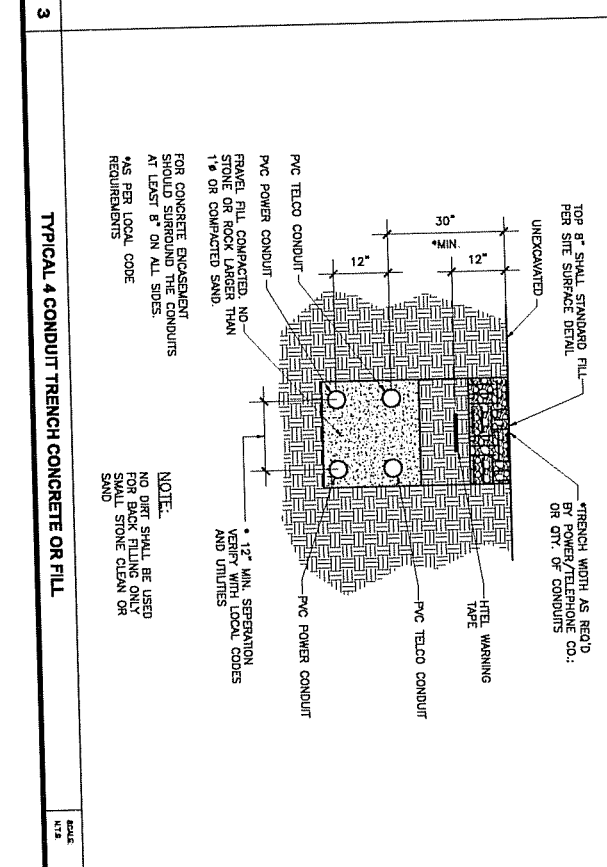
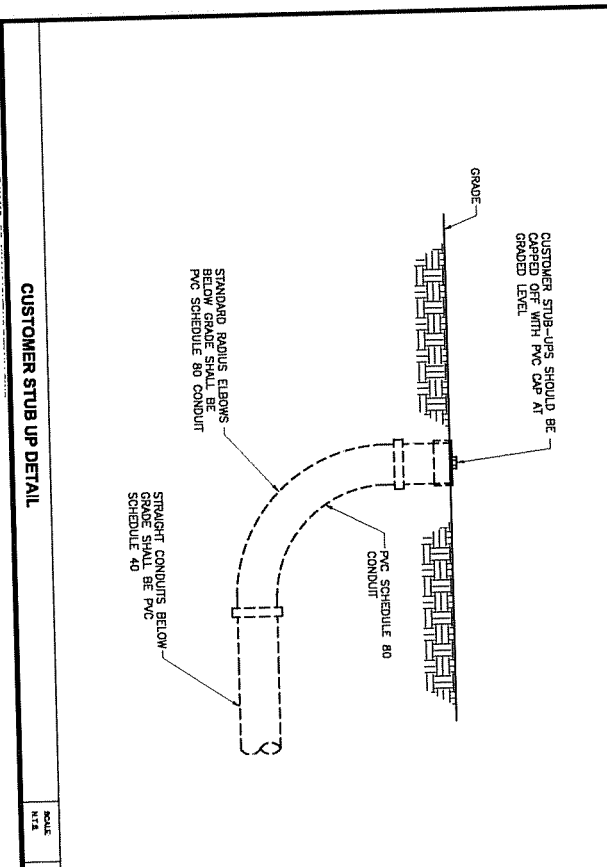
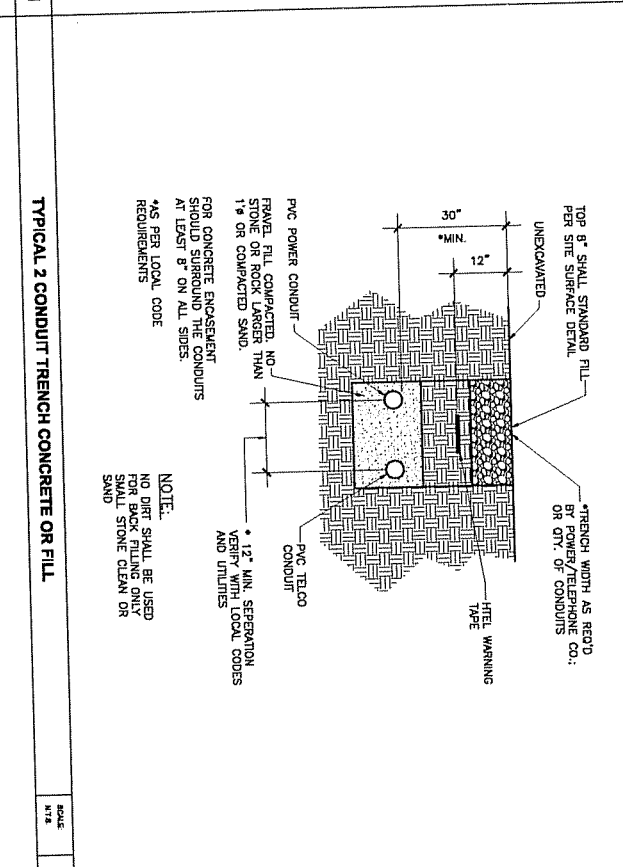
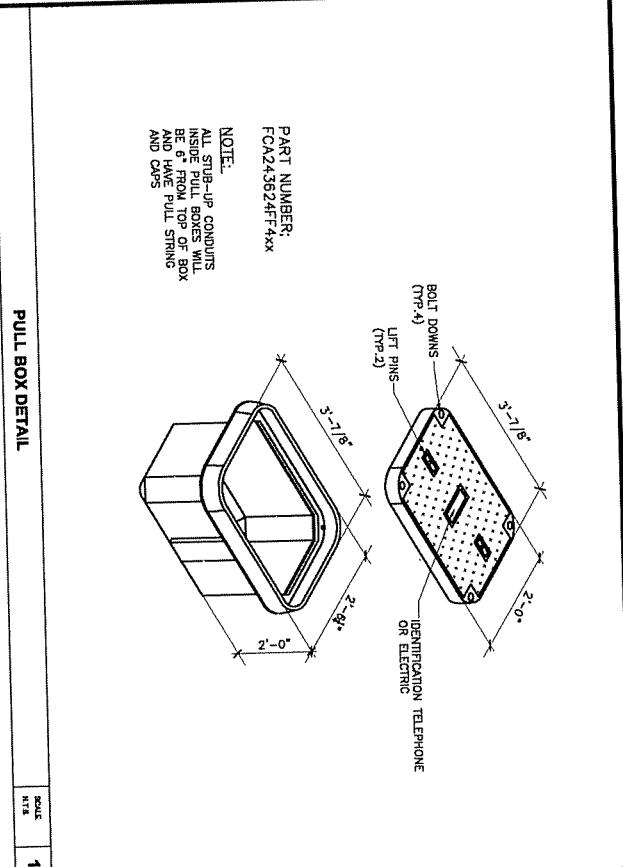
CROWN
 CASTLE
 INTERIORS
 2000 CORPORATE DRIVE
 CANONBURG, PA 15317
 USA

