

FOR THE PUBLIC RECORD

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

IN THE MATTER OF:

APPLICATION OF SHARED SITES, LLC.)
AND AMERICAN CELLULAR CORPORATION)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVIENENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT)
1881 OLD GLASGOW ROAD)
EDMONTON, KENTUCKY 42129)
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF METCALFE)

RECEIVED

MAR 30 2006

PUBLIC SERVICE
COMMISSION

Case 2006-00108

SITE NAME: WISDOM
SITE NUMBER:

Shared Sites, 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 1881 Old Glasgow Road, Edmonton, Kentucky 42129. The WCF site is geographically positioned at 36-59-38.24 North latitude, 85-41-15.24 West longitude.

Wisdom

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* * * * *

UNIFORM APPLICATION: ~~CONFIDENTIAL AND PROPRIETARY~~

Shared Sites, LLC. ("Shared Sites"), as ultimate owner, and American Cellular Corporation ("Provider") as a licensed public utility in the Commonwealth of Kentucky, hereinafter jointly referred to as "Applicants", respectfully submit their Application for a Certificate of Public Convenience and Necessity from the Public Service Commission 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 Sites, LLC., a Kentucky Limited Liability Company, having a mailing address of 1390 Chain Bridge Road #40, 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 Sites constructs, owns, manages, maintains, and operates independent communications networks. Shared Sites owns and manages safe, clean and well maintained facilities. Shared Sites facilities do not generate smoke, odors, noise, noxious gases, vibrations, or traffic increase. Shared Sites 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 a Limited Liability Company issued by the Secretary of State of the State of West Virginia and a copy of the application for a Certificate of Authorization which was sent to the Secretary of State of the Commonwealth of Kentucky for Shared Sites, LLC. are attached or described as part of **Exhibit A**. A copy of the Certificate of Authorization issued by the Secretary of State of the Commonwealth of Kentucky and a copy of the Certificate of Merger issued by the Secretary of State of the State of Delaware for the Provider are attached or described as part of **Exhibit B**.

3. After completion of the proposed WCF, Shared Sites 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 C**. Shared Sites 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 Sites' 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 Sites' and the Provider's wireless infrastructure networks, and Shared Sites, 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 Sites' 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 1881 Old Glasgow Road, Edmonton, Kentucky 42129 (36-59-38.24 North latitude, 85-41-15.24 West longitude). In an area located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Howard Cawthorn. The proposed WCF will consist of a 300 foot guyed tower with an approximately 6-foot lightning arrester attached to the top, for a total height of 306 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 D** and **Exhibit E**. 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 F**.

7. Reduced copies of the site development plan have been included as **Exhibit D** and **Exhibit E** 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 E**. 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 D**.

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 G**.

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 H**. Upon receiving a "Determination" from the FAA, the Applicants will forward a copy 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 I**. 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 J**. The name and address of the geotechnical-engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included in **Exhibit J**.

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

14. Shared Sites, 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 L**. Also included as part of **Exhibit L** 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 .

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 Akhter. The construction of the proposed WCF will be performed by Shared Sites 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 erecting towers for the telecommunications industry for over 15 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 certified in **Exhibit M** 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 B. 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 E**. 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 E**.

19. Shared Sites, 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 informed of their right to request intervention. A list of the nearby property owners who received the notices, together with copies of the certified letters, are attached as **Exhibit N** and **Exhibit O**, respectively.

20. Shared Sites, on behalf of itself and the Provider, has notified the Metcalfe County Judge Executive and the City of Edmonton Mayor by certified mail, return receipt requested, of the proposed construction. These notices informed the Metcalfe County

Judge Executive and the City of Edmonton Mayor of his/her right to request intervention. A copy of these notices is attached as **Exhibit P**.

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 Q**. 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 property where WCF is proposed to be constructed is not zoned

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 Sites 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 Sites to permit the integration of the proposed WCF into Shared Sites' 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 R**.

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 S**.

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:

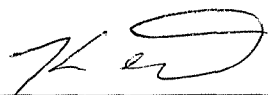
David Jantzi
Boulevard Properties, LLC
7383 Utica Blvd.
Lowville, NY 13367
Telephone: (315) 523-6258

And

Kamal Doshi
Shared Sites, LLC
1390 Chain Bridge Road #40
McLean, VA 22101

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
1390 Chain Bridge Road
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

- A. Certificate of LLC from the State of West Virginia and copy of application for Certificate of Authority to the State of Kentucky for Shared Sites, LLC.
- B. Certificate of Authorization from the State of Kentucky and Certificate of Merger for American Cellular Corporation
- C. Copy of FCC license for American Cellular Corporation
- D. Tower and Foundation Plan
- E. Site Development Plan:
 - Vicinity Map
 - Property Owner Listing
 - 500' Vicinity Map
 - Legal Descriptions
 - Site Plan
 - Vertical Tower Profile
- F. Competing Utilities, Corporations, or Persons List
- G. Collocation Report
- H. Application to FAA
- I. Application to Kentucky Airport Zoning Commission
- J. Geotechnical report
- K. Directions to WCF Site
- L. Copy of Real Estate Agreement
- M. Flood Plain Certification
- N. Notification Listing
- O. Copy of Property Owner Notification
- P. Copy of County Judge Executive and City Mayor Notices
- Q. Copy of Posting Notices
- R. Copy of Radio Frequency Design Search Area
- S. Tower Map for Subject County

State of West Virginia



Certificate

*I, Betty Ireland, Secretary of State of the
State of West Virginia, hereby certify that*

SHARED SITES, LLC

Control Number: 82134

has filed its "Articles of Organization" in my office according to the provisions of West Virginia Code §§31B-2-203 and 206. I hereby declare the organization to be registered as a limited liability company from its effective date of January 13, 2006 until the expiration of the term or termination of the company.

Therefore, I hereby issue this

CERTIFICATE OF A LIMITED LIABILITY COMPANY



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
January 13, 2006*

Betty Ireland

Secretary of State

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,

SHARED SITES, LLC

, a limited liability company organized under the laws of the state of West Virginia, is authorized to transact business in the Commonwealth of Kentucky and received the authority to transact business in Kentucky on February 24, 2006.

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 275.190 has been delivered to the Secretary of State.

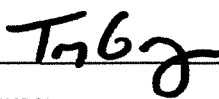
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 19th day of March, 2006.

Certificate Number: 28229

Jurisdiction: Shared Sites, LLC (Boulevard Properties)

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
28229/0633042

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.

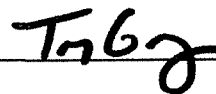
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 13th day of February, 2006.

Certificate Number: 26879

Jurisdiction: Shared Sites, LLC

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
26879/0576718

Delaware

PAGE 1

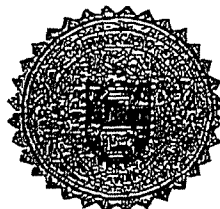
The First State

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

AUTHENTICATION: 2856461

030845574

DATE: 01-07-04

**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) 0003767324	
Call Sign KNKN666	File Number 0001571120
Radio Service CL - Cellular	
Market Number CMA447	Channel Block A
Sub-Market Designator 0	

Market Name Kentucky 5 - Barren

Grant Date	Effective Date	Expiration Date	Five Yr Build-Out Date	Print Date
10-30-2001	01-07-2004	10-01-2011		01-14-2004

SITE INFORMATION

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	037-18-06.0 N	085-55-41.0 W	285.1	78.9	1042214
Address	MUFORDVILLE SITE: 1 MI W				
City	County	State	Construction Deadline		
LEITCHFIELD	HART	KY			

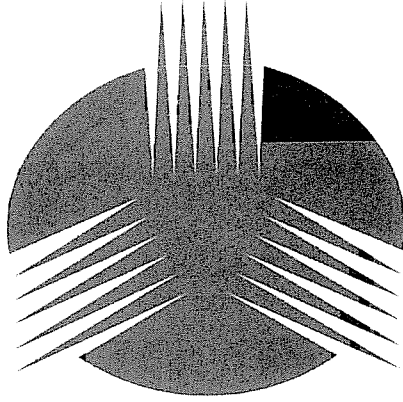
Antenna: 1	Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT(meters)		129.600	113.300	180.500	171.200	159.600	156.200	136.700	159.500
Transmitting ERP(watts)		75.900	100.000	91.200	100.000	75.900	31.600	24.300	31.600

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	036-44-13.0 N	085-42-10.0 W	309.7	88.1	1042225
Address	TOMPkinsVILLE SITE: 3151 EDMONTON ROAD				
City	County	State	Construction Deadline		
TOMPkinsVILLE	MONROE	KY			

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

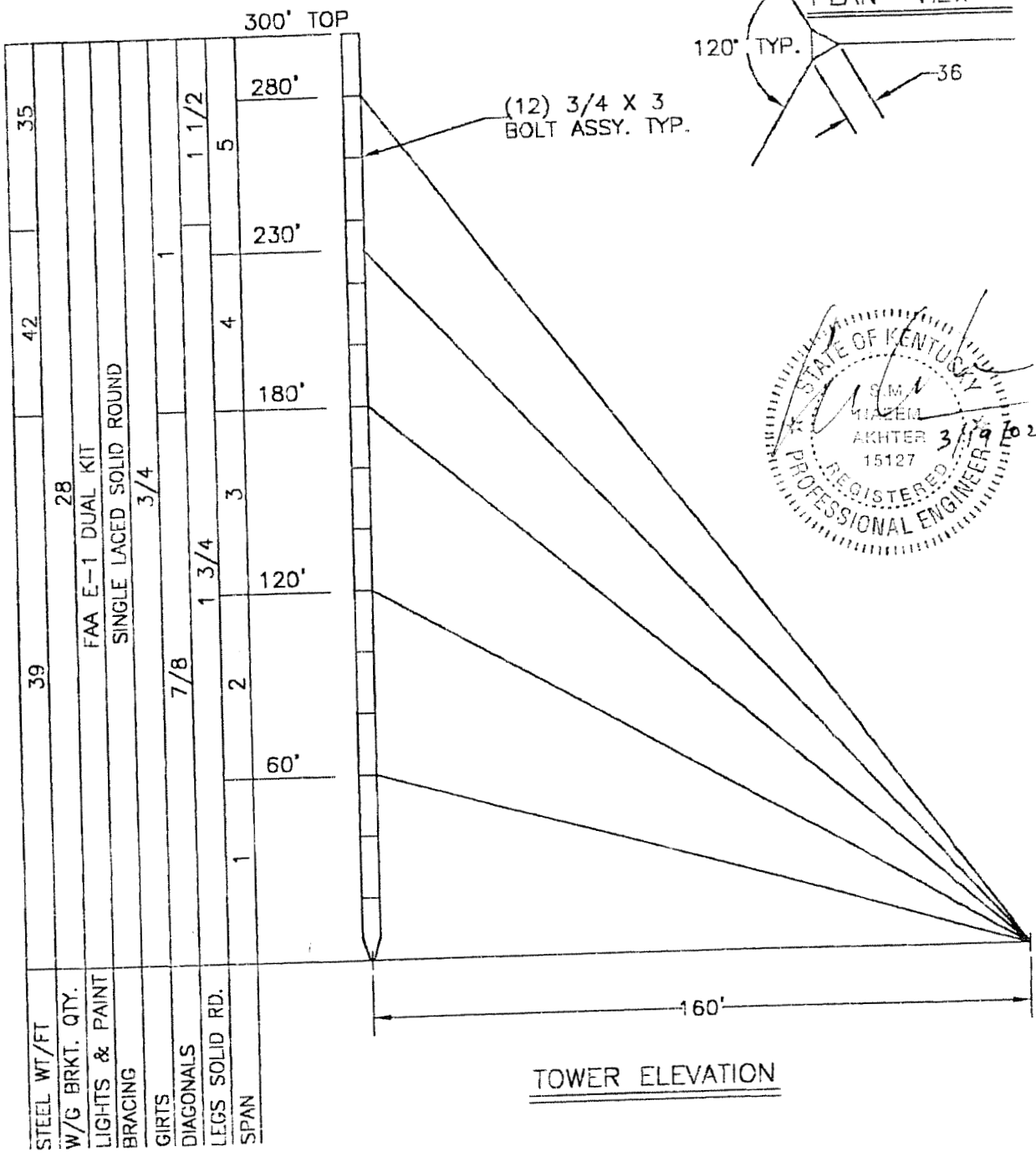
Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond 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 terms 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.



