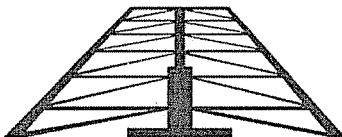


7383 Utica Blvd ~ Lowville, New York 13367 ~ 315-376-3333 ~ FAX 315-376-8139



**Boulevard Properties, L.L.C.**

Thursday, June 30, 2005

Kyle Willard  
Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED

JUL 01 2005

PUBLIC SERVICE  
COMMISSION

RE: Jamestown wireless site (Docket # 2005-00106)

Dear Mr. Willard,

Enclosed please find three copies of Shared Towers KY's application to build a wireless site in Jamestown. Please let me know if anything additional needs to be supplied and what the next step is, the email address or mobile number below are the best ways to reach me. Thank You.

Regards,

A handwritten signature in black ink, appearing to read 'D B Jantzi'. The signature is stylized and fluid, with the first name 'D B' being the most prominent part.

David B. Jantzi  
Consultant to Shared Towers KY, LLC  
315-523-6258 (M)  
dave@blvdllc.com

**FOR THE PUBLIC RECORD**

**RECEIVED**

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

JUL 01 2005

PUBLIC SERVICE  
COMMISSION

IN THE MATTER OF:

APPLICATION OF SHARED TOWERS KY, LLC. )  
 AND AMERICAN CELLULAR CORPORATION )  
 FOR ISSUANCE OF A CERTIFICATE OF PUBLIC ) DOCKET NO.:2005-00106  
 CONVENIENCE AND NECESSITY TO CONSTRUCT )  
 A WIRELESS COMMUNICATIONS FACILITY AT )  
 263 NORTH MAIN STREET (HARRIS LANE), )  
 JAMESTOWN, KENTUCKY 42629 )  
 IN THE WIRELESS COMMUNICATIONS LICENSE AREA )  
 IN THE COMMONWEALTH OF KENTUCKY )  
 IN THE COUNTY OF RUSSELL )

SITE NAME: JAMESTOWN  
SITE NUMBER: KY-109

\*\*\*\*\*

Shared Towers KY, LLC. As ultimate owner, And American Cellular Corporation, as a licensed public utility in the commonwealth of Kentucky, make this application.

The property on which the Wireless Communications Facility ("WCF") will be built is located at 263 North Main Street on Harris Lane in Jamestown Kentucky, 42629. The WCF site is geographically positioned at 36° 59' 14.94" North latitude, 85° 04' 2.99" West longitude.

Jamestown

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

IN THE MATTER OF:

APPLICATION OF SHARED TOWERS KY, LLC. )  
AND AMERICAN CELLULAR CORPORATION )  
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC ) DOCKET NO.:2005-00106  
CONVENIENCE AND NECESSITY TO CONSTRUCT )  
A WIRELESS COMMUNICATIONS FACILITY AT )  
263 NORTH MAIN STREET (HARRIS LANE), )  
JAMESTOWN, KENTUCKY 42629 )  
IN THE WIRELESS COMMUNICATIONS LICENSE AREA )  
IN THE COMMONWEALTH OF KENTUCKY )  
IN THE COUNTY OF RUSSELL )

SITE NAME: JAMESTOWN  
SITE NUMBER: KY-109

**RECEIVED**

JUL 01 2005

PUBLIC SERVICE  
COMMISSION

\*\*\*\*\*

**UNIFORM APPLICATION**

Shared Towers KY, LLC. ("Shared Towers"), as ultimate owner, and American Cellular Corporation. ("Provider") as a licensed public utility in the Commonwealth of Kentucky, hereinafter jointly referred to as "Applicants", by counsel, pursuant to (ii) the Telecommunications Act of 1996, respectfully submit their Application for a Certificate of Public Convenience and Necessity ("CPCN") from the Public Service Commission of Kentucky ("PSC") to construct, maintain, and operate a Wireless Communications Facility ("WCF") to serve the customers of the Provider with wireless and telecommunications services, and other wireless service provider collocations in the area described herein.

In support of this Application, the Applicants respectfully provide and state the following information:

1. The complete names and addresses of the Applicants are:

Shared Towers KY, LLC., a Kentucky Limited Liability Company, having a mailing address of 6501 Sandy Knoll Court, McLean, Virginia 22101 (703) 893-0806.

American Cellular Corporation A Delaware Corporation, 3910 South Ave. Youngstown, OH 44512, 73134 having a local address of 124 South Keeneland Drive, Suite 1, Richmond, KY 40475, (606) 544-2355.

2. Shared Towers constructs, owns, manages, maintains, and operates independent communications networks. Shared Towers owns and manages safe, clean and well maintained facilities. Shared Towers facilities do not generate smoke, odors, noise, noxious gases, vibrations, or traffic increase. Shared Towers facilities will not pollute air, soil, or water, nor will they adversely affect radio or television reception or transmission. A certified copy of the Certificate of Existence issued by the Secretary of State of the Commonwealth of Kentucky for Shared Towers and a copy of the Certificate of Merger and a certified copy of the Certificate of Authorization for the Provider are attached or described as part of **Exhibit 1**.

3. After completion of the proposed WCF, Shared Towers 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. The proposed WCF will serve an area completely within the Provider's Federal Communications Commission ("FCC") licensed service area in the Commonwealth of Kentucky. The Provider is authorized to provide wireless service by the FCC and the PSC. A copy of the Provider's FCC license to provide wireless service is attached to this Application or described as part of **Exhibit 1**. Shared Towers has located the proposed site in a manner such that other wireless

communications service providers will desire to collocate on said tower, and will endeavor to provide all necessary facilities to make collocation attractive to them.

4. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring the Provider's services to an area currently not served or not adequately served by the Provider and will thereby enhance the public's access to innovative and competitive wireless telecommunications services. The WCF will provide a necessary link in the Provider's telecommunications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications licensed area. The WCF is an integral link in the Provider's network design that must be in place to cover the proposed service area.

5. Shared Towers' 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. In addition, the WCF will be available for use by governmental agencies and providers of emergency services. The WCF will provide a necessary link in Shared Towers' wireless infrastructure network, and Shared Towers, as part of its business structure, will diligently pursue and encourage other wireless providers to collocate 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. Shared Towers' Vested interest in the collocation of wireless service providers promotes the same goals for the local consumers.

6. The Applicants propose to construct a WCF at 263 North Main Street on Harris Lane in Jamestown Kentucky, 42629. (36° 59' 14.94" North latitude, 85° 04' 2.99" West longitude). In an area located entirely within the Russell county. The property on which the WCF will be located is owned by Donnie Wilkerson. The proposed WCF will consist of a 250-foot self-support tower with an approximately 6-foot lightning arrester attached to the top, for a total height of 256 feet. The WCF will also include concrete foundations to accommodate the placement of the Provider's proprietary radio electronics equipment. The equipment will be housed in a prefabricated cabinet or shelter that 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 Provider'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. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit 2** and **Exhibit 15**. Periodic inspections will be performed on the WCF in accordance with the applicable regulations or requirements of the PSC. The list of competing utilities, corporations, or persons is attached as **Exhibit 3**.

7. Reduced copies of the site development plan have been included as **Exhibit 2** and **Exhibit 15** of this application. 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 15**. 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 is included as part of **Exhibit 2**.

8. 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 collocate. The Applicants have attempted to collocate on suitable existing structures such as telecommunications towers or other suitable structures capable of supporting the Provider's facilities. No other suitable and available collocation site was found to be located in the vicinity of the site. Information regarding the Applicants' efforts to achieve collocation in the vicinity are presented as **Exhibit 4**.

9. The Applicants have conducted a preliminary aeronautical evaluation for the proposed WCF. The evaluation determined that the proposed structure height at this site meets Federal Aviation Administration ("FAA") Regulation requirements. Furthermore, FAA notice is required for the proposed construction, and lighting or marking requirements may be applicable to this facility. A copy of the FAA Application is attached as **Exhibit 5**. upon receiving authorization from the FAA, the Applicants will forward a copy of the determination as a supplement to this application proceeding.

10. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application for the proposed WCF is attached as **Exhibit 6**. Upon receiving authorization from the KAZC, the Applicants will forward a copy of the determination as a supplement to this Application Proceeding

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

12. A geotechnical-engineering firm has performed soil boring(s) and subsequent geotechnical-engineering studies at the WCF site under the supervision of a professional engineer registered in the Commonwealth of Kentucky who specializes in geotechnical engineering, including subsurface exploration. The geotechnical-engineering firm has performed many such studies for the communications industry. A copy of the geotechnical-engineering report and evaluation signed and sealed by a professional engineer registered in the Commonwealth of Kentucky who specializes in geotechnical engineering, including subsurface exploration, is attached as **Exhibit 7**. 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 in **Exhibit 7**.

13. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit 8**. The name and address of the preparer of **Exhibit 8** is included in **Exhibit 8**.

14. Shared Towers, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit 10**. Also included as part of **Exhibit 9** is the portion of the full agreement demonstrating that in the case of abandonment a method is provided to dismantle and remove the cellular antenna tower including a timetable for removal.

15. Personnel directly responsible for the design and construction of the proposed WCF are well-qualified and experienced. World Tower Company, Inc. (the Tower



Manufacturer) performed the tower and foundation design. The Tower Manufacturer is a nationally recognized manufacturer and designer of communication towers. The Tower Manufacturer has designed and installed communications towers throughout North America. The Tower Manufacturer has assigned S. M. Naeem Akhter a professional engineer registered in the commonwealth of Kentucky to design the Tower for the WCF. This engineer specializes in the design and engineering of guyed, self support and monopole structures, and has extensive experience in the design and construction of projects similar to the Applicants'. These projects include the design of towers and the requires foundations of many other wireless facilities. All of the designs have been signed and sealed by S. M. Naeem. The construction of the proposed WCF will be performed by Shared Towers or their agents who are insured and experienced tower erection specialists. The Project Manager, David Jantzi, will manage the construction of the WCF and the tower erection. David has been building wireless communications sites and erecting towers for the telecommunications industry for over 13 years. All tower designs will meet or exceed applicable laws and regulations.

16. Based on a review of Federal Emergency Management Agency Flood Insurance Rate Maps, the registered land surveyor has noted in **Exhibit 15** that the proposed WCF is not located within any flood hazard area.

17. The possibility of high winds has been considered in the design of this tower. The tower has been designed and engineered by professional engineers using computer assistance and the same accepted codes and standards as are typically used for high-rise building construction. The tower has been designed to withstand a wind loading of 70 m.p.h. with ½ inch of radial ice. This tower has been designed in accordance with the Electronic Industries Association ("EIA") 222-F 1996 Standards, which have been accepted

and approved by ANSI and is a nationally recognized tower design standard. Similarly, the proposed WCF design has been developed with consideration of potential ground shaking based on a negligible seismic zone of 1. Seismic loading is regarded as secondary to the wind loading.

18. The site development plan signed and sealed by a professional engineer registered in Kentucky was prepared by David Sharp, and was designed from a survey performed by Mike McKinney. This site development plan is drawn to a scale of no less than one (1) inch equals 200 feet, and identifies every owner of real estate within 500 feet of the proposed tower (according to the Property Valuation Administrator) and is incorporated in the survey as part of **Exhibit 15**. Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is incorporated in the survey as part of **Exhibit 15**.

19. Shared Towers, on behalf of itself and the Provider, has notified every person who owns property within 500 feet of the proposed tower by certified mail, return receipt requested, of the proposed construction. Each property owner has been given the docket number under which the proposed Application will be processed and has 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 10** and part of **Exhibit 11**, respectively.

20. Shared Towers, on behalf of itself and the Provider, has notified the Russell County Judge Executive and the City of Jamestown Mayor by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the Judge Executive and the Mayor of his/her right to request intervention. A copy of these notices are attached as part

of **Exhibit 11**. Russell County has not registered for the right to regulate cell sites with the PSC.

21. 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. Copies of the postings are attached as **Exhibit 12**. The location of the proposed facility has been published in a newspaper of general circulation in the county where the WCF is located.

22. The area in which the WCF is to be constructed is not zoned as Russell County has no zoning ordinance in effect. The land surrounding the WCF is mixed commercial, agricultural, wooded and residential.

23. The process that was used in selecting the site for the proposed WCF by the Applicants' radio frequency engineers was consistent with the process used for selecting generally all other existing and proposed WCF facilities within the proposed network design area. Before beginning the acquisition process, the Applicants carefully evaluated the location of the required WCF for possible collocation opportunities on existing structures. Radio Frequency Engineers used computer programs to evaluate the most effective coverage design for facilitating collocation potential on the proposed tower. Shared Towers and the Provider's radio frequency engineers have combined their efforts in order to develop a highly efficient network that is designed to serve the Federal Communications Commission licensed territory without extending beyond the Provider's approved boundary. The engineers selected the optimum vicinity in terms of elevation and location to provide the best quality service to customers in the service area. A proposed coverage area was considered by the Applicants when searching for sites that would provide both (i) the

coverage deemed necessary by the Provider, and (ii) the coverage deemed necessary by Shared Towers to permit the integration of the proposed WCF into Shared Towers' overall network design. No suitable towers or existing structures were found in the immediate area which would meet the technical requirements for this element of the telecommunications network. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site, pursuant to radio frequency requirements, be located is attached as **Exhibit 13**.

24. A grid map showing the location of all existing cellular antenna towers that includes the general position of proposed construction sites for new cellular antenna towers within the Commission's jurisdiction and one-half mile outside the boundary of the planning unit's jurisdiction if that area contains either existing or proposed construction sites for cellular antenna towers is attached as **Exhibit 14**.

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:

David Jantzi (Consultant)  
Shared Towers KY, LLC  
7383 Utica Boulevard  
Lowville, NY 13367  
Telephone: (315) 523-6258

And

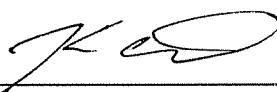
Kamal Doshi  
Shared Towers KY, LLC  
6501 Sandy Knoll Court  
McLean, Virginia 22101  
Telephone: (703) 893-0806

And

Timothy J. Duffy  
Chief Technical Officer / Senior Vice President  
Network Operations & Engineering  
American Cellular Corporation  
14201 Wireless Way  
Oklahoma City, OK 73134  
(405) 529-8660

**Wherefore**, the applicants respectfully request that the PSC accept the foregoing Application for filing and having met the requirements of KRS 278.020 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 for the respective networks in the commonwealth of Kentucky.

Respectfully submitted,



---

Kamal Doshi  
Shared Towers KY, LLC  
6501 Sandy Knoll Court  
McLean, Virginia 22101  
Telephone: (703) 893-0806

And

---

Timothy J. Duffy  
Chief Technical Officer / Senior Vice President  
Network Operations & Engineering  
American Cellular Corporation  
14201 Wireless Way  
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Respectfully submitted,

---

Kamal Doshi  
Shared Towers KY, LLC  
6501 Sandy Knoll Court  
McLean, Virginia 22101  
Telephone: (703) 893-0806

And



---

Timothy J. Duffy  
Chief Technical Officer / Senior Vice President  
Network Operations & Engineering  
American Cellular Corporation  
14201 Wireless Way  
Oklahoma City, OK 73134  
(405) 529-8660

## LIST OF EXHIBITS

- 1 - Certificate of Existence for Shared Towers,  
Certificate of Authorization, Certificate of Merger and FCC License for  
American Cellular
- 2 - Tower and Foundation Plan
- 3 - Competing Utilities, Corporations, or Persons List
- 4 - Collocation Report
- 5 - Application to FAA
- 6 - Application to Kentucky Airport Zoning Commission
- 7 - Geotechnical report
- 8 - Directions to WCF Site
- 9 - Copy of Real Estate Agreement
- 10 - Notification Listing
- 11 - Copy of Russell County Judge Executive Notice and  
Copy of City of Jamestown Mayor Notice and  
Copy of Property Owner Notification and  
Copy of Newspaper Advertisement
- 12 - Copy of Posting Notices
- 13 - Copy of Radio Frequency Design Search Area
- 14 - Tower Map for Russell County
- 15 - Site Development Plan:
  - Vicinity Map
  - Property Owner Listing
  - 500' Vicinity Map
  - Legal Descriptions
  - Flood Plain Certifications
  - Site Plan
  - Vertical Tower Profile





**EXHIBIT 1**  
**CERTIFICATE OF EXISTANCE FOR SHARED TOWERS,**  
**CERTIFICATE OF AUTHORIZATION, CERTIFICATE OF MERGER**  
**AND FCC LICENSE FOR AMERICAN CELLULAR**

**Commonwealth of Kentucky**  
**Trey Grayson**  
**Secretary of State**

**Certificate of Existence**

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,

SHARED TOWERS KY, LLC

is a limited liability company duly organized and existing under KRS Chapter 275, whose date of organization is January 26, 2005.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that articles of dissolution have not been filed; and that the most recent annual report required by KRS 275.190 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 11th day of May, 2005.

Certificate Number: 14347

Jurisdiction: Shared Towers KY, LLC

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to validate the authenticity of this certificate.



*Trey Grayson*

Trey Grayson  
Secretary of State  
Commonwealth of Kentucky  
14347/0604459

**Commonwealth of Kentucky**  
**Trey Grayson**  
**Secretary of State**

**Certificate of Authorization**

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,

**AMERICAN CELLULAR CORPORATION**

, 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 January 20, 2004.

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.

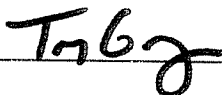
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 12th day of May, 2005.

Certificate Number: 14355

Jurisdiction: American Cellular Corporation

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to validate the authenticity of this certificate.



  
\_\_\_\_\_  
Trey Grayson  
Secretary of State  
Commonwealth of Kentucky  
14355/0576718

# Delaware

PAGE 1

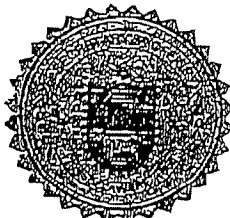
*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"ACC OF KENTUCKY LLC", A DELAWARE LIMITED LIABILITY COMPANY, WITH AND INTO "AMERICAN CELLULAR CORPORATION" UNDER THE NAME OF "AMERICAN CELLULAR CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2003, AT 10:30 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2003, AT 11:30 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

2222565 8100M

030845574

AUTHENTICATION: 2856461

DATE: 01-07-04

# CellularONE

124 S. Keeneland Drive Richmond, KY 40475

859-544-4802

859-544-5858 FAX

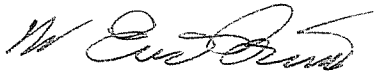
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May 24, 2005

To Whom it May Concern:

This letter will serve as our assurance that, in compliance with our FCC license KNKN-666, the proposed site, as with all our sites, will be designed, constructed, and operated in accordance with all applicable FCC rules and regulations.

Sincerely,



W. Eric Broviak  
Regional Rf Engineering Manager

Federal Communications Commission  
Wireless Telecommunications Bureau  
Radio Station Authorization

LICENSEE NAME: American Cellular Corporation

RONALD L. RIPLEY  
AMERICAN CELLULAR CORPORATION  
14201 WIRELESS WAY  
OKLAHOMA CITY OK 73134

|   |                           |
|---|---------------------------|
| FCC Registration Number (FRN)<br>0003767324 |                           |
| Call Sign<br>KNKN940                        | File Number<br>0001571120 |
| Radio Service<br>CL - Cellular              |                           |
| Market Number<br>CMA448                     | Channel Block<br>A        |
| Sub-Market Designator<br>0                  |                           |

|                                     |
|-------------------------------------|
| Market Name<br>Kentucky 6 - Madison |
|-------------------------------------|

| Grant Date | Effective Date | Expiration Date | Five Yr Build-Out Date | Print Date |
|------------|----------------|-----------------|------------------------|------------|
| 11-28-2000 | 01-07-2004     | 10-01-2010      |                        | 01-14-2004 |

SITE INFORMATION

|            |   |               |                              |                                  |                                       |
|------------|---|---------------|------------------------------|----------------------------------|---------------------------------------|
| Location   | Latitude  | Longitude     | Ground Elevation<br>(meters) | Structure Hgt to Tip<br>(meters) | Antenna Structure<br>Registration No. |
| 1          | 037-42-55.3 N   | 084-16-14.8 W |                              |                                  |                                       |
| Address    | WEST OF US-25 1.2 MILES SOUTH OF INTERSECTION OF US-25 & SR-876 |               |                              |                                  |                                       |
| City       | County  | State         | Construction Deadline        |                                  |                                       |
| FRITCHMOND | MADISON   | KY            |                              |                                  |                                       |

|                            |                           |         |         |         |        |        |         |         |         |
|----------------------------|---------------------------|---------|---------|---------|--------|--------|---------|---------|---------|
| Antenna: 1                 | Azimuth (from true north) | 0       | 45      | 90      | 135    | 180    | 225     | 270     | 315     |
| Antenna Height AAT(meters) |                           | 137.000 | 130.000 | 127.000 | 93.000 | 96.000 | 102.000 | 124.000 | 114.000 |
| Transmitting ERP(watts)    |                           | 74.000  | 74.000  | 74.000  | 74.000 | 74.000 | 74.000  | 74.000  | 74.000  |

|          |                            |               |                              |                                  |                                       |
|----------|----------------------------|---------------|------------------------------|----------------------------------|---------------------------------------|
| Location | Latitude                   | Longitude     | Ground Elevation<br>(meters) | Structure Hgt to Tip<br>(meters) | Antenna Structure<br>Registration No. |
| 2        | 037-25-40.3 N              | 084-21-51.8 W |                              |                                  |                                       |
| Address  | ON LEAR KN0B 3 MILES NW OF |               |                              |                                  |                                       |
| City     | County                     | State         | Construction Deadline        |                                  |                                       |
| BRODHEAD | ROCKCASTLE                 | KY            |                              |                                  |                                       |

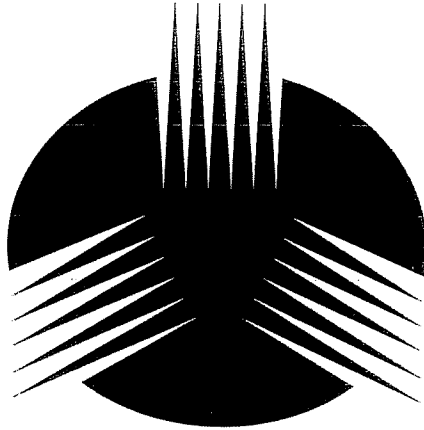
|            |                           |   |    |    |     |     |     |     |     |
|------------|---------------------------|---|----|----|-----|-----|-----|-----|-----|
| Antenna: 1 | Azimuth (from true north) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
|------------|---------------------------|---|----|----|-----|-----|-----|-----|-----|

**Conditions:**  
Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in all respects to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 606.





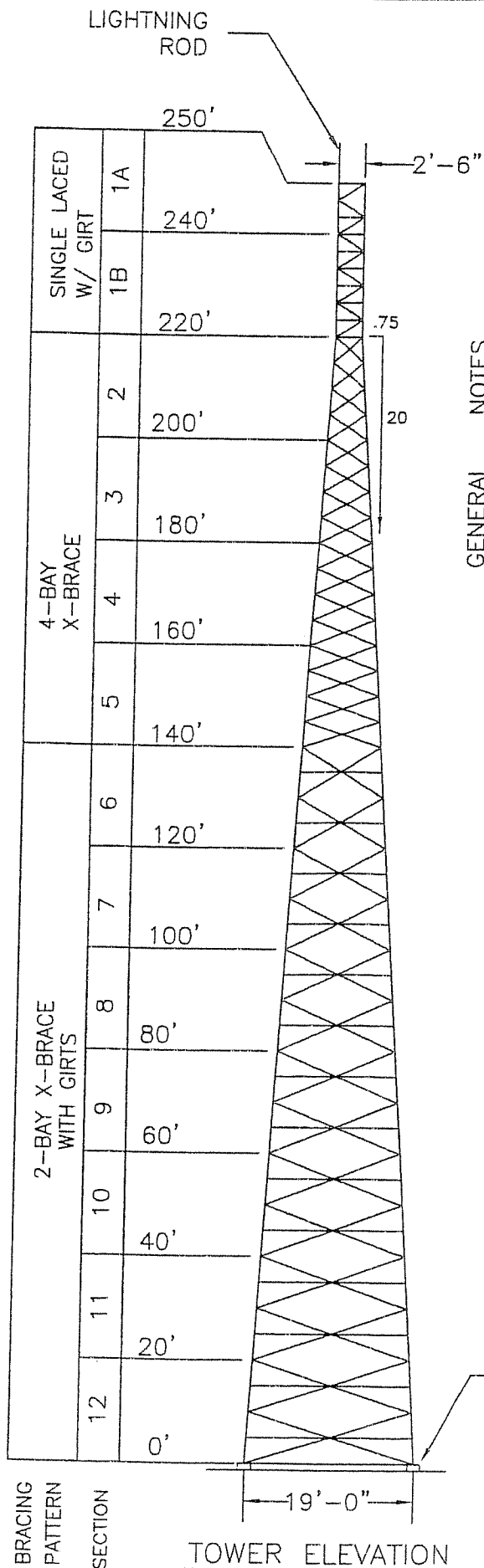
**EXHIBIT 2**  
**TOWER AND FOUNDATION DESIGN**



**WORLD TOWER**  
COMPANY, INC.

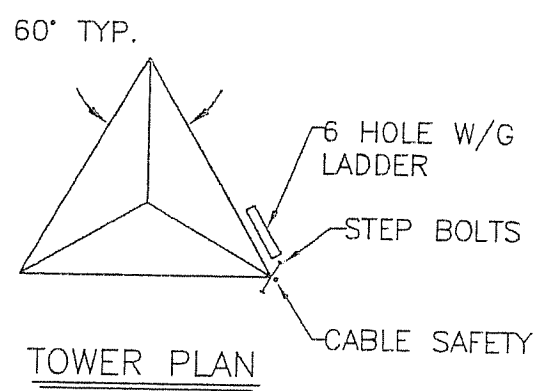
*1213 Compressor Drive  
P.O. Box 508  
Mayfield, KY 42066  
270.247.3642  
Fax: 270.247.0909  
worldtower@worldtower.com  
www.worldtower.com*

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

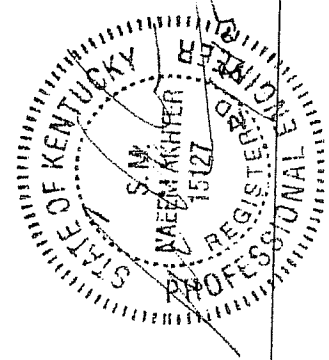


**GENERAL NOTES**

1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOAD AND MEET THE PROVISIONS OF TIA/EIA-222-F FOR A 70 MPH BASIC WIND SPEED WITH NO ICE OR 61 MPH WITH 1/2" ICE.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
3. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
4. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
5. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR STRUCTURAL ANGLE.
6. ALL STRUCTURAL BOLTS ARE ASTM A325.
7. TOWER IS DESIGNED FOR 6 LINES EXPOSED TO THE WIND ON ONE FACE.
8. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA/EIA-222-F EVERY 5 YEARS.
9. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.
10. STEP BOLTS PROVIDED ON ONE LEG FROM 60' TO 250' AND 3 LEGS FROM 0' TO 60'.
11. CABLE SAFETY 5'-250'.
12. WAVE/GUIDE LADDER 10'-220'.
13. WAVE/GUIDE CLIPS 220'-250'.



| BASE REACTIONS |         |          |
|----------------|---------|----------|
| OTM:           | 2546.19 | FT. KIPS |
| COMP.          | 166.73  | KIPS     |
| UPLIFT         | 142.76  | KIPS     |
| SHEAR          | 20.02   | KIPS     |
| WT.            | 35.95   | KIPS     |



**WORLD TOWER**

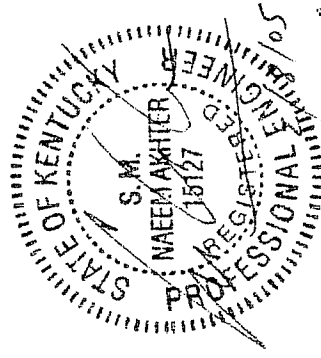
TITLE: 250' MODEL WSST TOWER

R1 TOWER HEIGHT WAS 280' WDU 12-15-04

SCALE NONE DWG. NO. Q04574 R1

FILE CRD. JCO DATE 10-11-04

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



| ANTENNA LOADING |                                      |
|-----------------|--------------------------------------|
| ELEV.           | DESCRIPTION                          |
| 250'            | 3- DB224 ANTENNAS ON 3- 4' SIDE ARMS |
| 220'            | 3- DB224 ANTENNAS ON 3- 4' SIDE ARMS |
|                 | LINE                                 |
|                 | 3- 7/8"                              |
|                 | 3- 7/8"                              |

R1 TOWER HEIGHT WAS 280' WDU 12-15-04

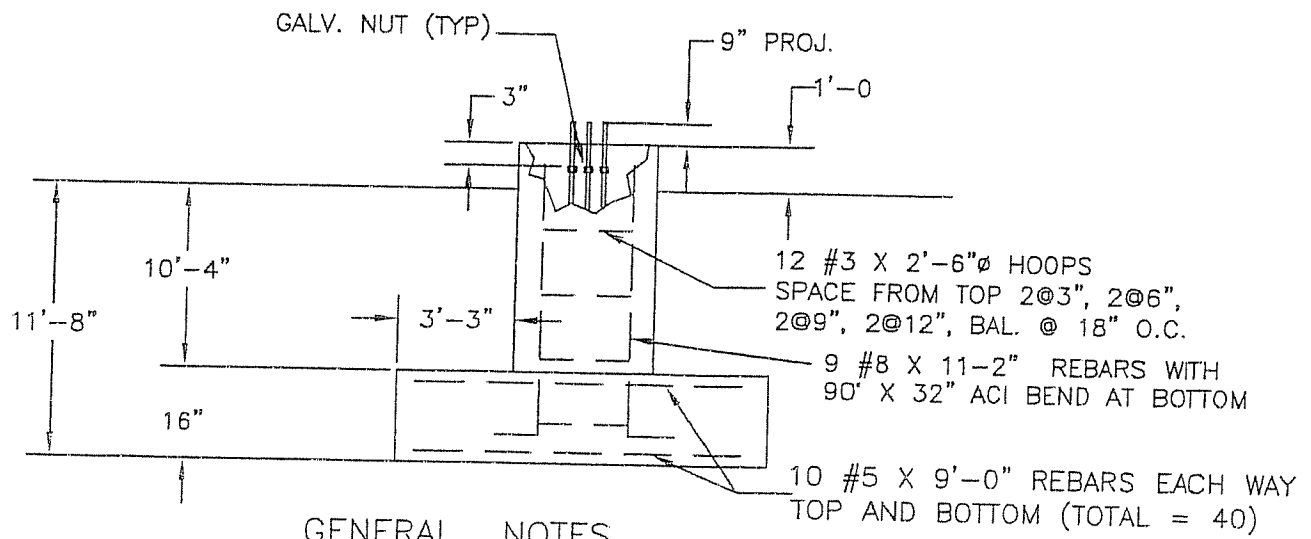
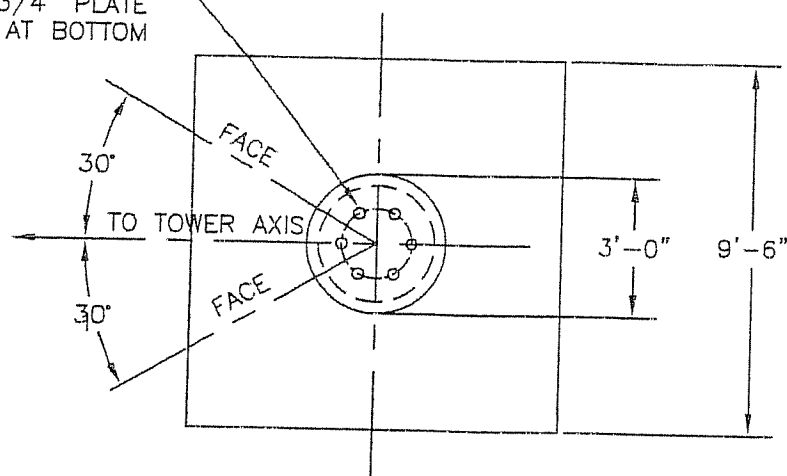
# WORLD TOWER

TITLE: 250' MODEL WSST TOWER

SCALE NONE PWIN WDU CKD: *PCD* DATE 10-11-04  
 FILE DWG. NO. Q04574T R1

ANCHOR BOLTS 6 (18 TOTAL)  
 1" DIA. X 6'-6" LONG  
 EQUALLY SPACED WITH  
 EMBEDDED 3/4" PLATE  
 AT BOTTOM

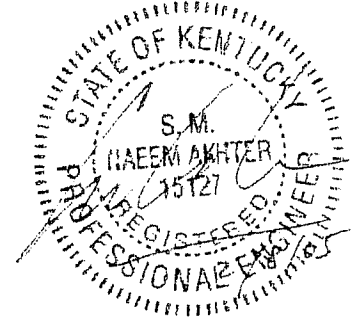
7.5 CU. YDS.  
 CONCRETE REQ'D.  
 PER PIER TOTAL  
 22.5 CU. YDS.



**GENERAL NOTES**

1. CONCRETE TO HAVE 3000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER PROVIDED SOIL REPORT PROJECT NO. 48178 BY EARTH SCIENCE ENGINEERING, LLC.
5. ANCHOR BOLTS ARE ASTM A449.