STATE OF PENNSYLVANIA
 REGISTERED PROFESSIONAL ENGINEER
 No. 1000000000
 DALE B. HOLLOWAY
 7/29/00
 7/29/11

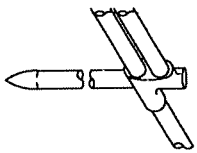
NO.	DATE	DESCRIPTION
1	07/29/11	FINAL CONSTRUCTION DOCUMENTS
2	07/29/11	REVISIONS
3	07/29/11	REVISIONS
4	07/29/11	REVISIONS

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/18/07
 CARRIER NAME:
 SITE NUMBER: 831-3866
 SITE NAME: DALE HOLLOWAY
 SITE NAME:
 DALE HOLLOWAY
 BUSINESS UNIT NUMBER:
 831-3866
 SITE ADDRESS:
 2000 CORPORATE DRIVE
 CANONBURG, PA 15317
 BUNDESBURG COUNTY
 PA
 SHEET TITLE:
**TRENCH DETAILS/
 CONDUIT DETAILS**
 SHEET NUMBER:

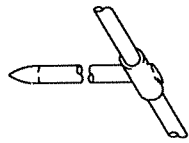
CD-4-1



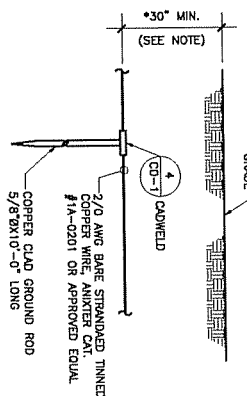
CD-4-1



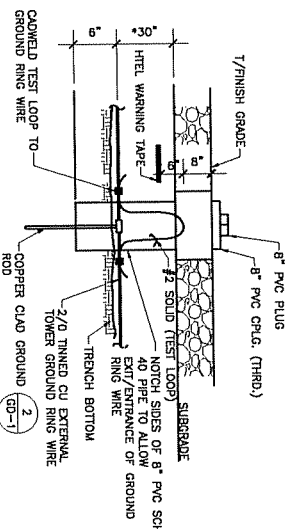
DOUBLE CABLE TO GROUND ROD
CADWELD TYPE NC THERMOWELDED TYPE CR-17



HORIZONTAL TO GROUND ROD
CADWELD TYPE NC THERMOWELDED TYPE CR-17



NOTE:
*GROUND ROD SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE, (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

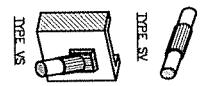
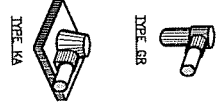
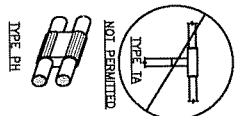


NOTE:
*GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE, (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