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



TITLE: 300' TYPE 36SR TOWER

WORLD TOWER

SCALE NONE	DWN. TLB	CKD. <i>AK</i>	DATE 1/18/02
FILE	DWG. NO. Q01509		

ANTENNAS

ELEV.	DESCRIPTION	LINE	AZIMUTH
300'	9 DAPA 59000/59010 70.3" PANELS ON WD13X53	9-1 5/8"	
280'	2-DB810 ON WA6 6' ANGLE SIDE ARM	2-1 5/8"	
260'	2-DB810 ON WA6 6' ANGLE SIDE ARM	2-1 5/8"	
240'	9 DAPA 59000/59010 70.3" PANELS ON WD13X53	9-1 5/8"	
220'	9 DAPA 59000/59010 70.3" PANELS ON WD13X53	9-7/8"	

REACTIONS

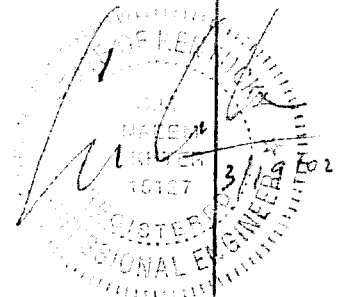
BASE			ANCHOR		
SHEAR	.96	KIPS	RESULTANT	62.29	KIPS
COMPRESSION	125.06	KIPS	HORIZONTAL	41.95	KIPS
			VERTICAL	46.04	KIPS

GUY WIRE DATA

ELEV.	SIZE	BREAK STRENGTH	INITIAL TENSION	CUT LENGTH	SHACKLE	THIMBLE	TURN BUCKLE
280'	9/16 EHS	35000	3500	353'	3/4	3/4	1 X 18
230'	9/16 EHS	35000	3500	311'	3/4	3/4	1 X 18
180'	9/16 EHS	35000	3500	271'	3/4	3/4	1 X 18
120'	1/2 EHS	26900	2700	230'	---	1/2	3/4 X 12
60'	3/8 EHS	15400	1500	201'	---	3/8	3/4 X 12

GENERAL NOTES

1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOADS 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.
6. ALL STRUCTURAL BOLTS ARE ASTM A325.
7. GUY LENGTHS SHOWN ARE CHORD LENGTHS PLUS 30'.
8. TOWER SECTIONS ARE NUMBERED CONSECUTIVELY FROM BASE TO TOP.

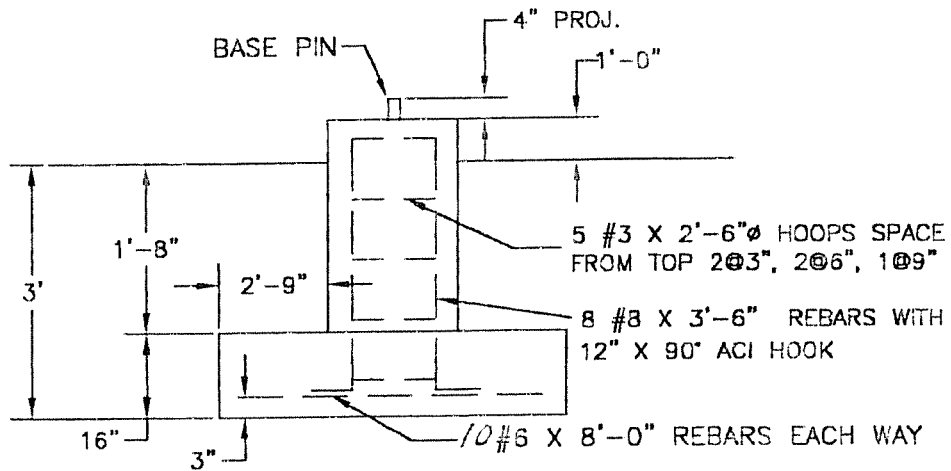
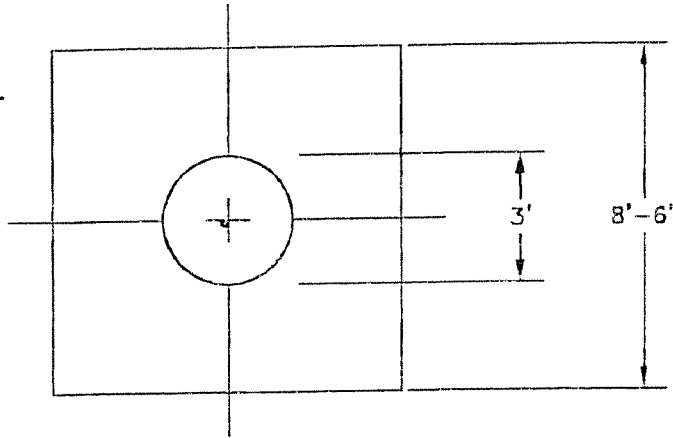


TITLE: 300' TYPE 36SR TOWER

WORLD TOWER

SCALE	NONE	DWN.	TLB	CKD. <i>WCC</i>	DATE	1/21/02
FILE				DWG. NO.	Q01509T	

4.3 CU. YDS.
CONCRETE REQ'D.



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 SUPPLIED SOIL DATA FROM GEOTECH ENGINEERING & TESTING DATED 2/15/02.

REACTIONS		
SHEAR	.96	KIPS
DOWNLOAD	125.06	KIPS

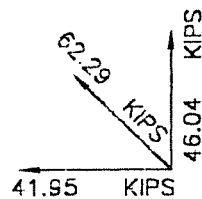
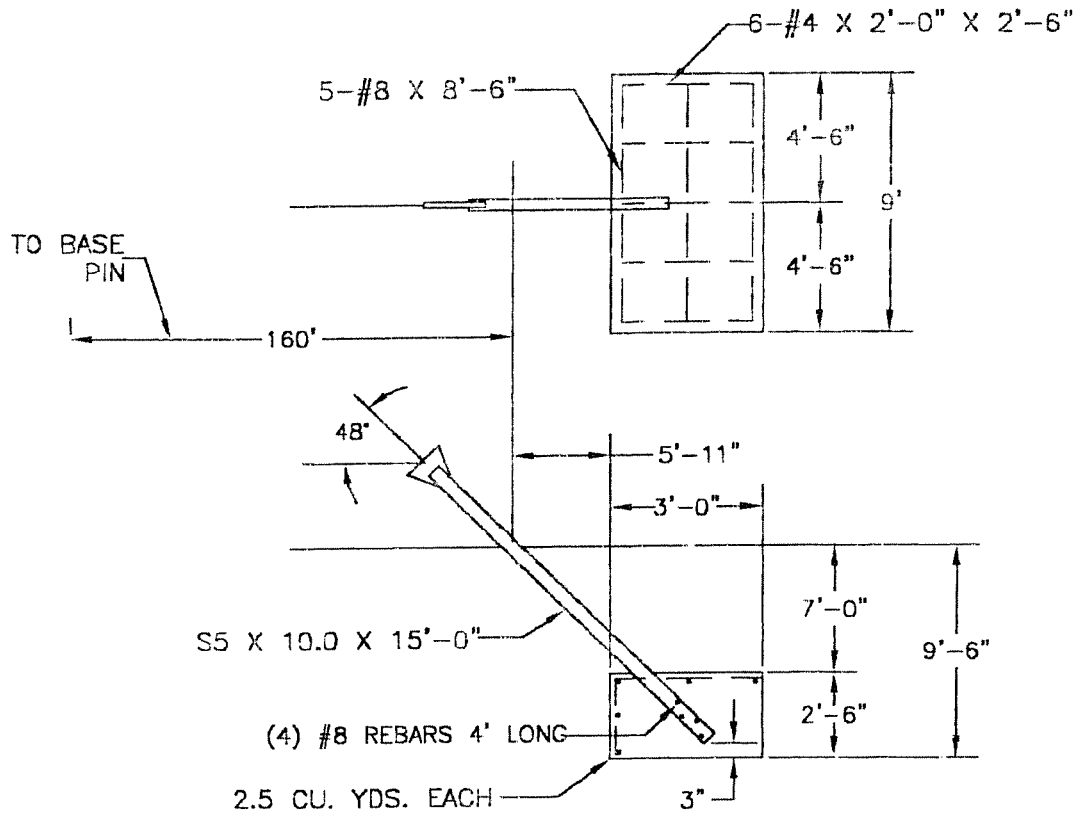


TITLE:

BASE DETAILS
300' TYPE 36SR TOWER

WORLD TOWER

SCALE NONE DWN. TLB CKD. *cpu* DATE 2/21/02
FILE DWG. NO. Q01509B



GENERAL NOTES

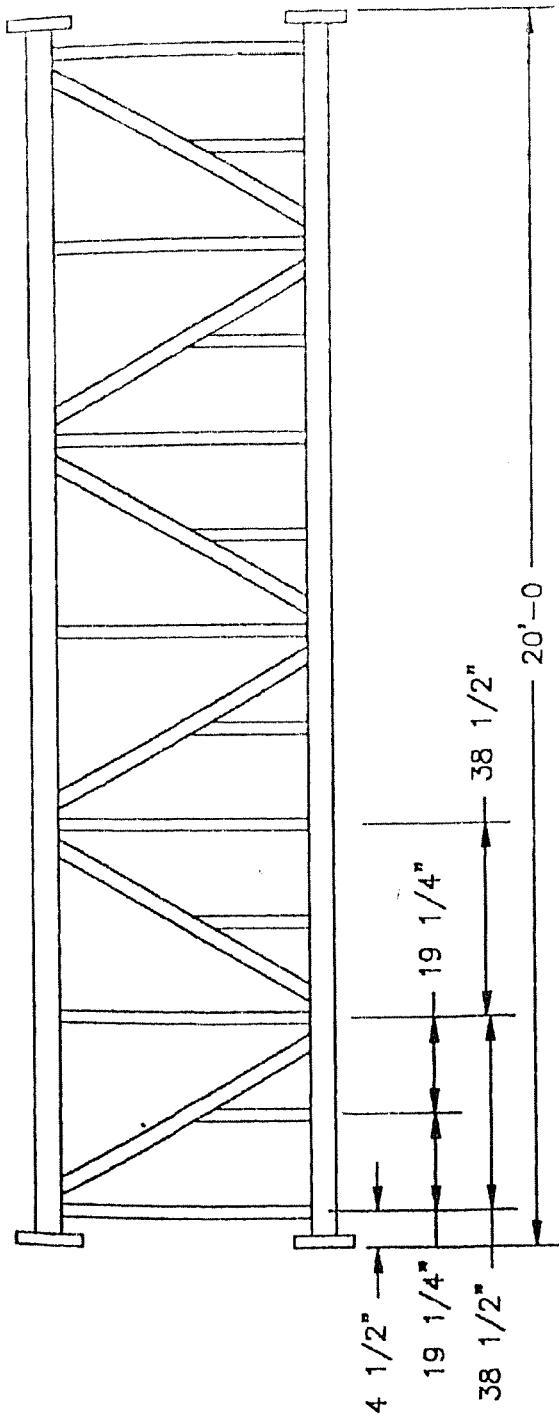
1. CONCRETE TO HAVE 3000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. REINFORCEMENT STEEL IS DEFORMED AND MEETS THE REQUIREMENTS OF ASTM A615 GRADE 60.
3. CENTER LINE OF ANCHOR BEAM TO PASS THROUGH CENTROID OF BLOCK.
4. EMBEDDED STEEL TO HAVE A MIN. 3" COVER.
5. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL DATA FROM GEOTECH ENGINEERING & TESTING DATED 2/15/02

TITLE:

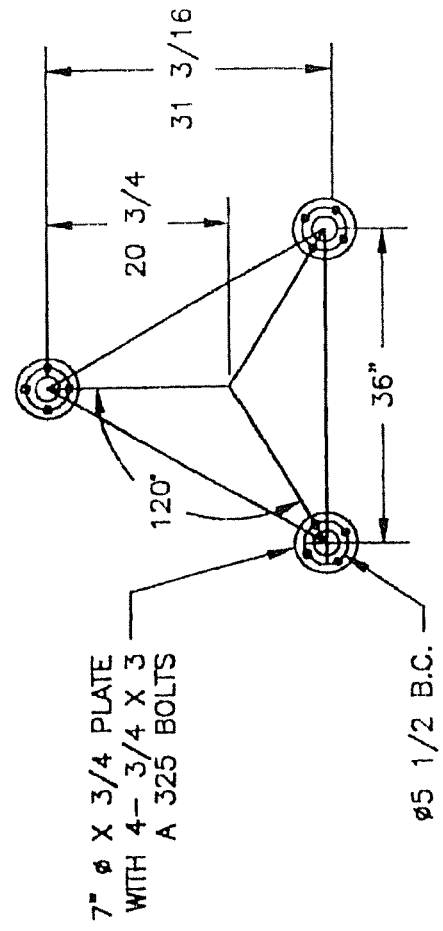
ANCHOR DETAILS
300' TYPE 36SR TOWER

WORLD TOWER

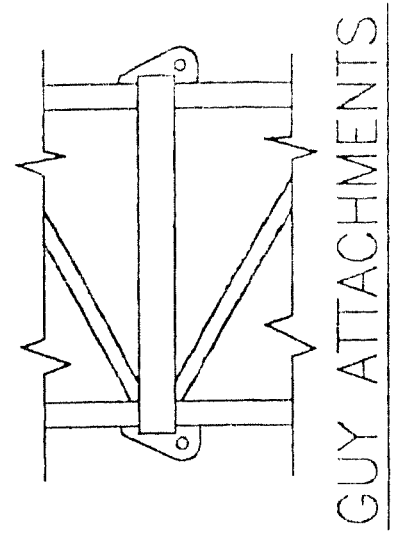
SCALE	NONE	DWN.	TLB	CKD. <i>use</i>	DATE	2/15/02
FILE				DWG. NO.	Q01509A	



ELEVATION



SECTION PLAN

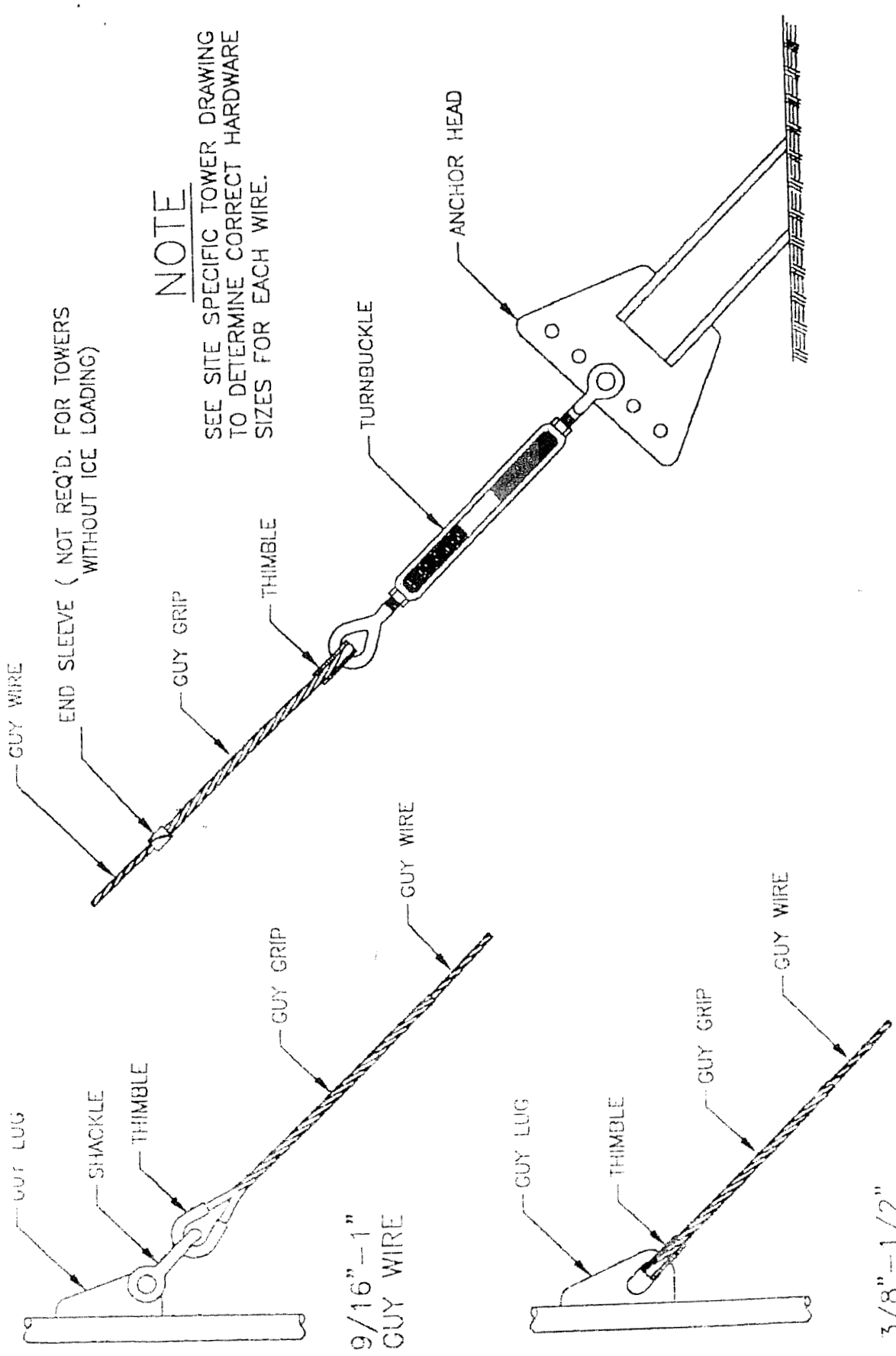


R1 PANEL SPACING WAS 38" TB 3/21/00

TITLE: TYPE 36SR TOWER
SECTIONAL DETAIL C

WORLD TOWER

SCALE: AS SHOWN DWN. WORK: 1000 2.0007 DATE: 10-16-00



NOTE

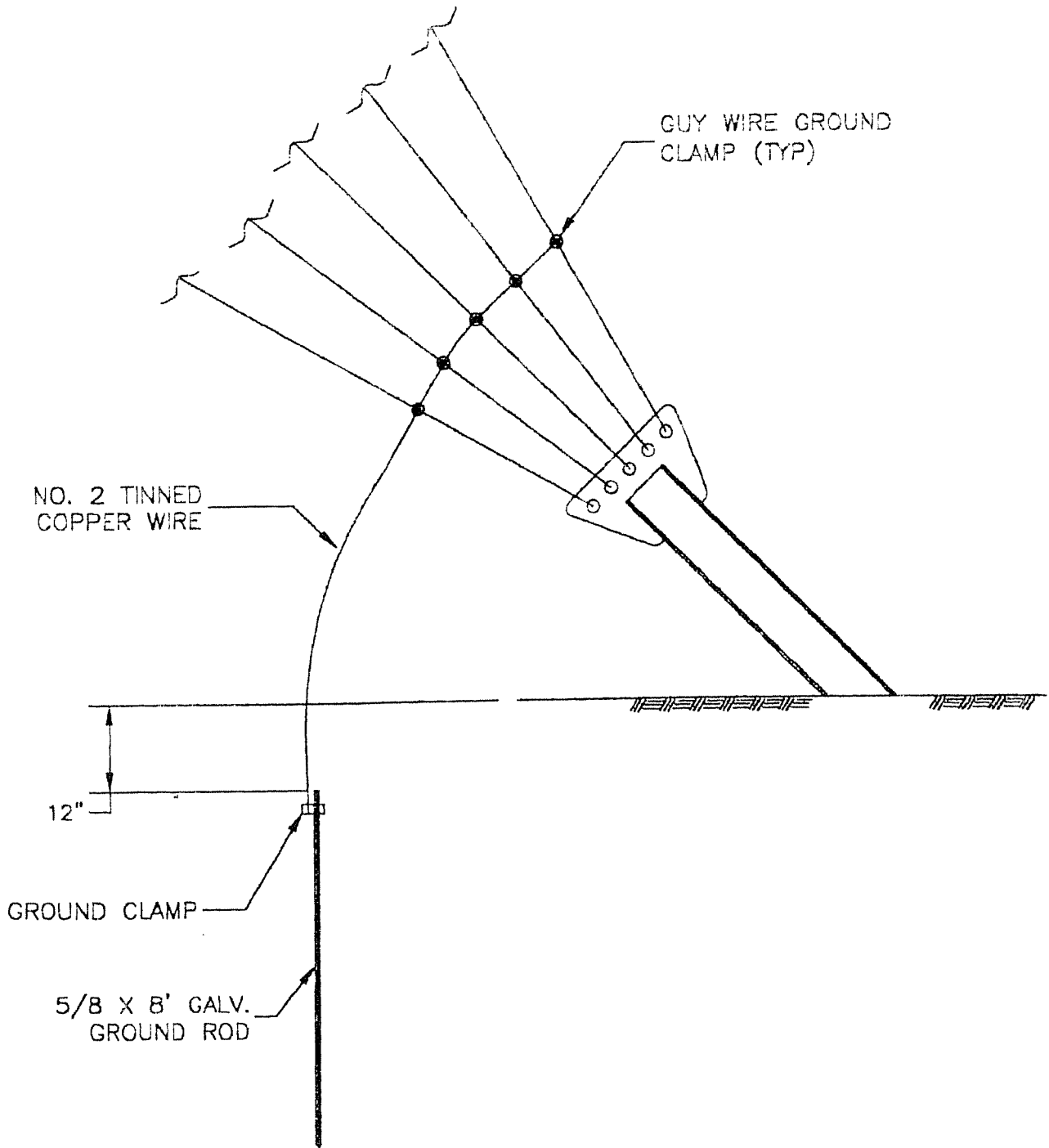
SEE SITE SPECIFIC TOWER DRAWING TO DETERMINE CORRECT HARDWARE SIZES FOR EACH WIRE.