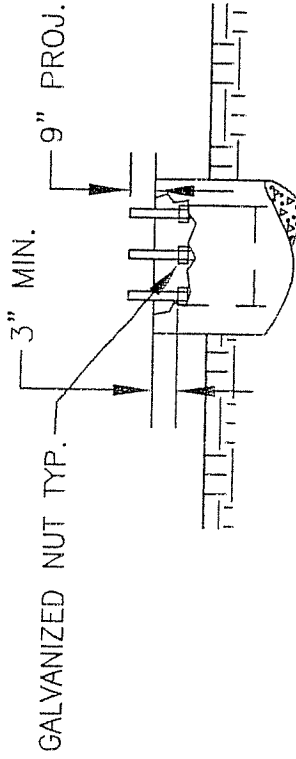
| REACTIONS   |                     |
|-------------|---------------------|
| O.T. MOMENT | 2546.19 FOOT KIPS   |
| SHEAR       | 20.02 KIPS (3 LEGS) |
| COMP.       | 166.73 KIPS         |
| UPLIFT      | 142.76 KIPS         |
| TOWER WT    | 35.95 KIPS          |



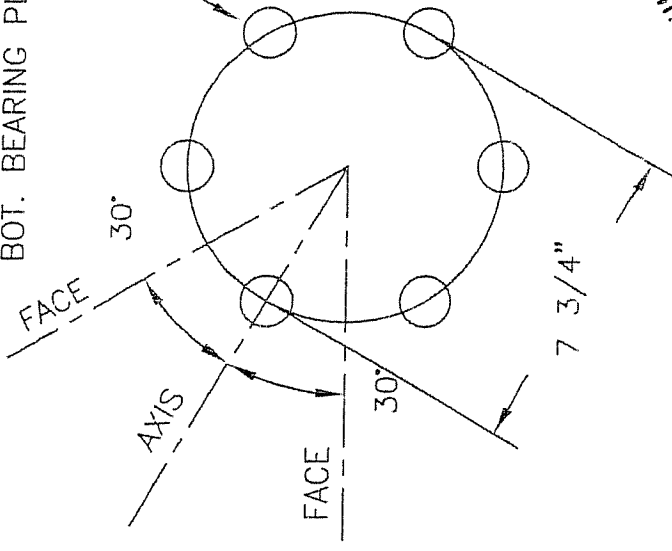
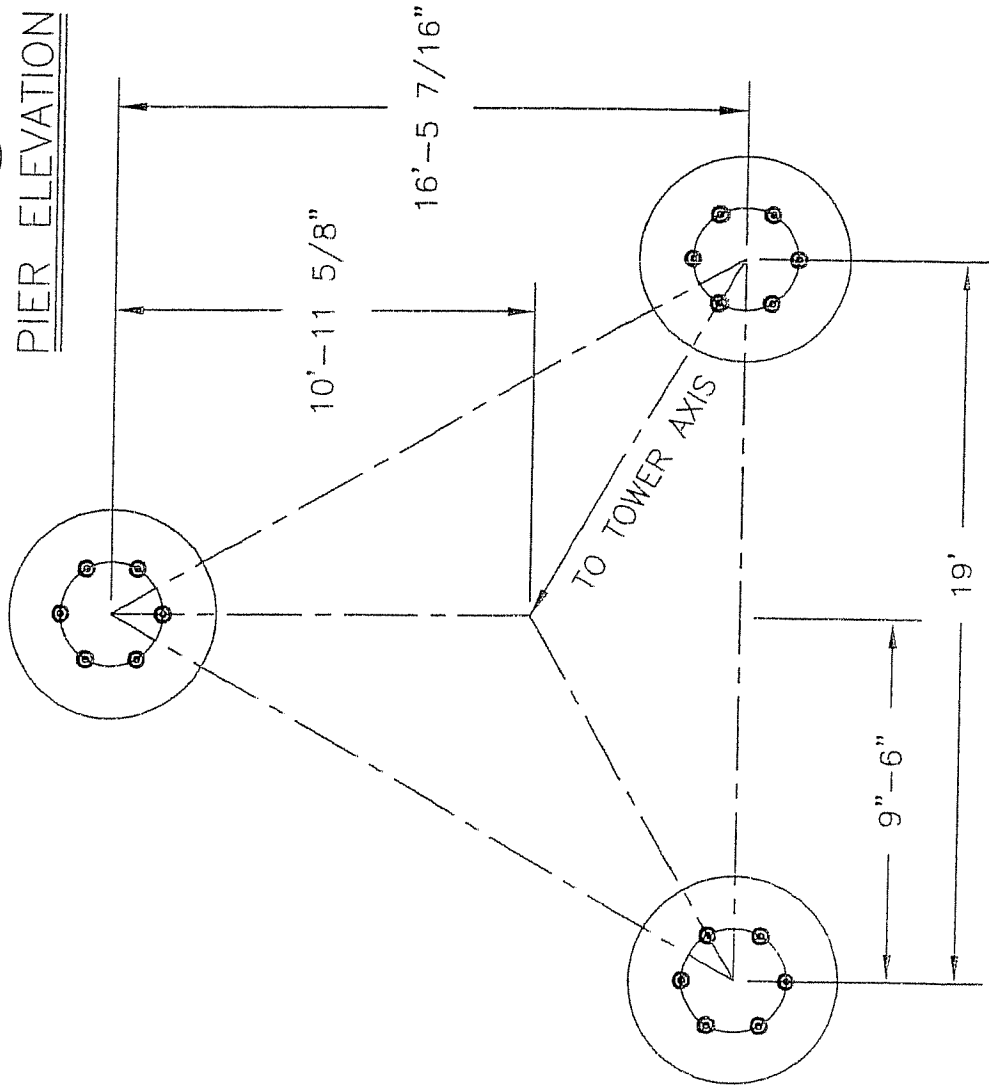
TITLE: FOUNDATION DETAILS

**WORLD TOWER**

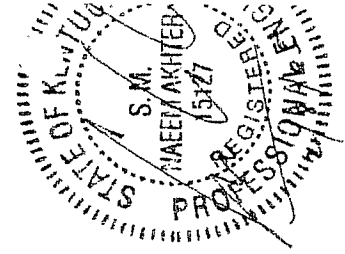
|       |      |      |     |          |         |          |
|-------|------|------|-----|----------|---------|----------|
| SCALE | NONE | DWN. | JCD | CKD.     | DATE    | 12-28-04 |
| FILE  |      |      |     | DWG. NO. | Q04574F |          |



ANCHOR BOLTS  
(6) 1"  $\phi$  X 78"  
EQUALLY SPACED  
ON A 7 3/4" DIA.  
BOLT CIRCLE WITH  
TOP TEMPLATE AND  
BOT. BEARING PLATE

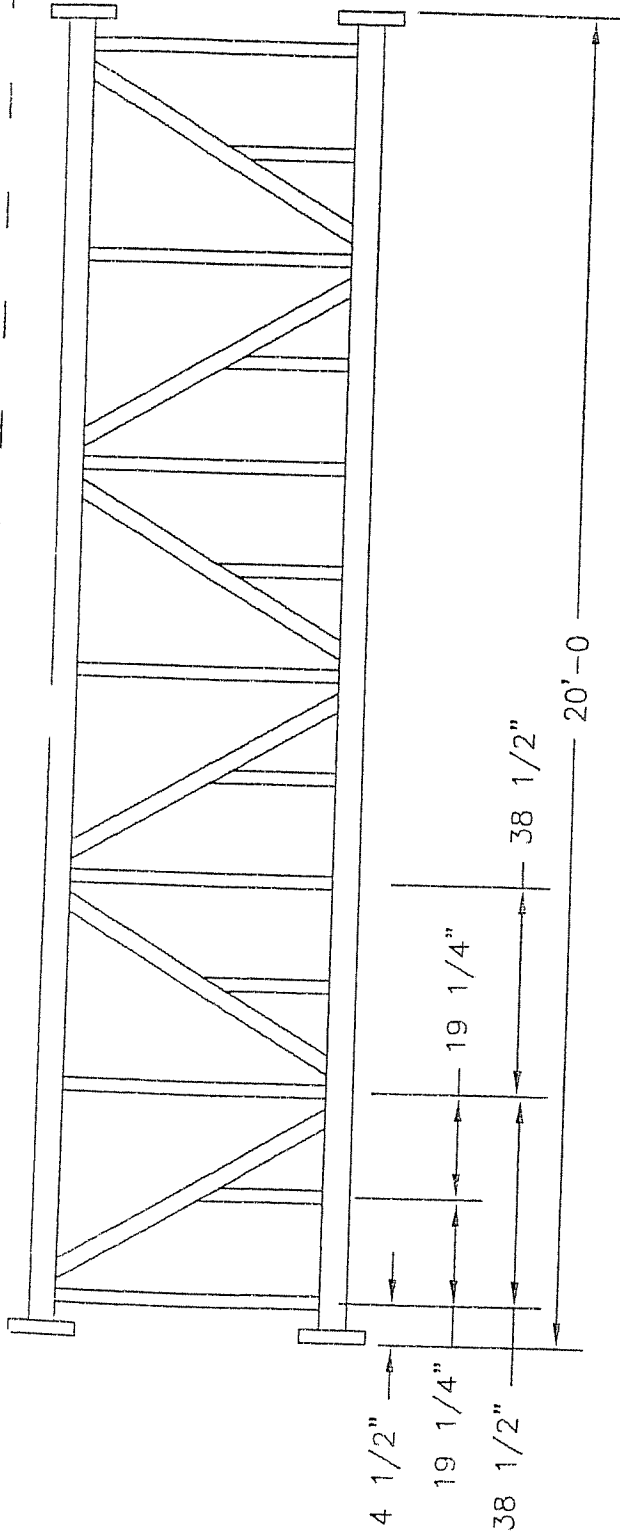


| REACTIONS   |                     |
|-------------|---------------------|
| O.T. MOMENT | 2546.19 FOOT KIPS   |
| SHEAR       | 20.02 KIPS (3 LEGS) |
| COMP.       | 166.73 KIPS         |
| UPLIFT      | 142.76 KIPS         |
| TOWER WT    | 35.95 KIPS          |

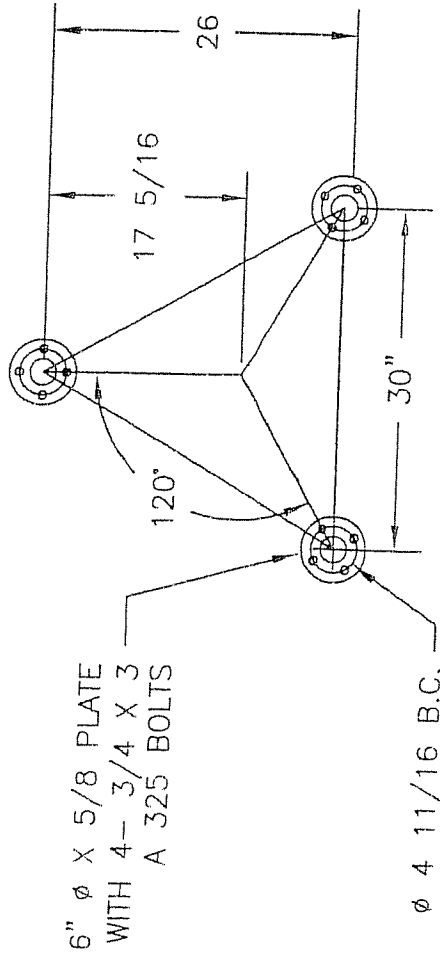


TITLE: ANCHOR BOLT LAYOUT  
250' WSST TOWER

# WORLD TOWER



ELEVATION



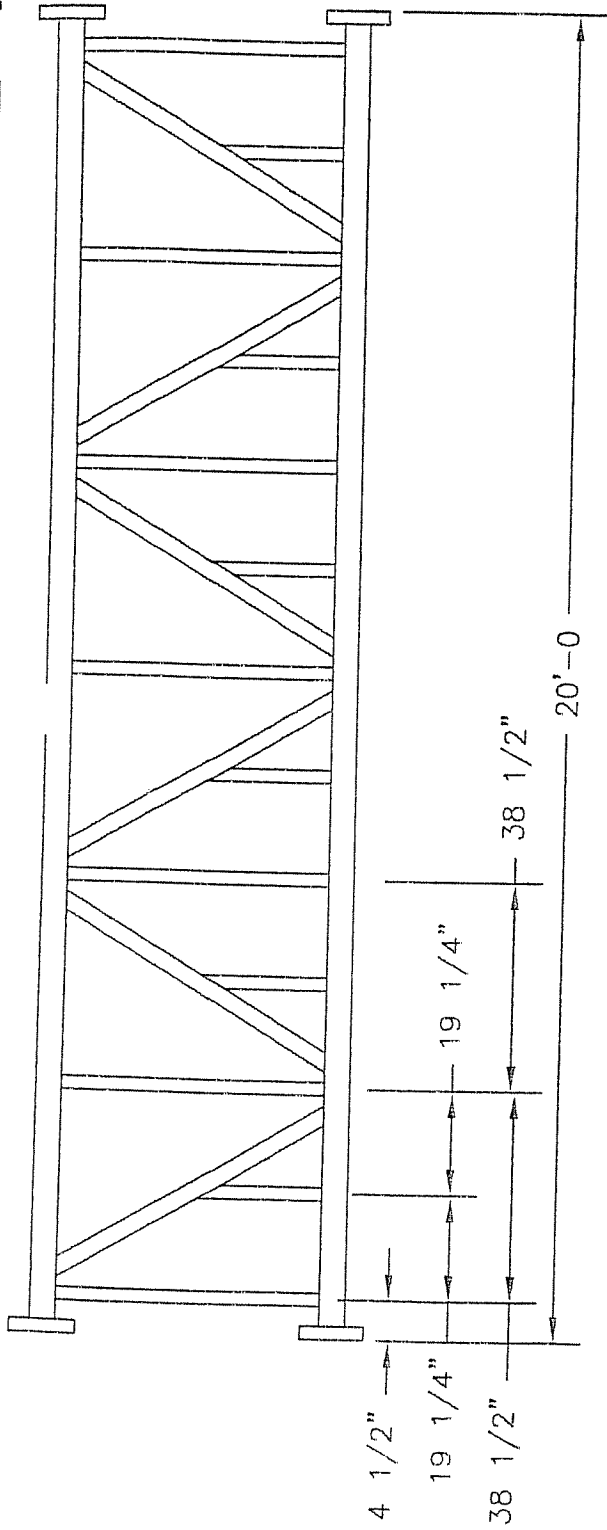
SECTION PLAN

TITLE:

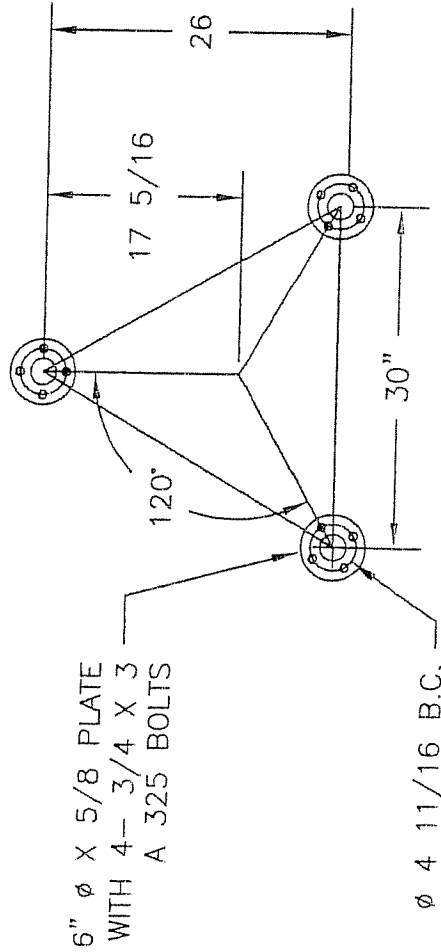
TYPE 30UCS TOWER  
SECTION DETAILS

WORLD TOWER

|       |      |      |     |      |               |      |          |
|-------|------|------|-----|------|---------------|------|----------|
| SCALE | NONE | DWN. | WDU | CKD. | <i>l. Qae</i> | DATE | 10-16-98 |
| FILE  |      |      |     |      |               |      |          |



ELEVATION



SECTION PLAN

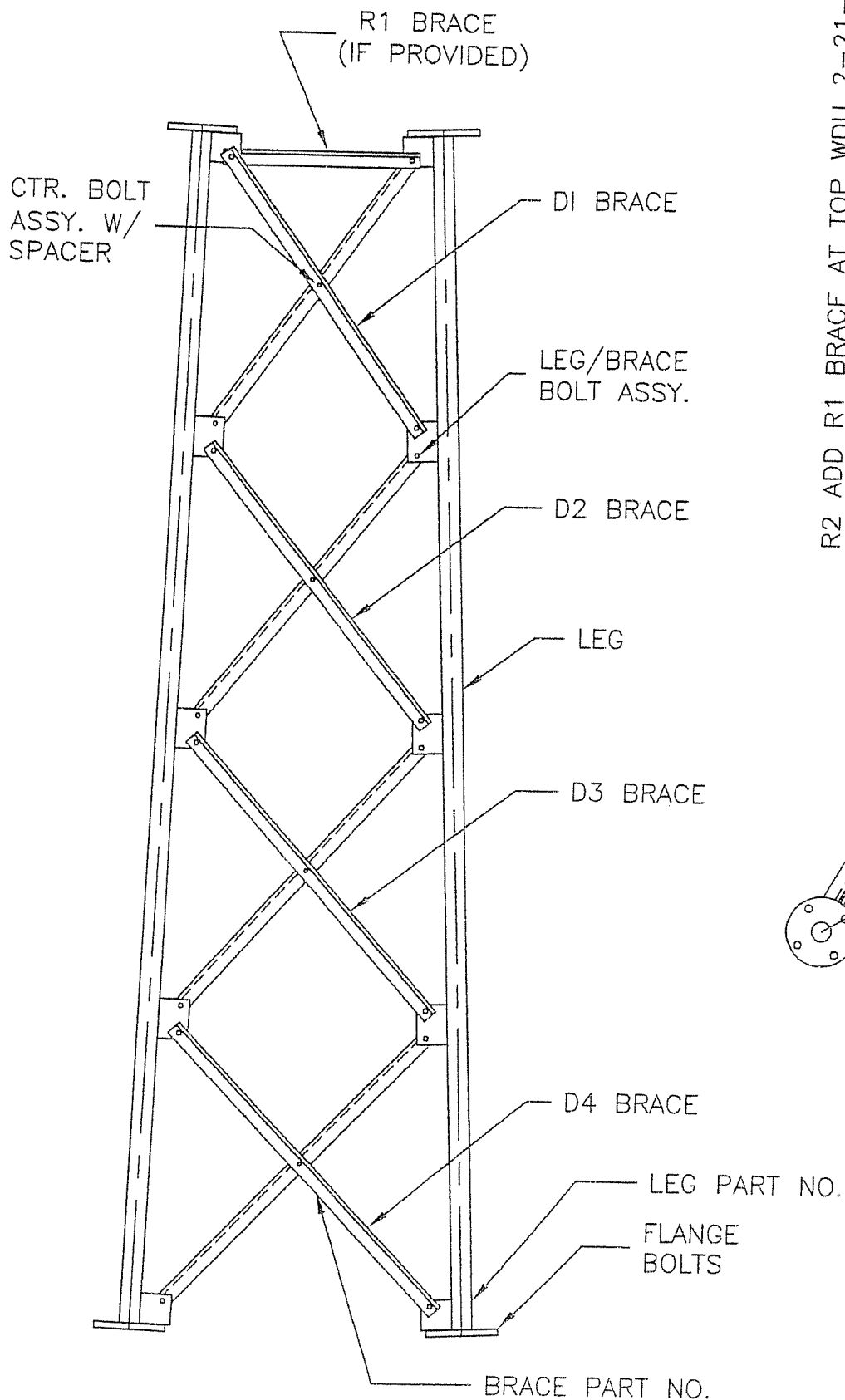
TITLE:

TYPE 30UCS TOWER  
SECTION DETAILS

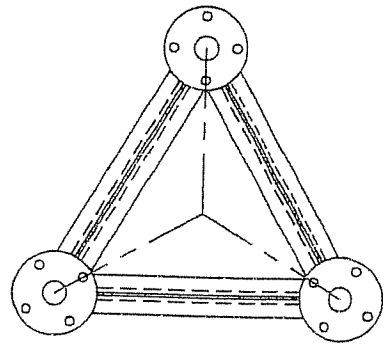
WORLD TOWER

|       |      |      |     |      |     |          |           |
|-------|------|------|-----|------|-----|----------|-----------|
| SCALE | NONE | DWN. | WDU | CKD. | WDe | DATE     | 10-16-98  |
| FILE  |      |      |     |      |     | DWG. NO. | ACC 74100 |





ELEVATION



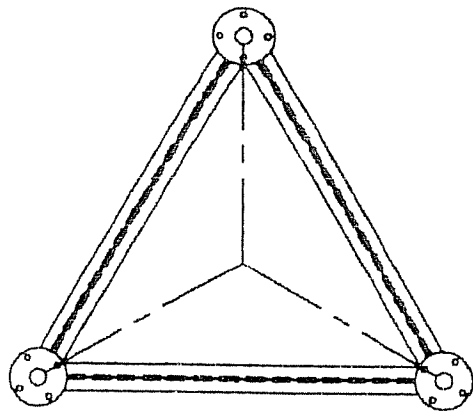
PLAN

R2 ADD R1 BRACE AT TOP WDU 2-21-03

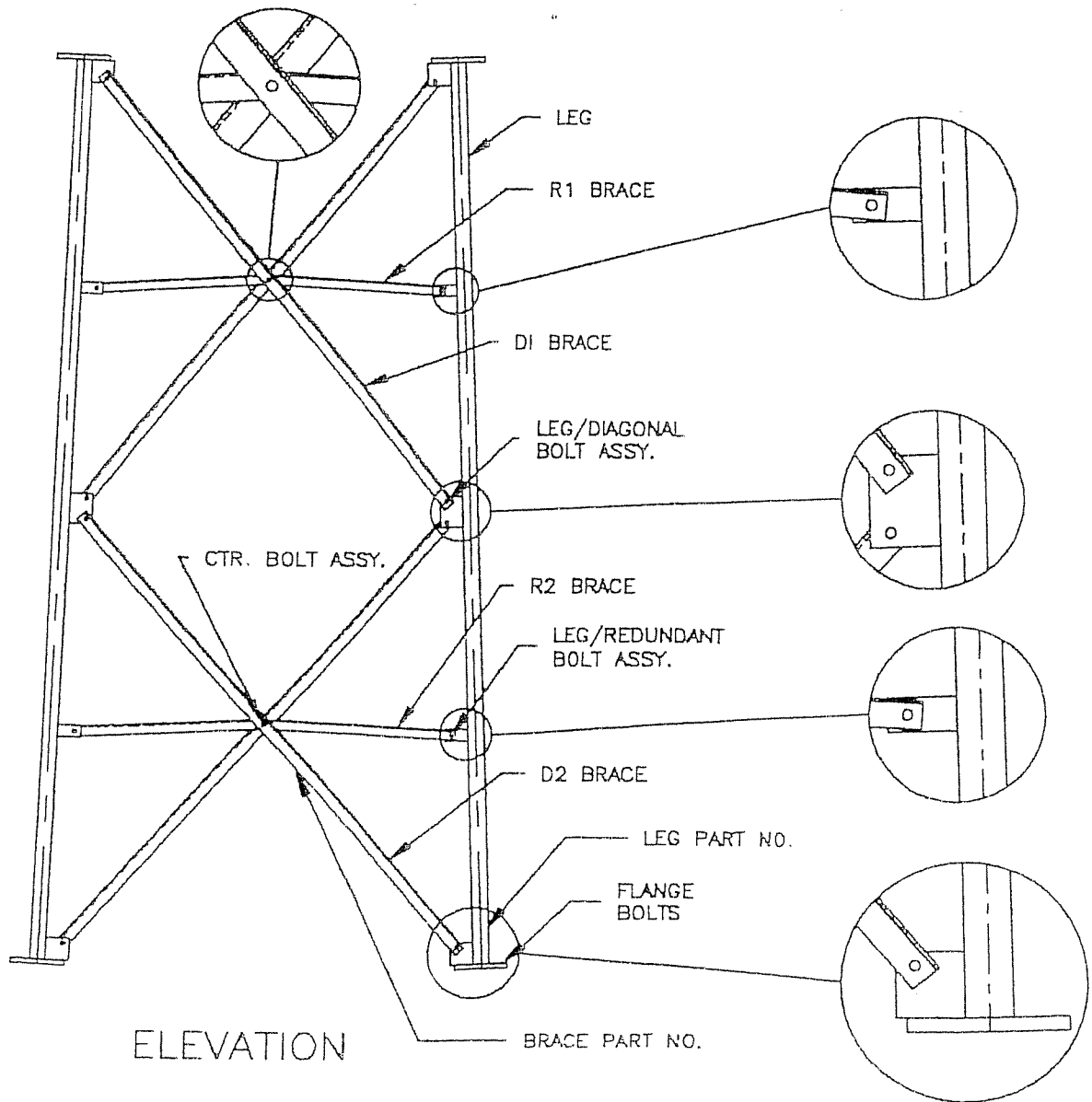
# WORLD TOWER

TITLE: BRACING DETAILS  
X-BRACED SECTIONS

|          |      |      |     |      |           |
|----------|------|------|-----|------|-----------|
| SCALE    | NONE | DWN. | WDU | CKD. | DATE      |
| FILE     |      |      |     |      | 4-12-99   |
| DWG. NO. |      |      |     |      | WSST02 R2 |



PLAN



ELEVATION

ADD PART NO. LOCATIONS 1/25/00 TB

# WORLD TOWER

TITLE: BRACING DETAILS  
 X-BRACED SECTIONS  
 WITH LEG REDUNDANTS

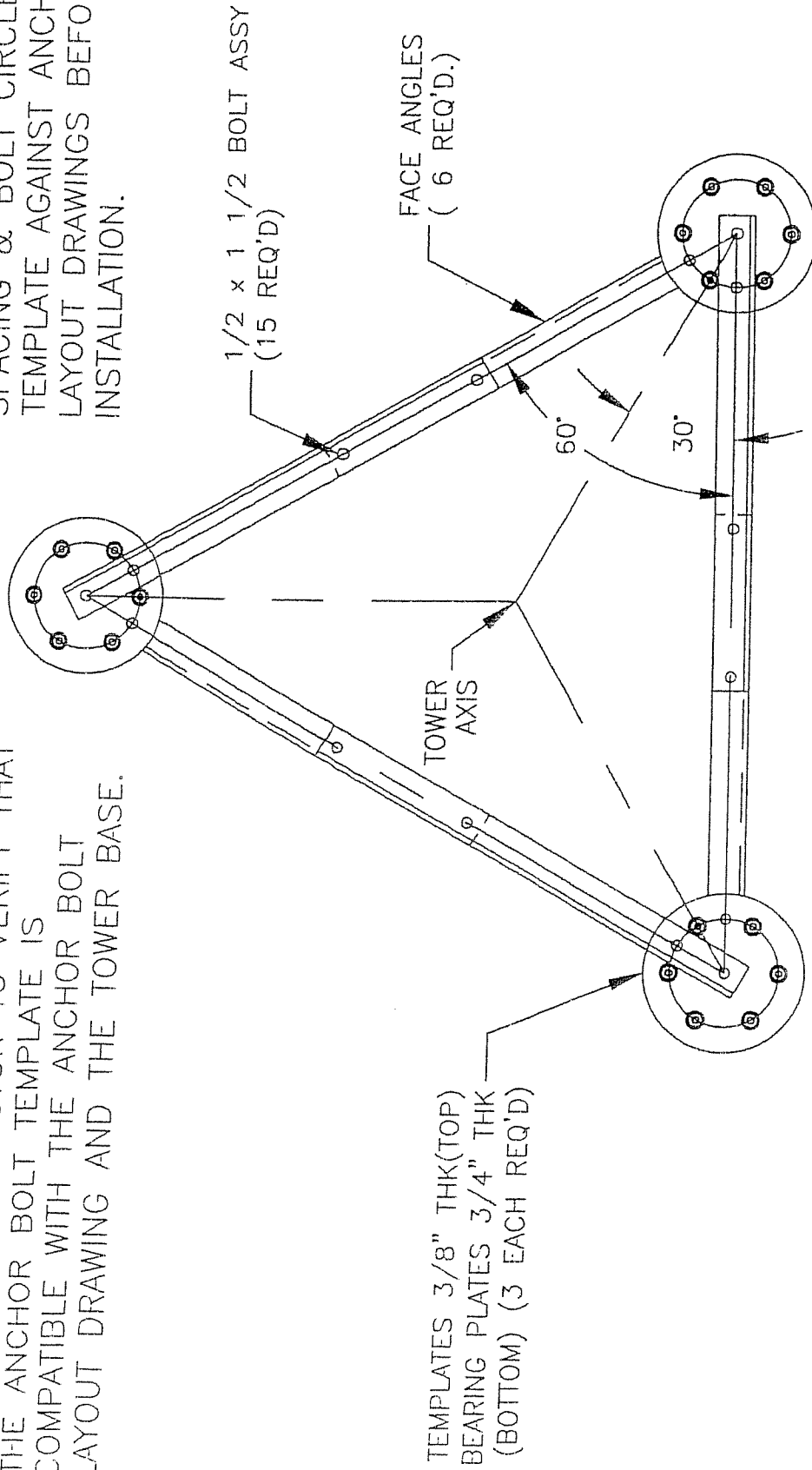
|       |      |      |     |      |     |          |         |
|-------|------|------|-----|------|-----|----------|---------|
| SCALE | NONE | DWN. | WDU | CKD. | WCC | DATE     | 4-12-99 |
| FILE  |      |      |     |      |     | DWG. NO. | WSST03  |

NOTE

IT IS THE RESPONSIBILITY OF THE FOUNDATION CONTRACTOR TO VERIFY THAT THE ANCHOR BOLT TEMPLATE IS COMPATIBLE WITH THE ANCHOR BOLT LAYOUT DRAWING AND THE TOWER BASE.

NOTE

CHECK ANCHOR BOLT SIZE, NO., SPACING & BOLT CIRCLE DIA. ON TEMPLATE AGAINST ANCHOR BOLT LAYOUT DRAWINGS BEFORE INSTALLATION.



TITLE:

ANCHOR BOLT TEMPLATE ASSY  
SST TOWER  
(6 BOLT)

**WORLD TOWER**

SCALE NONE

DWN.

KRC

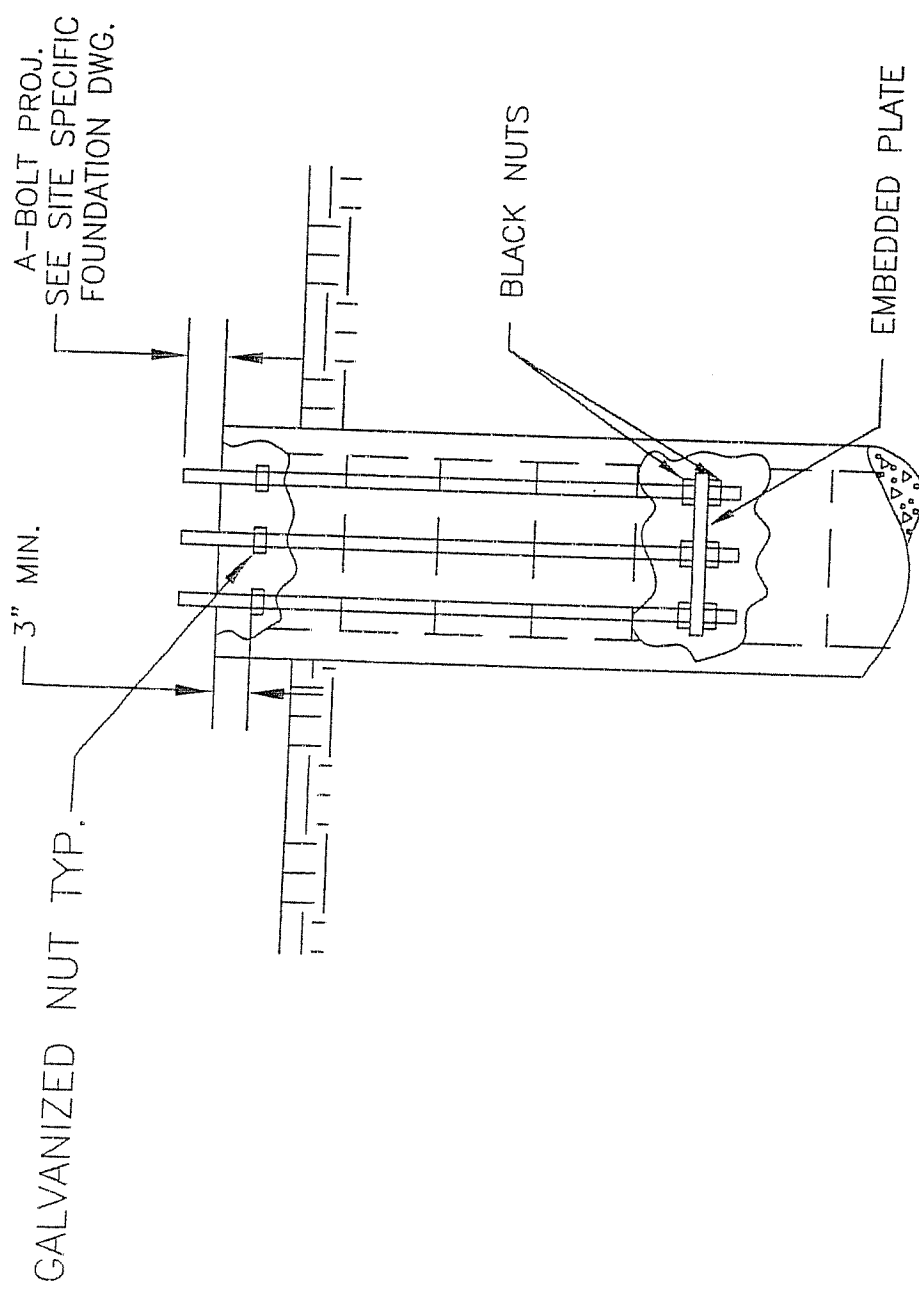
CKD.