GROUND ROD

GROUND ROD DETAIL

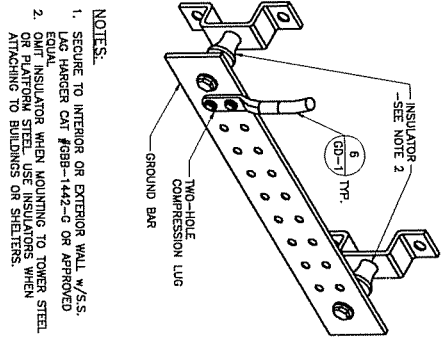
INSPECTION PORT DETAIL



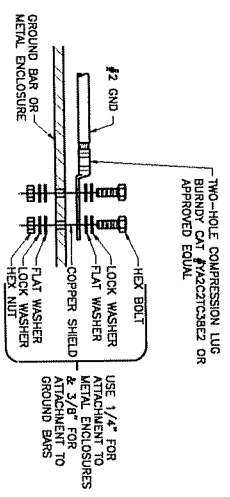
CADWELDS (TYPICAL)

GROUND BAR

GROUNDING TO FLAT SURFACES TYPICAL



NOTES:
1. SECURE TO INTERIOR OR EXTERIOR WALL W/S.S. LAG HARGER CAT #88B-1442-C OR APPROVED EQUAL.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATORS WHEN ATTACHING TO BUILDINGS OR SHIELDS.



INSTALLATION NOTES:
1. BOLTS, WASHERS, AND NUTS SHALL BE STAINLESS STEEL.
2. SELECT BOLT LENGTH TO PROVIDE MINIMUM OF TWO EXPOSED THREADING SURFACE TO REMOVE PAINT IN BURN AREA OF LUG CONTACT.
3. EXPOSED THREADING SURFACE TO REMOVE PAINT IN BURN AREA OF LUG CONTACT.
4. APPLY COPPER SHIELD COMPOUND TO MATING SURFACE OF LUG AND Wipe CLEAN EXCESS COMPOUND.
5. ALL METAL ELECTRICAL EQUIPMENT SHALL BE EXTERNALLY GROUNDED TO THE TOWER FOR PROTECTION OF PAINT. REMOVED BEFORE INSTALLATION, AND SHALL BE SPRAYED LIGHTLY WITH CLEAR COAT LACQUER FINISH.

NO.	DATE	DESCRIPTION
1	10/15/07	FINAL CONSTRUCTION OWNER
2	11/15/07	BUILDING NOTICED & NO CLASSIFICATIONS

DESIGNED BY: DTC
CHECKED BY: TTP
DRAWING DATE: 10/16/07
CARRIER NAME:
SITE NUMBER: RST-3488
SITE NAME: DALE HOLLOW
DATE HOLLOW:
BUSINESS UNIT NUMBER:
SHEET ADDRESS:
MARTY RAY DALE HOLLOW ROAD
DALE HOLLOW, VA 22620
SPRINGFIELD COUNTY
VA
SHEET TITLE:
GROUNDING
DETAILS
SHEET NUMBER:

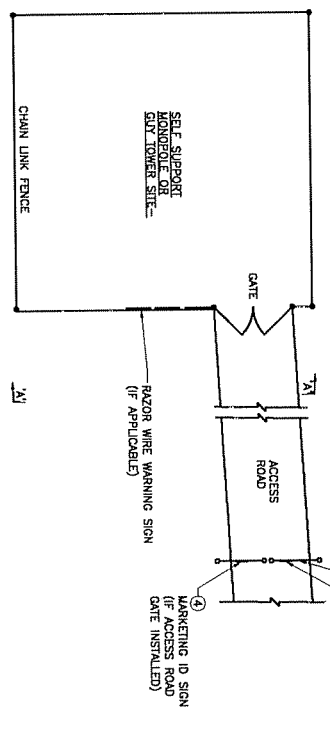
GD-1

G.P.D. ASSOCIATES
50th FLOOR
1627 Alton Road
Columbia, SC 29204
803-739-5596, Fax 803-739-1331

CROWN CASTLE INTERNATIONAL
200 CORPORATE DRIVE
CANDLERBURG, VA 18317
USA

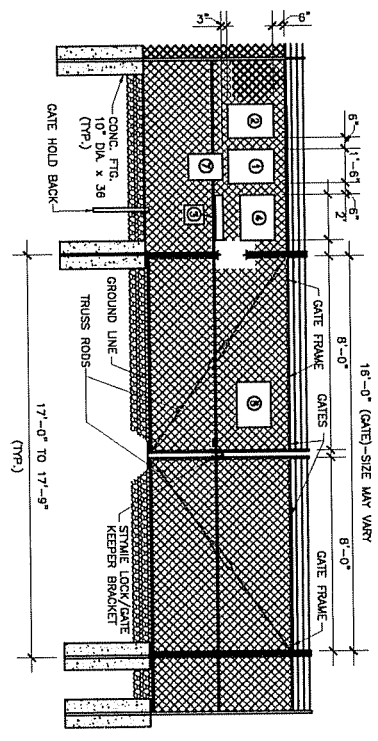
STATE OF PENNSYLVANIA
DIVISION OF REVENUE
P.O. BOX 17730
HARRISBURG, PA 17105
REGISTERED PROFESSIONAL ENGINEER