WORLD TOWER

SCALE	NONE	DWN.	WDU	CKD.	4402L	DATE	3-12-99
FILE	DWG. NO. A99007						

TITLE:
STANDARD GUY WIRE
HARDWARE DETAILS

3/8" - 1/2"
GUY WIRE

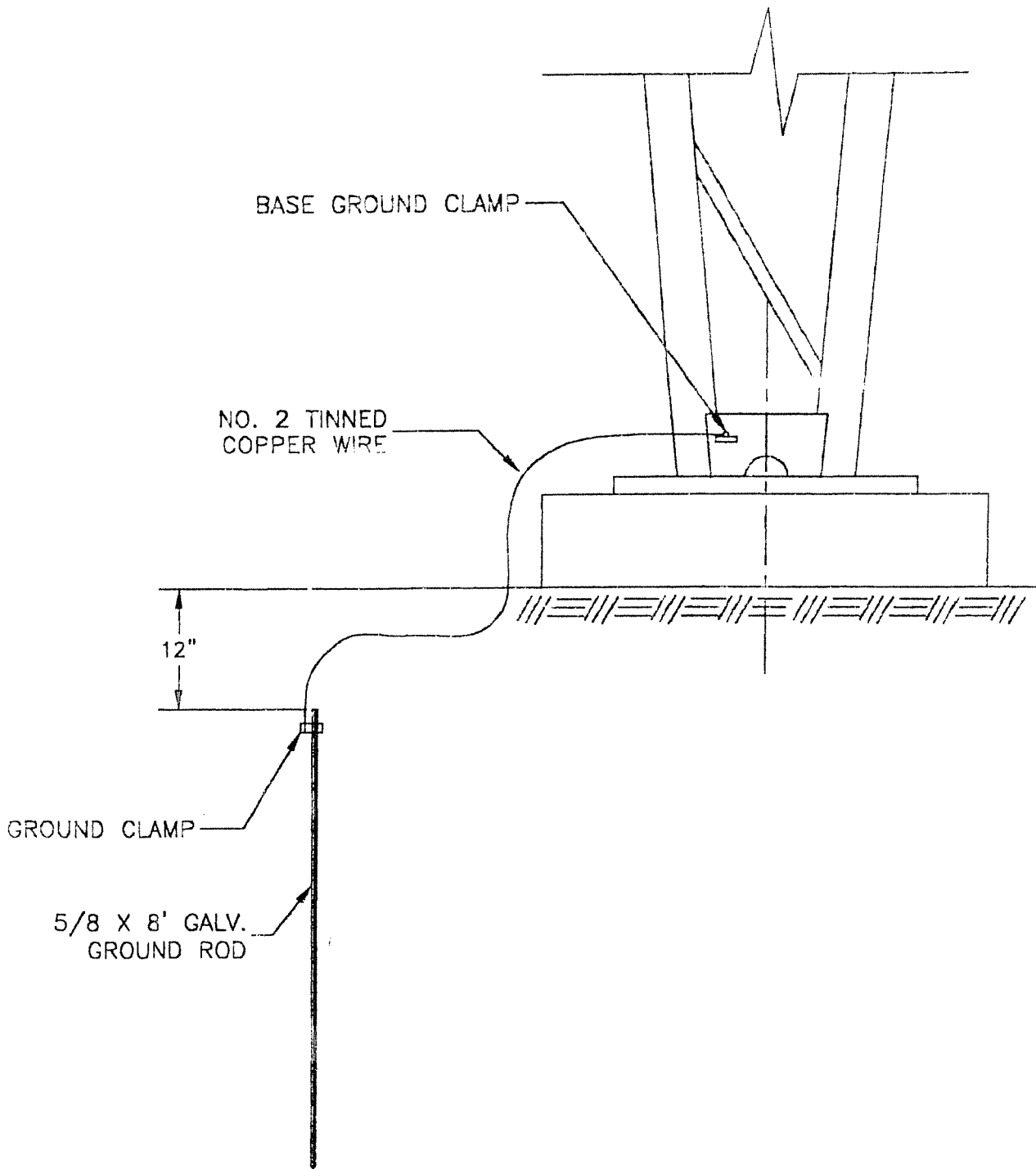


TITLE:

EIA GUY WIRE
GROUNDING DETAILS

WORLD TOWER

SCALE	NONE	DWN.	WDU	CKD. <i>WDC</i>	DATE	10-19-98	
FILE						DWG. NO.	A98075

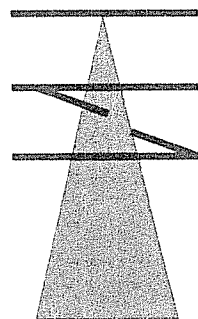


TITLE:
 EIA BASE
 GROUNDING DETAILS

WORLD TOWER

SCALE	NONE	DWN.	WDU	CKD.	WERC	DATE	10-19-98
FILE	DWG. NO. A98076						

PROPOSED WIRELESS COMMUNICATIONS FACILITY



SHARED SITES, LLC

1390 CHAIN BRIDGE ROAD #40, MCLEAN, VA 22101

UTILITY INFORMATION:

TELEPHONE SERVICE:

SOUTH-CENTRAL RURAL TELEPHONE
PO BOX 159
GLASGOW, KY 42142
(270)678-2111

ELECTRIC SERVICE:

FARMER'S RURAL ELECTRIC COOPERATIVE
504 SOUTH BROADWAY STREET
GLASGOW, KY 42141
(270) 651-2191

HANDICAPPED REQUIREMENTS

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

PLUMBING REQUIREMENTS

FACILITY HAS NO PLUMBING

EXISTING PROJECT SITE SUMMARY	
<u>COUNTY:</u>	METCALFE COUNTY
<u>SITE COORDINATES:</u>	N 36° 59' 37.65" LAT. W 85° 41' 15.50" LONG.
<u>ELEVATION:</u>	912' AMSL
<u>PROPERTY OWNER:</u>	HOWARD & OPAL CAWTHORN 1887 OLD GLASGOW ROAD EDMONTON, KY 42129
<u>CONTACT NAME:</u>	DAVID JANTZI 7383 UTICA BOULEVARD LOWVILLE, NY 13367
<u>CONTACT TEL NO.:</u>	518-253-0000
<u>SITE NAME:</u>	WISDOM

SHARED SITES, LLC

DATE

REPRESENTATIVE SIGNATURE

OWNER APPROVAL

DATE

REPRESENTATIVE SIGNATURE

DATE	DESCRIPTION	DRAWING INDEX
	TITLE SHEET	
	C1 SURVEYED SITE PLAN	
	C2 OVERALL SITE PLAN AND GENERAL NOTES	
	C3 DETAILED SITE PLAN	
	C4 SECTIONS	
	C5 TOWER ELEVATION, ANTENNA PLAN & ANTENNA SCHEDULE	
	F1 GENERAL FENCING DETAILS AND GENERAL NOTES	
	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

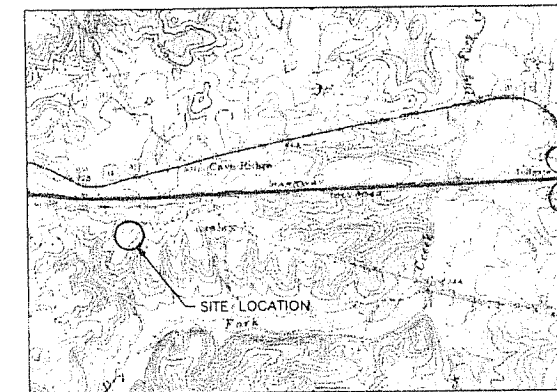
ENGINEERS / ARCHITECTS



Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS

125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

LOCATION MAP



USGS QUADRANGLE
SUMMER SHADE, KY
1"=4000'

DIRECTIONS :

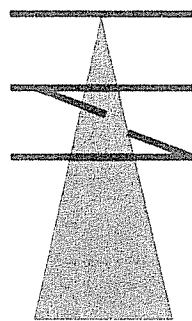
FROM CUMBERLAND PARKWAY WEST. TAKE THE US-68/ KY-80 EXIT - EXIT 27 - TOWARD EDMONTON (0.2 MILES) TURN RIGHT ONTO US-68 E/ KY-80 E/ GLASGOW RD/ E KY-80/ KY 80 E E US-68 (0.7 MILES) TURN RIGHT ONTO OLD US-68/ OLD GLASGOW ROAD (1.9 MILES) TURN LEFT ONTO DRY FORK ROAD AND THE SITE IS LOCATED APPROXIMATELY 300 FEET ON THE LEFT

PROJECT NAME : WISDOM
EDMONTON, KY

DATE : 03/24/06

NOTED: DATE, MAKE, AND SERIAL NUMBER OF THE FACILITY SHALL BE AS SHOWN ON THE DRAWINGS AND SHALL BE THE RESPONSIBILITY OF THE USER OF THESE DRAWINGS.

PROPOSED WIRELESS COMMUNICATIONS FACILITY



SHARED SITES, LLC

1390 CHAIN BRIDGE ROAD #40, MCLEAN, VA 22101

UTILITY INFORMATION:

TELEPHONE SERVICE:

SOUTH-CENTRAL RURAL TELEPHONE
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CONTACT TEL NO.:	518-253-0000
SITE NAME:	WISDOM

SHARED SITES, LLC

DATE

REPRESENTATIVE SIGNATURE

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REPRESENTATIVE SIGNATURE

DATE	DESCRIPTION	DRAWING INDEX
	TITLE SHEET	
	C1 SURVEYED SITE PLAN	
	C2 OVERALL SITE PLAN AND GENERAL NOTES	
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AMERICAN CELLULAR CORPORATION

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

ANTENNA / TOWER

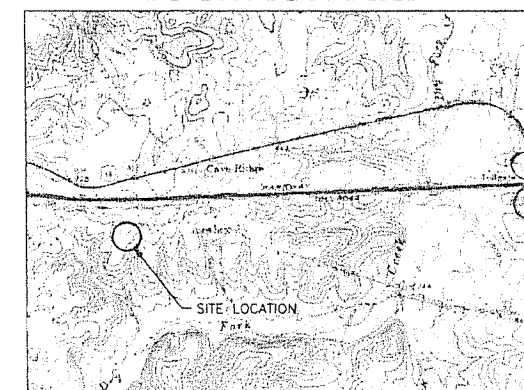
ENGINEERS / ARCHITECTS



Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS

125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

LOCATION MAP



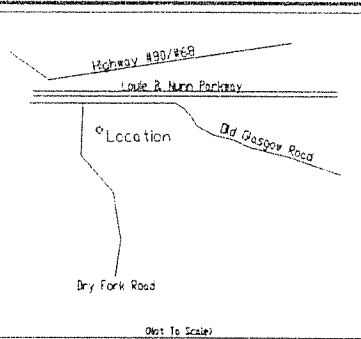
USGS QUADRANGLE
SUMMER SHADE, KY
1"=4000'

DIRECTIONS :

FROM CUMBERLAND PARKWAY WEST, TAKE THE US-68/ KY-80 EXIT - EXIT 27- TOWARD EDMONTON (0.2 MILES) TURN RIGHT ONTO US-68 E/ KY-80 E/ GLASGOW RD/ E KY-80/ KY 80 E E US-68 (0.7 MILES) TURN RIGHT ONTO OLD US-68/ OLD GLASGOW ROAD (1.9 MILES) TURN LEFT ONTO DRY FORK ROAD AND THE SITE IS LOCATED APPROXIMATELY 300 FEET ON THE LEFT

PROJECT NAME: WISDOM
EDMONTON, KY

DATE: 03/24/06



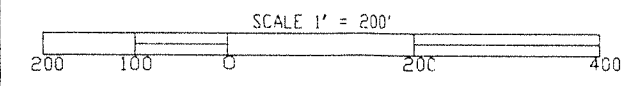
Dist To Scale
Vicinity Map

Surveyor Certification
I hereby certify that the survey depicted by this plat was done under my direct supervision by the method of Random Traverse with sideshots and the unadjusted precision ratio of the traverse was 1 / 13,058.64. This survey is a Class "B" survey and meets the Minimum Standards required by the State of Kentucky as defined by KRS 322.

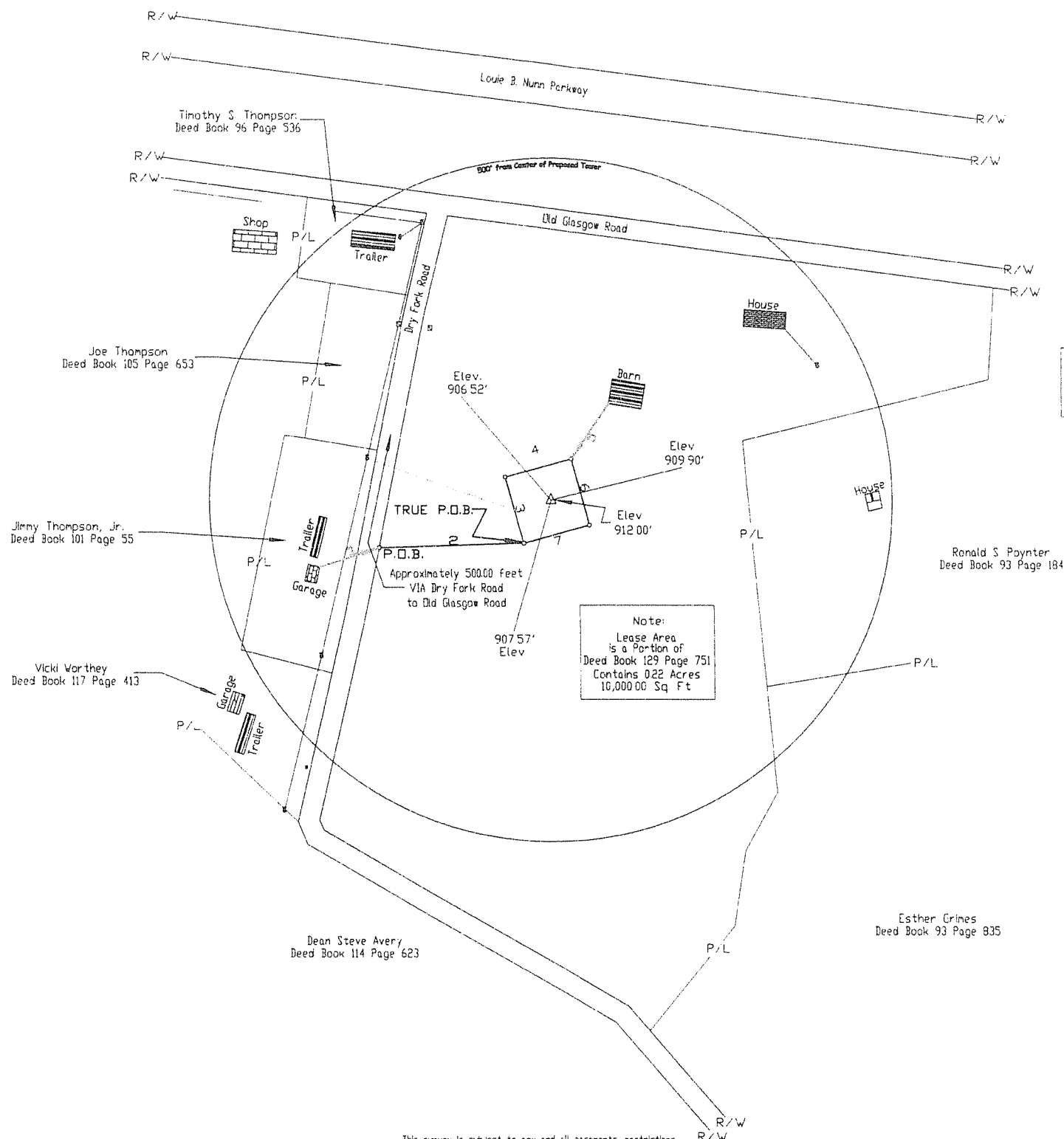
Michael E. McKinney
Adair County Surveyor