DATE

4/19/0

FILE

DWG. NO. A01074



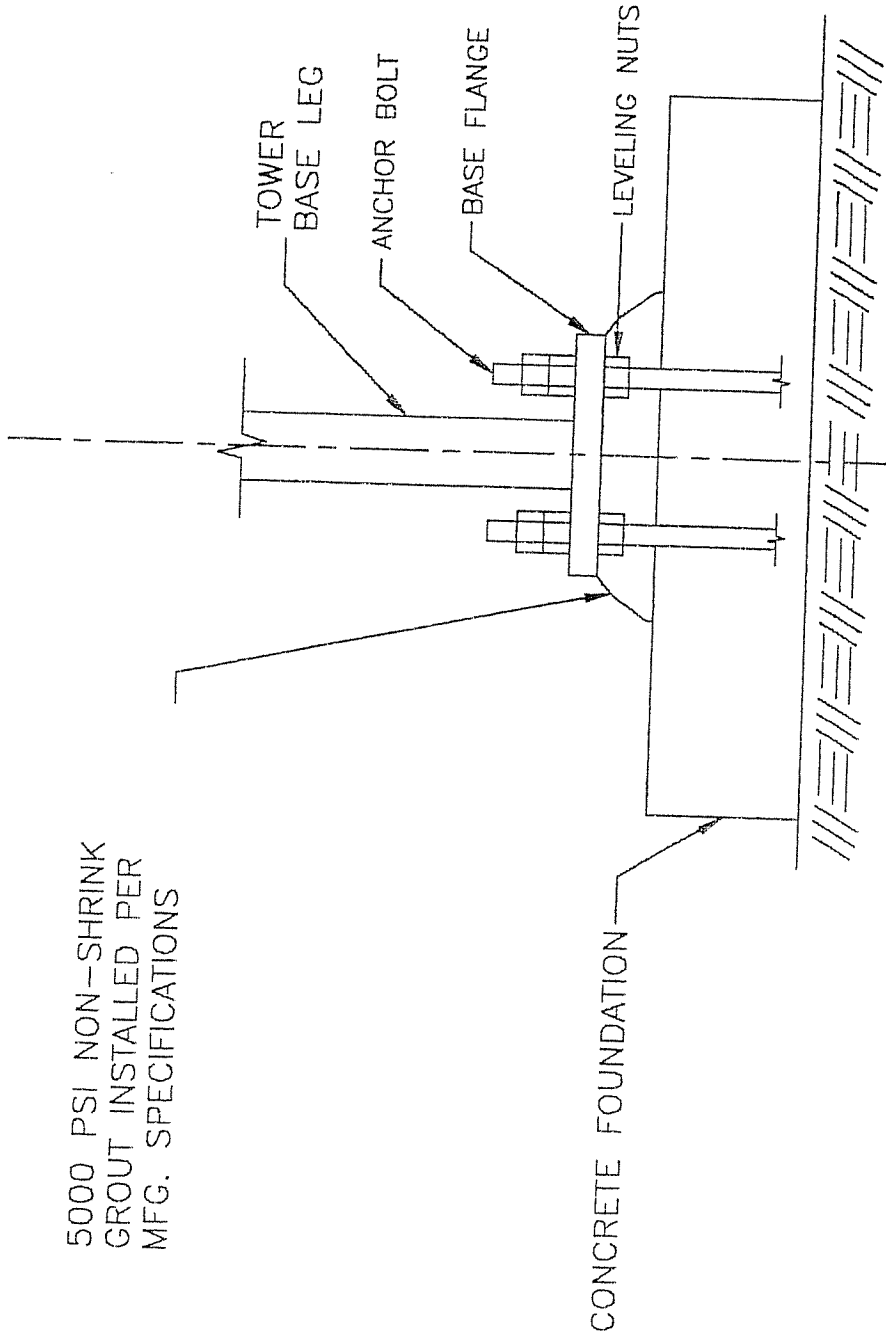
PIER ELEVATION

TITLE: ANCHOR BOLT INSTALLATION  
ALL WSST TOWERS

**WORLD TOWER**

|       |      |      |     |      |     |      |         |
|-------|------|------|-----|------|-----|------|---------|
| SCALE | NONE | DWN. | WDU | CKD. | SCD | DATE | 2-19-04 |
| FILE  |      |      |     |      |     |      |         |

5000 PSI NON-SHRINK  
GROUT INSTALLED PER  
MFG. SPECIFICATIONS

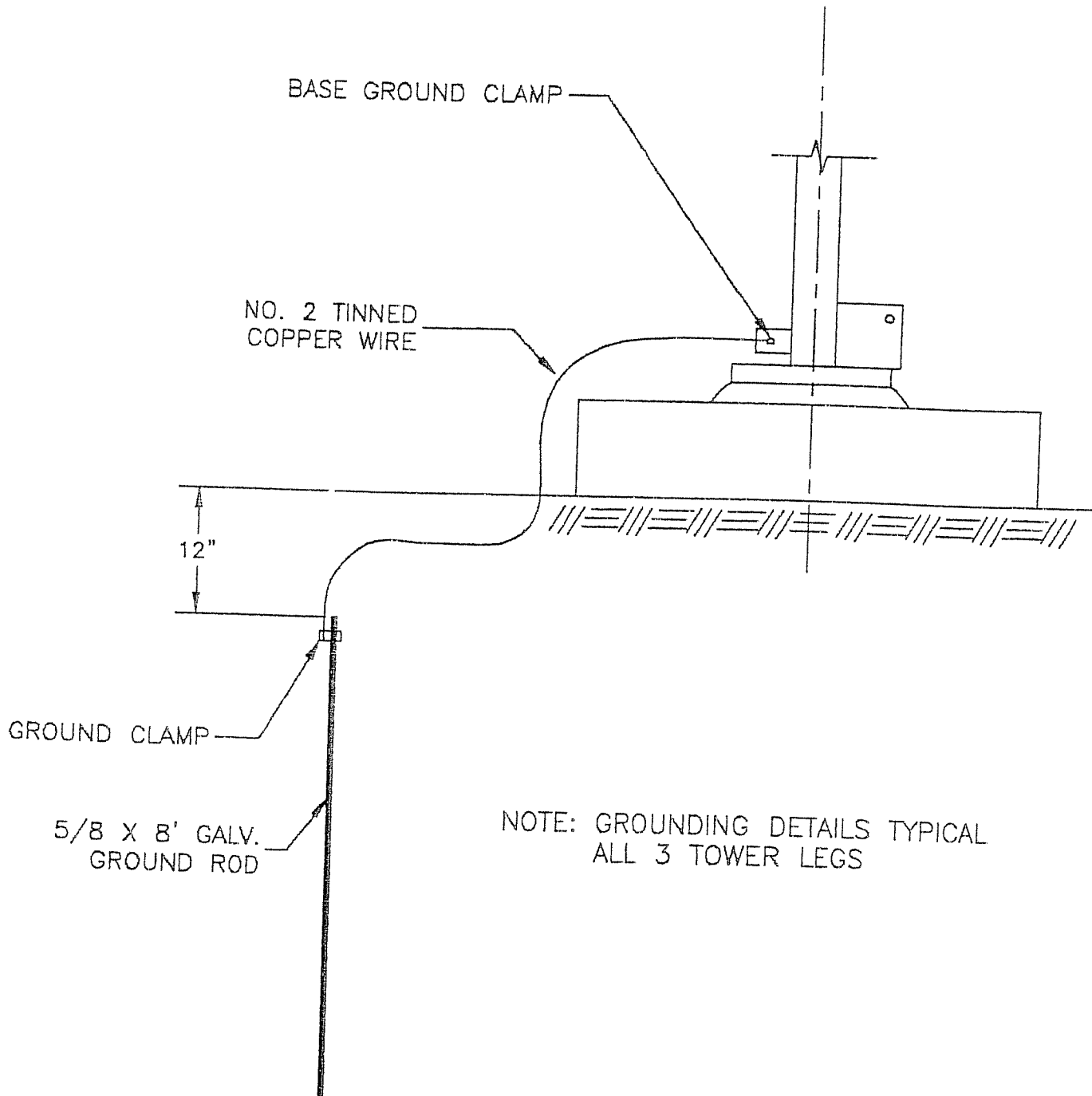


TITLE:

BASE GROUTING DETAILS  
FOR WSST TOWER

# WORLD TOWER

|       |                 |      |     |      |        |      |         |
|-------|-----------------|------|-----|------|--------|------|---------|
| SCALE | NONE            | DWN. | WDU | CKD. | id:dlc | DATE | 7-15-99 |
| FILE  | DWG. NO. A99053 |      |     |      |        |      |         |

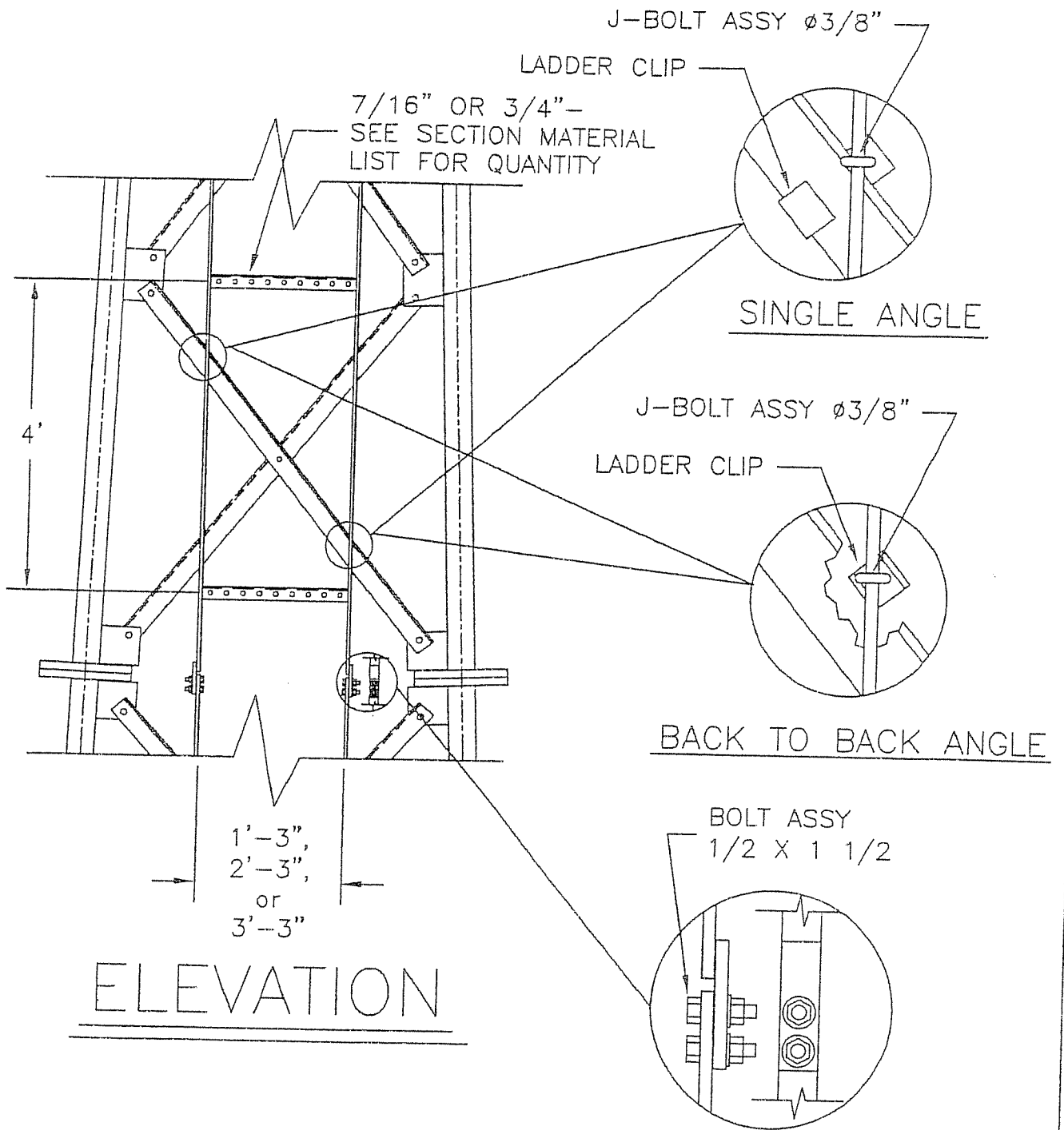


NOTE: GROUNDING DETAILS TYPICAL  
ALL 3 TOWER LEGS

EIA BASE  
GROUNDING DETAILS  
FOR WSST TOWER

# WORLD TOWER

|       |      |      |     |          |        |      |         |
|-------|------|------|-----|----------|--------|------|---------|
| SCALE | NONE | DWN. | WDU | CKD.     | WJG    | DATE | 7-15-99 |
| FILE  |      |      |     | DWG. NO. | A99052 |      |         |



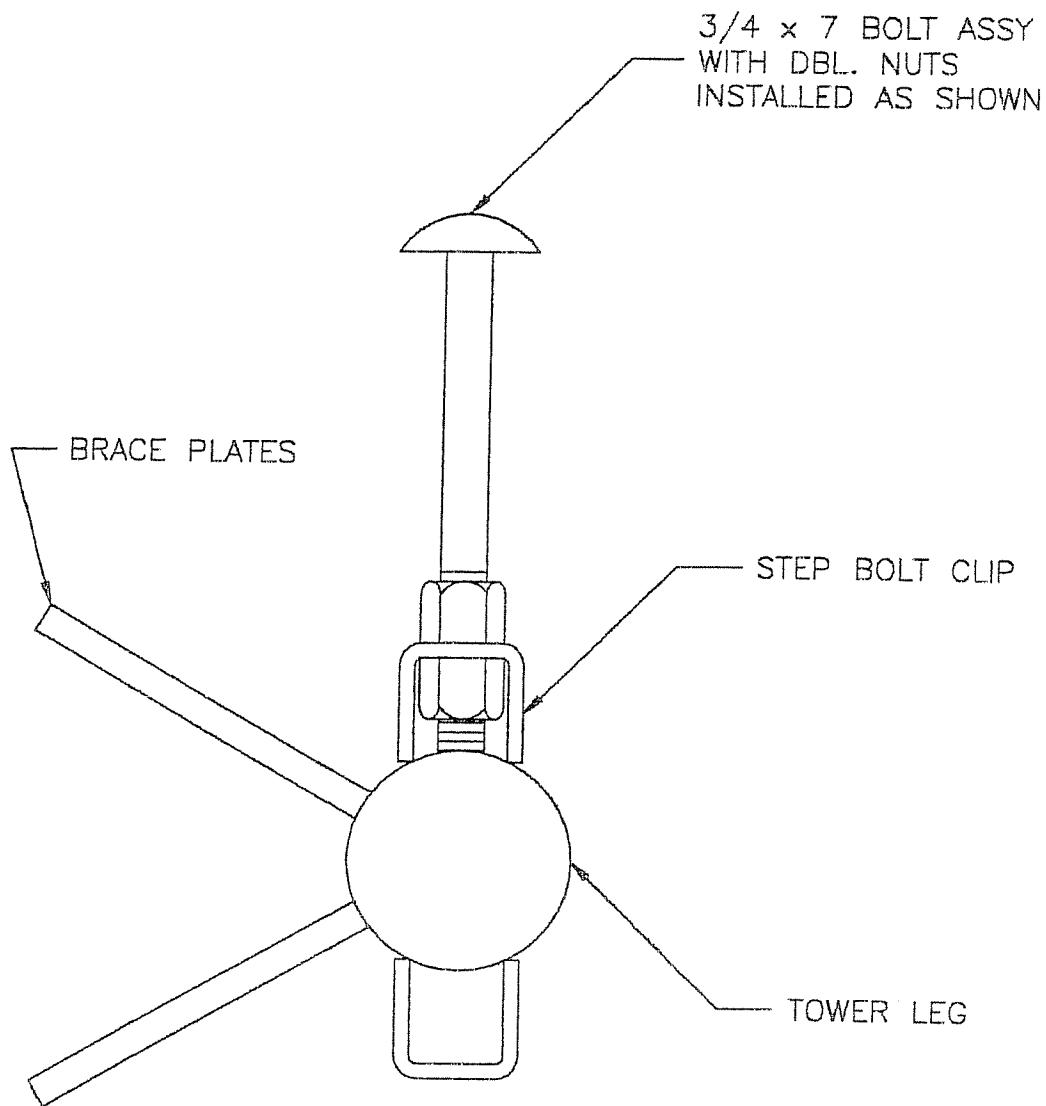
NOTE: WAVEGUIDE LADDER POSITION MUST BE ADJUSTED  
LATERALLY TO BE COMPATIBLE WITH LADDER  
POSITION AND TOWER FACE WIDTH.  
LADDER CLIPS TO BE INSTALLED ON 10' CENTERS  
AND ON THE HORIZONTAL GIRT AT THE TOP OF THE TOWER.

R6 REVISED TO SHOW 1'-3" LADDER WIDTH JCD 9/20/04

TITLE:  
WAVEGUIDE LADDER ASSY  
SST TOWER  
OUTSIDE FACE MOUNTED

**WORLD TOWER**

|       |      |      |     |                |           |        |
|-------|------|------|-----|----------------|-----------|--------|
| SCALE | NONE | DWN. | WDU | CKD. <i>WU</i> | DATE      | 6-6-99 |
| FILE  |      |      |     | DWG. NO.       | A99042 R6 |        |



TITLE:

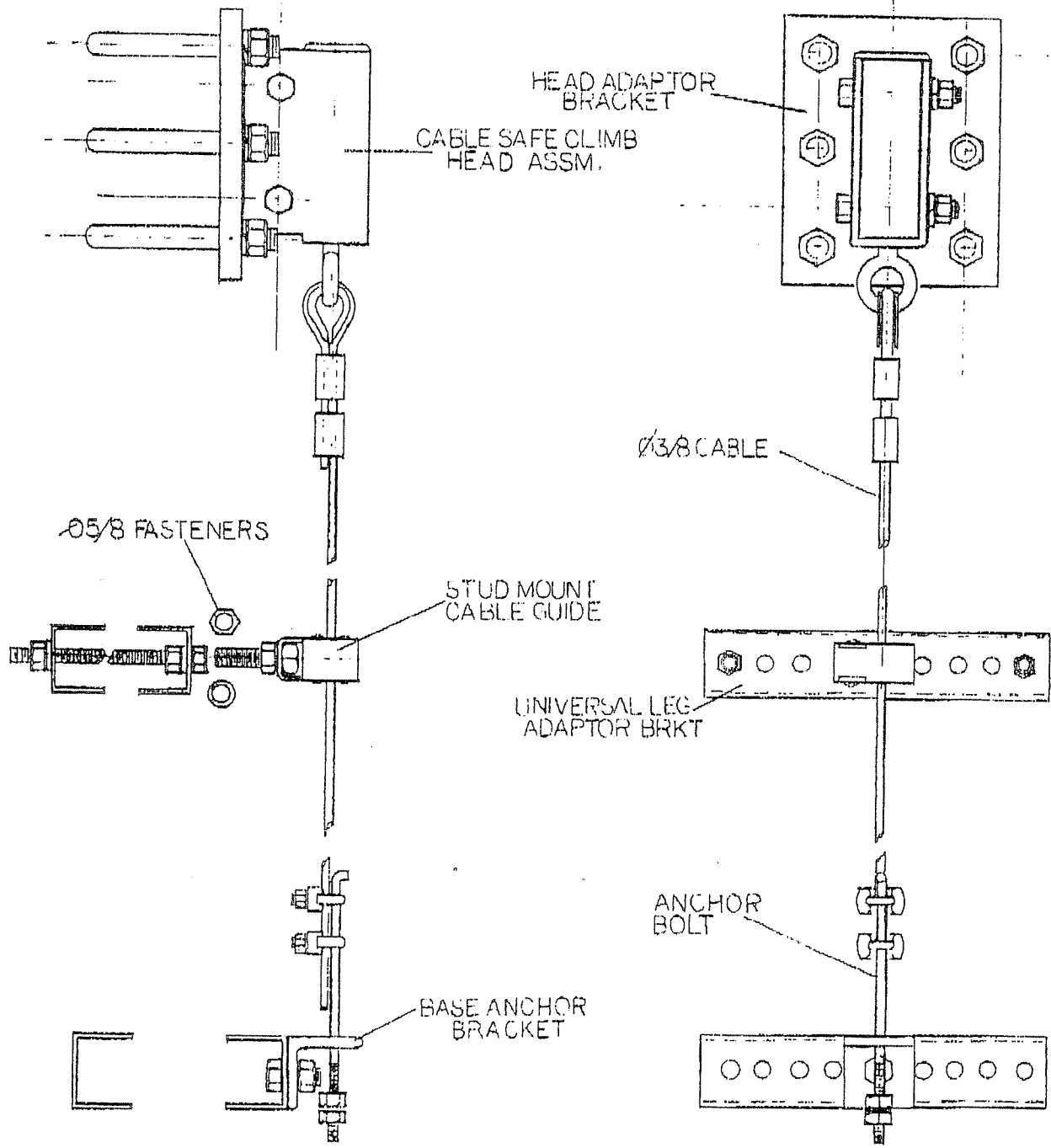
STEP BOLT ASSY

# WORLD TOWER

|       |      |      |     |                 |          |         |
|-------|------|------|-----|-----------------|----------|---------|
| SCALE | NONE | DWN. | KRC | CKD. <i>WDC</i> | DATE     | 2/15/01 |
| FILE  |      |      |     |                 | DWG. NO. | A01020  |



# TUF-TUG PRODUCTS/DEUEP DEVELOP'S UNIVERSAL ROUND CLIMBING LEG CABLE SAFE CLIMB SYSTEM



- \_\_\_ TTSCS- \_\_\_\_\_ MP/CL
- \_\_\_ STUD MOUNT CABLE GUIDES \_\_\_\_\_ (QTY)
- \_\_\_ HEAD ADAPTOR BRKT \_\_\_\_\_ (SIZE)
- \_\_\_ UNIV ROUND LEG ADAPTORS \_\_\_\_\_ (QTY)
- \_\_\_ BASE ANCHOR BRACKET
  
- \_\_\_ SAFETY HARNESS \_\_\_\_\_
- \_\_\_ CARABINER \_\_\_\_\_
- \_\_\_ WIRE GRAB FALL ARRESTOR \_\_\_\_\_
  
- PACKED BY \_\_\_\_\_ DATE \_\_\_\_\_
- CHECKED BY \_\_\_\_\_

CUSTOMER \_\_\_\_\_  
 P.O. NO. \_\_\_\_\_  
 JOB SITE \_\_\_\_\_

TUF-TUG PRODUCTS  
 DAYTON, OHIO, U.S.A.  
 937-299-1213

**EXHIBIT 3**  
**COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST**

**COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST:**

- American Towers
- Crown Communications
- SBA
- Verizon
- Cingular/AT&T
- Nextel
- T-Mobil
- Sprint
- Bluegrass Cellular
- Ramcell Cellular



**EXHIBIT 4  
COLLOCATION REPORT**

# Cellular One

124 S. Keeneland Drive Richmond, KY 40475

859-544-4802

859-544-5858 FAX

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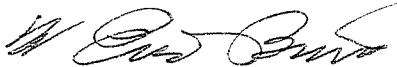
May 24, 2005

To Whom it may Concern:

In regard to the proposed cellular communications site at Jamestown, KY, this letter will seek to explain co-location issues.

To be able to serve the area, a structure in the realm of 250 ft. above ground level will be required. There simply are no tall structures in the area. Therefore, while it is the policy of American Cellular to pursue co-location opportunities wherever possible, there are no opportunities in this area. Thus, the construction of a new tower is the only alternative open to American Cellular.

Sincerely,



W. Eric Broviak  
Regional Rf Engineering Manager

859-544-4802

859-544-5858 FAX

---

## JAMESTOWN

### *Discussion of site need and configuration*

Currently, Cellular One has little coverage in the Jamestown, KY area. The closest sites are in Russell Springs, nearly 5 miles north and Bugwood, over 7 miles southeast. The distance, coupled with local terrain, blocks any meaningful signal from reaching the Jamestown area. In addition to the town itself, US-127 and KY-92 lose coverage as they drop in elevation toward Jamestown and further south toward Lake Cumberland.

The proposed site fills in the coverage problems noted above providing continuous service along US-127 from Russell Springs through the town of Jamestown and along KY-92 down to near Lake Cumberland. It also provides coverage south of Jamestown on US-127 to just past Greasy Creek.

Sincerely,



W. Eric Broviak  
Regional Rf Engineering Manager





**EXHIBIT 5  
APPLICATION TO FAA**



[OE Home](#) | [Determined Cases](#) | [Circularization](#) | [Search](#) | [e-Filing](#)  
[Add Sponsor](#) | [Portal](#) | [Change Password](#) | [Logout](#)

## Notice of Proposed Construction or Alteration

**Sponsor** (person, company, etc. proposing this action):

**Sponsor's Representative**

**Sponsor:**\* Shared Towers WV, L.L.C.

**Representative:** Matthew Wallack

**Location(s)**

|                                 |                  |                |                                |
|---------------------------------|------------------|----------------|--------------------------------|
| City, State                     | Latitude         | Longitude      | <a href="#">View Saved Map</a> |
| > <a href="#">Jamestown, KY</a> | 36° 59' 14.94" N | 85° 4' 2.99" W | <a href="#">View Saved Map</a> |

**Information for Current Location**

**Construction Info**

**Notice Of:**\* Construction

**Structure Info**

**Structure Type:**\* Antenna Tower

**Duration:**\* Permanent **Months:** **Days:**

**Other Description:**

**Work Schedule**

**Structure Name:**

**Beginning:** 04/01/2005 **End:** 08/01/2005

**FCC Number:**

**Prior ASN:**

**General Info**

**Common Frequency Bands**

**Latitude:**\* 36 Deg 59 M 14.94 S N  
**Longitude:**\* 85 Deg 4 M 2.99 S W  
**Horizontal Datum:** NAD83 **Accuracy:** None

| <input checked="" type="checkbox"/> | Low Freq | High Freq | Freq Unit | ERP  | ERP Unit |
|-------------------------------------|----------|-----------|-----------|------|----------|
| <input checked="" type="checkbox"/> | 806      | 824       | MHz       | 500  | W        |
| <input checked="" type="checkbox"/> | 824      | 849       | MHz       | 500  | W        |
| <input checked="" type="checkbox"/> | 851      | 866       | MHz       | 500  | W        |
| <input checked="" type="checkbox"/> | 869      | 894       | MHz       | 500  | W        |
| <input checked="" type="checkbox"/> | 896      | 901       | MHz       | 500  | W        |
| <input checked="" type="checkbox"/> | 901      | 902       | MHz       | 7    | W        |
| <input checked="" type="checkbox"/> | 930      | 931       | MHz       | 3500 | W        |
| <input checked="" type="checkbox"/> | 931      | 932       | MHz       | 3500 | W        |
| <input checked="" type="checkbox"/> | 932      | 932.5     | MHz       | 17   | dBW      |
| <input checked="" type="checkbox"/> | 935      | 940       | MHz       | 1000 | W        |
| <input checked="" type="checkbox"/> | 940      | 941       | MHz       | 3500 | W        |
| <input checked="" type="checkbox"/> | 1850     | 1910      | MHz       | 1640 | W        |
| <input checked="" type="checkbox"/> | 1930     | 1990      | MHz       | 1640 | W        |
| <input checked="" type="checkbox"/> | 2305     | 2310      | MHz       | 2000 | W        |
| <input checked="" type="checkbox"/> | 2345     | 2360      | MHz       | 2000 | W        |

**Site Elevation:**\* 985 (nearest foot)

**Structure Height:**\* 256 (nearest foot)

**Vertical Datum:** NAVD88

**Marking/Lighting Preferred:** White-medium intensity

**Other M/L Desc:**

**Nearest City:**\* Jamestown

**State:**\* Kentucky

**Traverseway:** No Traverseway

**Desc. of Location:**\* (See attached maps)  
263 N. Main Street  
(Harris Lane)

**Specific Frequencies**

Low Freq High Freq Freq Unit ERP ERP Unit  
 No specific frequencies entered for this location

**Desc. of Proposal:**

250' Communication  
tower w/ 6' lightning rod  
facility for wireless

Note: Fields marked with \* are required fields.

|      |        |              |       |                        |      |              |
|------|--------|--------------|-------|------------------------|------|--------------|
| Save | Map It | New Location | Clone | New Specific Frequency | Back | Back to List |
|------|--------|--------------|-------|------------------------|------|--------------|

Submit To FAA



**OE Case Data**

**Study (ASN):** 2005-ASO-564-OE  
**Prior Study:**  
**Status:** Determined

**Received:** 02/04/2005  
**Entered:** 02/04/2005  
**Completed:** 04/29/2005

**Sponsor**

**Sponsor:** Shared Towers WV, L.L.C.  
**Attention Of:** Kamal Doshi  
**Address:** 6501 Sandy Knoll Court  
**City:** McLean  
**State:** VA  
**Postal Code:** 22101  
**Country:** USA

**Sponsor's Representative**

**Representative:** mwallack  
**Attention Of:** Matthew Wa  
**Address:** 7383 Utica I  
**City:** Lowville  
**State:** NY  
**Postal Code:** 13367  
**Country:** US

**Location Information**

**Construction Info**

**Notice Of:** Construction  
**Duration:** Permanent **Months:** 0 **Days:** 0  
**Work Schedule**  
**Beginning:** 04/01/2005 **End:** 08/01/2005

**Structure Info**

**Structure Type:** Antenna Tow  
**Other Description:**

**General Info**

**Latitude:** 36-59-14.9 N  
**Longitude:** 85-4-3 W  
**Datum:** NAD 83  
**Accuracy:**  
**Other:**

**Propo:** 9  
**Site Elevation:** 2  
**Structure Height:** 12  
**Total Altitude from Mean Sea Level:** 12

|                           |  | Low Freq. | High Freq. | Unit |
|---------------------------|--|-----------|------------|------|
| <b>Marking/Lighting:</b>  | White-medium intensity   | 806       | 824        | MHz  |
|                           |  | 824       | 849        | MHz  |
| <b>Other Description:</b> |  | 851       | 866        | MHz  |
|                           | 250` Communication tower w/ 6` lightning rod                     | 869       | 894        | MHz  |
| <b>Description:</b>       | facility for wireless communications, including fenced compound. | 896       | 901        | MHz  |
|                           |  | 901       | 902        | MHz  |
|                           |  | 930       | 931        | MHz  |
|                           |  | 931       | 932        | MHz  |
|                           |  | 932       | 932        | MHz  |
| <b>FCC Number:</b>        |  | 935       | 940        | MHz  |
| <b>Name:</b>              |  | 940       | 941        | MHz  |
| <b>NACO Number:</b>       |  | 1850      | 1910       | MHz  |
|                           |  | 1930      | 1990       | MHz  |
| <b>City:</b>              | Jamestown  | 2305      | 2310       | MHz  |
| <b>State:</b>             | KY   | 2345      | 2360       | MHz  |

**Nearest Airport:** K24  
**Description of Location:** (See attached maps) 263 N. Main Street (Harris Lane) Jamestown, KY

**Distance (ARP) to structure (feet):** 13,088.60  
**On Airport:** No  
**Direction to structure:** 128.16  
**Traverseway:** NO

**Finished Date:** 04/29/2005  
**Submitted:**

**Expiration Date:**  
**Date Built:**

[Back](#) [Print](#)

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# BOULEVARD PROPERTIES, L.L.C.

May 4, 2005

Federal Aviation Administration  
Eastern Regional Office  
1 Aviation Plaza-AEA-520  
Jamaica, NY 11434  
Attn: Robert P. Alexander

Re: ASN# 2005-ASO-564-OE

Dear Mr. Alexander,

Please accept this letter as request to initiate an extended study for Aeronautical Study No. 2005-ASO-564-OE which was determined to be a presumed hazard on April 29, 2005.

The original request for determination and this subsequent request for extended study is being filed by us, on behalf of Shared Towers KY, L.L.C.

Please contact me with any questions regarding this request.

Sincerely,

Matthew J. Wallack  
Boulevard Properties, L.L.C.

cc: Kamal Doshi  
Shared Towers KY, L.L.C.

Boulevard Properties, L.L.C.  
7383 Utica Blvd  
Lowville, NY 13367

PHONE (315) 376-3333  
FAX (315) 376-8139

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**Additional Information for ASN 2005-ASO-564-OE**

Proposal: To construct an antenna tower to a height of 256 feet above ground level, 1241 feet above mean sea level.

Location: The structure will be 2.15 nautical miles southeast of Russel County Airport, (K24), Jamestown, Kentucky; 11,537 feet from the approach end of runway 35.

Federal Aviation Regulation, FAR Part 77, Obstruction Standards Exceeded:

Section 77.23(a)(2) by 30 feet - a height that exceeds a specified height within three miles of the airport reference point, as applied to K24.

Section 77.23(a)(5) Airport Surfaces by penetrating  
Section 77.25(b) (Conical Surface) by 9 Feet- a height that exceeds a takeoff or landing area of an airport, as applied to K24.

Note: Preliminary study disclosed no instrument impact. The proposal is outside of VFR traffic pattern airspace.