- NOTES:**
- ① CAUTION - REF SIGN (BLACK, YELLOW, WHITE) TO BE MOUNTED NEAR TOWER LEG W/CLIMBING CABLE. DO NOT RESTRICT CLIMBING ACCESS.
 - ② ASR SIGN TO BE MOUNTED AT TOWER BASE DURING CONSTRUCTION.
 - ③ OCCAS MARKETING/AD SIGN - 18"x24" (INCLUDES SITE ADDRESS) OCCAS MARKETING SIGN - 14"x20" (SMALL SITES)
 - ④ ACCESS GATE (IF INSTALLED) - SEE DRAWING CD-2 DETAIL #3
 - ⑤ FCC REGISTRATION SIGN
 - ⑥ MARKETING ID SIGN (IF ACCESS ROAD GATE INSTALLED)
 - ⑦ RAZOR WIRE WARNING SIGN (IF APPLICABLE)
 - ⑧ SELF SUPPORT MONOPOLE OR GUY TOWER SIGN



TOWER SITE COMPOUND SIGN PLACEMENT

SCALE NONE 1



SITE SIGNAGE SECTION "A-A"

SCALE NONE 2

TYPICAL SIGNS AND SPECIFICATIONS

SCALE NONE 3

PRIVATE PROPERTY
NO TRESPASSING VIOLATORS WILL BE PROSECUTED

RED BACKGROUND W/WHITE LETTERING
WHITE BACKGROUND W/RED LETTERING
RED BACKGROUND W/WHITE LETTERING
WHITE BACKGROUND W/WHITE LETTERING

NO-TRESPASSING SIGN
18" WIDE X 24" HIGH

WARNING
THIS SITE IS POSTED & PROTECTED BY RAZOR WIRE

RED BACKGROUND W/WHITE LETTERING
WHITE BACKGROUND W/BLACK LETTERING

RAZOR WIRE SIGN
18" WIDE X 24" HIGH

FCC REGISTRATION SIGN
24" WIDE X 18" HIGH

FCC TOWER REGISTRATION NO. 1234567
LITORY W/BLACK LETTERING

MARKETING/AD SIGN
24" WIDE X 18" HIGH

SITE ID# 00000
VERIFIED BY STREET ADDRESS
CITY STATE AND ZIP CODE
PHONE NO. (OPTIONAL)
E-MAIL ADDRESS (OPTIONAL)

WARNING
HARD HAT REQUIRED AT ALL TIMES
NO TRIPPING HAZARDS
CAUTION - HARD HAT CONSTRUCTION AREA AND TRIPPING HAZARDS

RED BACKGROUND W/WHITE LETTERING
WHITE BACKGROUND W/BLACK LETTERING

ANCHOR POINT SIGN
5" WIDE X 10" HIGH
10" WIDE X 10" HIGH

WHITE BACKGROUND W/BLACK LETTERING
WHITE BACKGROUND W/BLACK LETTERING

NOTICE
ROAD REPAIR BY OWNER/ASA

WHITE BACKGROUND W/BLACK LETTERING

NOTICE-REF. SIGN
12" WIDE X 18" HIGH

CAUTION
ROAD REPAIR BY OWNER/ASA

WHITE BACKGROUND W/BLACK LETTERING AND YELLOW SYMBOL

CAUTION-REF. SIGN
12" WIDE X 18" HIGH

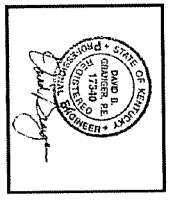
ASR SIGN
10" WIDE X 4" HIGH

ASR 1234567

ASR SIGN
10" WIDE X 4" HIGH

ASR 1234567

NO.	DATE	DESCRIPTION
1	10/19/07	FINAL CONSTRUCTION DRAWINGS
2	11/15/07	BUILDING NOTATED & BID CLARIFICATION



CROWN CASTLE
2000 CORPORATE DRIVE
CAMDENBURG, VA 24517
USA

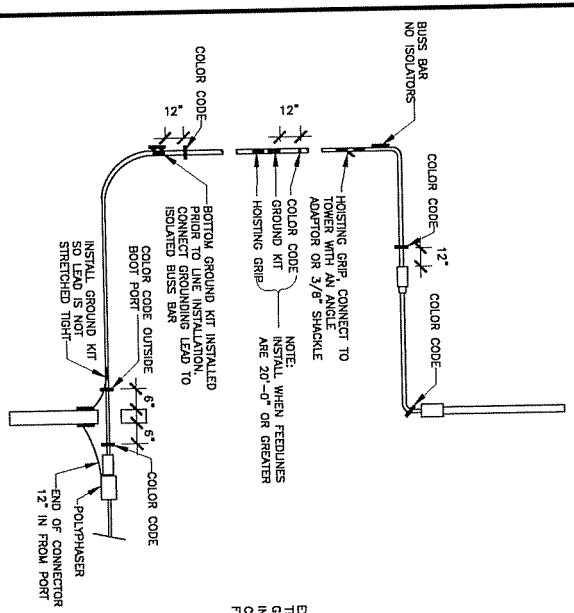
CPD ASSOCIATES
6325 Alton Road
Farmingdale, NY 11735
317-296-5996, fax 317-293-1331