- LEGEND**
- P.O.B Point of Beginning
 - R/W Right of Way
 - P/L Property Line
 - 1/2" x 18" Re - bar Pin Set with Cap #3318
 - △ Tower Center
 - Property Line
 - - - Proposed Guy Lines
 - - - Lease Area Boundary
 - - - Proposed Utility Easement
 - - - Proposed Access Road
 - Existing Telephone Box
 - Existing Water Meter
 - Existing Power/Utility Pole

Drawn: Rick Lawson
Instrument Man: Michael E. McKinney
Road Man: Rick Lawson
File Dc: WISDDMTW
Checked by: _____



Plat for Lease only - NOT for Land Transfer



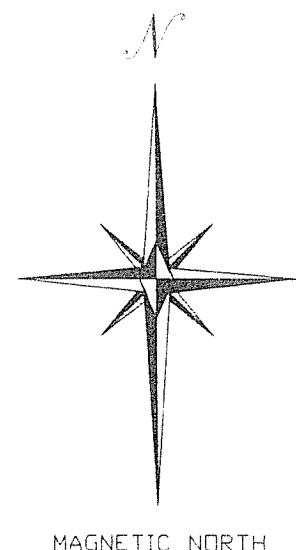
Note:
Lease Area is a Portion of Deed Book 129 Page 751 Contains 0.22 Acres 10,000.00 Sq Ft

Note:
All existing structures within 500.00 feet of tower center are shown. Property Lines NOT to Scale due to size constraints.

Call Table

1	N 73°44'22" E	28.26'
2	N 88°18'34" E	211.26'
3	N 15°22'51" W	100.00'
4	N 74°37'09" E	100.00'
5	S 24°34'13" W	97.71'
6	S 15°22'51" E	100.00'
7	S 74°37'09" W	100.00'

Tower Site Data:
Wisdom Site
Summer Shade
LSGS 7.5' Quadrangle
NAD 87 (CONUS) Coordinates
Latitude: N 36-59-37.65
Longitude: W 85-41-15.50
Ground Elevation = 920'
Geodetic information provided by Shared Sites, LLC



Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeshore Drive, Morgantown, WV 26508
TEL: (304) 225-2246 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

WISDOM
1881 OLD GLASGOW ROAD
EDMONTON, KY 42129
SURVEYED SITE PLAN

DESIGNED	DATE
BLB	3/21/06
DRAWN	DATE
BLB	3/21/06
CHECKED	DATE

JOB NO.
06-0035-005

C1

Survey For Lease
Shared Sites, L.L.C.
1390 Chain Bridge Road #40
McLean, VA 22101

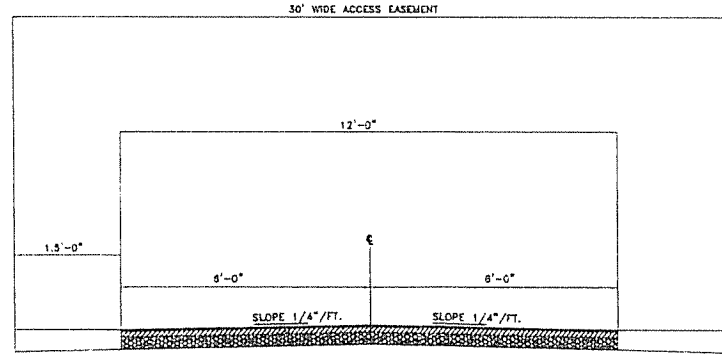
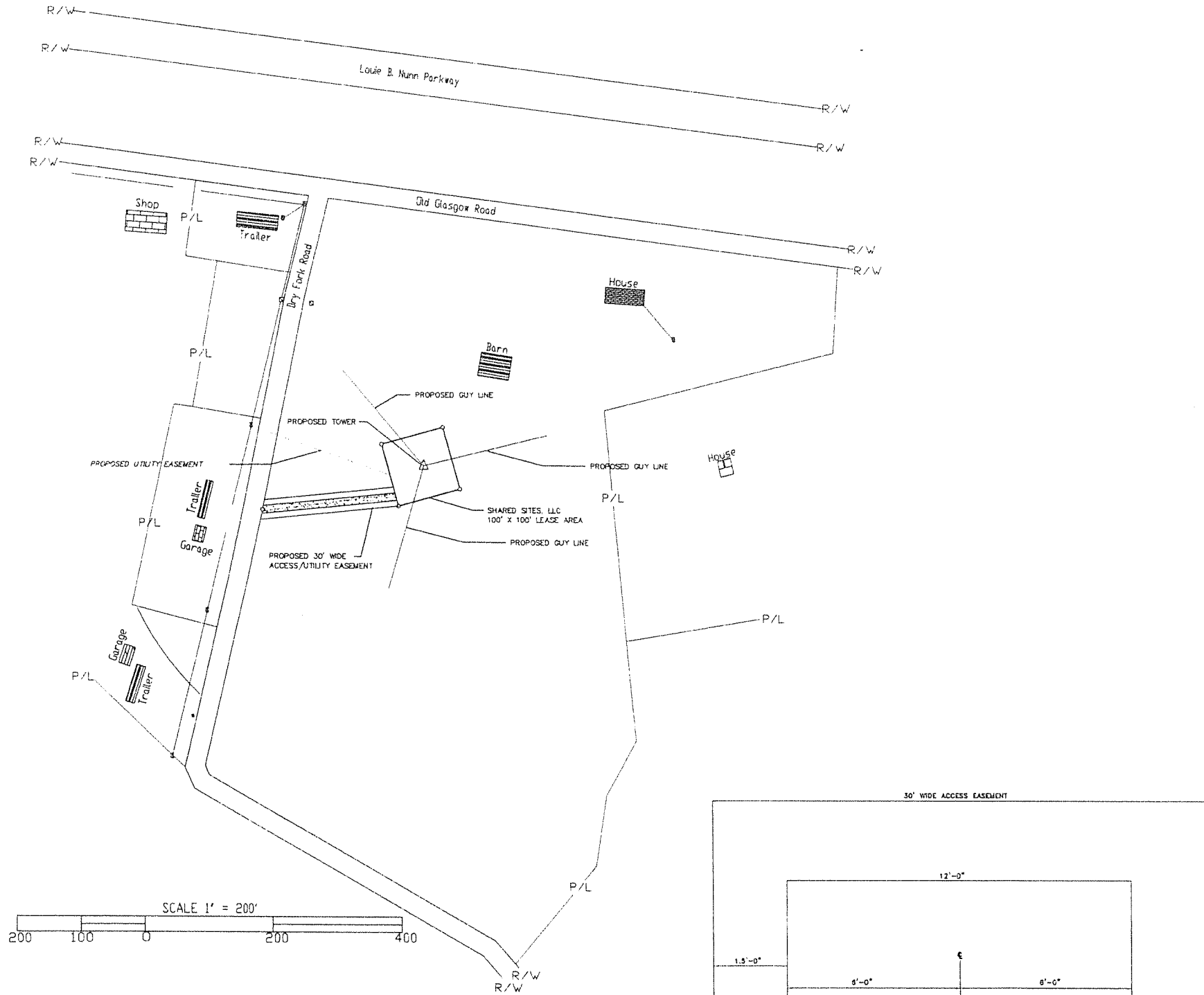
Property Surveyed
Howard Cawthorn
Edmonton, KY. 42129
Deed Book 129 Page 751
Metcalf County

Commonwealth of Kentucky
February 22, 2006
McKINNEY LAND SURVEYING
103 South Reed Street, Columbia, Ky 42720 Phone: 270 - 384 - 5293

This survey is subject to any and all easements, restrictions and rights of way of record at this time

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:
 MISS UTILITIES OF WEST VIRGINIA 800-245-4848
 AMERICAN CELLULAR
 DAVID GINTER: 859-544-5805; F. 859-544-5858; M. 859-544-5000;
 EMAIL: david.ginter@cobson.net
 MR. RICHIE PENNINGTON: 859-544-5820
 EMAIL: richie.pennington@cobson.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.) AND SHARED SITES 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 SHARED SITES 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 SITES 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 PROJECT MANAGER 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 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 (SHARED SITES) 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.



REV.	DATE	DESCRIPTION

WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON, KY 42129

OVERALL SITE PLAN
 AND GENERAL NOTES

DESIGNED	DATE
BLB	3/22/06
DRAWN	DATE
BLB	3/22/06
CHECKED	DATE

JOB NO.
 06-0035-005

C2

NOTED: SEE SHEET 06-0035-005 FOR SITE PLAN. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE. DATE: 3/22/06.