Case Description for ASN 2005-ASO-564-OE

Frequency Data for ASN 2005-ASO-564-OE

LOW  
FREQUENCY

HIGH  
FREQUENCY

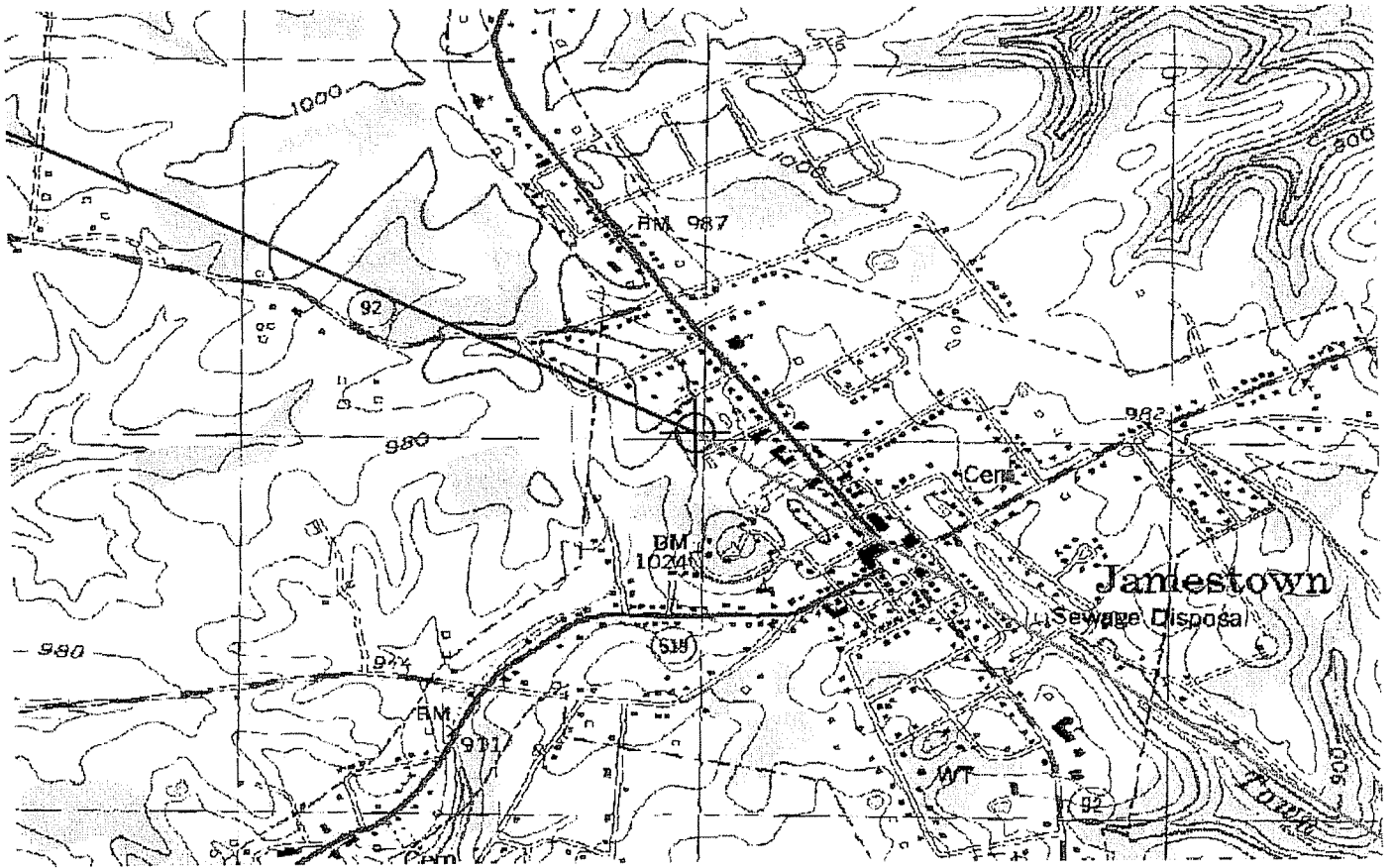
FREQUENCY  
UNIT

ERP

ERP  
UNIT

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Map for ASN 2005-ASO-564-OE

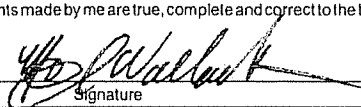




**EXHIBIT 6**  
**APPLICATION TO KENTUCKY AIRPORT ZONING COMMISSION**

INSTRUCTIONS INCLUDED

TC 56-50E (Rev 01/05)

|  |  |
|--|--|
| Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 200 Mero Street, Frankfort, KY 40622  | Kentucky Aeronautical Study Number   |
| <b>APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE</b>  |  |
| 1. APPLICANT – Name, Address, Telephone, Fax, etc<br>Shared Towers WV, L.L.C<br>6501 Sandy Knoll Court<br>McLean, VA 22102<br>703-893-0806 phone<br>253-423-3800 fax   | 9 Latitude: <u>  N36  </u> ° <u>  59  </u> ' <u>  14  </u> " <u>  94  </u> "<br>10 Longitude: <u>  W85  </u> ° <u>  04  </u> ' <u>  2  </u> " <u>  99  </u> "<br>11 Datum: <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other<br>12 Nearest Kentucky City: <u>  Campes town  </u> <u>  Russell  </u>  |
| 2 Representative of Applicant – Name, Address, Telephone, Fax<br>Matthew J. Wallack<br>Boulevard Properties, L. L. C<br>7383 Utica Blvd<br>Lowville, NY 13367<br>315-376-3333 phone  | 13. Nearest Kentucky public use or Military airport:<br><u>  K24 Russell Springs: Russell County  </u><br>14 Distance from #13 to Structure: <u>  2.45 miles  </u><br>15 Direction from #13 to Structure: <u>  SE  </u><br>16 Site Elevation (AMSL): <u>                  985.00  </u> Feet<br>17 Total Structure Height (AGL): <u>                  256.00  </u> Feet<br>18 Overall Height (#16 + #17) (AMSL): <u>                  1,241.00  </u> Feet<br>19 Previous FAA and/or Kentucky Aeronautical Study Number(s):<br>_____<br>20 Description of Location: (Attach USGS 7 5 minute Quadrangle Map or an Airport layout Drawing with the precise site marked and any certified survey)<br><br><b>See attached maps</b> |
| 3. Application for: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing<br>4. Duration: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Months Days )<br>5. Work Schedule: Start End <u>  April 01, 2005  </u> <u>  August 01, 2005  </u><br>6. Type: <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Power Line<br><input type="checkbox"/> Landfill <input type="checkbox"/> Water Tank <input type="checkbox"/> Other<br>7. Marking/Painting and/or Lighting Preferred:<br><input type="checkbox"/> Red Lights and Paint <input type="checkbox"/> Dual - Red & Medium Intensity White<br><input checked="" type="checkbox"/> White - Medium Intensity <input type="checkbox"/> Dual - Red & High Intensity White<br><input type="checkbox"/> White - High Intensity <input type="checkbox"/> Other<br>8 FAA Aeronautical Study Number <u>          2/4/05 submittal attached  </u> |  |
| 21. Description of Proposal:<br><br><p style="text-align: center;">250' communication tower with 6' lightning rod facility for wireless communications, including fenced compound.</p>   |  |
| 22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?<br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, When <u>  February 04, 2005  </u>  |  |
| <b>CERTIFICATION:</b> I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge and belief.   |  |
| Matthew J. Wallack - Operations Manager<br>Printed Name and Title  | <br>Signature   |
| February 04, 2005<br>Date  |  |
| PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183.861 through 183.990) and Kentucky Administrative Regulations (602 KAR 050:Series) are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Non-compliance with Federal Aviation Administration Regulations may result in further penalties.   |  |
| <b>Commission Action:</b> <input type="checkbox"/> Chairman, KAZC <input type="checkbox"/> Administrator, KAZC<br><br><input type="checkbox"/> Approved <input type="checkbox"/> Disapproved _____ Date _____  |  |



Kentucky Airport Zoning Commissio  
200 Mero Street  
Frankfort, KY 40622

(502) 564-4480  
fax: (502) 564-7953  
No.: AS-104-K24-05-038

## DEFERRAL

March 15, 2005

Shared Towers WV, LLC  
6501 Sandy Knoll Court  
MCLEAN, VA 22102

TYPE OF STRUCTURE: Antenna Tower  
COORDINATES: 36-59-14.94 N / 85-04-02.99 W  
NEAREST CITY/TOWN: Jamestown, KY

Dear Sir:

At the meeting of the Kentucky Airport Zoning Commission held on the 10th day of March, 2005 your Application for a Permit to Alter or Construct a Structure was DEFERRED. The Kentucky Airport Zoning Commission voted to defer your application pending our receipt of the FAA Determination.

If you have any questions concerning this feel free to contact me at (502) 564-4480.

Sincerely,

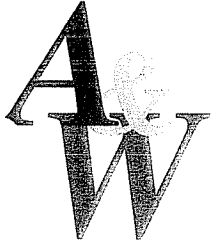
A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator





**EXHIBIT 7**  
**GEOTECHNICAL REPORT**



*Alt & Witzig Engineering, Inc.*

6205 Schumacher Park Drive • West Chester, Ohio 45069  
(513) 777-9890 • Fax (513) 777-9070

May 18, 2005

GPD Associates, Inc.  
520 South Main Street  
Suite 2531  
Akron, Ohio 44311  
ATTN: Mr. Timothy A. Sahr

RE: Subsurface Investigation &  
Foundation Recommendations  
Proposed Tower  
Jamestown, Kentucky  
Alt & Witzig File: 05CN0158

Gentlemen:

In compliance with your request, we have completed a foundation investigation and evaluation for the above referenced project. It is our pleasure to transmit herewith three (3) copies of our report.

SITE LOCATION:

The site is located in Jamestown, Kentucky. Specifically, this site is located at 263 North Main Street. The general vicinity of the site is shown on the enclosed site location map in the appendix of this report.

The purpose of this subsurface investigation was to determine the various soils profile components, determine the engineering characteristics of the materials encountered, and provide information to be used in preparing foundation designs for the proposed communication tower.

Field Services

The field investigation included reconnaissance of the project site, drilling one (1) soil boring in the center of the tower, performing standard penetration tests, and obtaining soil samples retained in the standard split-spoon sampler. The apparent groundwater level at the boring location was also determined.

*Offices:*

Cincinnati, Ohio • Louisville, Kentucky  
Indianapolis • Evansville • Fort Wayne • Lafayette • South Bend • Terre Haute, Indiana

The soil boring was performed with a conventional drilling rig equipped with a rotary head. Conventional hollow-stem augers were used to advance the hole. Representative samples were obtained employing split-spoon sampling procedures in accordance with ASTM Procedure D-1586.

During the sampling procedure, standard penetration tests were performed at regular intervals to obtain the standard penetration value of the soil. The standard penetration value is defined as the number of blows of a 140-pound hammer, falling thirty (30) inches, required to advance the split-spoon sampler one (1) foot into the soil. The results of the standard penetration tests indicate the relative density and comparative consistency of the soils, and thereby provide a basis for estimating the relative strength and compressibility of the soil profile components.

Laboratory Testing

The types of soils encountered in the boring was visually classified according to the Unified Soil Classification System and are described in detail on the boring logs. Representative samples of the soils encountered in the field were placed in sample jars and are now stored in our laboratory. Unless notified to the contrary, all samples will be disposed of after three (3) months.

Recommendations for Tower

Information provided by GPD Associates indicates that a self support cellular tower will be constructed at this site. It is anticipated that the structural loads of the tower will be supported by a conventional spread footings or drilled pier foundation.

Our boring generally encountered medium stiff and soft clay and silty clay with silt to the auger refusal depth of our boring at forty-three (43) feet below grade.

The following soil parameters can be used to design a shallow foundation. Due to the seasonal variations in moisture content and freeze thaw cycles, no skin friction or resistance to passive pressure should be considered above four (4) feet.

| Soil Description    | Depth Below Existing Grade | Bearing Pressure (psf) SF=3 | Dry Density (pcf) | $\phi$ | $K_p$ | Coefficient of Friction Against Sliding |
|---------------------|----------------------------|-----------------------------|-------------------|--------|-------|---|
| Silty Clay          | 4' - 7'                    | 2,500                       | 110               | 10°    | 1.4   | 0.35                                    |
| Silt                | 7' -15'                    | 3,000                       | 115               | 20°    | 2.0   | 0.35                                    |
| Clay and Silty Clay | 15' - 43'                  | 2,000                       | 110               | 10°    | 1.4   | 0.35                                    |

The weight of the backfill above the footings in the tower area will be used to resist uplift forces, therefore, it is recommended that proper compaction techniques be maintained. Using approved granular material, it is recommended that a density of 100% maximum dry density in accordance with ASTM D-698 be achieved above the footings to finished grade.

Caissons/Drilled Piers

A caisson type foundation system can be used to support this structure. A caisson type foundation is advantageous to use when it is necessary to resist large overturning moments such as those caused by wind loads against the proposed structure. If caissons or drilled piers are used to support the structure, the following design parameters are recommended:

| Depth Below Grade (Feet)                 | Allowable Skin Friction (psf) SF=2 | Design End Bearing Pressure SF=3 | Cohesion (Psf) |
|--|------------------------------------|----------------------------------|----------------|
| From ground surface to a depth of 4 feet | Negligible                         | ---                              | Negligible     |
| From 4 feet to 7 feet below grade        | 500                                | 2,500                            | 500            |
| From 7 feet to 15 feet below grade       | 500                                | 3,000                            | 250            |
| From 7 feet to 43 feet below grade       | 500                                | 2,000                            | 250            |
| At 43 feet below grade                   | 1,000                              | 10,000                           | 1,000          |

Caissons should be no less than 30 inches in diameter.

Prior to placement of concrete, the material from the bottom of the caisson should be inspected by a representative of the soils engineer. This inspection is to assure that each caisson is being founded on adequate bearing materials.

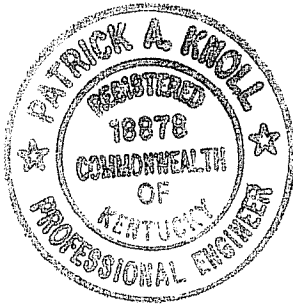
Groundwater was encountered at thirty-four (34) feet during drilling operations and at thirteen (13) feet at completion of operations. If caissons are used to support the tower, a sump pump and muck bucket could be necessary to remove water that will be encountered. Caissons should be no less than 30 inches in diameter (larger were required by design loads). Casing of the holes will be required if caissons penetrate the wet sands and gravels. In addition a tremmie pipe would be necessary to place concrete if the holes can not be dewatered. Under no circumstance should concrete be placed in groundwater greater than two (2) to three (3) inches in depth. Furthermore, concrete should not be dropped greater than five (5) feet through reinforcement steel. If caisson diameters do not allow for adequate fall distance form the reinforcement cage, a tremmie pipe would also be required.

GPD Associates  
Proposed Tower  
Alt & Witzig File No.: 05CN0158  
May 20, 2005  
Page 4

Often, because of design and construction details that occur on a project, questions rise concerning the soil conditions. If we can give further service in these matters, please contact us at your convenience.

Respectfully Submitted,

ALT & WITZIG ENGINEERING, INC.



Handwritten signature of Robert Smith in black ink.

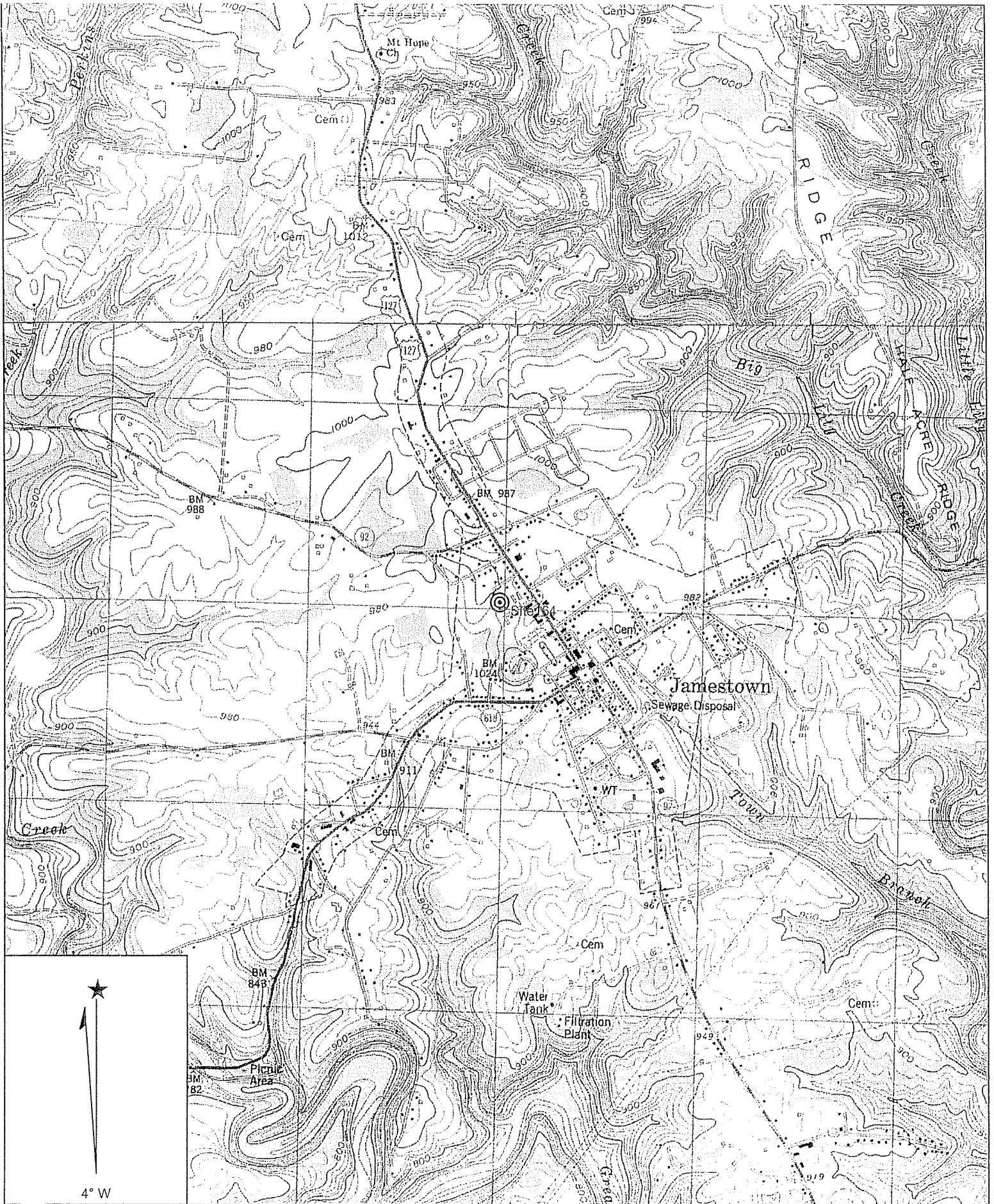
Robert Smith, P.E.

Project Engineer

Handwritten signature of Patrick A. Knoll in black ink.

Patrick A. Knoll, P.E.

## APPENDIX



Name: JAMESTOWN  
 Date: 5/18/2005  
 Scale: 1 inch equals 2000 feet

Location: 036° 59' 15.0" N 085° 04' 04.1" W  
 Caption: Site Location Map 05CN0158  
 Proposed Tower  
 Jamestown, Kentucky



# RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT GPD Associates  
 PROJECT NAME Proposed Cell Tower  
 LOCATION Jamestown, Kentucky

Boring # B-1  
 Alt & Witzig File No. 05CN0158

## DRILLING and SAMPLING INFORMATION

Date Started 5/4/2005 Hammer Wt. 140 lbs.  
 Date Completed 5/4/2005 Hammer Drop 30 in.  
 Boring Method HSA Spoon Sampler OD 2 in.

| STRATA ELEV. | SOIL CLASSIFICATION  |  | Depth Scale | Strata Depth | Sample No. | Sample Type | Sampler Graphics | Ground Water | Standard Penetration Test, N - Blows/foot | Qu - tsf Unconfined Compressive Strength | Pp - tsf Pocket Penetrometer | Moisture Content % | Remarks            |
|--------------|--|--|-------------|--------------|------------|-------------|------------------|--------------|---|--|------------------------------|--------------------|--------------------|
|              | SURFACE ELEVATION  |  |             |              |            |             |                  |              |   |  |                              |                    |                    |
|              | 0.0-3" Topsoil   |  |             |              |            |             |                  |              |   |  |                              |                    |                    |
|              | 3"-3.0 Brown Clay Trace Gravel and Organics (Fill)                         |  |             | 3.0          | 1          | SS          | X                |              | 7   |  | 1.5                          | 17.6               |                    |
|              | 3.0-7.5 Light Brown Mottled Gray Silty Clay with Fe Oxide Stains           |  | 5           |              | 2          | SS          | X                |              | 15  | 5.0                                      | 3.5                          | 20.8               |                    |
|              | 7.5-10.0 Light Brown and Red Moist Clayey Silt                             |  |             | 7.5          | 3          | SS          | X                |              | 17  |  | 1.0                          | 22.4               |                    |
|              | 10.0-15.0 Light Brown and Red Moist Clayey Silt with Light Gray Clay Seams |  | 10          | 10.0         | 4          | SS          | X                |              | 23  |  | 3.0                          | 25.1               |                    |
|              | 15.0-18.0 Brown Silt Trace Clay  |  |             | 15.0         | 5          | SS          | X                |              | 21  |  | 1.0                          |                    |                    |
|              | 18.0-24.0 Light Brown Silty Clay   |  | 20          | 18.0         | 6          | SS          | X                |              | 7   |  | 2.0                          |                    |                    |
|              | 24.0-28.0 Brown Silty Clay   |  | 25          | 24.0         | 7          | SS          | X                |              | 2   |  | 0.5                          |                    | Caved at 26.0 feet |
|              | 28.0-34.5 Brown Clay   |  | 30          | 28.0         | 8          | SS          | X                |              | 10  |  | 2.5                          |                    |                    |
|              | 34.5-43.0 Wet Brown Clay Trace Sand and Limestone Wet Sand Seams           |  |             | 34.5         | 9          | SS          | X                | ○            | 50/1                                      |  |                              |                    |                    |

### Boring Method

HSA - Hollow Stem Augers  
 CFA - Continuous Flight Auger  
 DC - Driving Casing  
 MD - Mud Drilling

### GROUNDWATER

▽ At Completion 13.0 ft  
 ▽ After \_\_\_\_\_ hours \_\_\_\_\_ ft  
 ○ Water on Rods 34.0 ft  
 C - Boring Caved Depth

### Sample Type

SS - Driven Split Spoon  
 ST - Pressed Shelby Tube  
 CA - Continuous Flight Auger  
 RC - Rock Core  
 CU - Cuttings





# RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT GPD Associates  
 PROJECT NAME Proposed Cell Tower  
 LOCATION Jamestown, Kentucky

Boring # B-1  
 Alt & Witzig File No. 05CN0158

## DRILLING and SAMPLING INFORMATION

Date Started 5/4/2005 Hammer Wt. 140 lbs  
 Date Completed 5/4/2005 Hammer Drop 30 in.  
 Boring Method HSA Spoon Sampler OD 2 in.

| STRATA ELEV. | SOIL CLASSIFICATION  | Depth Scale | Strata Depth | Sample No. | Sample Type | Sampler Graphics | Ground Water | Standard Penetration Test, N - Blows/foot | Qu - tsf Unconfined Compressive Strength | Pp - tsf Pocket Penetrometer | Moisture Content % | Remarks |
|--------------|--|-------------|--------------|------------|-------------|------------------|--------------|---|--|------------------------------|--------------------|---------|
|              | SURFACE ELEVATION  |             |              |            |             |                  |              |   |  |                              |                    |         |
|              | 34.5-43.0 Wet Brown Clay Trace Sand and Limestone Wet Sand Seams | 40          | 10           | SS         |             |                  |              | 5   |  |                              |                    |         |
|              | Auger Refusal at 43.0 feet                                       |             |              |            |             |                  |              |   |  |                              |                    |         |

### Boring Method

HSA - Hollow Stem Augers  
 CFA - Continuous Flight Auger  
 IC - Driving Casing  
 MD - Mud Drilling

### GROUNDWATER

At Completion 13.0 ft  
 After      hours      ft  
 Water on Rods 34.0 ft

### Sample Type

SS - Driven Split Spoon  
 ST - Pressed Shelby Tube  
 CA - Continuous Flight Auger  
 RC - Rock Core  
 CU - Cuttings

## GENERAL NOTES

### SAMPLE IDENTIFICATION

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

### SOIL PROPERTY SYMBOLS

- N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.
- Qu: Unconfined compressive strength, TSF
- Qp: Penetrometer value, unconfined compressive strength, TSF
- Mc: Water content, %
- LL: Liquid limit, %
- PL: Plastic limit, %
- Dd: Natural dry density, PCF
- ▼: Apparent groundwater level at time noted after completion

### DRILLING AND SAMPLING SYMBOLS

- SS: Split-spoon - 1 3/8" I.D., 2" O.D., except where noted
- ST: Shelby tube - 3" O.D., except where noted
- AU: Auger sample
- DB: Diamond bit
- CB: Carbide bit
- WS: Washed sample

### RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

| <u>TERM (NON-COHESIVE SOILS)</u> | <u>BLOWS PER FOOT</u> |
|----------------------------------|-----------------------|
| Very loose                       | 0 - 4                 |
| Loose                            | 5 - 10                |
| Firm                             | 11 - 30               |
| Dense                            | 31 - 50               |
| Very Dense                       | Over 50               |

| <u>TERM (COHESIVE SOILS)</u> | <u>Qu (TSF)</u> |
|------------------------------|-----------------|
| Very soft                    | 0 - 0.25        |
| Soft                         | 0.25 - 0.50     |
| Medium                       | 0.50 - 1.00     |
| Stiff                        | 1.00 - 2.00     |
| Very Stiff                   | 2.00 - 4.00     |
| Hard                         | 4.00+           |

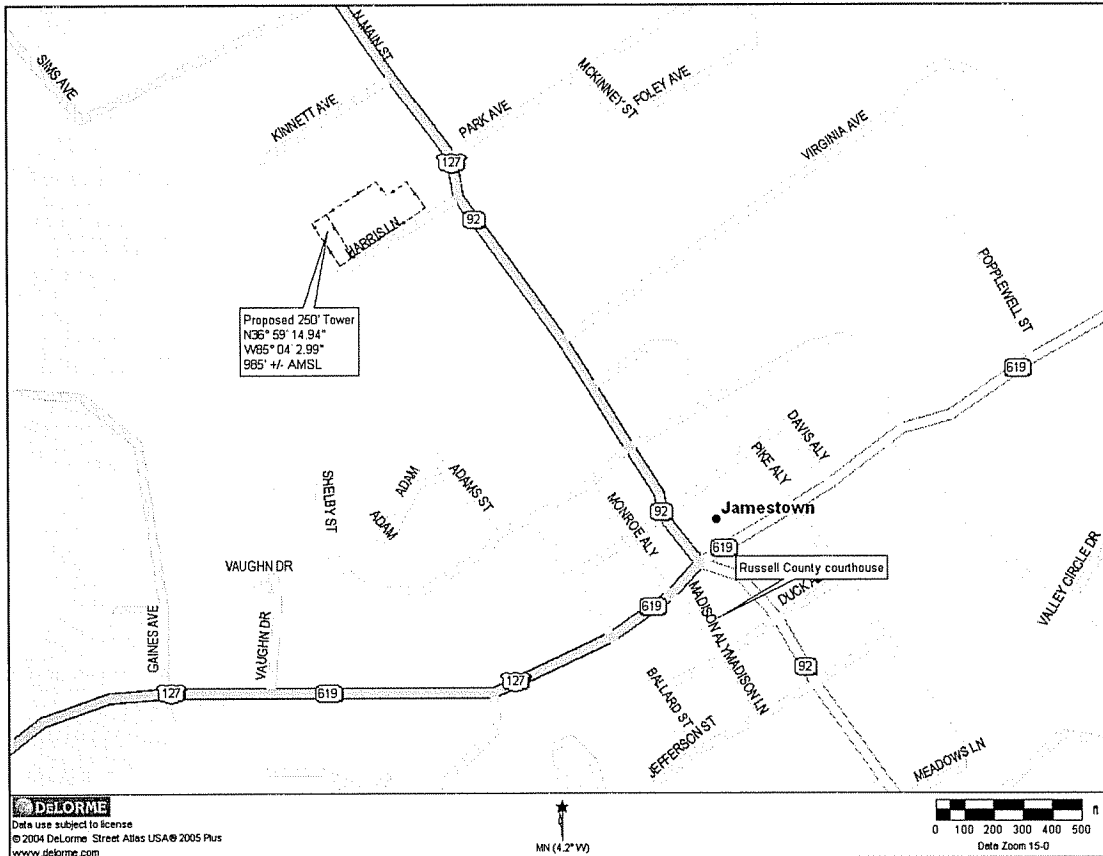
### PARTICLE SIZE

|          |               |             |                |      |                     |
|----------|---------------|-------------|----------------|------|---------------------|
| Boulders | 8 in.(+)      | Coarse Sand | 5 mm-0.6 mm    | Silt | 0.075 mm - 0.005 mm |
| Cobbles  | 8 in. - 3 in. | Medium Sand | 0.6mm-0.2 mm   | Clay | 0.005mm(-)          |
| Gravel   | 3 in. - 5 mm  | Fine Sand   | 0.2mm-0.075 mm |      |                     |



**EXHIBIT 8  
DIRECTIONS TO WCF SITE**

## WCF LOCATION MAP



## DIRECTIONS TO WCF FROM COUNTY SEAT

From Russell Court House on Monument Square in Jamestown, proceed north on Rt. 127 / 92 (Main Street) to Harris Lane. Turn left onto Harris Lane and proceed to end. WCF site is on the right (north).

These directions were prepared by:

David B. Jantzi  
Boulevard Properties  
7383 Utica Boulevard  
Lowville, NY 13367  
(315) 523-6258



**EXHIBIT 9**  
**COPY OF REAL ESTATE AGREEMENT**

## SITE LEASE AGREEMENT (Kentucky)

Site Name: Jamestown Site Address: 263 North Main St., Jamestown, KY

Site I. D.: KY-109 Latitude: N36° 59' 14.94" Longitude: W85° 04' 2.99"

- 1. Premises and Use.** In consideration of the expenditures and efforts of lessee to develop and use the premises described below, the undersigned (jointly and severally, the "Owner") hereby leases to Shared Towers KY, LLC, a Kentucky limited liability company ("Lessee"), or its permitted assignee, the site described below:  
Approx 175' x 60' at the back of the fenced in yard at the end of Harris Lane.  
The exclusive right to use and occupy real property, approximately 10,000 square feet of land, as approximately described and shown on Exhibit A, together with non-exclusive easements (a) to a public right of way, for reasonable access, (b) to the appropriate sources of electric and telephone facilities as determined by Lessee, (c) for placement of any supporting guyed wires as reasonably determined by Lessee per good engineering practices and (d) to meet fall-zone or set back requirements (collectively, the "Site"). The Site will be used for installing, maintaining and/or operating, a wireless communications and broadcast facility, including, without limitation, antenna towers or poles, guyed wires (if applicable), foundations, utility lines, equipment shelters, ice bridges, radio equipment, antennas, security alarms, cameras, lights, and supporting equipment thereto (collectively, the "Facility"), or for any other use permitted by applicable law. Title to the Facility shall be held by Lessee and the Facility shall remain Lessee's personal property and in no event shall be construed as fixtures.
- 2. Term.** The term of this Agreement (the "Initial Term") is five (5) years, starting on the date Lessee signs this Agreement. This Agreement will be automatically renewed for ten (10) additional terms (each a "Renewal Term") of five years each with a 15% increase in rent at each renewal, unless Lessee provides Owner notice of intention not to renew 90 days prior to the expiration of any term.
- 3. Rent.** Beginning with the date upon which the cell tower is erected, rent will be paid quarterly, on the first day of each calendar quarter, at the rate of \$1,200 per quarter, partial months to be prorated.
- 4. Title, Quiet Possession, and Access.** Owner represents and agrees (a) that it is the owner of the Site pursuant to the instrument set forth on Exhibit A; (b) that the Site is free from all encumbrances except as set forth on Exhibit A, (c) that it has the right to enter into this Agreement; (d) that the person signing this Agreement has the authority to sign; (e) that Lessee, its employees, agents, subcontractors, clients, and invitees are entitled to access to the Site at all times and to the quiet possession of the so long as Lessee is not in default beyond the expiration of any cure period; and (f) that Owner will not have unsupervised access to the Site or to the related Facility. Owner further represents, agrees and covenants that during the Initial Term and Renewal Terms of this Agreement Owner will not use, or permit others to use, any part of any real property currently owned, or hereafter acquired, by Owner within two (2) miles of the Site for any type of communication or broadcast tower or otherwise provide advice, services for development of competing properties or release any information about Lessee's business. Owner shall obtain non-disturbance, subordination and attornment agreement from prior lien holders as required by Lessee's title insurance company.
- 5. Assignment/Subletting.** Either party may assign or transfer this Agreement with notice to the other party. Upon delivery of such notice the transferor will have no further liability under the Agreement. Lessee shall be allowed to sublet, or otherwise grant use rights to all or any portion of the Site and/or the Facility without the prior written consent of Owner, it being the express intention of Lessee to lease or license antenna, towers, shelters, and related space of the Facility to separate wireless communication carriers and other clients.
- 6. Improvements.** Lessee may make such future improvements on or to the Site and Facility as it deems necessary. Owner agrees to cooperate with Lessee with respect to obtaining any required building/zoning approvals for the Site and improvements. Upon termination or expiration of this Agreement, Lessee shall remove the Facility and its other property located upon the Site, excepting the foundation, and will restore the Site to substantially the condition existing at inception of this lease within 365 days of said termination, except for ordinary wear and tear and casualty loss. Lessee shall reimburse Owner any property tax increases directly attributable to Lessee's improvements. Owner shall fully cooperate Lessee in any available administrative or court appeals of such tax increases.
- 7. Compliance with Laws.** Owner represents that Owner's property (including the Site), and all improvements located thereon, are in substantial compliance with building, life/safety, disability and other laws, codes and regulations of applicable governmental authorities. Lessee will substantially comply with all applicable laws relating to its possession and use of the Site.
- 8. Utilities.** Lessee will pay for all utility connections to the Site. Owner will cooperate with Lessee in Lessee's efforts to obtain utilities from the most economical source.
- 9. Termination.** Lessee may terminate this Agreement at any time by notice to Owner without further liability, if Lessee does not obtain all permits or other approvals (collectively, "approval") required from any municipal and/or governmental authority or any easements required from any third party to construct/operate the Facility for its intended use, or if any such



approval is canceled, expires or withdrawn or terminated, or if Owner fails to have proper ownership of the Site or authority to enter into this Agreement, or if Lessee, for any other reason, in its sole discretion, determines that it will be unable to use the Site for its intended purpose.