DRAWN BY: DTG
CHECKED BY: DTG
DRAWING DATE: 10/19/07

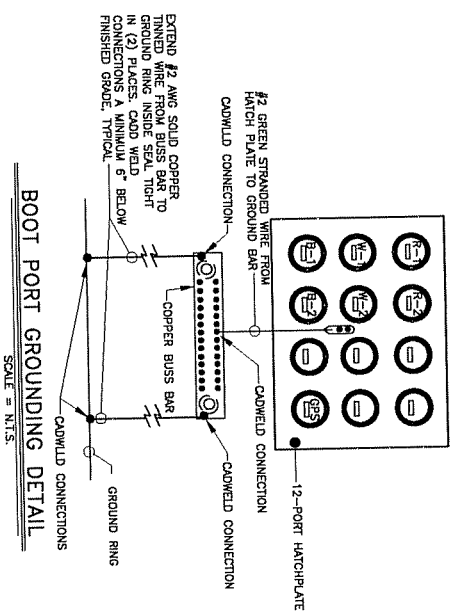
CORPORATE NAME: _____
DATE HOLLOW: _____
BUSINESS UNIT NUMBER: _____
851-5486

SITE ADDRESS: _____
MARY HAY OAKEN LONGER ROAD
BUNNERSVILLE, VA 22137
SPRINGFIELD COUNTY
USA

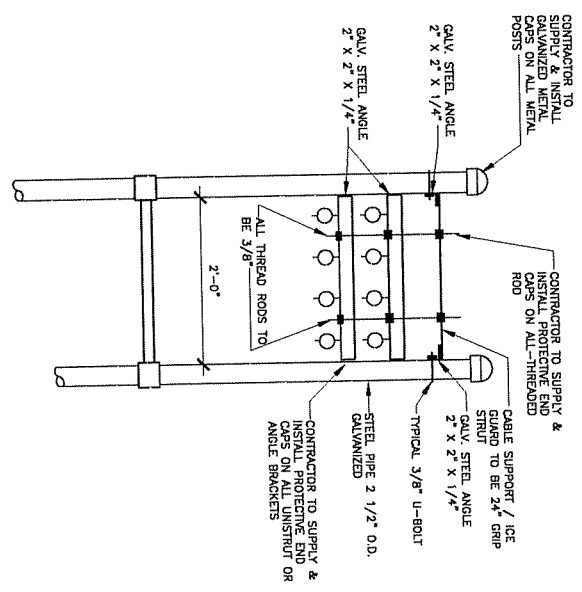
SHEET TITLE: _____
SITE SIGNAGE FENCE AND GATE
SHEET NUMBER: _____



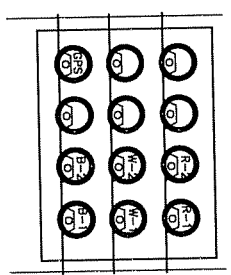
COLOR CODING DETAIL
SCALE = N.T.S.



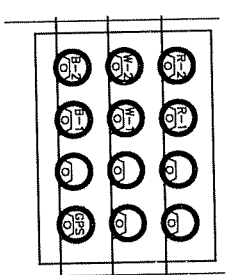
BOOT PORT GROUNDING DETAIL
SCALE = N.T.S.



ICE BRIDGE/COAX SUPPORT DETAIL
SCALE = N.T.S.



COAX ENTRY DETAIL POWER SIDE
(VIEW FROM INSIDE SHELTER)
SCALE = N.T.S.



COAX ENTRY DETAIL A/C SIDE
(VIEW FROM INSIDE SHELTER)
SCALE = N.T.S.

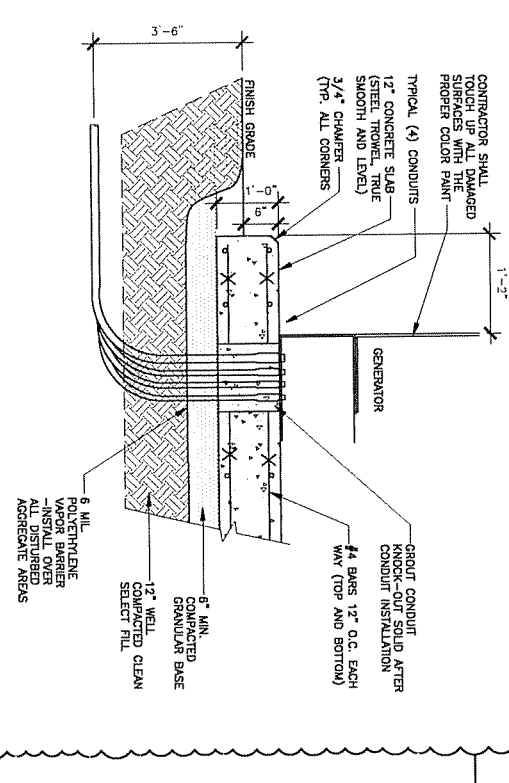
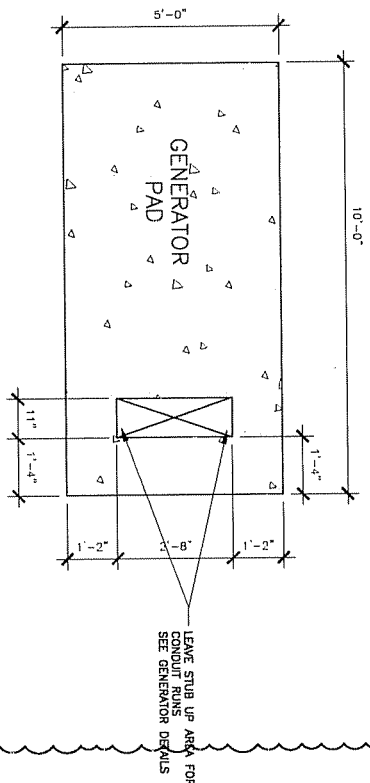
NO.	DATE	DESCRIPTION
1	10/23/07	FINAL CONSTRUCTION DRAWING
2	11/15/07	BUILDING REDUCED & NO CLARIFICATIONS