Potesta & Associates, Inc.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 125 Lakeview Drive, Morgantown, WV 26508
 TEL: (304) 225-2246 FAX: (304) 225-2246
 E-Mail Address: potesta@potesta.com

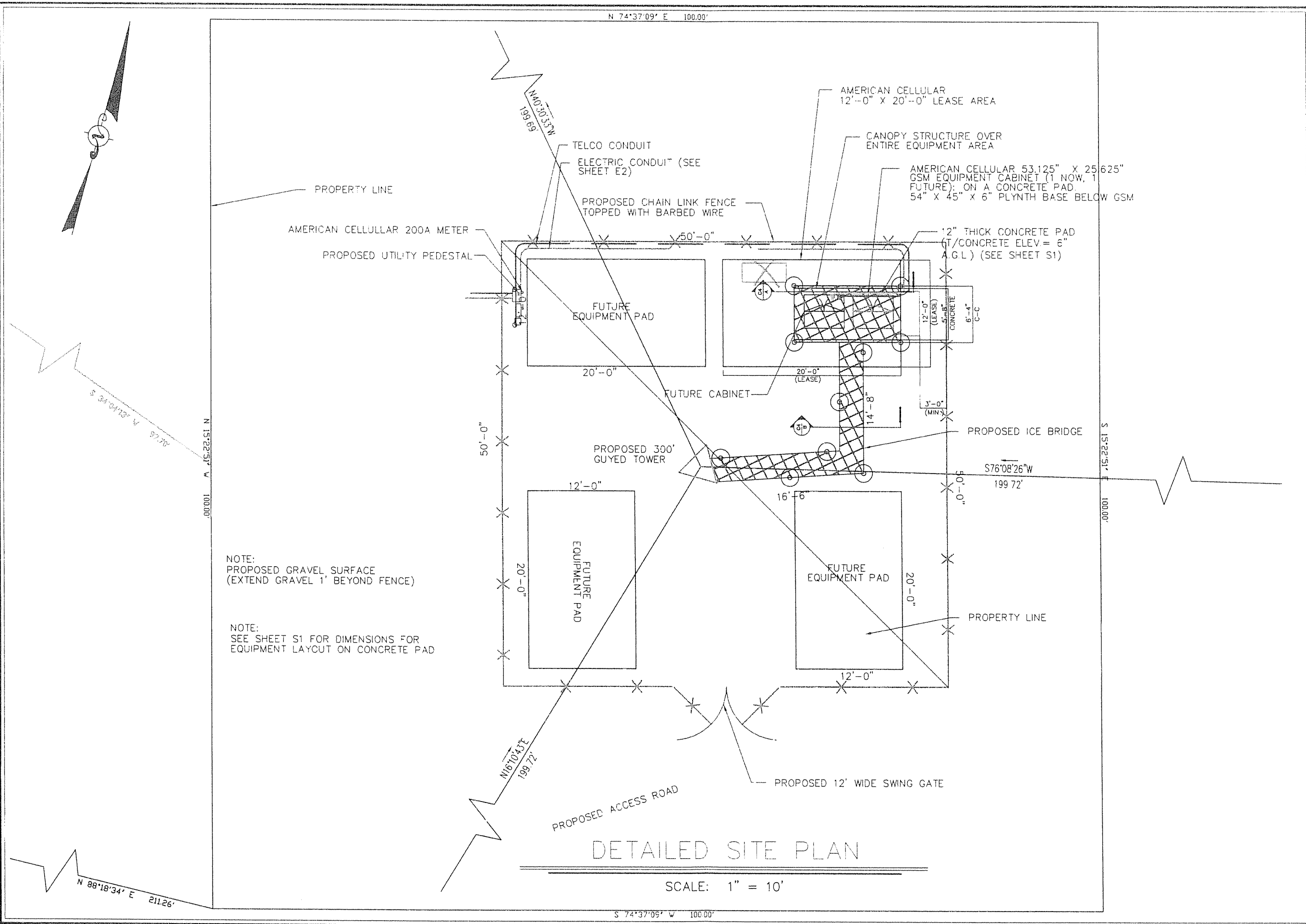
REV.	DATE	DESCRIPTION

WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON, KY 42129
 DETAILED SITE PLAN

DESIGNED	DATE
BLB	3/22/06
DRAWN	BLB
CHECKED	3/22/06

JOB NO.
 06-0035-005

C3



DATE PLOTTED: 03/22/06 10:58 AM
 PLOT FILE: C:\PROJECTS\06-0035-005\DWG\06-0035-005.DWG
 PLOT DEVICE: HP DesignJet 5000
 PLOT SCALE: 1" = 10'
 PLOT SHEET: 06-0035-005-001

REV.	DATE	DESCRIPTION

WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON, KY 42129

SECTIONS

DESIGNED	DATE
BLB	3/22/06
DRAWN	
BLB	3/22/06
CHECKED	

JOB NO.
 06-0035-005

C4

JUMPER SUPPORT

ICE BRIDGE STRUCTURE
 (SEE DETAIL ON SHEET S2)

FLOOD LIGHTS
 SECURED TO ICE
 BRIDGE STRUCTURE
 (SEE SHEET E3)

T" BRACKET

ATLANTIC SCIENTIFIC
 MODULAR AC POWER
 AND TELCO CABINET
 (MODEL # 9'037) (SEE
 DETAIL ON SHT E3)

WEATHERPROOF
 LOCKABLE
 LIGHT SWITCH
 (SEE SHEET E3)

WEATHERPROOF
 GFI RECEPTACLE
 (SEE SHEET E3)

PROPOSED GRADE

TELCO CONDUIT
 (SEE SHEET E2)

ELECTRIC CONDUIT
 (SEE SHEET E2)

ICE BRIDGE
 FOUNDATION (TYP)
 (SEE DETAIL ON
 SHEET S2)

COAX HANGER (TYP) (SEE
 DETAIL ON SHEET S2)

1/2" JUMPER TO
 CABINET (TYP)

4'-0"
 (TYP)

1 5/8" COAX WILL
 BE TERMINATED
 WHERE THE ICE
 BRIDGE MEETS THE
 CANOPY

FLOOD LIGHT (TYP
 FRONT OF CABINETS)

GSM CABINET

FUTURE CABINET

SECTION A

SCALE: 1" = 4'-0"

A

C4

COAX LINES (TOTAL OF 12) FURNISHED
 BY AMERICAN CELLULAR & INSTALLED
 BY CONTRACTOR (NOTE: ONLY ONE
 SHOWN FOR CLARITY)

SINGLE LEVEL TRAPEZE
 FOR 1/2" JUMPER
 BENEATH CANOPY

AMERICAN CELLULAR
 53 125"x25 625" GSM
 EQUIPMENT CABINET (1
 FOR NOW, 2 FUTURE)

AMERICAN CELLULAR
 54"x45"x6" PLYNTH

12" THICK CONCRETE
 PAD (SEE DETAILS ON
 SHEET S1)

PROPOSED GRADE

FLOOD LIGHT (TYP
 FRONT OF CABINETS)

GSM CABINET

MGB (SEE
 SHEET E3)

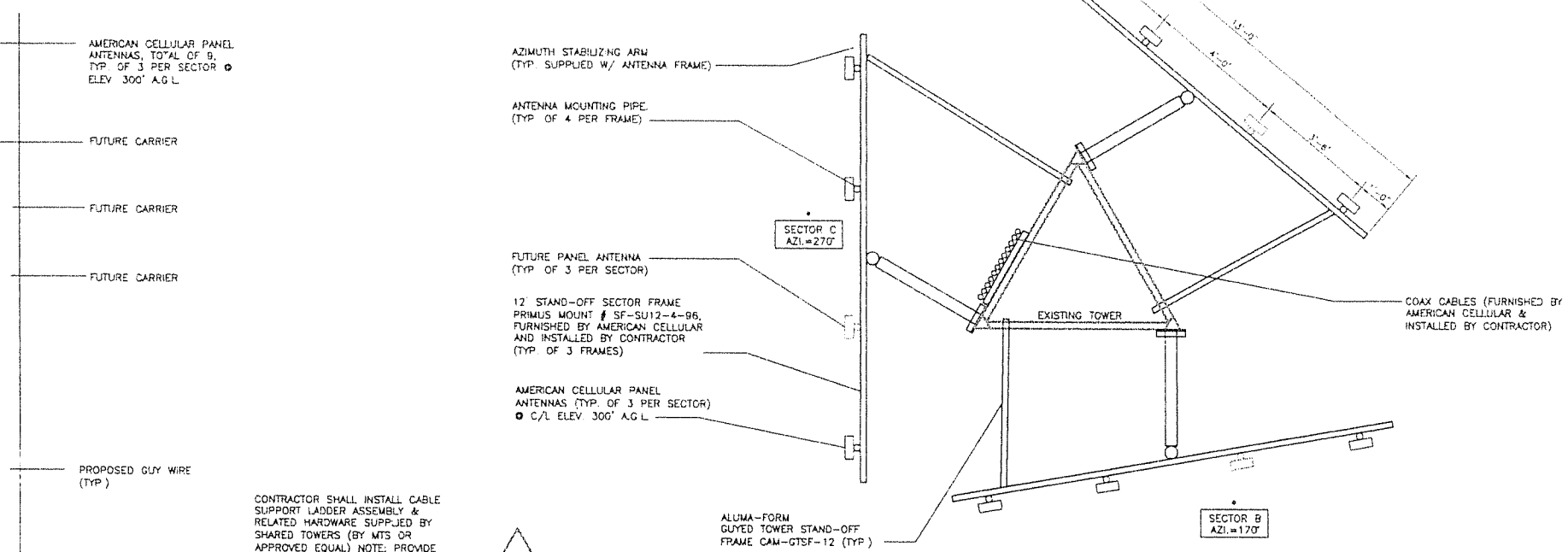
SECTION B

SCALE: 1" = 3'

B

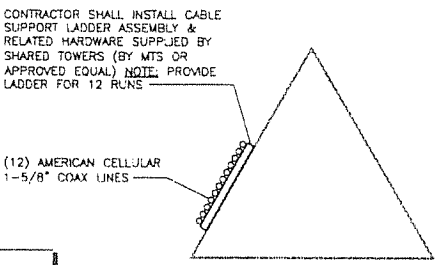
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Potesla & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
126 Lakeshore Drive, Morgantown, WY 26508
TEL: (304) 225-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com



ANTENNA PLAN

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

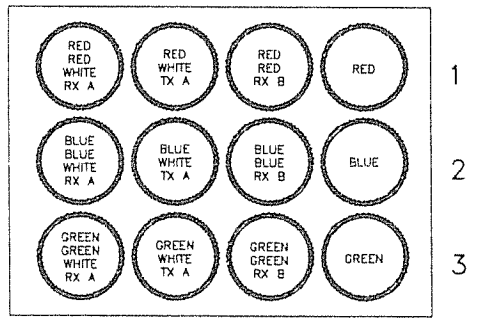


COAX LAYOUT

NTS

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



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	A	B	C
AZIMUTH	*40°	*170°	*270°
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°
HELIX 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

ANTENNA COLOR CODING SCHEDULE			
SECTOR	A	B	C
ANTENNA 1	RED, RED, WHITE	BLUE, BLUE, WHITE	GREEN, GREEN, WHITE
ANTENNA 2	RED, WHITE	BLUE, WHITE	GREEN, WHITE
ANTENNA 3	RED, RED	BLUE, BLUE	GREEN, GREEN
ANTENNA 4	OPEN PIPE (RED)	OPEN PIPE (BLUE)	OPEN PIPE (GREEN)