10. **Default.** If either party is in default under this Agreement for a period thirty (30) days following receipt of notice from the non-defaulting party shall have the right to pursue all legal remedies including termination of this Agreement. If a non-monetary default may not reasonably be cured within a thirty (30) day period, this Agreement may not be terminated if the defaulting party commences action to cure the default within such 30 day period and said default is substantially cured within ninety (90) days of the initial notice of default.
11. **Indemnity.** Owner and Lessee each indemnify the other against and hold the other harmless from any and all costs (including reasonable attorneys' fees) and claims of liability or loss which arise out of the use and/or occupancy of the Site or Facility by the direct actions or culpable omissions of the indemnifying party, its employees, agents or independent contractors. This indemnity does not apply to any claims arising from the sole negligence or intentional misconduct or omission of the party seeking indemnification.
12. **Hazardous Substances.** Owner represents that it has no knowledge of any substance, ground contamination, chemical or waste (collectively, "substance") on the Site that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Lessee will not introduce or use any such substance on the Site in violation of any applicable law. Owner shall indemnify Lessee against and hold it harmless from any and all costs (including reasonable attorneys' fees) and claims of liability or loss which arise out of any occurrence or condition causing the presence of any such substance on the Site that occurred prior to the date of this Agreement or is directly attributable to the Owner's use of adjoining premises during the term of this agreement.
13. **Waiver of Owner's Lien.** (a) Owner waives any lien rights it may have concerning the Facility, which is deemed Lessee's personal property and not fixtures, and Lessee has the right to remove the same at any time without Owner's consent. Owner

(i) disclaims any interest, now or in the future, in and to the Facility, as fixtures or otherwise; (ii) agrees that the Facility and the leasehold or other use interest of Lessee or its authorized sublessees or users, shall be exempt from execution, foreclosure, sale, levy, attachment, or distress for any rent due or to become due. and (iii) agrees to provide any such lender with an estoppel statement regarding the above facts, such as the lack of a default hereunder, and any other information or document reasonably requested, such as a non-disturbance, subordination and attornment agreement, within five (5) days of request.

14. **Insurance.** Lessee, at its sole cost and expense, shall upon commencement of construction (upon use of mechanical equipment to disturb the land, but not for taking of soil samples or surveys and measurements) procure and maintain bodily injury and property insurance on the Facility with a combined single limit of at least One Million Dollars (\$1,000,000) per occurrence. A copy of such policy shall be furnished to Owner within 30 days of written request.
15. **Miscellaneous.** (a) This Agreement applies to and binds the heirs, successors, executors, administrators and assigns of the parties to this Agreement; (b) This Agreement is governed by the laws of the State in which the Site is located; (c) This Agreement (including the Exhibits) constitutes the entire agreement between the parties and supersedes all prior agreements; any amendments to this Agreement must be executed by both parties; (e) If any provision of this Agreement is invalid or unenforceable with respect to any party, the remainder of this Agreement, will not be affected and shall remain valid and enforceable to the extent permitted by law; (f) The prevailing party in any action or proceeding in court is entitled to receive its reasonable attorneys' fees and other reasonable enforcement (or, as applicable, defense) costs and expenses; (g) Owner agrees promptly to execute and deliver to Lessee, simultaneously herewith or forthwith hereafter, a recordable Memorandum of this Agreement in the form of Exhibit B; and (h) All notices are effective, on the third business day after their deposit via certified and postage prepaid mail, or, on the next business day after deposit via overnight delivery, to the address below.

Wilkerson & Sons Supply Company  
"Owner"

Shared Towers WV, LLC("Lessee")  
By: Shared Towers KY, LLC, (Member)

By:

Name: Donnie Wilkerson

Title: Property Owner

Date: \_\_\_\_\_

Address: 180 Courtview Drive  
Jamestown, KY

Tax ID: 406-84-9542

Phone: 270-343-4046

\_\_\_\_\_  
David B. Jantzi

Site Developer

Date: \_\_\_\_\_

\_\_\_\_\_  
Final Approval Signature

Kamal C. Doshi

Date: \_\_\_\_\_

6501 Sandy Knoll Ct.

McLean, VA 22101

703-893-0806

**EXHIBIT A**

**Site Agreement - Site Description – Permitted Exceptions**

**Site Name:** Jamestown

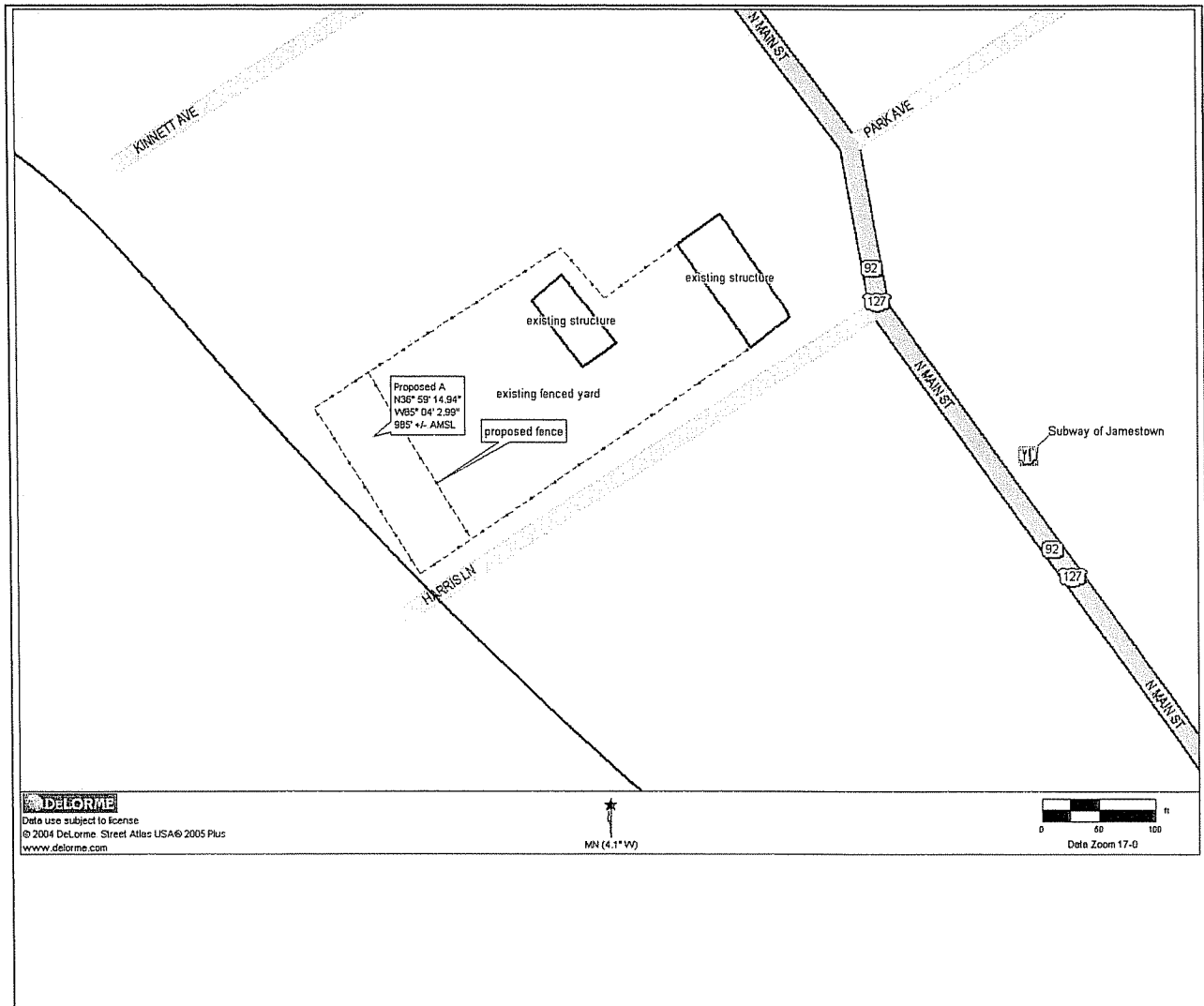
**Site I.D.:** KY-109

Site situated in the City/Town of Jamestown, County of Russell, State of KY commonly described as follows:

Legal Description: A portion of the premises located at address: 263 N. Main St. (N.W. Harris Lane)

more particularly described in Deed to: Donnie Wilkerson dated May 27<sup>th</sup>, 2005 and recorded in Russell County Registry of Deeds at Book 335, Page 392. Tax Map Reference map 34SE / plot 24.

Sketch of Site:



Permitted Exceptions: None.

Owner Initials \_\_\_\_\_ Owner Initials \_\_\_\_\_ Lessee Initials \_\_\_\_\_

**Note:** Owner and Lessee may, at Lessee's option, replace this Exhibit with an exhibit setting forth the legal description of the property on which the Site is located and/or a survey drawing depicting the Site.

**Tax Map No.34SE plot 24**

**Notice to Clerk: Both Owner and Lessee are to be indexed in the Grantors and Grantees Indices.**

**EXHIBIT B**

**Memorandum of Site Lease Agreement**

Site Name: Jamestown

Site I.D.: KY - 109

This memorandum evidences that a lease was made and entered into by written Site Lease Agreement dated April 6<sup>th</sup>, 2005, between Donnie Wilkerson ("Owner") and Shared Towers KY, LLC, a Kentucky limited liability company ("Lessee"), the terms and conditions of which are incorporated herein by reference.

Such Agreement provides in part that Owner leases to Lessee a portion of a certain site ("Site") located at 263 N. Main St. (N.W. Harris Lane), City/County of Jamestown / Russell, State of Kentucky owned by Owner, as described in Exhibit A attached hereto, with grant of easement for unrestricted rights of access thereto and to electric, telephone and guy wire facilities for an initial term of five (5) years, which term is subject to ten (10) additional five (5) year extension periods by Lessee.

IN WITNESS WHEREOF, the parties have executed the Memorandum as of the day and year first above written.

Donnie Wilkerson  
"Owner"

Shared Towers WV, LLC. ("Lessee")  
By: Shared Towers KY, LLC (Member)

By:

Name: Donnie Wilkerson

Title Property Owner

Date: \_\_\_\_\_

Address: 180 Courtview Drive

Jamestown, KY

\_\_\_\_\_  
Kamal C. Doshi

\_\_\_\_\_  
Manager

Date: \_\_\_\_\_

\_\_\_\_\_  
6501 Sandy Knoll Ct

\_\_\_\_\_  
McLean, VA 22101

STATE OF \_\_\_\_\_

CITY/COUNTY OF \_\_\_\_\_,ss

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ (Name), \_\_\_\_\_ (Title) of \_\_\_\_\_ (Owner – Name of Business, N/A if not applicable) a \_\_\_\_\_ (e.g. A Kentucky Corporation, N/A if not applicable) on behalf of the \_\_\_\_\_ (Type of Entity-e.g. Corporation, N/A if not applicable).

(AFFIX NOTARIAL SEAL)

\_\_\_\_\_  
NOTARY PUBLIC

My commission expires:

STATE OF \_\_\_\_\_

CITY/COUNTY OF \_\_\_\_\_,ss

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ (Name), \_\_\_\_\_ (Title) of \_\_\_\_\_ (Owner – Name of Business, N/A if not applicable) a \_\_\_\_\_ (e.g. A Kentucky Corporation, N/A if not applicable) on behalf of the \_\_\_\_\_ (Type of Entity- e.g. Corporation, N/A if not applicable).

(AFFIX NOTARIAL SEAL)

\_\_\_\_\_  
NOTARY PUBLIC

My commission expires:

STATE OF \_\_\_\_\_

CITY/COUNTY OF \_\_\_\_\_,ss

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by Kamal C. Doshi (Name), Manager (Title) of Shared Tower Sites, LLC, a Member of Shared Tower Sites of KY, LLC, a Kentucky limited liability company (Lessee) on behalf of the limited liability company .

(AFFIX NOTARIAL SEAL)

\_\_\_\_\_  
NOTARY PUBLIC

My commission expires:



**EXHIBIT 10  
NOTIFICATION LISTING**

## CERTIFICATION OF NOTIFICATION

- 1) Ronnie McFall  
Russell County Judge/Executive  
PO Box 397  
Jamestown, KY 42629
- 2) City Of Jamestown  
Jamestown, KY 42629
- 3) J.A. Polston  
102 Courtview Drive  
Jamestown, KY 42629
- 4) Erbie Rush  
54 Kinnett Ave.  
Jamestown, KY 42629
- 5) King P. Fultz  
Box 331  
Wayland, KY 41666
- 6) Helen Jones  
Jamestown, KY 42629
- 7) Ralph D. Roy & Associates Realty, Inc.  
Jamestown, KY 42629
- 8) Tommy J. Kennett  
11735 South Glen  
#1517  
Houston, TX 77099
- 9) Don J. Cooper  
PO Box 346  
Jamestown, KY 42629
- 10) Ruby Gail Antle  
45 Kinnett Ave.  
Jamestown, KY
- 11) Jeffery Thomas Williams  
PO Box 646  
Jamestown, KY 42629
- 12) Diane F. Combest  
598 Shorely Drive  
Barrington, IL 60010-3340

- 13) E.C. & Allyne Long  
309 North Main St.  
Jamestown, KY
- 14) Carolyn Schureman  
PO Box 50  
Jamestown, KY 42629
- 15) David & Terry Fisher  
65 Kinnett Ave.  
Jamestown, KY 42629
- 16) Jimmy Keith Grider  
86 Kinnett Ave.  
Jamestown, KY 42629
- 17) Desda Grider  
86 Kinnett Ave.  
Jamestown, KY 42629
- 18) Cooper Long  
309 North Main St.  
Jamestown, KY 42629
- 19) Amanda E. Flatt  
70 Kennett Ave.  
Jamestown, NY 42629
- 20) Leander & Lorraine Taylor  
89 Harris Lane  
Jamestown, KY 42629
- 21) John F. & Sandra M. Zimmerman  
PO Box 366  
Jamestown, KY 42629
- 22) Donnie & Rhonda Wilkerson  
Quality Car Wash  
Main St. & Harris Lane  
Jamestown, KY 42629
- 23) Judy Jones  
PO Box 581  
Jamestown, KY 42629





**EXHIBIT 11**  
**COPY OF COUNTY JUDGE EXECUTIVE NOTICE,**  
**COPY OF CITY MAYOR NOTICE,**  
**COPY OF PROPERTY OWNER NOTIFICATION AND**  
**COPY OF NEWSPAPER ADVERTISEMENT**

Monday, June 6<sup>th</sup>, 2005

Ronnie McFall  
Russell County Judge/Executive  
PO Box 397  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir:

Shared Towers KY, LLC and ACC of Kentucky, LLC are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 250 feet, and a ground level equipment shelter to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you are the Judge/Executive for Russell County.

The PSC invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the PSC must be received by the PSC within 20 days of the date of the Postal cancellation on the envelope this letter was received in. Your comments and request for intervention should be addressed to: Executive Director’s Office, Public Service Commission of Kentucky, 211 Sower Boulevard, Post Office Box 615, Frankfort, KY 40602-0615. Please refer to Docket No.: 2005-00106 in your correspondence.

Please feel free to contact David Jantzi at 315-376-3333, if you have any questions.

Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Judy Jones  
PO Box 581  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

City Of Jamestown  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

J.A. Polston  
102 Courtview Drive  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Erbie Rush  
54 Kinnett Ave.  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

King P. Fultz  
Box 331  
Wayland, KY 41666

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Consultant



Monday, June 6th, 2005

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Docket # 2005-00106

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Helen Jones  
Jamestown, KY 42629

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Docket # 2005-00106

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Ralph D. Roy & Associates Realty, Inc.  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Tommy J. Kennett  
11735 South Glen  
#1517  
Houston, TX 77099

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Don J. Cooper  
PO Box 346  
Jamestown, KY 42629

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Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Ruby Gail Antle  
45 Kinnett Ave.  
Jamestown, KY

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Consultant

Monday, June 6th, 2005

Jeffery Thomas Williams  
PO Box 646  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

The PSC invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the PSC must be received by the PSC within 20 days of the date of the Postal cancellation on the envelope this letter was received in. Your comments and request for intervention should be addressed to: Executive Director’s Office, Public Service Commission of Kentucky, 211 Sower Boulevard, Post Office Box 615, Frankfort, KY 40602-0615. Please refer to Docket No.: 2005-00106 in your correspondence.

Please feel free to contact David Jantzi at 315-376-3333, if you have any questions.

Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Diane F. Combest  
598 Shorely Drive  
Barrington, IL 60010-3340

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant



Monday, June 6th, 2005

E.C. & Allyne Long  
309 North Main St.  
Jamestown, KY

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Carolyn Schureman  
PO Box 50  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

David & Terry Fisher  
65 Kinnett Ave.  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Jimmy Keith Grider  
86 Kinnett Ave.  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Desda Grider  
86 Kinnett Ave.  
Jamestown, KY 42629

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Docket # 2005-00106

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Cooper Long  
309 North Main St.  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Amanda E. Flatt  
70 Kennett Ave.  
Jamestown, NY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

Shared Towers KY, LLC and American Cellular Corporation are making application to the Public Service Commission of Kentucky (“PSC”) for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 250-foot tower with appurtenances attached to a maximum height of 256 feet, and a ground level equipment shelter(s) to be located on Harris Lane in Jamestown, KY 42629. This notice is being sent to you because you own property within a 500’ radius of the proposed tower.

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Leander & Lorraine Taylor  
89 Harris Lane  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant



Monday, June 6th, 2005

John F. & Sandra M. Zimmerman  
PO Box 366  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Donnie & Rhonda Wilkerson  
Quality Car Wash  
Main St. & Harris Lane  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

Monday, June 6th, 2005

Judy Jones  
PO Box 581  
Jamestown, KY 42629

RE: Public Notice – Public Service Commission of Kentucky  
Docket # 2005-00106

Dear Sir or Madam:

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Sincerely,  
Shared Towers KY, LLC

David B. Jantzi  
Consultant

**EXHIBIT 12**  
**COPY OF POSTING NOTICES**

**SHARED TOWERS KY, L.L.C PROPOSES  
TO CONSTRUCT A TELECOMMUNICATIONS  
TOWER NEAR THIS SITE**

**IF YOU HAVE QUESTIONS PLEASE CONTACT**

**David Jantzi (Shared Towers Representative)  
6501 sandy Knoll Ct, McLean, VA 22101  
315-523-6258**

**OR**

**Executive Director, Public Service Commission  
211 Sower Boulevard  
PO Box 615, Frankfort, KY 40602**

**SHARED TOWERS KY, L.L.C PROPOSES  
TO CONSTRUCT A TELECOMMUNICATIONS  
TOWER ON THIS SITE**

**IF YOU HAVE QUESTIONS PLEASE CONTACT**

**David Jantzi (Shared Towers Representative)  
6501 sandy Knoll Ct, McLean, VA 22101  
315-523-6258**

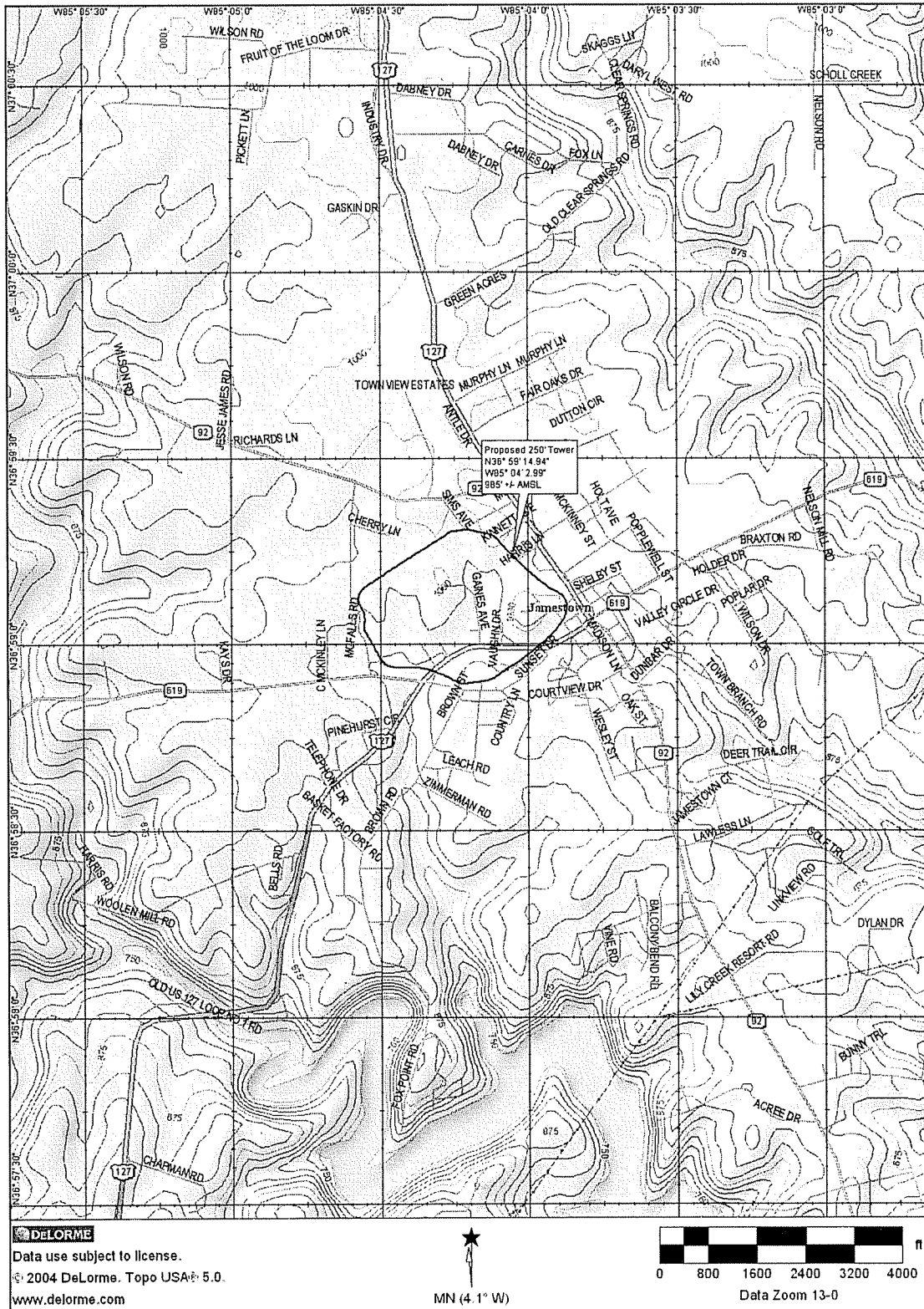
**OR**

**Executive Director, Public Service Commission  
211 Sower Boulevard  
PO Box 615, Frankfort, KY 40602**

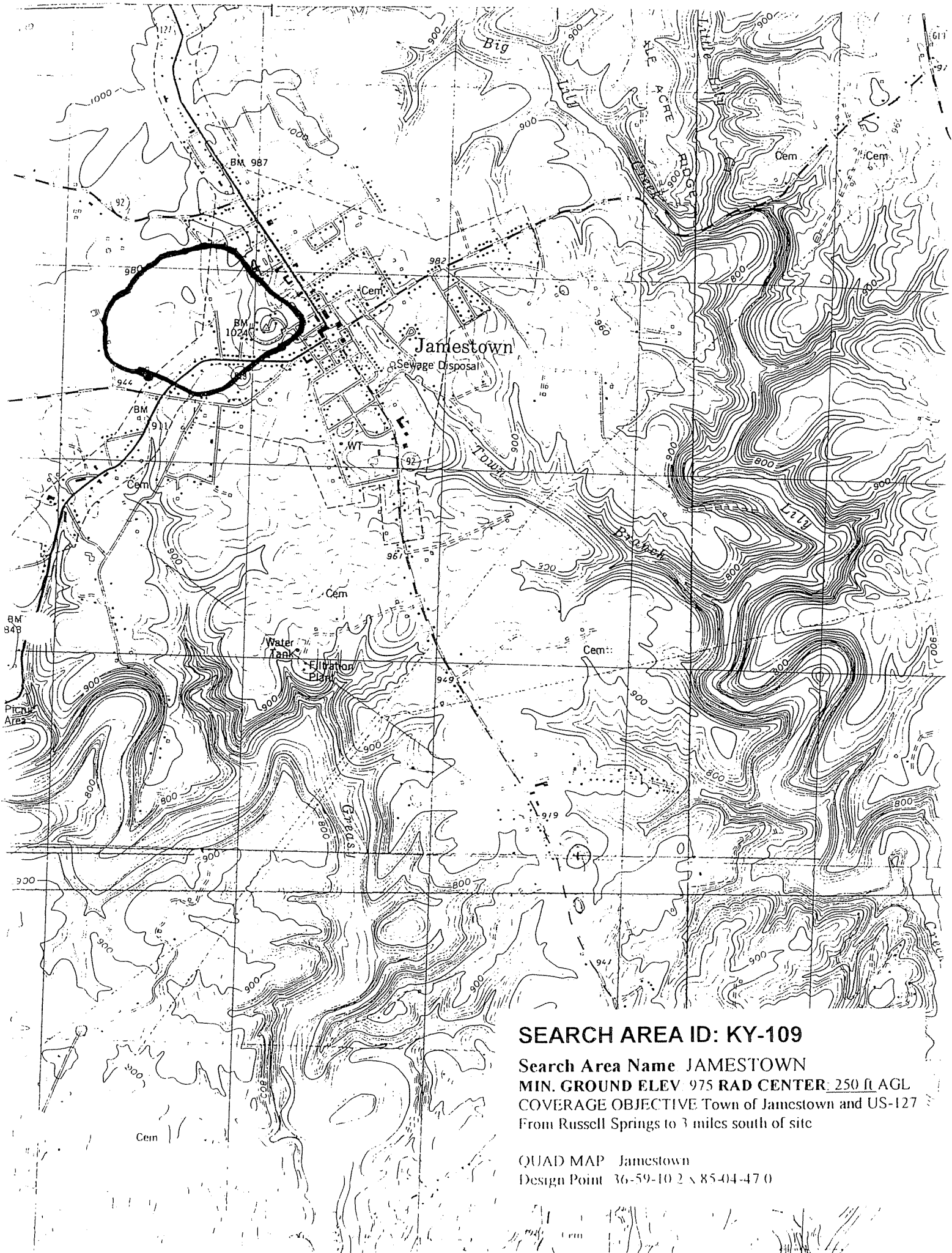


**EXHIBIT 13**  
**COPY OF RADIO FREQUENCY DESIGN SEARCH AREA**

# RADIO FREQUENCY DESIGN SEARCH AREA







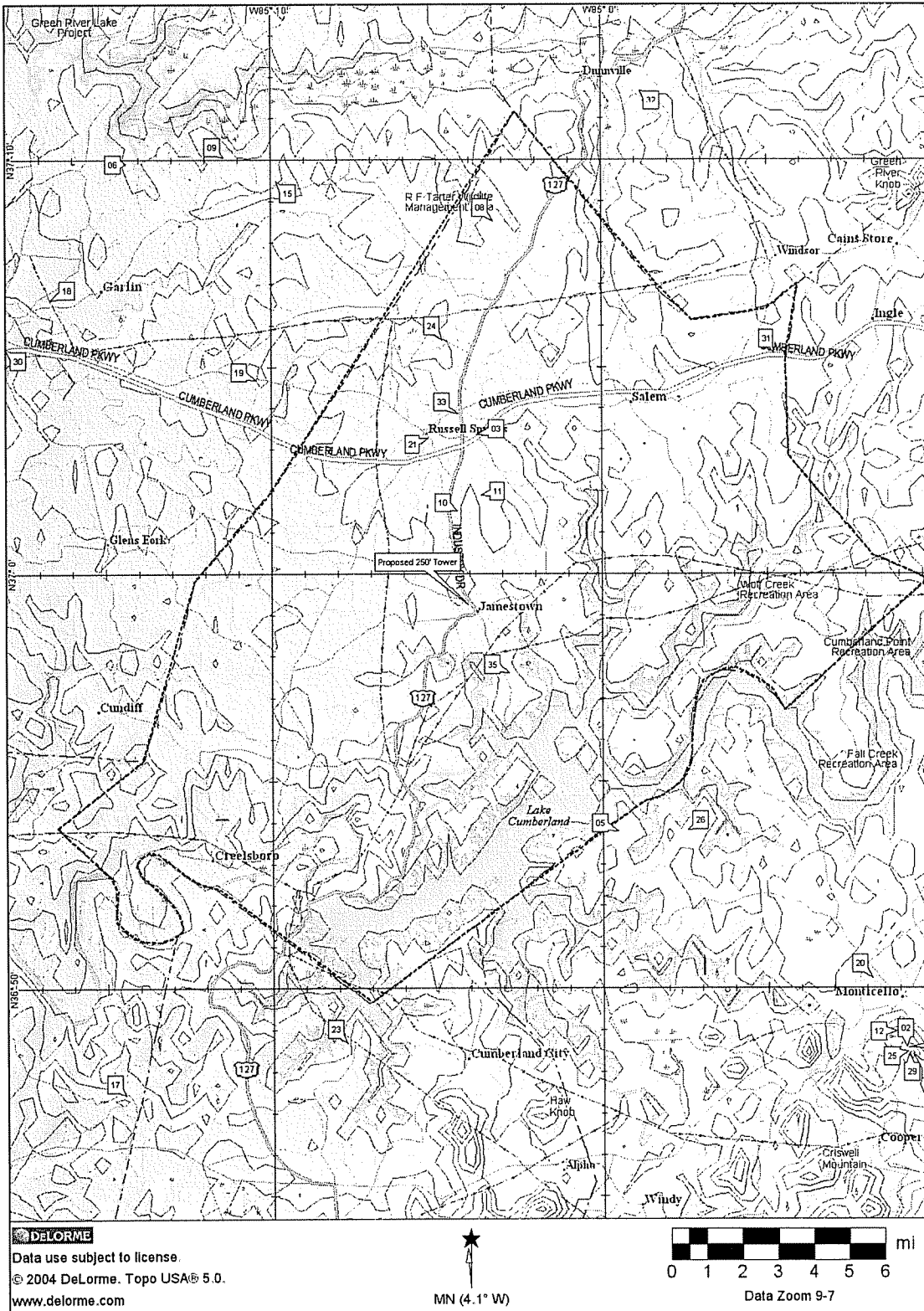
**SEARCH AREA ID: KY-109**

**Search Area Name** JAMESTOWN  
**MIN. GROUND ELEV** 975 RAD CENTER, 250 ft AGL  
**COVERAGE OBJECTIVE** Town of Jamestown and US-127  
From Russell Springs to 3 miles south of site

**QUAD MAP** Jamestown  
**Design Point** 36-59-10 2 x 85-04-47 0

**EXHIBIT 14**  
**TOWER MAP FOR RUSSELL COUNTY**

# MAP OF EXISTING TOWERS FOR RUSSELL COUNTY



## EXISTING TOWERS IN AND AROUND RUSSELL COUNTY

|    |                |             |          |   |                             |                     |       |
|----|----------------|-------------|----------|---|-----------------------------|---------------------|-------|
| 1  | <u>1004214</u> | Constructed | A0103300 | Cumberland Cellular Partnership                                     | 36-48-34.0N<br>084-50-46.0W | MONTICELLO, KY      | 61.0  |
| 2  | <u>1008398</u> | Constructed | A0009993 | STAPLES JR, STEPHEN W DBA = WKYM FM                                 | 36-48-36.0N<br>084-50-49.0W | MONTICELLO, KY      | 60.6  |
| 3  | <u>1013822</u> | Constructed | A0361861 | American Cellular Corporation                                       | 37-03-21.0N<br>085-03-45.0W | RUSSELL SPRINGS, KY | 91.1  |
| 4  | <u>1041289</u> | Constructed | A0392539 | TEXAS EASTERN COMMUNICATIONS, INC.                                  | 37-00-07.0N<br>085-19-01.0W | FAIRPLAY, KY        | 86.3  |
| 5  | <u>1042205</u> | Constructed | A0361870 | American Cellular Corporation                                       | 36-53-48.0N<br>084-59-32.0W | PARNELL, KY         | 128.6 |
| 6  | <u>1042800</u> | Dismantled  | A0362755 | GTE SOUTH INCORPORATED  | 37-09-55.0N<br>085-14-23.0W | COLUMBIA, KY        | 91.1  |
| 7  | <u>1043061</u> | Constructed | A0222586 | CUMBERLAND CELLULAR PARTNERSHIP DBA<br>BLUEGRASS CELLULAR           | 37-07-32.0N<br>085-18-48.0W | COLUMBIA, KY        | 128.0 |
| 8  | <u>1043078</u> | Dismantled  | A0362757 | GTE SOUTH INCORPORATED  | 37-08-31.0N<br>085-03-16.0W | POPLAR GROVE, KY    | 62.5  |
| 9  | <u>1043197</u> | Constructed | A0050876 | RODGERS, PATRICIA DBA = MEGRAE<br>BROADCASTING INC                  | 37-10-04.0N<br>085-11-26.0W | COLUMBIA, KY        | 114.0 |
| 10 | <u>1043881</u> | Constructed | A0051620 | HOOVER, MAE DBA = LAKE CUMBERLAND<br>BROADCASTERS                   | 37-01-31.0N<br>085-04-23.0W | RUSSELL SPRINGS, KY | 72.2  |
| 11 | <u>1043973</u> | Constructed | A0319783 | Cumberland Cellular, Inc.   | 37-01-53.0N<br>085-03-40.0W | RUSSELL SPRINGS, KY | 91.4  |
| 12 | <u>1043974</u> | Constructed | A0318927 | Monticello Wayne County Telecommunications<br>Board                 | 36-48-58.0N<br>084-51-07.0W | MONTICELLO, KY      | 61.0  |
| 13 | <u>1043978</u> | Constructed | A0319459 | Falcon Community Cable, LP, a Delaware<br>Limited Partnership       | 37-05-53.0N<br>085-19-10.0W | COLUMBIA, KY        | 60.3  |
| 14 | <u>1044043</u> | Constructed | A0051799 | KENTUCKY AUTHORITY FOR EDUCATIONAL<br>TELEVISION DBA = WKSO TV      | 37-10-03.0N<br>084-49-30.0W | MINTONVILLE, KY     | 304.4 |
| 15 | <u>1044249</u> | Constructed | A0052053 | WESTERN KENTUCKY UNIVERSITY   | 37-09-29.0N<br>085-09-50.0W | PURDY, KY           | 152.0 |
| 16 | <u>1044511</u> | Constructed | A0052525 | EAST KENTUCKY POWER COOPERATIVE, INC                                | 36-55-25.0N<br>085-06-22.0W | FREEDOM, KY         | 93.0  |
| 17 | <u>1044802</u> | Constructed | A0052854 | KENTUCKY, COMMONWEALTH OF DBA = KY<br>EMERGENCY WARNING SYSTEM KEWS | 36-47-26.0N<br>085-14-28.0W | BURKESVILLE, KY     | 85.0  |
| 18 | <u>1044964</u> | Constructed | A0366817 | TRI COUNTY BROADCASTING CORPORATION<br>DBA = WAIN RADIO             | 37-06-36.2N<br>085-16-41.0W | COLUMBIA, KY        | 68.0  |

## EXISTING TOWERS IN AND AROUND RUSSELL COUNTY

|    |                |             |          |  |                             |                     |       |
|----|----------------|-------------|----------|--|-----------------------------|---------------------|-------|
| 19 | <u>1048811</u> | Constructed | A0379612 | SHORELINE COMMUNICATIONS INC.                      | 37-04-40.6N<br>085-10-27.6W | RUSSELL SPRINGS, KY | 86.9  |
| 20 | <u>1059114</u> | Constructed | A0361877 | STAPLES JR, STEPHEN W DBA = WFLW AM                | 36-50-14.3N<br>084-51-49.8W | MONTICELLO, KY      | 56.4  |
| 21 | <u>1060800</u> | Constructed | A0071259 | DUO COUNTY TELEPHONE COOPERATIVE CORPORATION, INC. | 37-03-16.0N<br>085-05-15.0W | RUSSELL SPRINGS, KY | 66.4  |
| 22 | <u>1062332</u> | Constructed | A0072860 | AMERICAN CHESTNUT TELEVISION, INC.                 | 37-10-00.0N<br>085-18-37.0W | ADAIR, KY           | 291.5 |
| 23 | <u>1063507</u> | Constructed | A0361925 | American Cellular Corporation                      | 36-48-41.0N<br>085-07-47.0W | ALBANY, KY          | 91.1  |
| 24 | <u>1065125</u> | Constructed | A0139869 | HAMMOND BROADCASTING INC                           | 37-05-39.0N<br>085-04-49.0W | RUSSELL SPRINGS, KY | 75.7  |
| 25 | <u>1065830</u> | Constructed | A0151378 | MONTICELLO WAYNE COUNTY MEDIA INC DBA = WMKZ FM    | 36-48-29.0N<br>084-50-46.0W | MONTICELLO, KY      | 55.0  |
| 26 | <u>1200492</u> | Constructed | A0134682 | Cumberland Cellular Partnership                    | 36-53-50.0N<br>084-57-27.0W | Monticello, KY      | 128.0 |
| 27 | <u>1203422</u> | Constructed | A0361929 | American Cellular Corporation                      | 36-57-06.3N<br>084-49-13.8W | Monticello, KY      | 91.1  |
| 28 | <u>1203424</u> | Constructed | A0361931 | American Cellular Corporation                      | 37-04-42.3N<br>084-48-36.8W | Nancy, KY           | 91.1  |
| 29 | <u>1204639</u> | Granted     | A0099865 | Commercial Communications Co                       | 36-48-25.2N<br>084-50-44.8W | Monticello, KY      | 34.1  |
| 30 | <u>1228813</u> | Constructed | A0373935 | SBA Towers, Inc.                                   | 37-05-28.2N<br>085-18-03.9W | Columbia, KY        | 93.2  |
| 31 | <u>1232264</u> | Constructed | A0414078 | HEMPHILL CORPORATION                               | 37-05-19.7N<br>084-54-47.3W | RUSSELL SPRINGS, KY | 106.3 |
| 32 | <u>1232541</u> | Granted     | A0247987 | HEMPHILL CORPORATION                               | 37-11-39.3N<br>084-58-48.8W | DUNNVILLE, KY       | 97.5  |
| 33 | <u>1232919</u> | Constructed | A0431341 | HEMPHILL CORPORATION                               | 37-03-51.9N<br>085-04-19.5W | RUSSELL SPRINGS, KY | 79.2  |
| 34 | <u>1235686</u> | Granted     | A0280520 | MONTICELLO, CITY OF                                | 36-48-25.5N<br>084-50-38.1W | MONTICELLO, KY      | 54.2  |
| 35 | <u>1246930</u> | Granted     | A0427319 | Hemphill Corporation                               | 36-57-37.3N<br>085-02-49.7W | Jamestown, KY       | 106.4 |



**EXHIBIT 15**

**SITE DEVELOPMENT PLAN:**

**VICINITY MAP**

**PROPERTY OWNER LISTING**

**500' VICINITY MAP**

**LEGAL DESCRIPTIONS**

**FLOOD PLAIN REPORT**

**SITE PLAN**

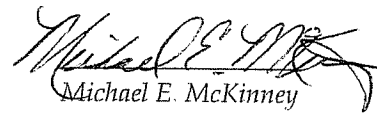
**VERTICAL TOWER PROFILE**

**McKinney Land Surveying**  
106 S. Reed Street, Columbia, KY 42728

To Whom It May Concern:

The site in Jamestown, Kentucky that Shared Towers KY, L.L.C. proposes to lease for the purpose of erecting a cellular telecommunications tower is classified as Zone C. This information was obtained from Community Panel #210206 0001 from the United States Department of Housing and Urban Authority, Federal Insurance Administration.