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/23/07
 GPD GROUP
 SITE NUMBER: 851-3888
 SITE NAME: DALE HOLLOW
 DALE HOLLOW
 LOC #W
 851-3888
 SITE ADDRESS
 MARY RAY OAKEN LODGE ROAD
 BURNERSVILLE, KY 42717
 CUMBERLAND COUNTY
 SHEET TITLE
BLUGRASS COAX ANTENNA DETAILS
 SHEET NUMBER

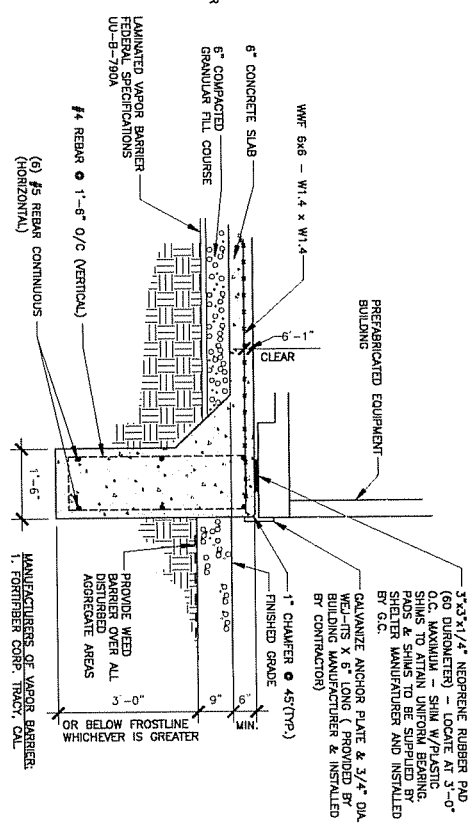
CROWN
 CASTLE
 INTERNATIONAL, INC.
 2900 CORPORATE DRIVE
 CAMDENBURG, PA 17317
 USA

STATE OF PENNSYLVANIA
 PROFESSIONAL ENGINEER
 DANIEL B. GARDNER, PE
 17340
 10/23/07

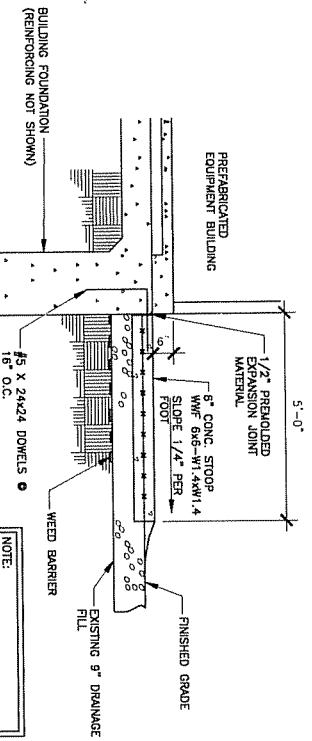
BG-01



GENERATOR FOUNDATION DETAIL
SCALE = N.T.S.



SHELTER FOUNDATION PLAN
SCALE = N.T.S.



STOOP DETAIL
SCALE = N.T.S.