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

COLOR CODING

NO SCALE

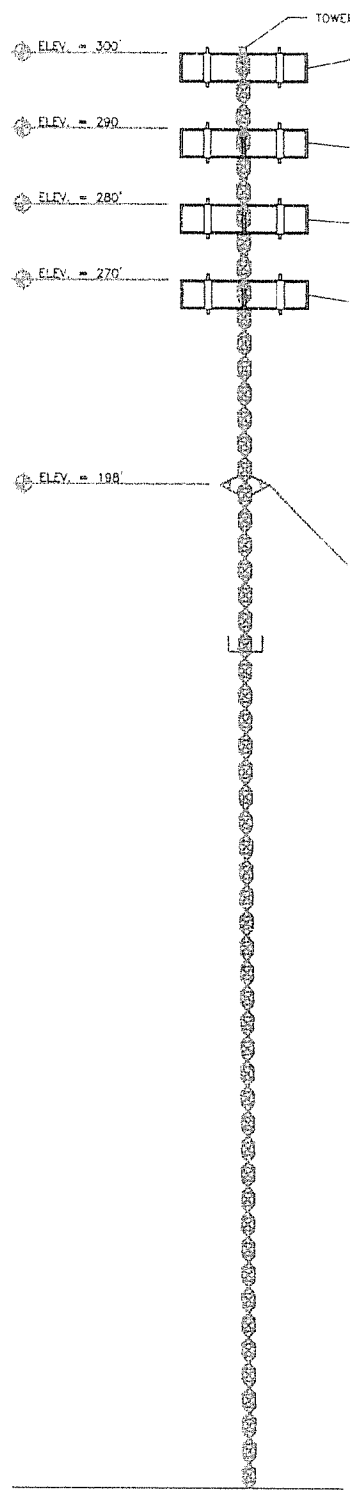
REV.	DATE	DESCRIPTION

WISDOM
1881 OLD GLASGOW ROAD
EDMONTON, KY 42129
TOWER ELEVATION, ANTENNA
PLAN & ANTENNA SCHEDULE

DESIGNED	DATE
BLB	3/23/06
CHECKED	

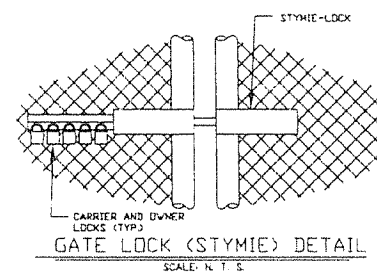
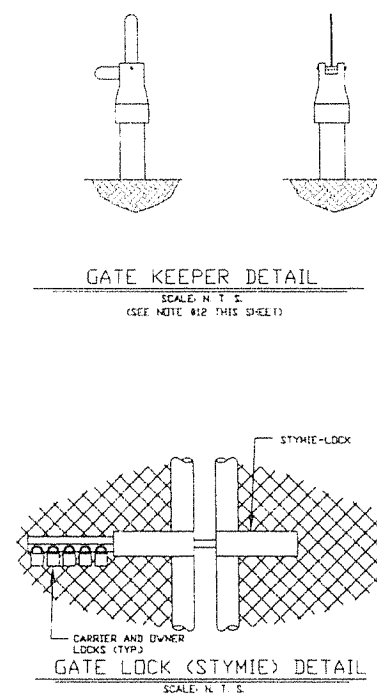
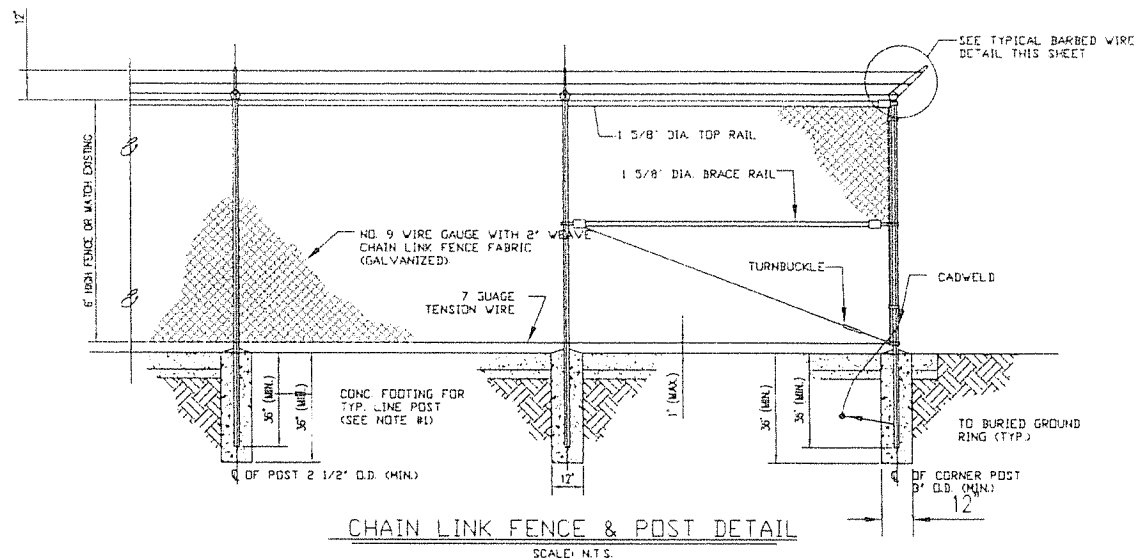
JOB NO.
06-0035-005

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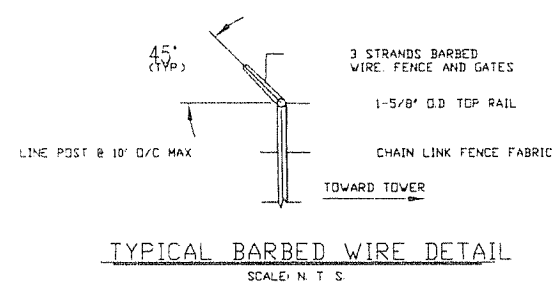
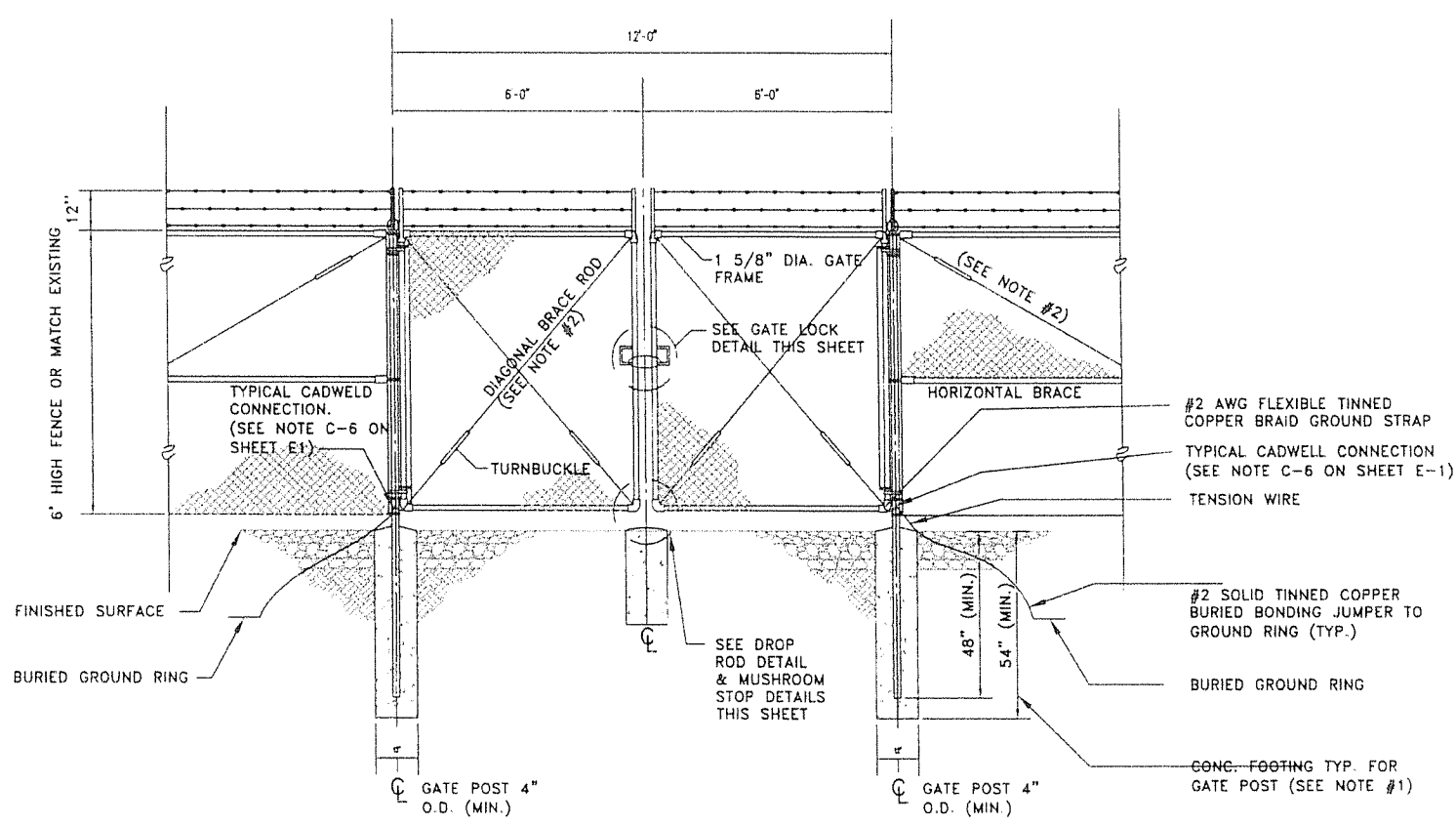


TOWER ELEVAT
NTS

151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500



- 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. TERMINAL POSTS SHALL BE 3" O.D. SCH 40 PIPE AND TOP RAILS SHALL BE 2" O.D. SCH 20 PIPE.
 6. SITE FENCE SHALL BE 6'-0" FABRIC W/ BARBED WIRE.
 7. FABRIC TO HAVE 120 OZ. ZINC PER SQ. FT.
 8. BARBED WIRE TO BE STANDARD GALVANIZED BARBED WIRE.
 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.



DOUBLE SWING GATE DETAIL
 SCALE: N.T.S.