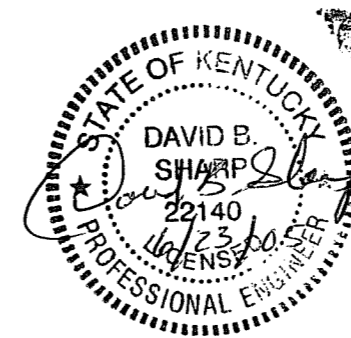
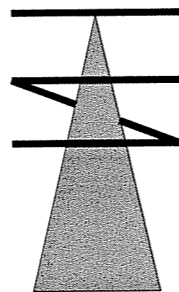
Zone C is listed as "areas of minimal risk of flooding" in the legend of the Community Panel.

 06/20/05  
Michael E. McKinney  
PLS #3318

STATE OF KENTUCKY  
MICHAEL E  
McKINNEY  
3318  
LICENSED  
PROFESSIONAL  
LAND SURVEYOR



# PROPOSED WIRELESS COMMUNICATIONS FACILITY



## SHARED TOWERS KY, LLC

6501 SANDY KNOLL CT., MCLEAN, VA. 22101

### UTILITY INFORMATION:

**TELEPHONE SERVICE:**  
DUO TELEPHONE  
CUSTOMER SERVICE  
1-270-343-3131

**ELECTRIC SERVICE:**  
KENTUCKY UTILITY  
CUSTOMER SERVICE  
1-800-981-0600

### HANDICAPPED REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED

### PLUMBING REQUIREMENTS

FACILITY HAS NO PLUMBING

### EXISTING PROJECT SITE SUMMARY

|                   |   |
|-------------------|---|
| COUNTY:           | RUSSELL COUNTY  |
| SITE COORDINATES: | N 36° 59' 14.94" LAT.<br>W 85° 04' 2.99" LONG.                  |
| ELEVATION:        | 985'  |
| PROPERTY OWNER:   | DONALD L. WILKERSON, SR.<br>263 NORTH MAIN ST.<br>JAMESTOWN, KY |
| CONTACT NAME:     | DAVID JANTZI<br>7583 UTICA BOULEVARD<br>LOWVILLE, NY 13367      |
| CONTACT TEL NO.:  | TEL: 315-523-6258   |
| SITE NAME:        | JAMESTOWN   |

SHARED TOWER SITES KY, LLC

\_\_\_\_\_  
DATE  
REPRESENTATIVE SIGNATURE

OWNER APPROVAL  
\_\_\_\_\_  
DATE  
REPRESENTATIVE SIGNATURE

| DATE | DESCRIPTION   | DRAWING INDEX |
|------|---|---------------|
|      | TITLE SHEET   |               |
|      | C1 SURVEYED SITE PLAN                                   |               |
|      | C2 TYPICAL SECTIONS AND GENERAL NOTES                   |               |
|      | C3 SECTIONS   |               |
|      | C4 SECTIONS   |               |
|      | C5 TOWER ELEVATION, ANTENNA PLAN & ANTENNA SCHEDULE     |               |
|      | F1 GROUNDING SITE PLAN AND GROUNDING RISER DIAGRAM      |               |
|      | S1 ICE BRIDGE AND FOUNDATION DETAILS & STRUCTURAL NOTES |               |
|      | S2 STRUCTURAL AND FOUNDATION DETAILS                    |               |
|      | E1 SINGLE LINE DIAGRAM AND ELECTRICAL NOTES             |               |
|      | E2 GROUNDING SITE PLAN AND GROUNDING RISER DIAGRAM      |               |
|      | E3 ELECTRICAL DETAILS                                   |               |

### AMERICAN CELLULAR CORPORATION

CONTACT: RICHARD PENNINGTON  
1245 KEENELAND DRIVE  
RICHMOND, KY 40475  
OFFICE: (859) 544-5820  
FAX: (859) 544-5858

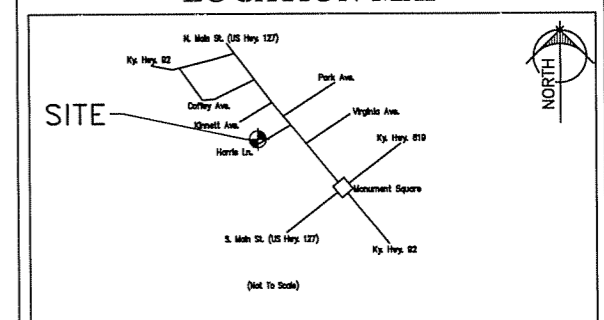
ANTENNA / TOWER

ENGINEERS / ARCHITECTS

## POTESTA

Potesta & Associates, Inc.  
ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
245 Cheat Road, Suite 4, Morgantown, WV 26508  
TEL: (804) 225-2245 FAX: (804) 225-2248  
E-Mail Address: potesta@potesta.com

### LOCATION MAP



### DIRECTIONS :

FROM US-127:  
AT THE BOTTOM OF THE RAMP TURN LEFT AND GO 0.10 OF A MILE. TURN RIGHT ON HARRIS LANE. SITE IS ON RIGHT NEAR END OF LANE.

PROJECT NAME : JAMESTOWN  
JAMESTOWN, KY

DATE : 5/09/05



GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION OPERATIONS ON THE SITE AND ANY OTHER UTILITY COMPANY THAT IS A NON-MEMBER OF THESE SERVICES:

KENTUCKY UNDERGROUND PROTECTION, INC 1-800-752-6007

AMERICAN CELLULAR  
 DAVID GINTER: 859-544-5805; F. 859-544-5858; M. 859-544-5000;  
 EMAIL: david.ginter@dobson.net  
 MR. RICHIE PENNINGTON: 859-544-5820  
 EMAIL: richie.pennington@dobson.net

2. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, INCLUDING SUBSURFACE CONDITIONS. THE CONTRACTOR IS HEREBY MADE AWARE THAT NO GEOTECHNICAL REPORT HAS BEEN PRODUCED OR USED IN PREPARATION OF THESE DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND VERIFY THE REQUIRED ALLOWABLE BEARING CAPACITY AT THE FOUNDATION BEARING ELEVATIONS, INCLUDING THE SUBSURFACE CONDITIONS AND EMBANKMENT STABILITY. IF UNSUITABLE SOILS SUCH AS ORGANIC SOIL, GRANULAR FILL OR RUBBLE FILL ARE PRESENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER (POTESTA & ASSOCIATES, INC.) IMMEDIATELY FOR FURTHER INSTRUCTIONS PRIOR TO PLACEMENT OF CONCRETE. ALL RECOMMENDATIONS FOR THIS SITE FROM ANY GEOTECHNICAL REPORT OR ENGINEER SHALL BE PERFORMED. THE CONTRACTOR SHALL OBTAIN PERMISSION OF OWNER VIA POTESTA & ASSOCIATES, INC. PRIOR TO SITE ENTRY FOR THE PURPOSE OF VERIFICATION OF EXISTING SITE CONDITIONS.

3. ALL DIMENSIONS ARE BASED ON TAPE MEASUREMENTS AND NOT BASED ON A FORMAL SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PURCHASE OF MATERIAL AND PRIOR TO ESTIMATING JOB COSTS. IF CONFLICTS ARE OBSERVED NOTIFY ENGINEER IMMEDIATELY.

4. CONTRACTOR SHALL PROVIDE CERTIFIED COPIES OF ALL LABORATORY TESTS TO SHARED TOWERS AT THE COMPLETION OF THE TESTS. SPECIFICALLY CONCRETE COMPRESSIVE STRENGTH AND GEOTECHNICAL RESULTS.

5. EXISTING UTILITIES ARE SHOWN FROM EXISTING PLANS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTS EXIST WITH THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SHARED TOWERS REPRESENTATIVES IN ORDER TO RESOLVE ANY CONFLICTS. EXISTING UTILITIES DAMAGED SHALL BE REPAIRED OR REPLACED, AS NEEDED, IN LIKE KIND AND CHARACTER, AND AT THE EXISTING GRADE PRIOR TO CONSTRUCTION.

6. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES AND GROUNDING PRIOR TO ANY EXCAVATION, AND CONTRACTOR SHALL HAND DIG IN THE VICINITY OF ALL EXISTING LINES.

7. CONTRACTOR SHALL CONCRETE ENCASE ANY EXISTING CONDUITS PASSING UNDER NEW SHELTERS. (3" MIN. COVER ALL SIDES, 4000 PSI CONC.)

8. CONTRACTOR SHALL MAINTAIN THE DISTANCE OF 12" BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.

9. ALL WORK SHALL BE CONFINED TO THE LEASE AND/OR ACCESS AREAS (EXCEPT GRADING), UNLESS AGREEMENT AND CONSENT OF THE PROPERTY OWNER IS OBTAINED IN WRITING. EASEMENTS AND LEASE LIMITS SHALL BE VERIFIED IN WRITING PRIOR TO STARTING CONSTRUCTION. AGREEMENTS TO WORK IN THESE AREAS IS BY OTHERS NOT POTESTA & INC. ASSOCIATES.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO PAVEMENT, FINISHED GRADES, LANDSCAPING, BUILDINGS, SURVEY MARKERS, ETC.

12. CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR GOVERNING LOCAL AGENCY AS REQUIRED.

13. CONTRACTOR SHALL PERFORM GRADING AND FINISH GRADE THE SITE IN SMOOTH AND CONTINUOUS SLOPES, REMOVE EXCESS EXCAVATION FROM THE SITE, AND PROVIDE CLEAN ENGINEERED BACKFILL WHERE NEEDED FROM OFF SITE.

14. CONTRACTOR SHALL MAINTAIN A CLEAN ORDERLY SITE ON A DAILY BASIS AND AT THE COMPLETION OF WORK REMOVE ALL DEBRIS FROM THE SITE AND AREAS DISTURBED, PERFORM FINAL GRADING, AND SEED AND MULCH ALL AREAS DISTURBED (WHERE APPLICABLE).

15. CONTRACTOR SHALL RETURN ALL DISTURBED AREAS WITHIN EXISTING GRAVEL COMPOUND BACK TO ITS ORIGINAL CONDITION UTILIZING MATERIALS OF LIKE KIND AND CHARACTER AS REMOVED.

16. IF THE SITE INCLUDES AN EXISTING COMPOUND, THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY AND SECURITY OF THE EXISTING GRAVEL COMPOUND AND SHALL RESTORE THE COMPOUND TO ITS ORIGINAL CONDITION UPON COMPLETION OF CONSTRUCTION ACTIVITIES. IF THERE IS A GEOTEXTILE FABRIC PRESENT BELOW THE EXISTING GRAVEL COMPOUND THE CONTRACTOR SHALL PROVIDE A PATCH TO THE FABRIC IN ANY LOCATION WHERE IT IS BROKEN, CUT OR TORN. THE PATCH SHALL CONSIST OF MATCHING OR APPROVED EQUAL FABRIC TO THAT WHICH IS DAMAGED AND SHALL EXTEND ONE (1') FOOT BEYOND THE BREAK IN ALL DIRECTIONS.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR ATTACHING OR SECURING ANY ACCESSORY OR LOOSE ITEMS THAT ARE SHIPPED WITH THE RADIO EQUIPMENT, I.E. TIE DOWN PLATES, ETC., AND SHALL INCLUDE THIS WORK IN THE INSTALLATION PORTION OF THE BID.

18. RADIO EQUIPMENT:

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIAL FOR THE PROPER LIFTING AND SETTING OF THE RADIO EQUIPMENT FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION ON THE CONCRETE FOUNDATION. THE EQUIPMENT SHALL BE LIFTED INTO PLACE BY USING A MINIMUM OF FOUR (4) NYLON LIFTING STRAPS. EACH STRAP SHALL BE RATED AT 8,000# EACH.

19. TOWER ANALYSIS:

EXISTING TOWER AND FOUNDATION ANALYSIS ARE BY OTHERS NOT POTESTA & ASSOCIATES, INC. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH THIS DOCUMENT AND VERIFY COAX ROUTING AND ALL MOUNT ELEVATIONS.

20. AMERICAN CELLULAR SHALL FURNISH ANTENNAS FRAMES, ANTENNAS AND COAX CABLES. CONTRACTOR SHALL INSTALL.

21. CONTRACTOR MATERIAL DELIVERIES:

CONTRACTOR SHALL COORDINATE WITH OWNER (AMERICAN CELLULAR) ON DELIVERIES OF ALL EQUIPMENT & MATERIAL FURNISHED BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PICKUP OF EQUIPMENT & MATERIAL FROM OWNERS FACILITIES AND DELIVER TO SITE. MULTIPLE VISITS MAY BE REQUIRED FOR HARDWARE AND RADIO EQUIPMENT - COORDINATE WITH OWNER. CONTRACTOR SHALL SCHEDULE WITH OWNER NOT LESS THAN 24 HOURS IN ADVANCE.

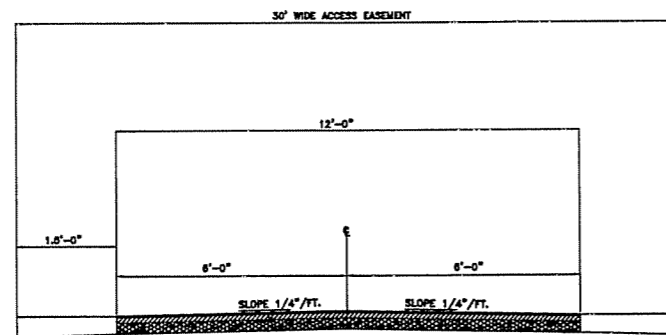
CLOSE OUT DOCUMENTATION

1. THE CONTRACTOR SHALL MAINTAIN TWO (2) COMPLETE AS-BUILT SET OF PLANS AND CONDITIONS, AND SUBMIT SAME TO THE SHARED TOWERS REPRESENTATIVE WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION. THE AS-BUILT PLANS SUBMITTED TO THE SHARED TOWERS REPRESENTATIVE SHALL INCLUDE A DRAWING WITH DIMENSIONS SHOWING THE LOCATION OF THE UNDERGROUND UTILITIES, GROUNDING GRID, BUILDING, EXISTING TOWER, ANTENNA ORIENTATION, AND FENCE WITHIN THE LEASE AREA.

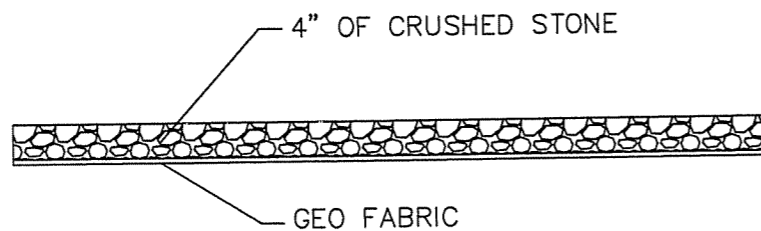
2. THE CONTRACTOR SHALL OBTAIN AMERICAN CELLULAR SWEEP TEST REQUIREMENTS AND PERFORM SWEEP TESTING PER AMERICAN CELLULAR REQUIREMENTS. ALL SWEEPS SHALL BE LABELED AND PROVIDED TO AMERICAN CELLULAR AT CLOSE OUT.

3. THE CONTRACTOR SHALL OBTAIN AMERICAN CELLULAR GROUND FIELD RESISTANCE TEST FORM AND PERFORM ALL SITE GROUND TESTING PER AMERICAN CELLULAR REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE COMPLETED TEST FORM TO AMERICAN CELLULAR AT CLOSE OUT.

4. THE CONTRACTOR SHALL PROVIDE DIGITAL PHOTOS ON DIGITAL MEDIA TO AMERICAN CELLULAR AT CLOSE OUT. PHOTOS SHALL INCLUDE, BUT NOT LIMITED TO ANTENNAS, ANTENNA MOUNTS, GROUNDING, WEATHERPROOFING, ICE BRIDGE, COAX CABLES AND ALL OTHER PICTURES DESCRIBED IN AMERICAN CELLULAR STANDARDS.



TYPICAL ROAD SECTION  
 N.T.S.



TYPICAL COMPOUND SECTION  
 N.T.S.



Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 246 Chestnut Road, Suite 4, Moreington, WV 26048  
 TEL: (304) 226-2246 FAX: (304) 226-2246  
 E-Mail Address: potesta@potesta.com

| REV. | DATE | DESCRIPTION |
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JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, KY

TYPICAL SECTIONS  
 AND GENERAL NOTES

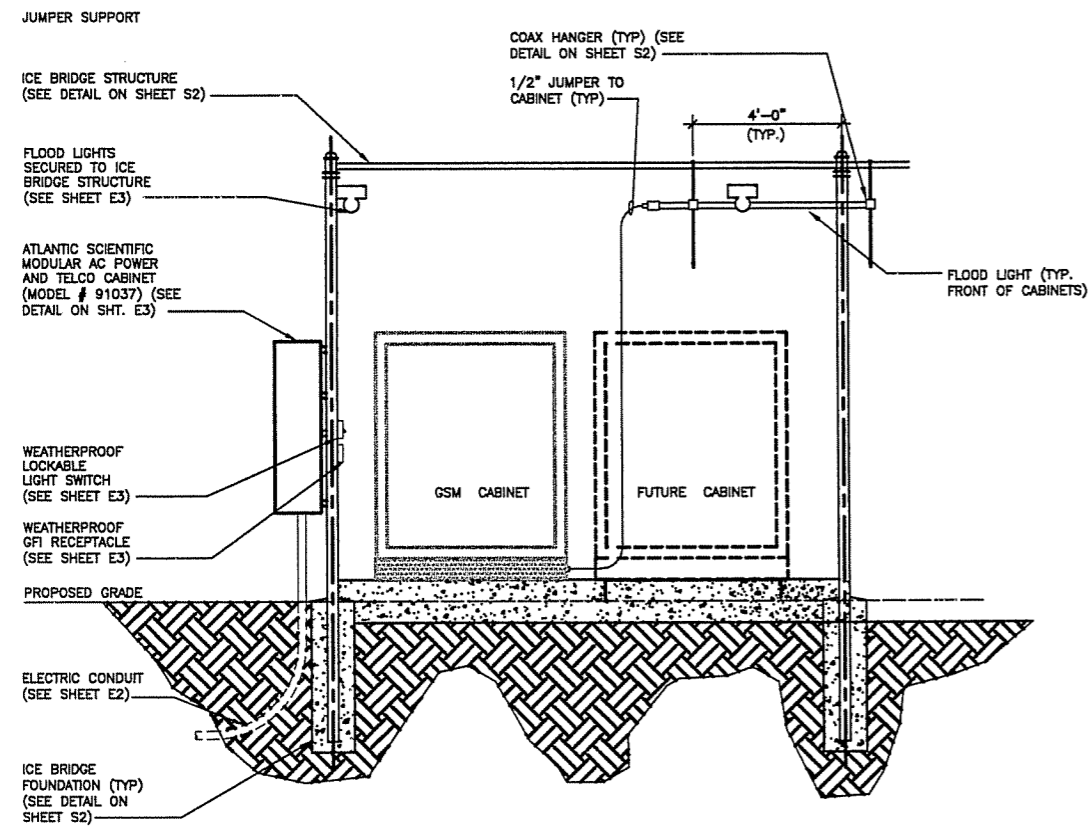
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|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    | DATE    |
| CMJ      | 6/20/05 |
| CHECKED  | DATE    |
| DBS      | 6/22/05 |

JOB NO.  
 04-0614-004

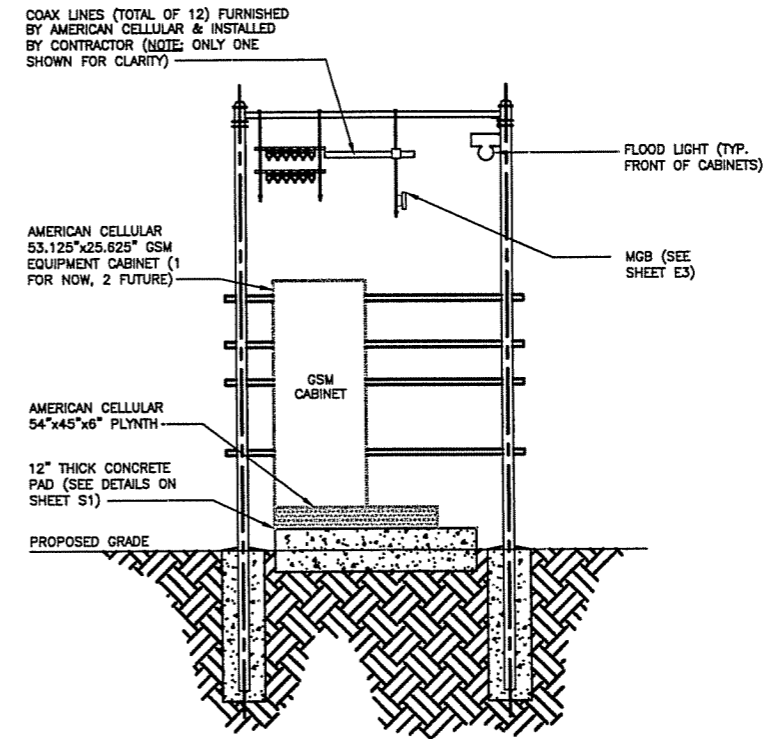
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Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 246 Chaucer Road, Suite 4, Morgantown, WY 26608  
 TEL: (304) 225-2246 FAX: (304) 225-2248  
 E-Mail Address: potesta@potesta.com



SECTION A  
 SCALE: 1/2" = 1'-0"



SECTION B  
 SCALE: 1/2" = 1'-0"

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, KY

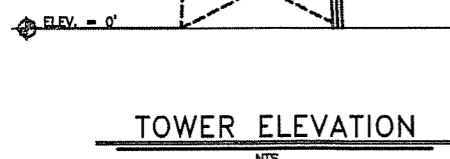
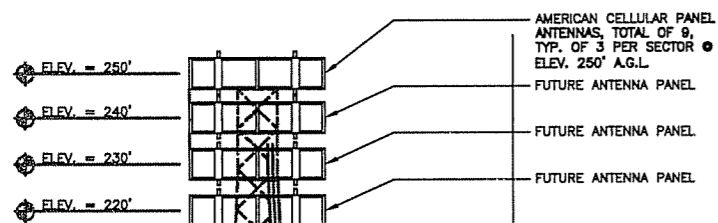
SECTIONS

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    |         |
| CMJ      | 6/20/05 |
| CHECKED  |         |
| DBS      | 6/22/05 |

JOB NO.  
 04-0614-004

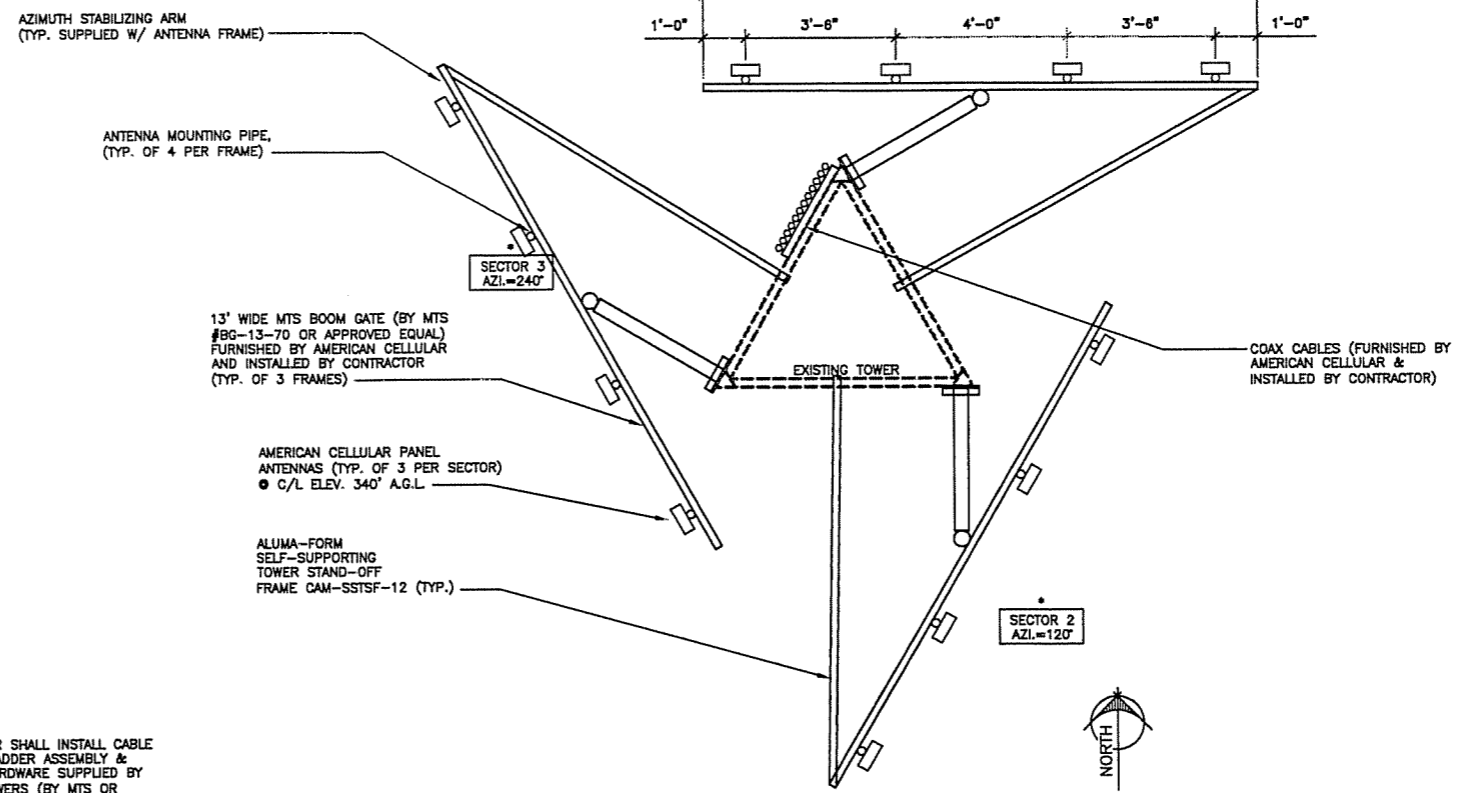
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Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 245 Chest Road, Suite 4, Morgantown, WV 26608  
 TEL: (304) 225-2245 FAX: (304) 225-2246  
 E-Mail Address: potesta@potesta.com



**NOTE:**  
 ALL EXISTING CONDITIONS WITHIN THE SCOPE OF WORK SHALL BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.

**NOTE:**  
 ALL COAX RUNS SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION AS DICTATED BY EXISTING CONDITIONS.

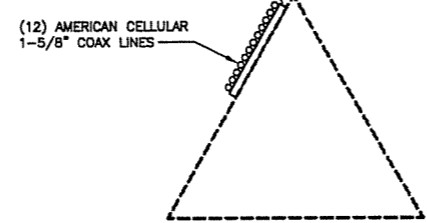


**ANTENNA PLAN**

SCALE: 1/2" = 1'-0"

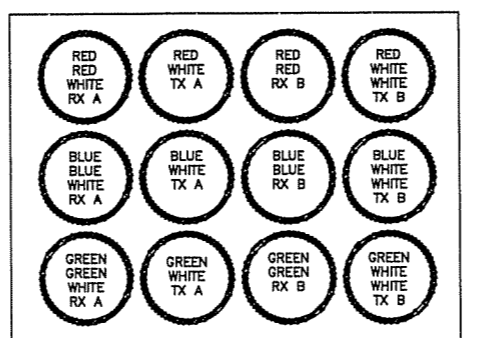
\* VERIFY WITH SHARED TOWERS PRIOR TO INSTALLATION. CONTRACTOR SHOULD OBTAIN FULL INSTALLATION DETAILS IN WRITING.

CONTRACTOR SHALL INSTALL CABLE SUPPORT LADDER ASSEMBLY & RELATED HARDWARE SUPPLIED BY SHARED TOWERS (BY MTS OR APPROVED EQUAL) NOTE: PROVIDE LADDER FOR 12 RUNS.



**COAX LAYOUT**

N.T.S.



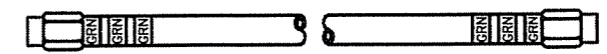
**COAX ENTRY SCHEDULE**

NO SCALE

NOTE: COAX SCHEDULE MAY BE ADJUSTED IN THE FIELD PRIOR TO CONSTRUCTION.  
 NOTE: AS VIEWED WITH BACK TO TOWER, FACING EQUIPMENT CABINET.

| ANTENNA SCHEDULE *          |             |              |             |
|-----------------------------|-------------|--------------|-------------|
| SECTOR                      | 1           | 2            | 3           |
| AZIMUTH                     | *0°         | *120°        | *240°       |
| RAD CENTER (A.G.L.)         | 300'-0"     | 300'-0"      | 300'-0"     |
| INITIAL ANTENNAS PER SECTOR | 3           | 3            | 3           |
| ANTENNA TYPE                | PANEL       | PANEL        | PANEL       |
| ANTENNA MFR.                | SWEDCOM     | SWEDCOM      | SWEDCOM     |
| ANTENNA MODEL No.           | SC4015      | SC-E6014-DIN | SC9012-DIN  |
| MECHANICAL DOWNTILT         | 5°          | 3°           | 5°          |
| ELECTRICAL DOWNTILT         | 0°          | 0°           | 0°          |
| HELJAX SIZE                 | 1-5/8" DIA. | 1-5/8" DIA.  | 1-5/8" DIA. |

\* VERIFY WITH SHARED TOWERS PRIOR TO INSTALLATION. CONTRACTOR SHOULD OBTAIN FULL INSTALLATION DETAILS IN WRITING.