NO.	DATE	DESCRIPTION
1	10/23/11	FINAL CONSTRUCTION DRAWING
2	11/15/11	BUILDING NOTED & BID CLARIFICATIONS

DESIGNED BY: JTC
CHECKED BY: TTP
DRAWING DATE: 10/23/11

GRID GROUP
SITE NUMBER: 6831-3668
SITE NAME: DALE HOLLOW
DALE HOLLOW
LOC ID#
8831-3668

SITE ADDRESS
MARY ANN OAKEN LODGE ROAD
BUKESVILLE, NY 12717
CUMBERLAND COUNTY

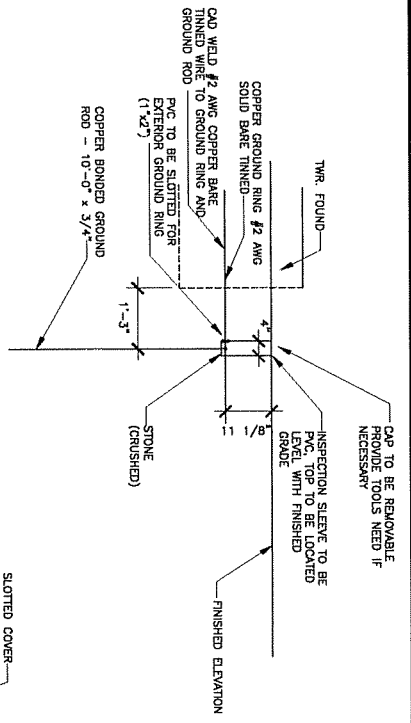
SHEET TITLE
BLUGRASS FOUNDATION DETAILS
SHEET NUMBER

BG-02

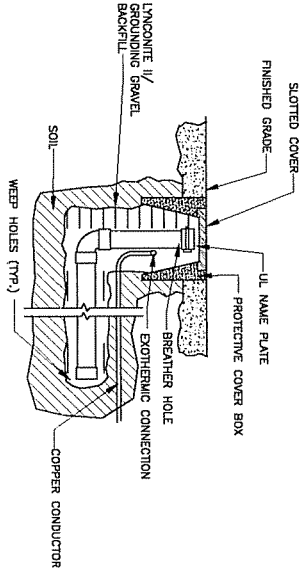
CPD ASSOCIATES
2000 CORPORATE DRIVE
CAMONSBURG, PA 15817
USA

CROWN CASTLE
INTERNATIONAL CO.

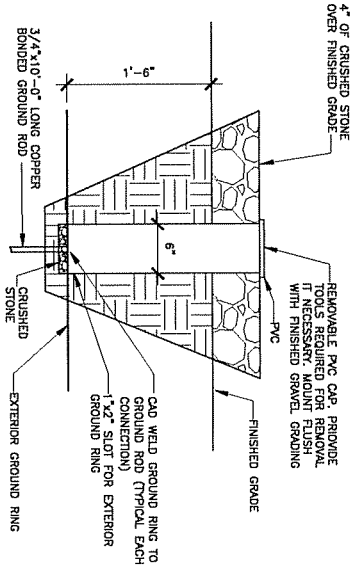
15234 Allison Piquette Trail
P.O. Box 17240
Columbus, OH 43217
317-299-2996, fax 317-293-1311



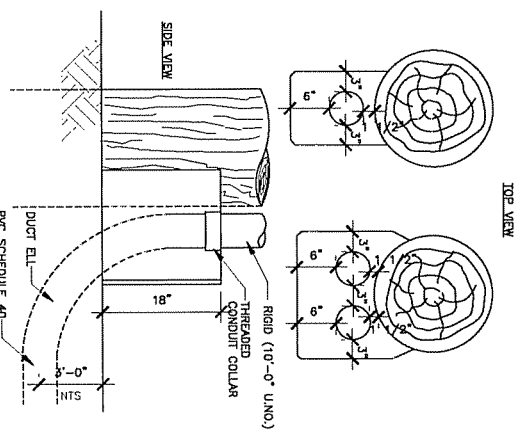
GROUNDING ROD DETAIL
SCALE = N.T.S.



LYNCOLE KIT DETAIL
SCALE = N.T.S.



GROUND SLEEVE DETAIL
SCALE = N.T.S.



HUB-BAND DETAIL
SCALE = N.T.S.

NO.	DATE	DESCRIPTION
1	10/23/07	FINAL CONSTRUCTION CHANGE
2	11/14/11	BUILDING NOTED & NO CLARIFICATION

DRAWN BY: DTC
 CHECKED BY: TTP
 DRAWING DATE: 10/23/07
 GPD GROUP
 SITE NUMBER: ASH 3448
 SITE NAME: DALE HOLLOW
 DATE HOLLOW
 LOC ID#
 ASH-3686
 SITE ADDRESS:
 MARTIN LUTHER KING JR. ROAD
 CUMBERLAND COUNTY
 SHEET TITLE
BLUEGRASS MISC. DETAILS
 SHEET NUMBER

BG-03

GPD PROJECTS BUILT & MAINTAINED
GPD ASSOCIATES
 Suite 220
 4377 N. Industrial Blvd.
 Indianapolis, Indiana 46240
 317-259-2596, Fax 317-259-1331

CROWN CASTLE INTERNATIONAL
 2000 CORPORATE DRIVE
 CAHONSBURG, PA 15117
 USA

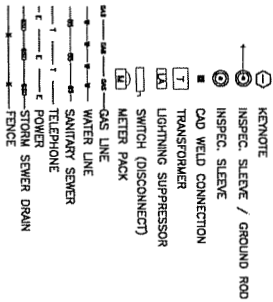
STATE OF PENNSYLVANIA
 DANIEL B. GRANGER, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 No. 17310
 Exp. 12/31/11
 [Signature]