**COLOR CODING**

NO SCALE

1. COLOR BAND ON MAIN LINE TO BE 2" WIDE WITH 1" SPACE MIN. OF 3 WRAPS
2. COLOR BAND ON JUMPERS TO BE 1" WIDE WITH 1" SPACE MIN. OF 3 WRAPS
3. START COLOR BANDS 2" BEYOND WEATHERPROOFING
4. START SECTOR COLOR NEXT TO END CONNECTOR

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, KY

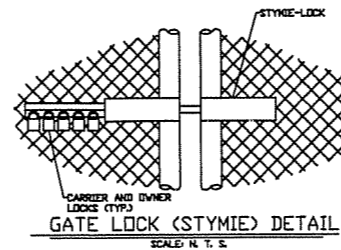
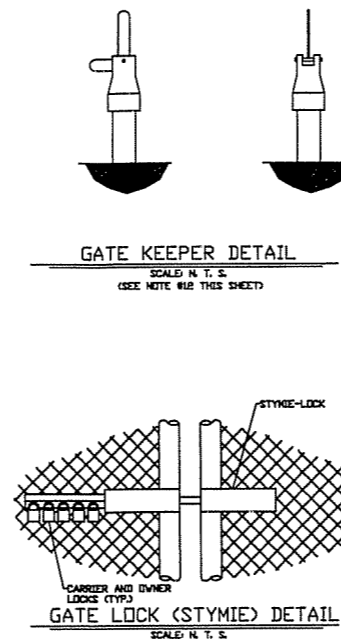
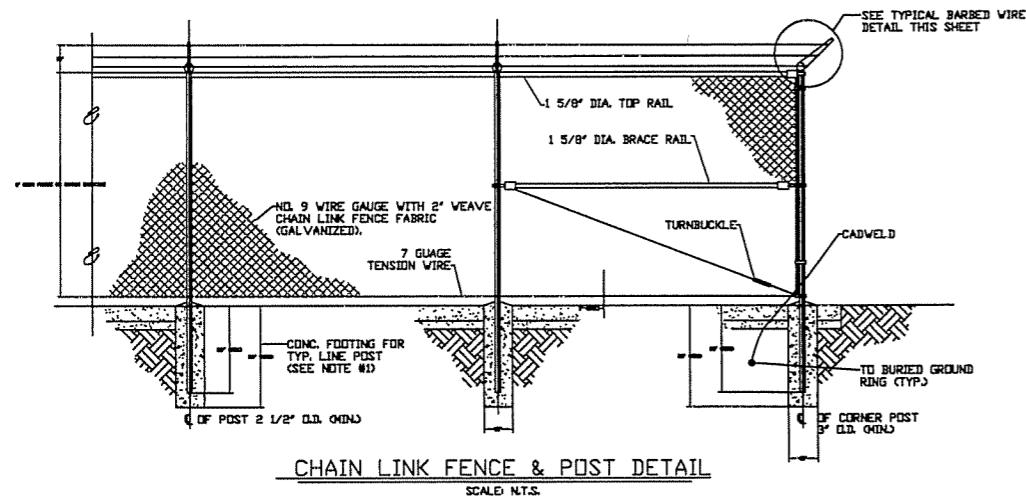
TOWER ELEVATION, ANTENNA PLAN & ANTENNA SCHEDULE

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    | DATE    |
| CMJ      | 6/20/05 |
| CHECKED  | DATE    |
| DBS      | 6/22/05 |

JOB NO.  
 04-0614-004

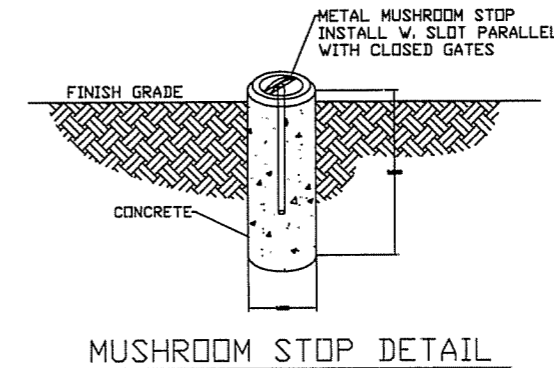
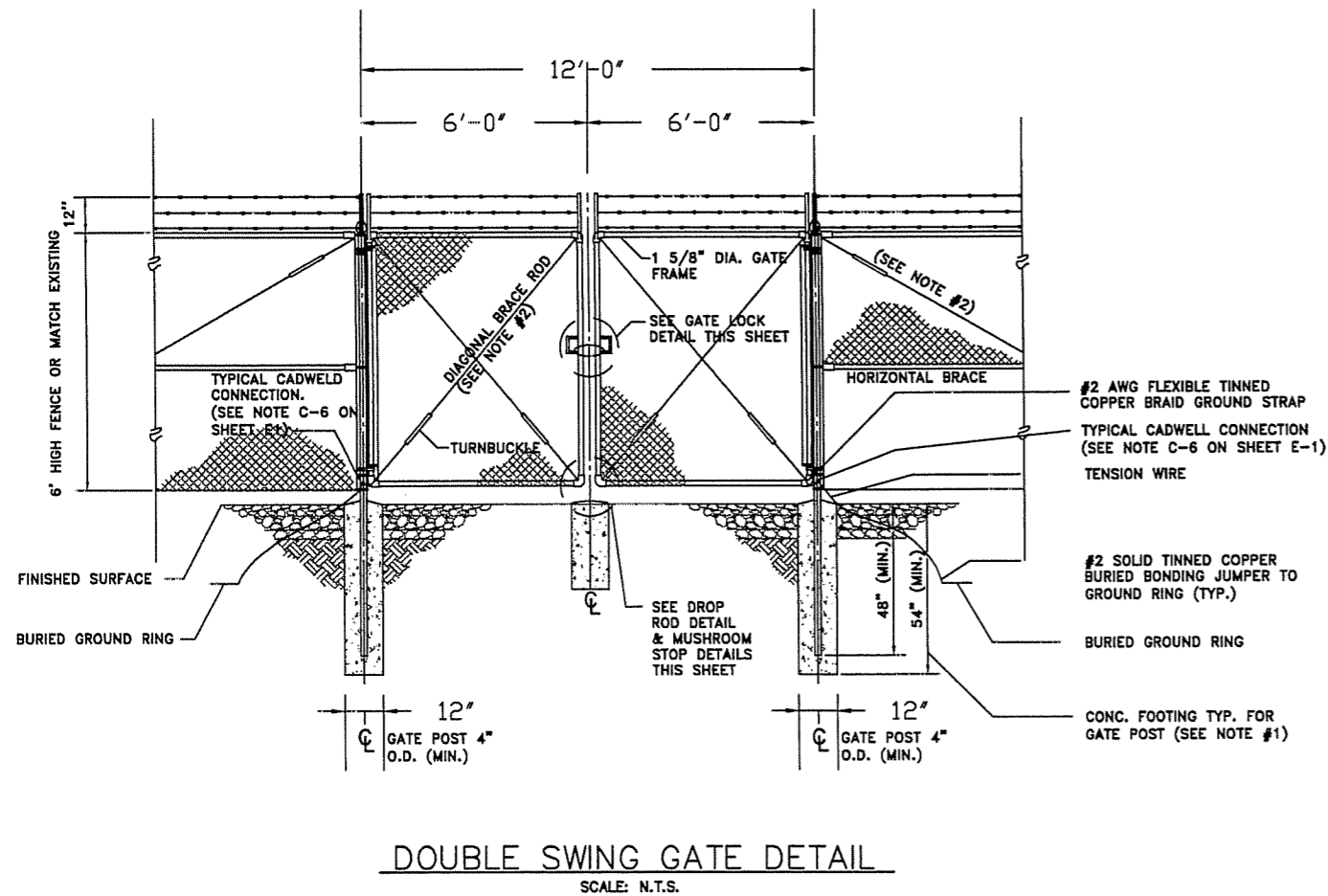
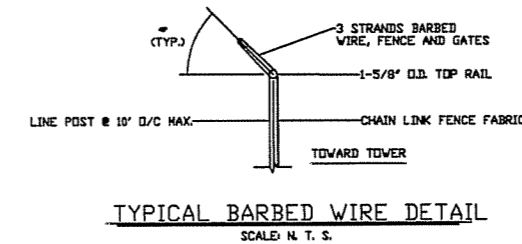
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Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 245 Chuck Road, Suite 4, Meriden, WV 26008  
 TEL: (804) 226-2245 FAX: (804) 226-2246  
 E-Mail Address: potesta@potesta.com



### GENERAL FENCING NOTES

1. BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROST LINE (SEE LOCAL CODE) CONCRETE BASE IS RECOMMENDED MINIMUM AND SHOULD BE REDESIGNED FOR CONDITIONS WHERE SOIL IS POOR. PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI. (MIN.)
2. PROVIDE A DIAGONAL BRACE ROD AND TURNBUCKLE, AS SHOWN, AND ON BOTH SIDES OF THE GATE.
3. ALL FENCE AND FABRIC SHALL BE HOT DIPPED GALVANIZED. ALL BARBED WIRE SHALL BE ALUMINUM (OR COATED PER NO. 8).
4. BOTTOM EDGE OF FENCE FABRIC SHALL BE 1" ABOVE FINISHED GRADE.
5. ALL PIPE SHALL BE SCHEDULE 40. (UNLESS OTHERWISE NOTED)
6. SITE FENCE SHALL BE 6'-0" FABRIC W/ BARBED WIRE.
7. FABRIC TO HAVE 2.0 OZ. ZINC PER SQ. FT.
8. BARBED WIRE TO MEET ASTM A 121 CLASS 3 GALV. OR ASTM A 585, TYPE 1, CLASS 2 COATING (NOT LESS THAN 0.8 OZ. PER SQ. FT.) AND BE TWO STRAND 12.5 GAGE W/4 POINT BARBED AT 5" O.C.
9. CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) STYMIE LOCK.
10. ALL POSTS SHALL BE PLUMB.
11. INSTALL A STYMIE-LOCK PER MANUFACTURERS SPECIFICATIONS. CONTRACTOR SHALL CONTACT STYMIE-LOCK LLC. AT (888-278-9643) P.O. BOX 398 PINEVILLE, NC 28134.



NOTE: BOND EACH HORIZONTAL POLE/BRACER TO EACH OTHER AND TO THE VERTICAL POLE WHICH IS BONDED TO THE BURIED GROUND RING.

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

ORANGEBURG WEST  
 1506 FLEMING ROAD  
 MAYSVILLE, KY

GROUNDING SITE PLAN AND  
 GROUNDING RISER DIAGRAM

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    | DATE    |
| CMJ      | 6/20/05 |
| CHECKED  | DATE    |
| DBS      | 6/22/05 |

JOB NO.  
 04-0614-003

F1

Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 246 Chestnut Road, Suite 4, Morgantown, WV 26508  
 TEL: (304) 226-2245 FAX: (304) 226-2246  
 E-Mail Address: potesta@potesta.com

## NOTES:

### 1. GENERAL PROVISIONS

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF IBC, MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODE AND THE CONTRACT SPECIFICATIONS.

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE JOB CONDITIONS AND RESTRICTIONS.

### 2. STRUCTURAL STEEL

ANGLES ASTM A36  
 BOLTS ASTM A325

A. DETAILING FABRICATION, AND ERECTION SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS.

B. WHEN FORCES ARE NOT SHOWN, THE CONNECTION SHALL DEVELOP 1/2 OF THE ALLOWABLE UNIFORM LOAD AS SPECIFIED IN THE BEAM TABLES OF AISC (ASD). A MINIMUM OF 2 BOLTS SHALL BE USED.

C. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.

D. ALL STEEL TO BE GALVANIZED AFTER FABRICATION ASTM 123.

### 3. FOUNDATION SYSTEM

THE CONTRACTOR SHALL EXERCISE GREAT CARE DURING EXCAVATION. THE CONTRACTOR SHALL PREDETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.

A. THE CONTRACTOR IS HEREBY MADE AWARE THAT NO SUBSURFACE REPORT HAS BEEN PERFORMED AT THIS SITE. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITION, INCLUDING SUBSURFACE CONDITIONS, EMBANKMENT STABILITY, AND ALLOWABLE BREAKING CAPACITY. THE CONTRACTOR SHALL OBTAIN PERMISSION OF OWNER VIA POTESTA PRIOR TO SITE ENTRY FOR THE PURPOSE OF VERIFICATION OF EXISTING SITE CONDITIONS.

B. THE CONTRACTOR SHALL VERIFY A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. IF UNSUITABLE SOILS SUCH AS ORGANIC SOIL, GRANULAR FILL, OR RUBBLE FILL ARE PRESENT THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR FURTHER INSTRUCTIONS ABOUT PLACING CONCRETE.

C. ALL CONCRETE SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 7 DAYS FOR THE BUILDING FOUNDATION, AND AT 28 DAYS FOR ALL OTHER CONCRETE. VIBRATED; EXECUTED IN ACCORDANCE WITH ACI-318-02 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE; TESTED; AND CONSTRUCTED WITHIN 1/8" OF THE ELEVATIONS SPECIFIED HEREIN. PRIOR TO PLACING ANY CONCRETE, THE CONTRACTOR SHALL SUBMIT A CONCRETE DESIGN MIX TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE TEST CYLINDERS FOR TESTING IN ACCORDANCE WITH ASTM C-31 AND C-39, WITH A MINIMUM OF 1 CYLINDER PER FEATURE, MOLDED IN ACCORDANCE WITH ASTM-172. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING LAB FEES.

D. ALL REINFORCING STEEL SHALL BE TIED, CONFORM TO ASTM-A615/AB15M-94 GRADE 60 AND BE DETAILED IN ACCORDANCE WITH ACI-318-02 AND SHALL HAVE MINIMUM COVER OF 3 INCHES, UNLESS NOTED OTHERWISE.

E. RADIO EQUIPMENT; THE GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIAL FOR THE PROPER LIFTING AND SETTING OF THE RADIO EQUIPMENT FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION ON THE CONCRETE FOUNDATION. THE EQUIPMENT SHALL BE LIFTED INTO PLACE BY USING A MINIMUM OF FOUR (4) NYLON LIFTING STRAPS. EACH STRAP SHALL BE RATED AT 8,000# EACH.

F. CONTRACTOR SHALL VERIFY UTILITY ENTRANCES W/RADIO EQUIPMENT CABINET MANUFACTURER BEFORE POURING FOUNDATION.

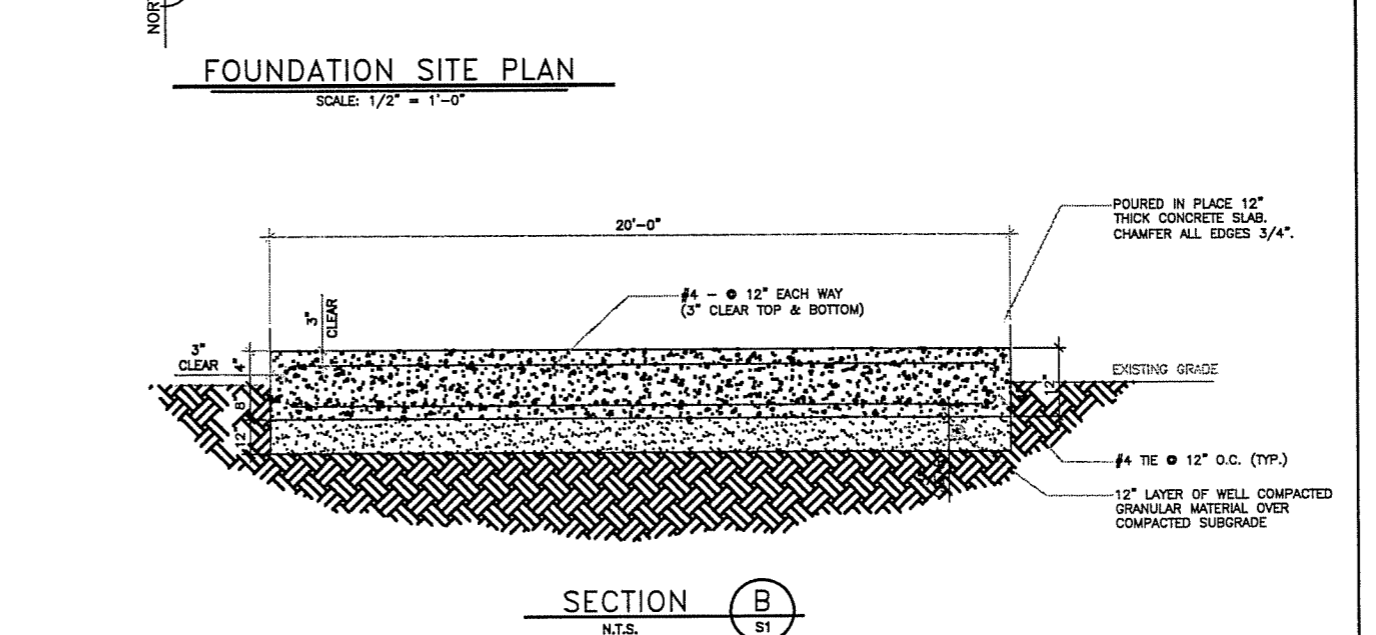
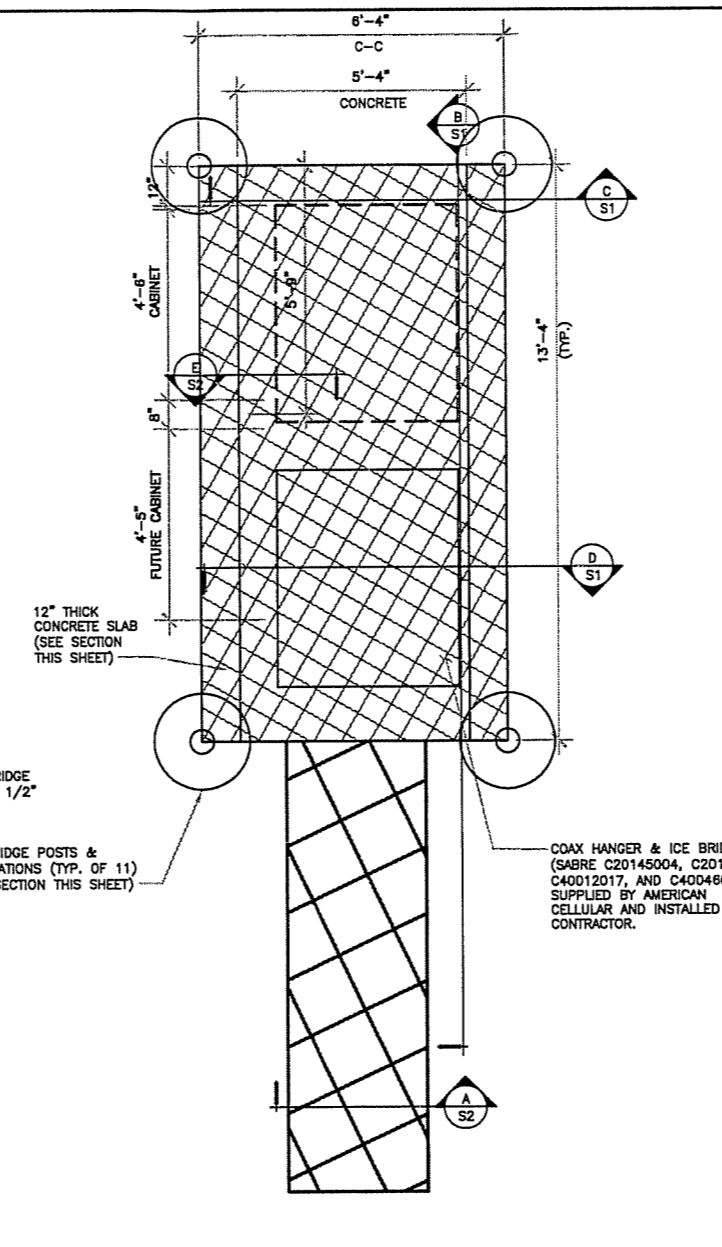
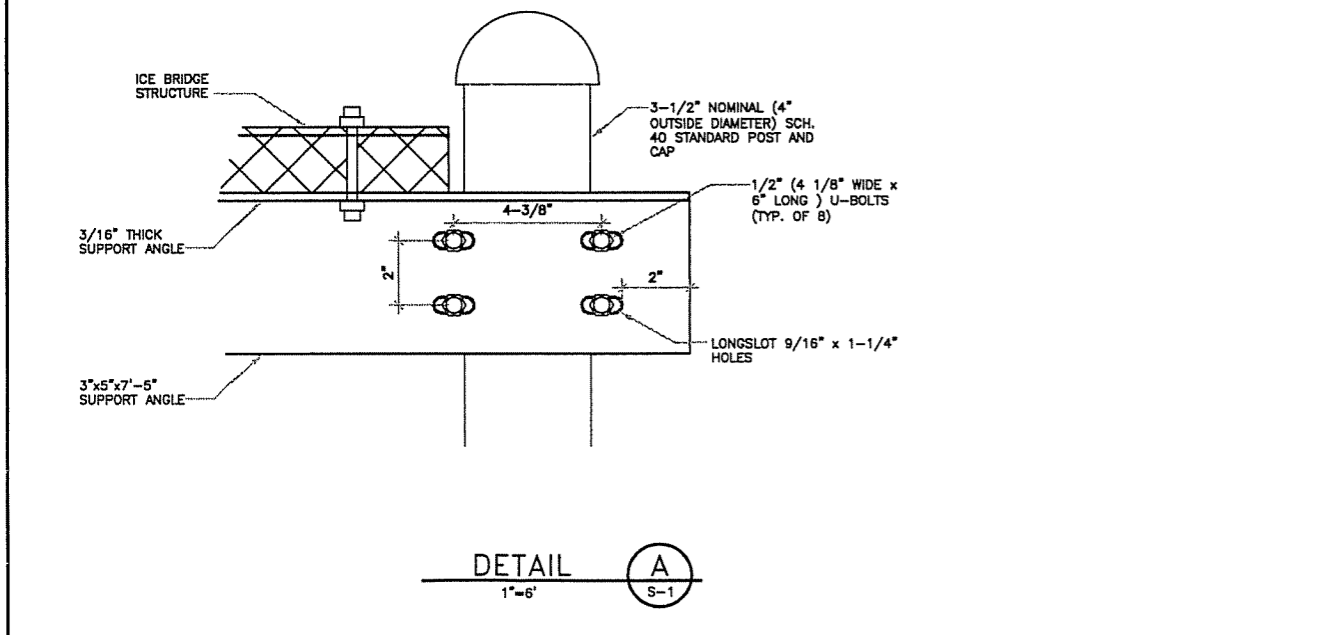
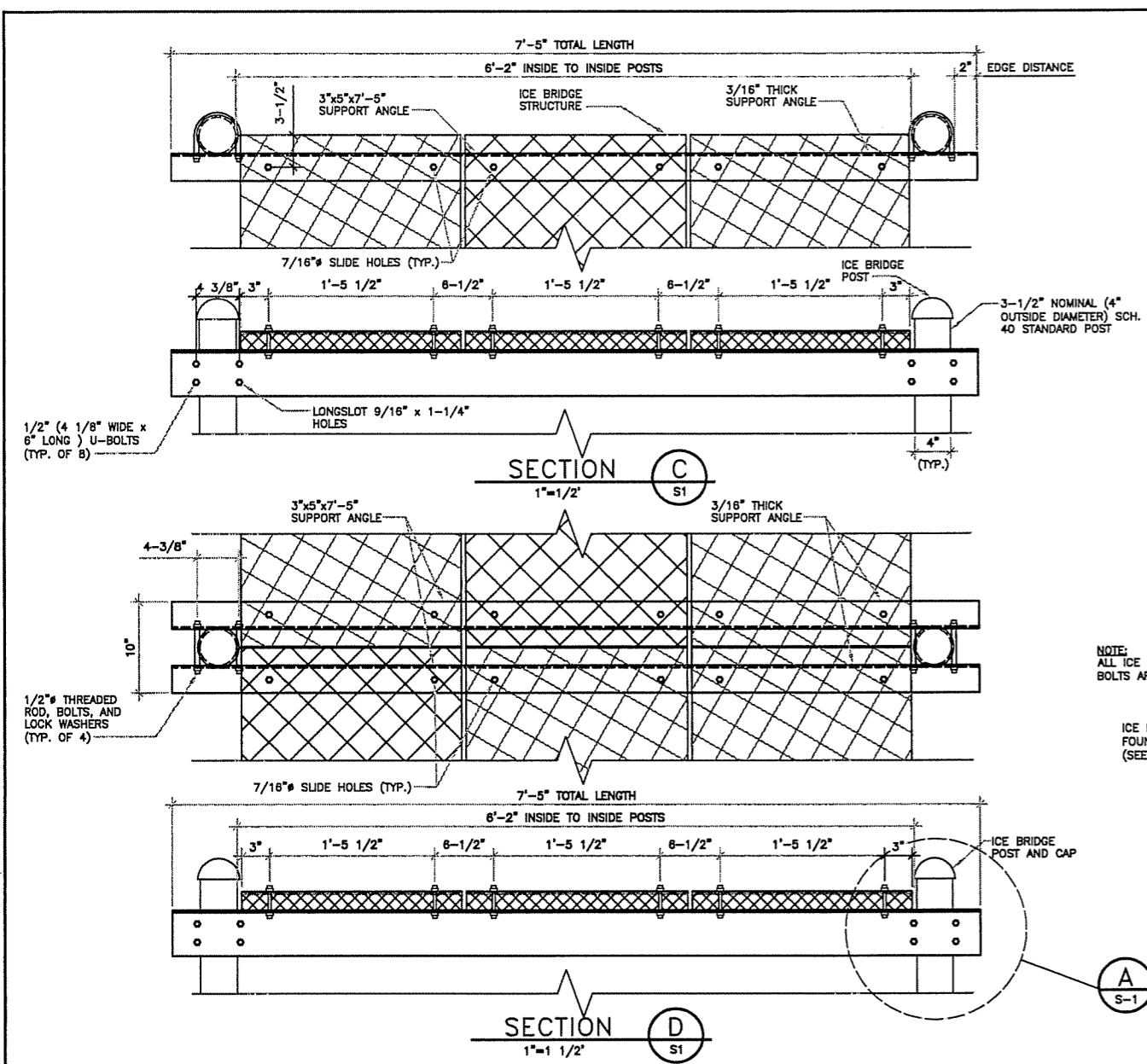
### 4. CONCRETE WORK:

CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")

### 5. UTILITY PROTECTION SERVICE:

KENTUCKY UNDERGROUND PROTECTION, INC 1-800-752-6007

PRIOR TO ANY DIGGING OR DRILLING.



| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, KY

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    | CMJ     |
| CHECKED  | DBS     |
|          | 6/22/05 |

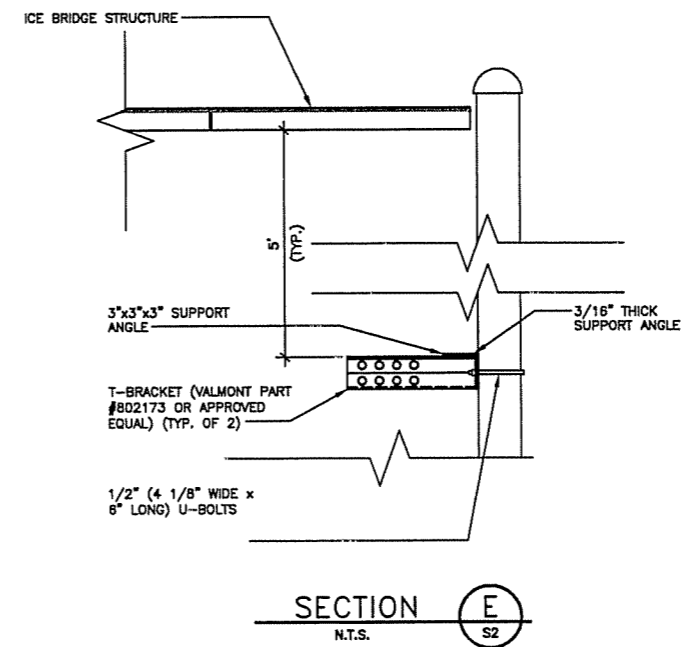
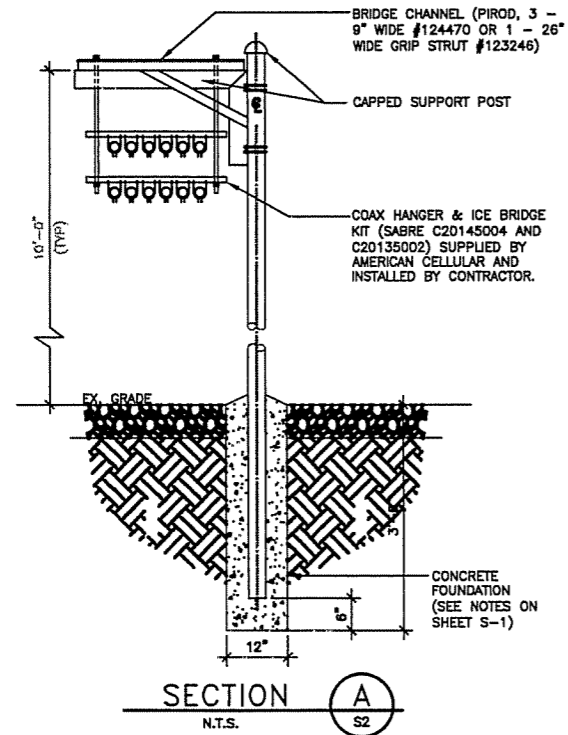
JOB NO.  
 04-0614-004

S1

ICE BRIDGE AND FOUNDATION  
 DETAILS & STRUCTURAL NOTES



Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 246 Chest Road, Suite 4, Morgantown, WV 26608  
 TEL: (304) 225-2246 FAX: (304) 225-2248  
 E-Mail Address: potesta@potesta.com



| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, KY

STRUCTURAL AND FOUNDATION  
 DETAILS

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    |         |
| CMJ      | 6/20/05 |
| CHECKED  |         |
| DBS      | 6/22/05 |

JOB NO.  
 04-0614-004

S2

GENERAL NOTES - ELECTRIC WORK

A. WORK INCLUDED:

THIS SPECIFICATION AND ACCOMPANYING DRAWINGS CONTEMPLATE THE PROVISIONS AND INSTALLATION, BY THE ELECTRICAL CONTRACTOR OF ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL THE ELECTRICAL WORK COMPLETE IN CONNECTION WITH THIS AMERICAN CELLULAR SYSTEMS SITE AND SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

1. THE PROVISIONS, INSTALLATION AND CONNECTION OF A GROUNDING ELECTRODE SYSTEM COMPLETE WITH A EQUIPMENT CABINET AND SECONDARY GROUNDING, EX. TOWER GROUNDING AND CONNECTIONS TO THE INCOMING ELECTRICAL DISTRIBUTION EQUIPMENT.
2. THE PROVISIONS AND INSTALLATION OF AN ELECTRICAL SERVICE AND ALL ASSOCIATED WIRE AND CONDUIT AS REQUIRED AND/OR INDICATED ON PLANS.
3. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. (UNLESS OTHERWISE NOTED).
4. ALL SPARE CONDUITS SHALL BE LEFT WITH PULL WIRE FOR FUTURE USE. STUB BOTH ENDS OF SPARE CONDUIT UP AT 12" ABOVE FINISHED GRADE. INSTALL PLUGS AT BOTH ENDS OF SPARE CONDUITS.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL SERVICE ENTRANCE CONDUCTORS AND CONDUIT AND MAKE THE CONNECTION TO THE SERVICE EQUIPMENT WITHIN THE EQUIPMENT CABINET.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL 200# TEST PULL LINE IN ALL SPARE CONDUIT.
7. CONTRACTOR SHALL NOTIFY ELECTRIC AND TELEPHONE SERVICES CONTACT AT START OF CONSTRUCTION.
8. ABOVE GRADE RISER CONDUIT SHALL BE GALVANIZED STEEL WITH MATCHING FITTINGS.
9. THE CONTRACTOR SHALL PERFORM ALL WORK SHOWN ON THE EQUIPMENT DRAWINGS NOTED "FIELD WORK" OR OTHERWISE NOTED AS WIRING TO BE COMPLETED IN THE FIELD.
10. ALL WIRE SHALL BE (COPPER, 600V THHW, 90°C) UNLESS NOTED OTHERWISE.
11. CONTRACTOR SHALL MAINTAIN THE DISTANCE OF 12" BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.
12. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF GROUNDING PRIOR TO TRENCHING.

B. CODES, PERMITS AND FEES:

1. ALL REQUIRED PERMITS, LICENSES, INSPECTIONS AND APPROVALS SHALL BE SECURED AND ALL FEES FOR SAME PAID BY CONTRACTOR.
2. THE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES; STATE, LOCAL AND NATIONAL, AND THE DESIGN, PERFORMANCE CHARACTERISTICS AND METHODS OF CONSTRUCTION OF ALL ITEMS AND EQUIPMENT, SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF THE VARIOUS APPLICABLE STANDARD SPECIFICATIONS OF THE FOLLOWING RECOGNIZED AUTHORITIES:  
 A.N.C.I. - AMERICAN NATIONAL STANDARDS INSTITUTE  
 I.E.E.E. - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS  
 N.E.C. - NATIONAL ELECTRIC CODE  
 N.E.M.A. - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION  
 N.F.P.A. - NATIONAL FIRE PROTECTION ASSOCIATION  
 U.L. - UNDERWRITERS LABORATORIES, INC.
3. THE CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN THE STATE, CITY OR COUNTY OF THE PROJECT SITE AS REQUIRED.

C. GROUNDING ELECTRODE SYSTEM

1. CONNECTIONS  
 ALL GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL), UNLESS OTHERWISE SHOWN. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, TEE'S, X'S, ETC. ALL CABLE TO GROUND RODS, GROUND ROD SPLICES AND LIGHTNING PROTECTION SYSTEM AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE BY "CADWELD" AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND PROCEDURES.

2. GROUND RODS  
 ALL GROUND RODS SHALL BE 5/8" DIAMETER x 8'-0" LONG (MIN.) STAINLESS STEEL OR COPPER CLAD STEEL, "COPPERWELD" OR APPROVED EQUAL OF THE NUMBER AND AT LOCATIONS INDICATED; GROUND RODS SHALL BE DRIVEN FULL LENGTH VERTICAL IN UNDISTURBED EARTH SO THAT THE TOP IS 42" BELOW FINISHED GRADE. ALL GROUND RODS SHALL BE AT LEAST 10' APART UNLESS OTHERWISE NOTED.