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COST INCURRED.
2. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REMOVING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.
3. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED. PLEASE PROVIDE A WRIE UP NOTICE.
4. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE A WRIE UP NOTICE.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY NOTICES ARE REQUIRED, THE CONTRACTOR SHALL ADVISE THE OWNER IMMEDIATELY.
6. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
7. THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING. ANY PROBLEMS OR CHANGE FOUND CONTACT THE OWNER IMMEDIATELY.
8. THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR. ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER IMMEDIATELY WHEN TOWER HAS REACHED FINAL HEIGHT.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.
10. CONTRACTORS, OR SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL BE REQUIRED TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO ALL WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTORS.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK, NECESSARY TO REPAIR DAMAGED AREAS.
13. CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.

GRADING & EXCAVATING NOTES:

1. ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS IS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
2. PREPARATION FOR FILL:
 - REMOVAL OF ALL DEBRIS, WET AND UNSATURATED SOIL, MATERIALS TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO FILLING. STRIPPING, FILLING, AND FILLING SHALL BE TO A MINIMUM OF 12" DEPTH. GREATER THAN 1 VERTICAL TO 4 HORIZONTAL. SO MATERIAL FOR FILL WILL BE BOUND TO EXISTING SURFACE. BREAK UP GROUND SURFACE TO DEPTH REQUIRED. REMOVE WEATHERED SANDSTONE OR PLASTERED SOIL AND RECOMPACT TO REQUIRED DENSITY.
 - BACK FILLING:
 - EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLDS OVER 2 1/2" MAXIMUM DIAMETER.
 - SHALL BE PLACED IN LAYERS OF 8" AND COMPACTED TO A DENSITY OF 95% PROCTOR IN GROSSED / UNGROSSED AREAS WHERE REQUIRED.
 - SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.
3. ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S. ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
4. AFTER COMPLETION OF BELOW GRADE EXCAVATING AREA TO BE AS TRASH, DEBRIS, VEGETATION AND SO FORTH.
5. ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE APPROVED BY OWNER AND SHALL BE PLACED IN LAYERS AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
6. IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE RECOMMENDATIONS.
7. MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION SHALL BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. CRUSHED STONE MAY BE USED. STONE IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A SAND PART OF EXCAVATING FROM CONTACT YOU WITH RECOMMENDATIONS.



- INSTALL CONCRETE PADS FOR BUILDING, PREPARE TANK, AND GENERAL CONCRETE PAD.
- INSTALL ELECTRICAL AND GROUND FIELD FOR COMPOUND.
- EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL, MAT. (GROUNDED FORMATION)
- GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET TOWER AND BUILDING. COORDINATE BUILDING DURING DATE THROUGH BLUEGRASS CELLULAR.
- GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)
- GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- GC WILL BE RESPONSIBLE FOR SCHEDULING AND INSTALLING ICE BRIDGE.
- GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP.
- GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEARING OF THE SITE. ALL UTILITIES TO BE IDENTIFIED AND MARKED AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 10 GALLON TRASH CAN, 50 GALLON TRASH BAGS, BROOD, DUST PAN, AND DUCKWANT FOR BUILDING.
- GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS AND SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS. (FIBERROAD, GENEX, EASTPOINT ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- ALL WAREHOUSE MATERIALS (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- ALL ALARMS TO BE HOOKED UP TO BLUEGRASS CELLULAR INC. ALARM BLOCK BY GC. THIS IS TO INCLUDE GENERATOR ALARM, A/C POWER FAIL ALARM AND TOWER LIGHT ALARM. PER OWNERS SPECIFICATIONS.
- GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR STARTUP WITH CONTACT SCOTT ANDERSON (EMPAR) 502-267-6315
- TI CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING (IF A MICROWAVE DISH IS USED, THE TI CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE).
- GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- ALL TRASH AND DEBRIS TO BE REMOVED BY GC.
- GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAVING NECESSARY FEES REQUIRED.
- GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL SUPPRESSED AND UNSUPPRESSED REARDED ROD OR UNSTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.

NO.	DATE	DESCRIPTION
1	10/23/07	FINAL CONSTRUCTION DRAWING
2	11/14/07	REVISIONS



2000 CORPORATE DRIVE
CANTONVILLE, TN 37021
USA

CROWN
CASTLE
INTERNATIONAL

CPD ASSOCIATES
4232 ALLEN ROAD
INDIANAPOLIS, INDIANA 46250
TEL: 317-592-9000 FAX: 317-592-9333

DRAWN BY: BTC
CHECKED BY: TTP
DRAWING DATE: 10/23/07

GRID GROUP

8176 NUMBER 3831 3466
SITE NAME: DALE HOLLOWAY
SITE VALUE

DALE HOLLOWAY

LOC: 104

ASST: 3466

SITE ADDRESS
MARY RAY DAVIS LODGE ROAD
BUNKER HILL KENTucky
CHICKEN AND COUNTRY

SHEET TITLE
BLUEGRASS
GENERAL NOTES

SHEET NUMBER

BG-05