3. GROUNDING LEADS  
 ALL GROUND LEADS TO BURIED GROUND RINGS SHALL BE #2 AWG TINNED SOLID COPPER. COIL 6' OF #2 AWG TINNED SOLID COPPER AT EACH EQUIPMENT CABINET, COAX ENTRY GROUND BAR, PIPE BRIDGE SUPPORT FOUNDATIONS AND TOWER FOUNDATIONS FOR TERMINATION BY ELECTRICAL CONTRACTOR. AFTER CABINET INSTALLATION, ELECTRICAL CONTRACTOR SHALL SPLICE GROUND RING LEAD TO #2 AWG INSULATED STRANDED COPPER WIRE SUPPLIED WITH CABINET.

4. GROUND RING  
 THE GROUND RING ENCIRCLING THE EQUIPMENT PAD SHALL BE #2 AWG TINNED SOLID COPPER CABLE IN DIRECT CONTACT WITH THE EARTH AT A DEPTH OF NOT LESS THAN 42". CONDUCTOR BENDS SHALL HAVE A MINIMUM RADIUS OF 12". MAINTAIN 2" CLEAR OF FOUNDATIONS.

5. BACKFILL  
 NON-CORROSIVE, LOW RESISTIVITY MATERIAL FREE OF STONE, DEBRIS, ETC. AND TAMPED DOWN THOROUGHLY IN LAYERS NOT EXCEEDING SIX (6) INCHES IN DEPTH, TO AT LEAST 95% OF ORIGINAL DENSITY BEFORE EXCAVATION.

6. MISCELLANEOUS  
 ALL EXTERIOR METAL SHALL BE CONNECTED TO THE GROUNDING SYSTEM WITH HIGH PRESSURE 2-BOLT LUG BY BURNDY OR BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL) AS APPLICABLE. ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL), AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND PROCEDURES. ALL MECHANICAL FASTENERS CONNECTIONS TO ALL GROUND BARS SHALL BE LUBRICATED WITH A CORROSION INHIBITER THOMAS AND BETTS KOPR - SHIELD.

7. UTILITY COMPANY COORDINATION  
 ELECTRICAL CONTRACTOR SHALL COMPLETE ALL WORK IN ACCORDANCE WITH THE RULES OF THE LOCAL UTILITY COMPANY. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES SUPPLYING SERVICE TO THIS PROJECT AND SHALL DETERMINE FROM THEM ALL EQUIPMENT AND CHARGES WHICH THEY WILL REQUIRE AND SHALL INCLUDE THE COST IN HIS BID WHENEVER POSSIBLE.

B. GROUND TEST

GROUND TESTS SHALL BE PERFORMED UTILIZING A BIDDLE GROUND OHMMER OR THE METHOD OF USING TWO AUXILIARY GROUND RODS (AS DESCRIBED IN I.E.E.E. STANDARD No. 550, PARAGRAPH 3.42) MAY BE USED. THE I.E.E.E. METHOD REQUIRES THE USE OF AN A.C. TEST CURRENT. THE AUXILIARY TEST RODS MUST BE SUFFICIENTLY FAR AWAY FROM THE ROD UNDER TEST SO THAT THE REGIONS IN WHICH THEIR RESISTANCE IS LOCATED, DO NOT OVERLAP. CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO EXISTING OR NEW GROUNDING.

D. TESTING

1. ALL TEST SHALL BE PERFORMED BY AUTHORIZED AND QUALIFIED PERSONNEL.
2. CONTRACTOR SHALL CONDUCT GROUND RESISTANCE TEST IN THE FORMAT AS FOLLOWS: PERFORM TEST WITH THE GROUND RODS CONNECTED, WITH DRY SOIL AND WHEN NO STANDING WATER HAS BEEN PRESENT FOR THE PAST TEN DAYS. IF THE RESISTANCE OF THE ENTIRE SYSTEM EXCEEDS 5 OHMS, THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED SO THAT EITHER ADDITIONAL AND/OR DEEPER RODS CAN BE INSTALLED.
3. THE CONTRACTOR SHALL CALL AN AMERICAN CELLULAR REPRESENTATIVE FOR INSPECTION OF THE GROUNDING SYSTEM 48 HOURS PRIOR TO ITS COMPLETION. THE SYSTEM SHALL BE LEFT UNCOVERED UNTIL APPROVED.

4. UPON COMPLETION OF THE GROUNDING SYSTEM, THE ELECTRICAL CONTRACTOR SHALL RECHECK TEST THE GROUNDING SYSTEM. THE MAXIMUM RESISTANCE LEVEL IS 5 OHMS. A COMPLETE WRITTEN REPORT SHALL BE SUBMITTED STATING ACTUAL RESISTANCE READING, LOCATION, DATE, TIME AND WEATHER CONDITIONS AND SOIL MOISTURE CONTENT. THE TEST EQUIPMENT USED SHALL BE IDENTIFIED BY MANUFACTURER, MODEL AND SERIAL NUMBERS. IF 5 OHMS IS EXCEEDED WITH CURRENT CONFIGURATION, ELECTRICAL CONTRACTOR SHALL SUBMIT A QUOTE TO LOWER RESISTANCE TO 5 OHMS OR LESS, TO AMERICAN CELLULAR SYSTEMS.

E. ELECTRICAL LOADS

1. THE EQUIPMENT IS SET UP FOR A 200 AMP, 120/240 VOLT, SINGLE PHASE, THREE WIRE ELECTRICAL SERVICE. THE TOTAL CONNECTED LOAD IS 10.1 KILOWATT-AMPERES (KVA).

SPECIAL CONTRACTOR NOTES

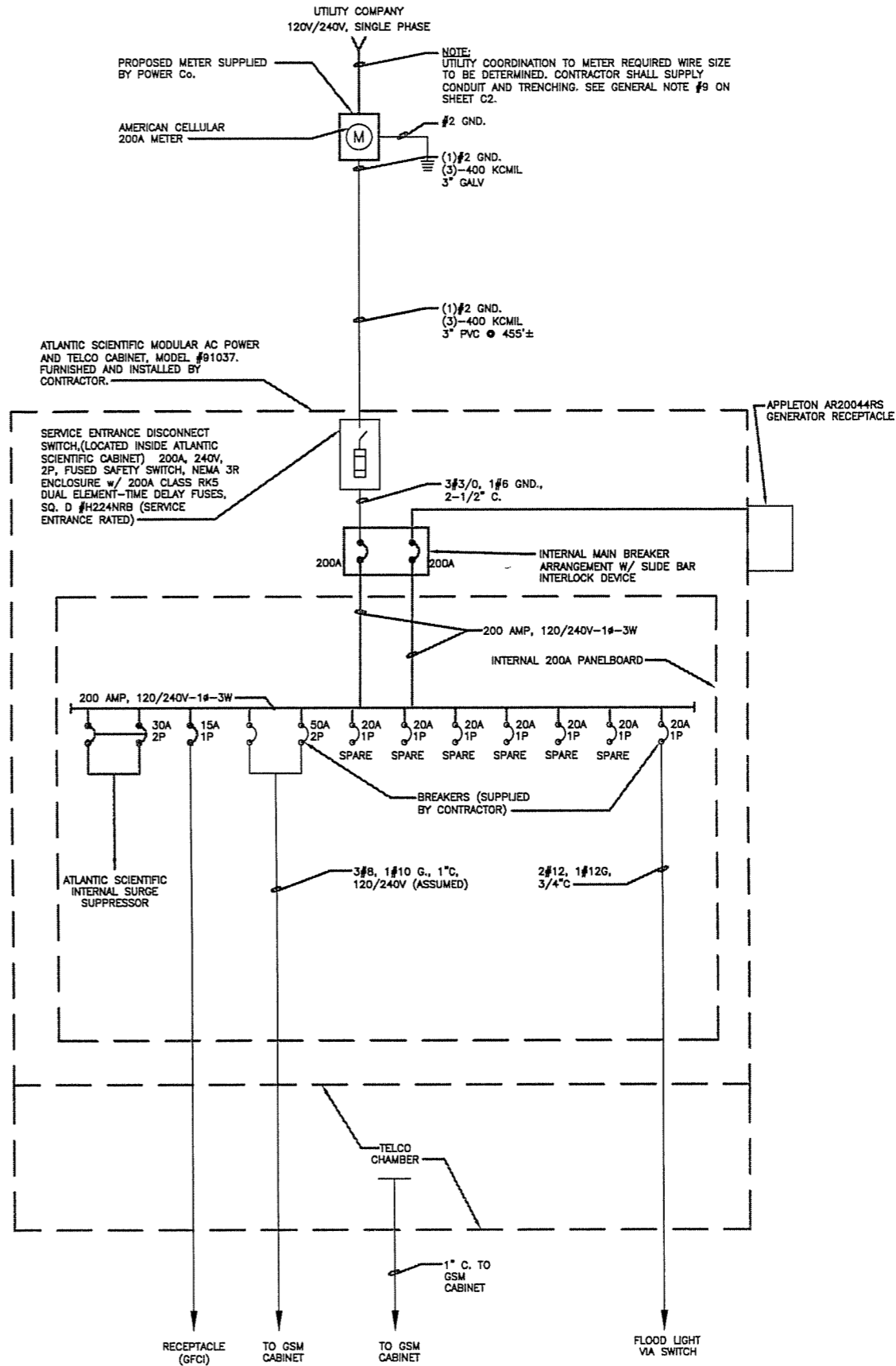
NOTE 1:

1. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF GROUNDING PRIOR TO TRENCHING.
2. IF EXISTING GROUND RING EXISTS, CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO EXISTING OR NEW GROUNDING.

NOTE 2:

1. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION.
2. CONTRACTOR SHALL HAND DIG IN THE VICINITY OF ALL EXISTING LINES.

NOTE:  
 1. ITEMS SHOWN DARK INDICATES NEW WORK  
 2. ITEMS SHOWN LIGHT ARE SUPPLIED WITH PANEL



SINGLE LINE DIAGRAM

NO SCALE



Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 245 Chest Road, Suite 4, Monticello, NY 12548  
 TEL: (518) 226-2246 FAX: (518) 226-2248  
 E-Mail Address: potesta@potesta.com

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, NY

SINGLE LINE DIAGRAM  
 AND ELECTRICAL NOTES

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    |         |
| CMJ      | 6/20/05 |
| CHECKED  |         |
| DBS      | 6/22/05 |

JOB NO.  
 04-0614-004

E1

Potesta & Associates, Inc.  
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS  
 246 Chest Road, Suite 4, Morgantown, WV 26508  
 TEL: (304) 226-2246 FAX: (304) 226-2248  
 E-Mail Address: potesta@potesta.com

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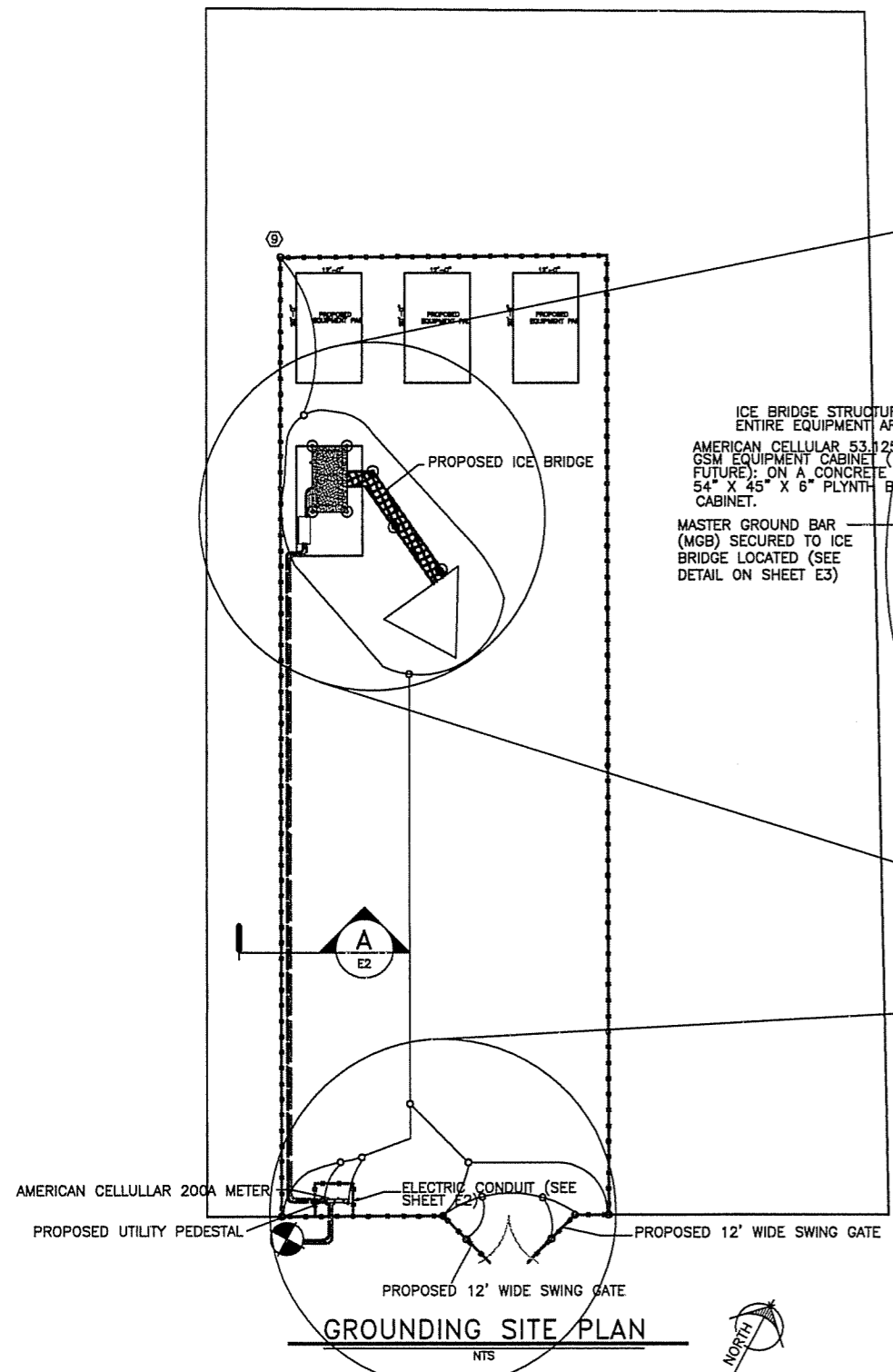
JAMESTOWN  
 263 NORTH MAIN ST.  
 JAMESTOWN, KY

GROUNDING SITE PLAN AND  
 GROUNDING RISER DIAGRAM

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 6/20/05 |
| DRAWN    | CMJ     |
| CHECKED  | DBS     |
|          | 6/22/05 |

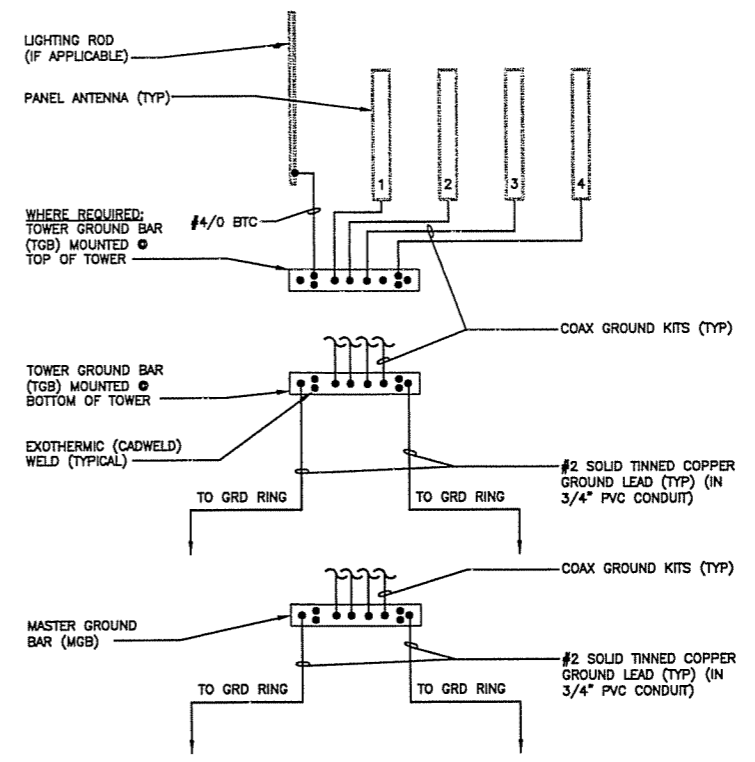
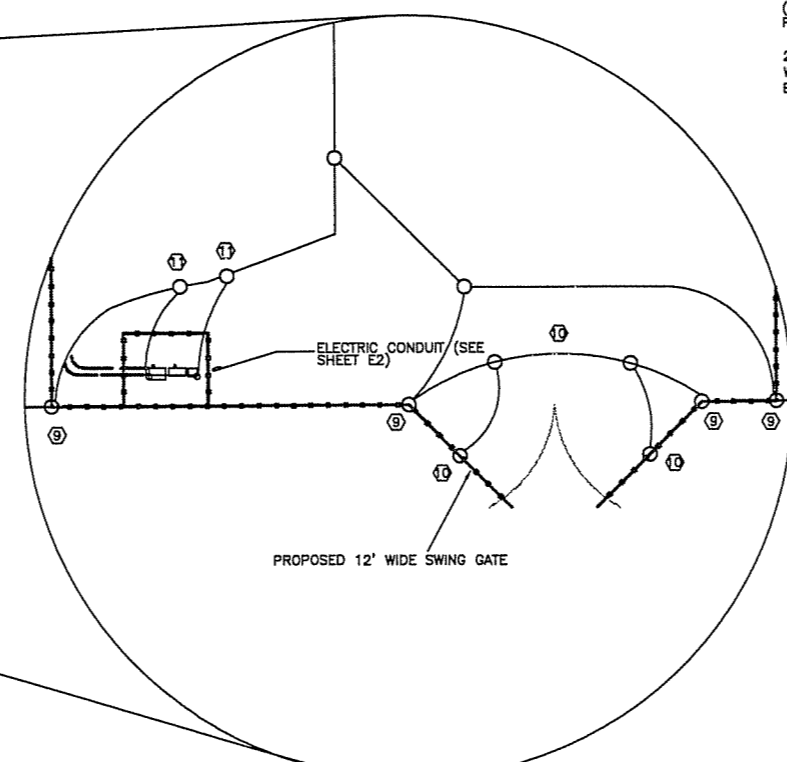
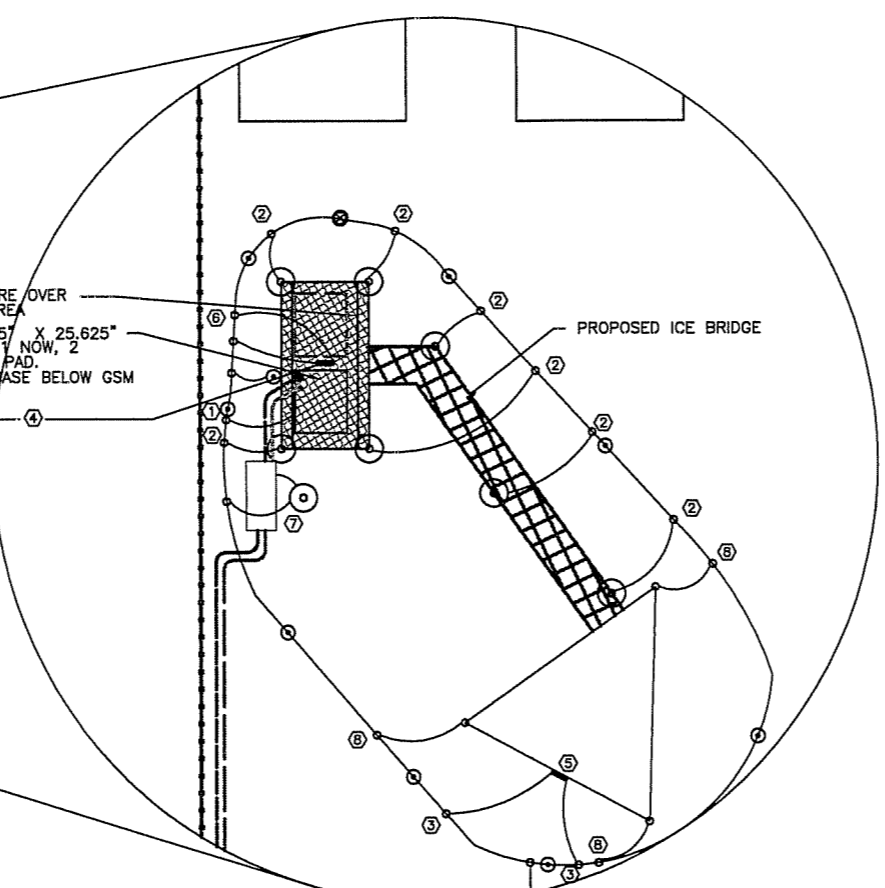
JOB NO.  
 04-0614-004

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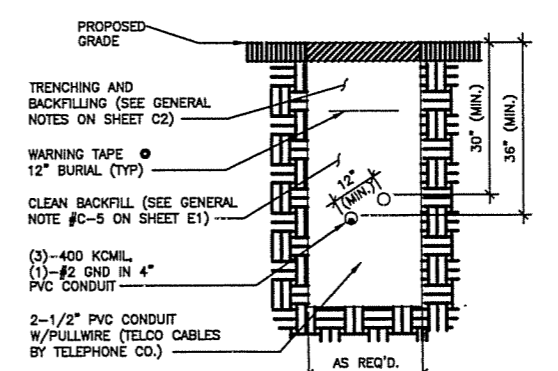


### GROUNDING LEGEND

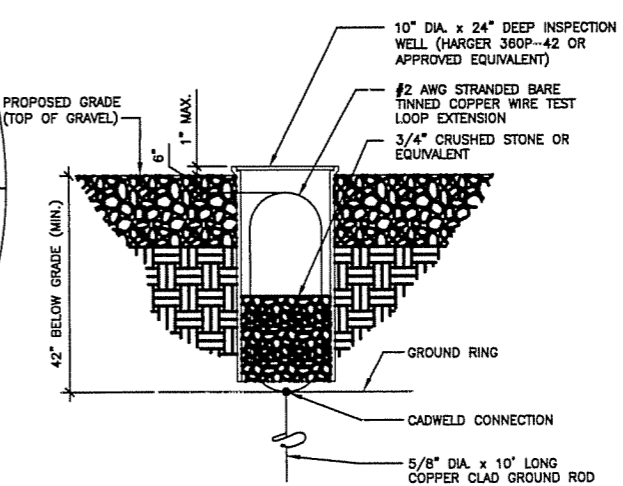
- BTC = BARE TINNED COPPER
  - ① GSM CABINET GROUND LEAD
  - ② ICE BRIDGE SUPPORT GROUND LEAD
  - ③ GROUND LEADS TO TOWER GROUND BAR
  - ④ MASTER GROUND BAR (SEE SHEET E3)
  - ⑤ TOWER GROUND BAR (SEE SHEET E3)
  - ⑥ GROUND LEADS TO MASTER GROUND BAR
  - ⑦ POWER GROUND LEAD
  - ⑧ TOWER GROUND LEAD
  - ⑨ FENCE GROUND
  - ⑩ GATE GROUND LEAD
  - ⑪ PEDESTAL GROUND
  - ⊙ GROUND ROD (TYPICAL)
  - ⊗ TEST WELL (TYPICAL)
  - EXOTHERMIC WELD
  - GROUND BAR (TYP.)
  - NEW GROUNDING
- NOTE:  
 ALL #2 AWG BTC CONDUCTORS SHALL BE EXOTHERMIC WELD TO GROUND BARS. COMPRESSION LUGS ARE NOT ACCEPTABLE ON SOLID CONNECTORS.



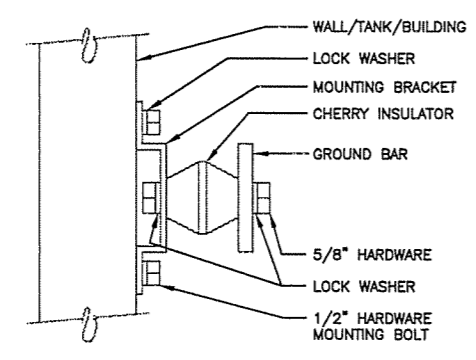
### GROUNDING RISER DIAGRAM



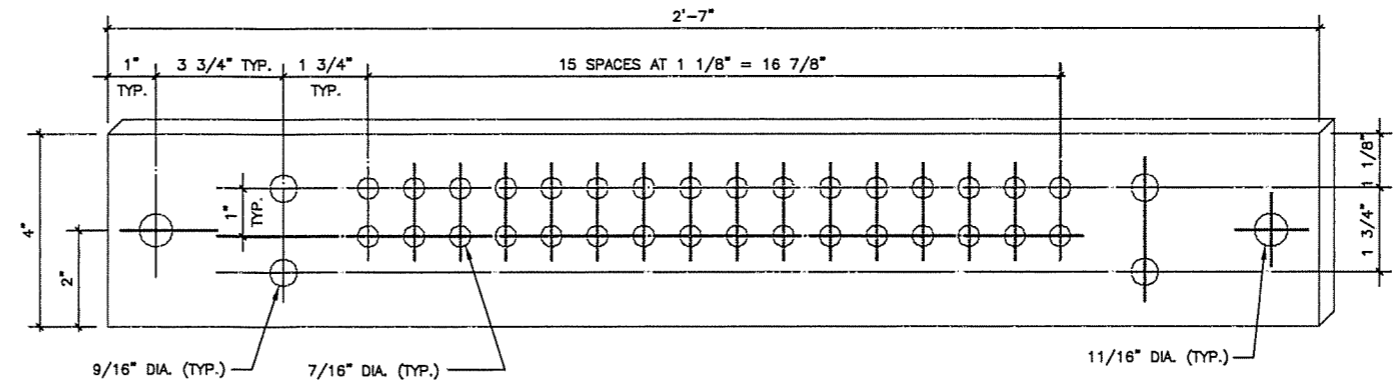
### TRENCH SECTION



### TEST WELL DETAIL

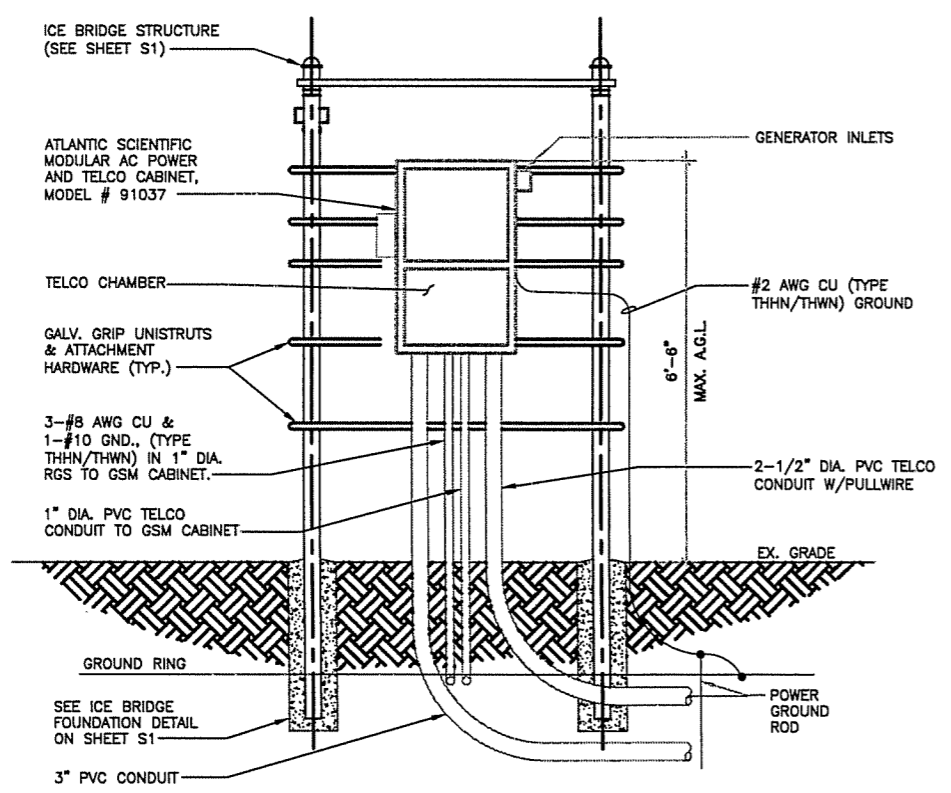


**GROUND BAR MOUNTING**  
 SCALE: N. T. S.

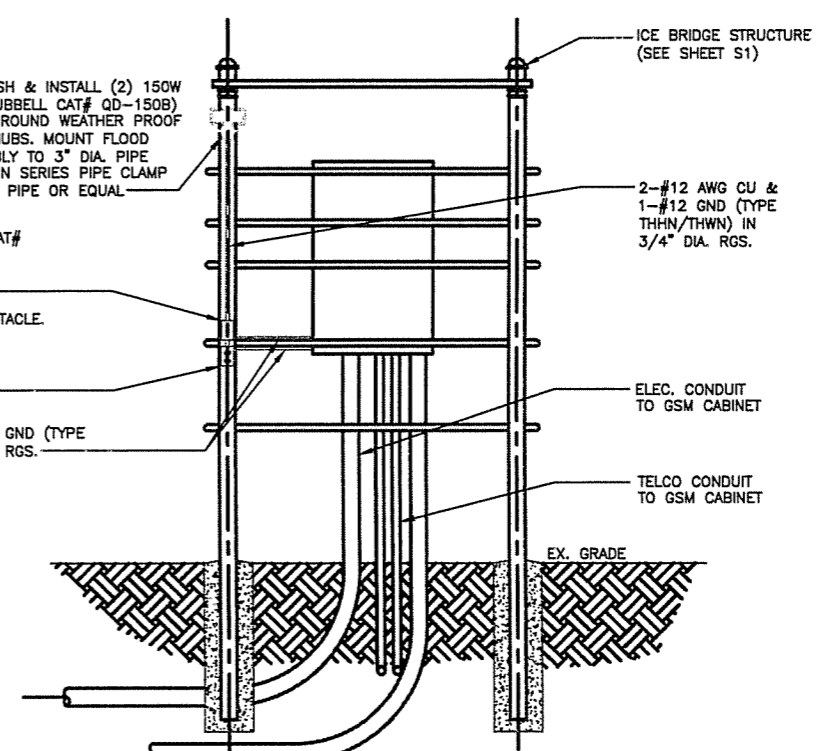


**MASTER & TOWER GROUND BAR (MGB & TGB)**  
 SCALE: N. T. S.

ALL GROUND BAR'S SHALL BE CONSTRUCTED FROM 1/4\"/>



**H-FRAME (FRONT VIEW)**  
 N.T.S.



**H-FRAME (REAR VIEW)**  
 N.T.S.

CONTRACTOR SHALL FURNISH & INSTALL (2) 150W QUARTZ FLOOD LIGHTS (HUBBELL CAT# QD-150B) MOUNT FLOOD LIGHTS ON ROUND WEATHER PROOF BOX & COVER W/ 3/4\"/>

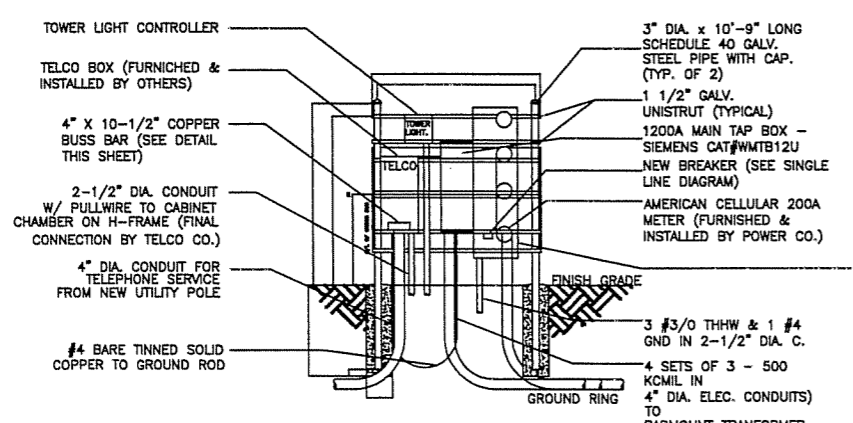
WEATHERPROOF LOCKABLE LIGHT SWITCH, HUBBELL CAT# HBL1221RKL (SWITCH) WFFS26 (COVER PLATE) SWB5 (BOX)

WEATHERPROOF GFI RECEPTACLE, HUBBELL CAT# GFR5352IA (RECEPTACLE) WFFS26 (COVER PLATE) SWBZ (BOX)

2-#12 AWG CU & 1-#12 GND (TYPE THHN/THWN) IN 3/4\"/>

**NOTE :**  
 ALL ITEMS SHALL BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR (E.C.) UNLESS NOTED OTHERWISE.

**NOTE:**  
 CONTRACTOR SHALL COORDINATE W/LOCAL POWER CO. ON ALL REQUIREMENTS OF INSTALLATION OF CONDUITS. (FINAL CONNECTIONS BY POWER CO.)



**ELECTRICAL PEDESTAL**  
 NOT TO SCALE

NEMA 3R SERVICE METER, FOUR 200A METER STACKS - SIEMENS CAT#W1MM3200 WITH HOPP 200 CIRCUIT BREAKER, AS APPROVED BY POWER CO. AND INSTALLED BY E.C. (FASTEN TO UNISTRUT WITH VE SERIES UNISTRUT FIBERGLASS SPRING NUTS)

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|      |      |             |

ORANGEBURG  
 1503 FLEMING ROAD  
 MAYSVILLE, KY

ELECTRICAL DETAILS

| DESIGNED | DATE    |
|----------|---------|
| DBS      | 8/20/05 |
| CAM      | 8/20/05 |
| CHECKED  | 8/22/05 |

JOB NO.  
 04-0614-004

E3