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

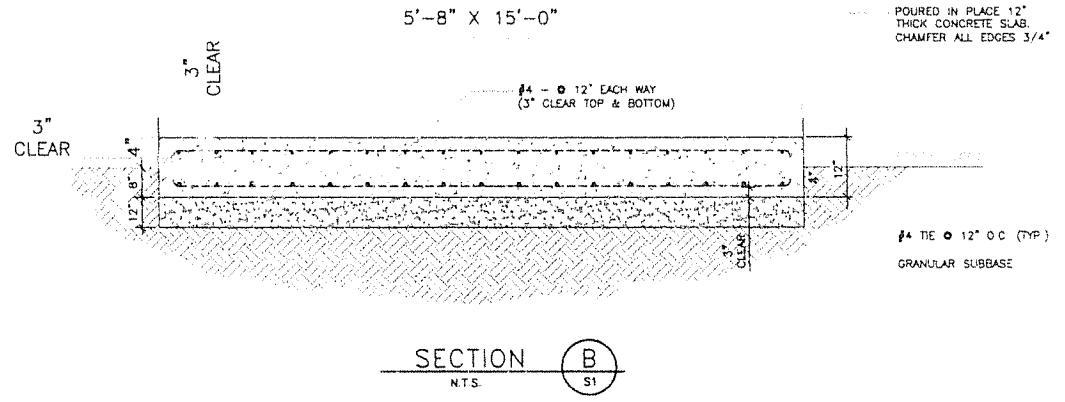
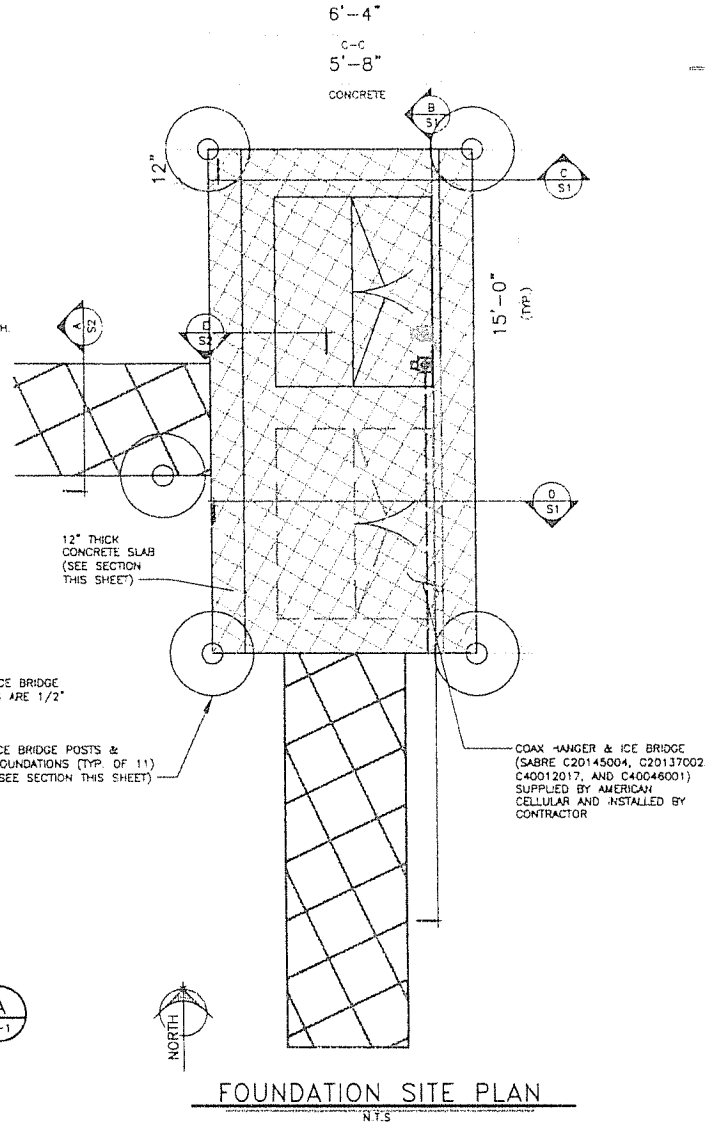
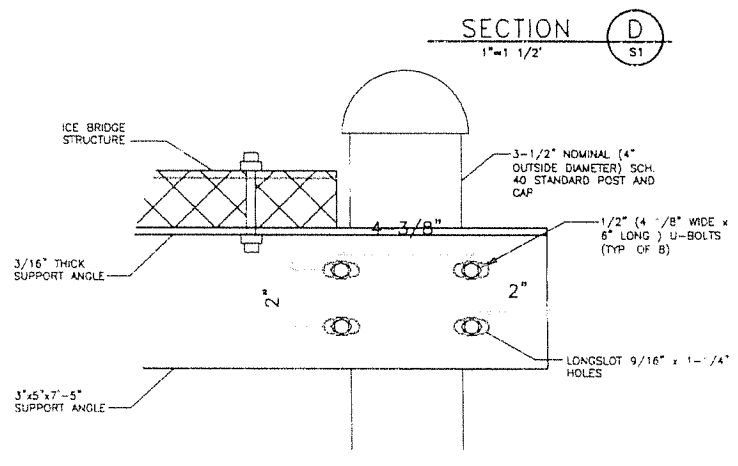
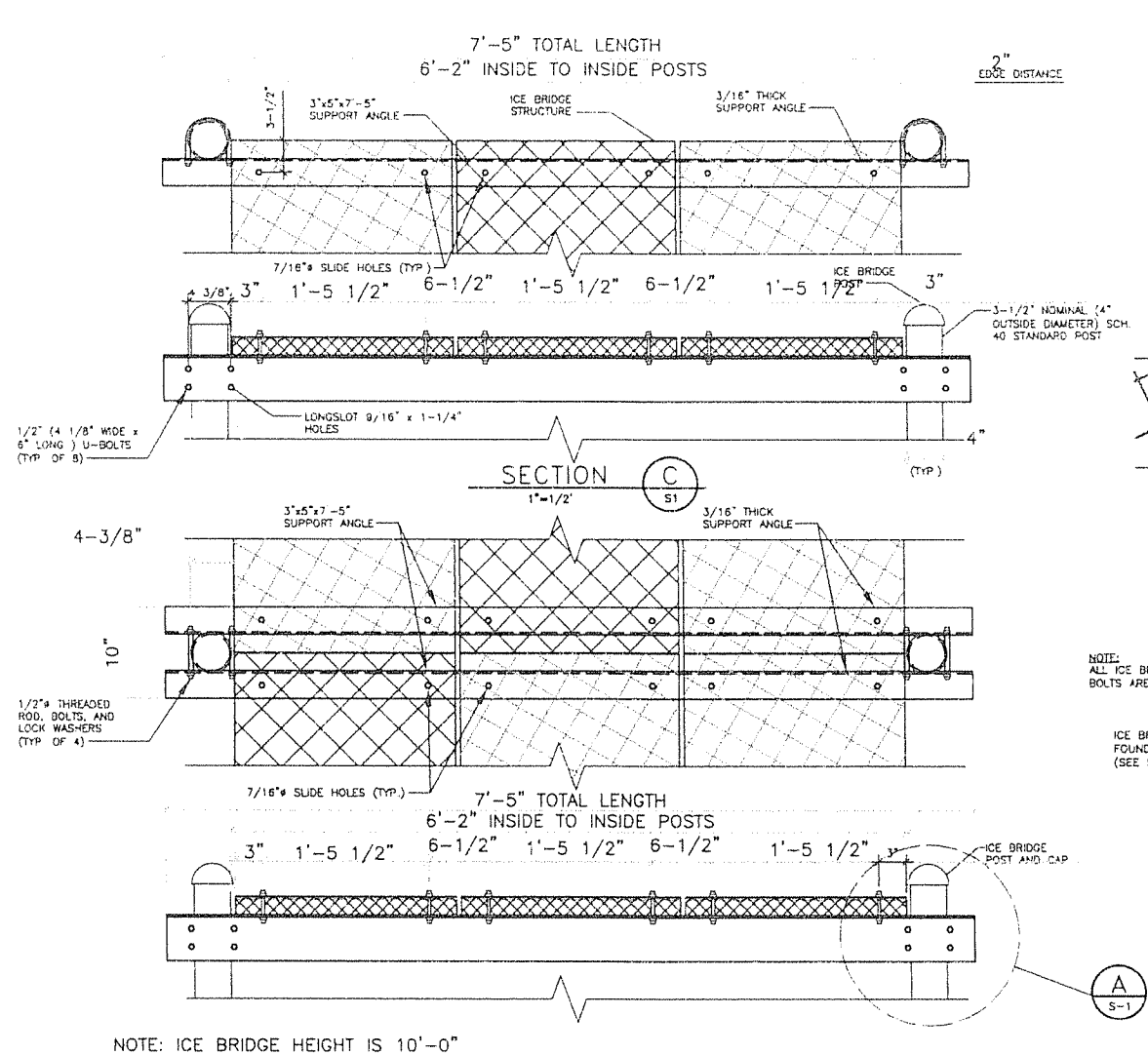
REV.	DATE	DESCRIPTION

WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON, KY 42129
**GENERAL FENCING DETAILS
 AND GENERAL NOTES**

DESIGNED	DATE
BLB	3/23/06
DRAWN	
BLB	3/23/06
CHECKED	

JOB NO.
 06-0035-005

F1



NOTES:

- 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.
- 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.
- 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 CONDITIONS, INCLUDING SUBSURFACE CONDITIONS, EMBANKMENT STABILITY, AND ALLOWABLE BEARING 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, MOULDED IN ACCORDANCE WITH ASTM-172. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING LAB FEES.
 D. ALL REINFORCING STEEL SHALL BE TIED, CONFORM TO ASTM-A615/A615M-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.
- CONCRETE WORK
 CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")
- UTILITY PROTECTION SERVICE
 KENTUCKY UNDERGROUND PROTECTION INC.: 1-800-752-8007
 PRIOR TO ANY DIGGING OR DRILLING

REV.	DATE	DESCRIPTION

WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON, KY 42129

**ICE BRIDGE AND FOUNDATION
 DETAILS & STRUCTURAL NOTES**

DESIGNED	DATE
ELB	3/23/06

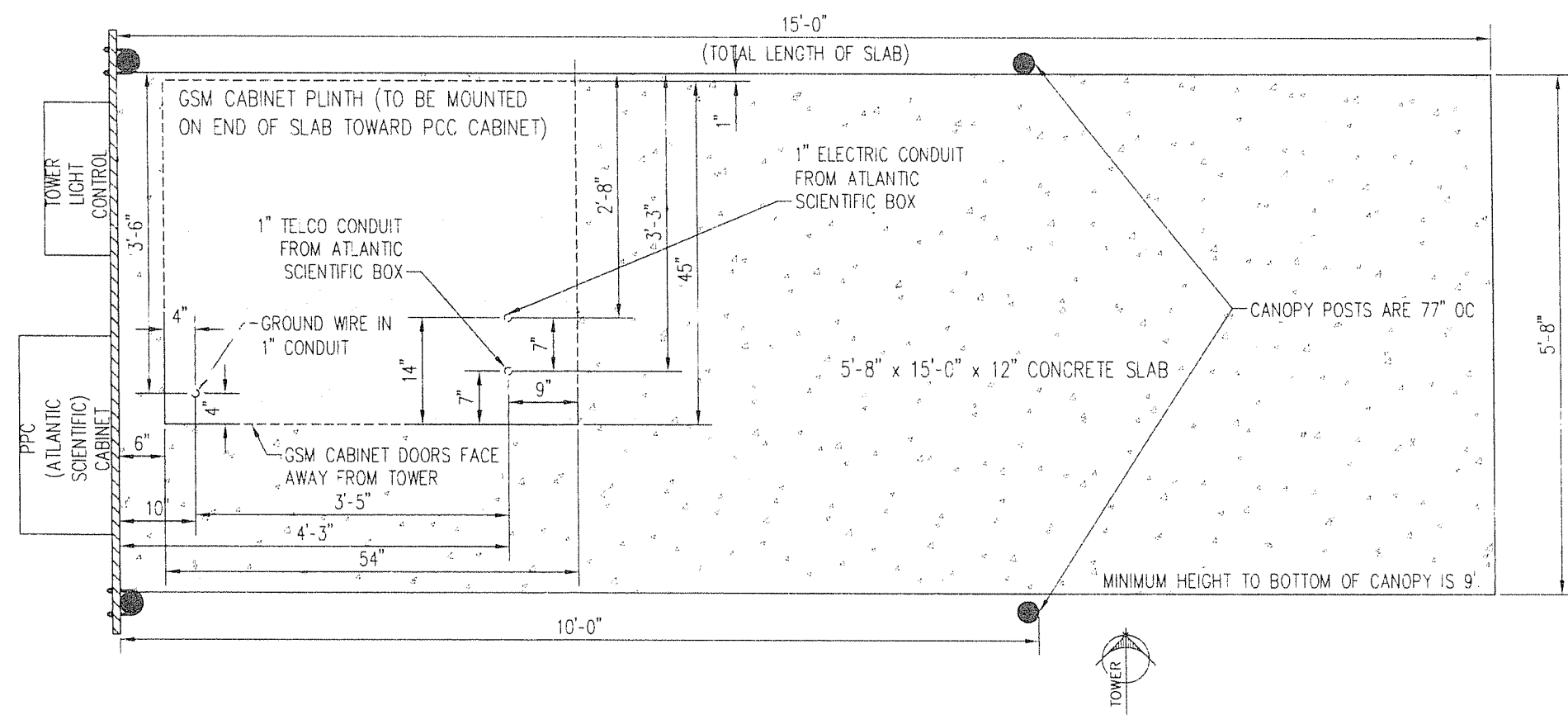
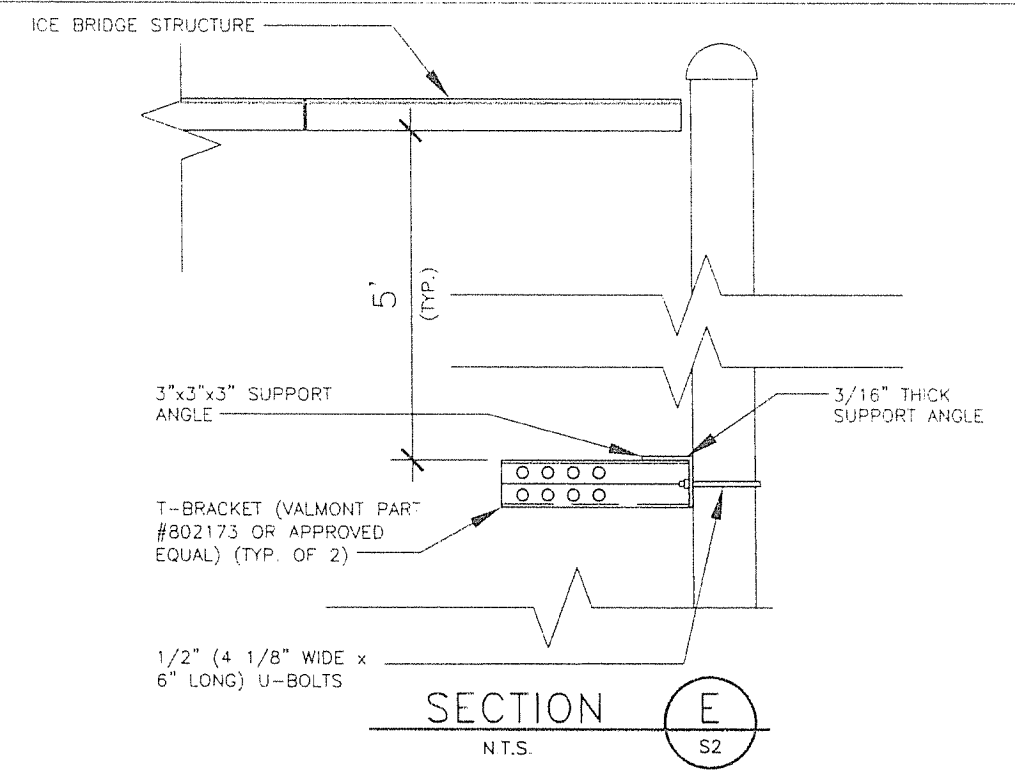
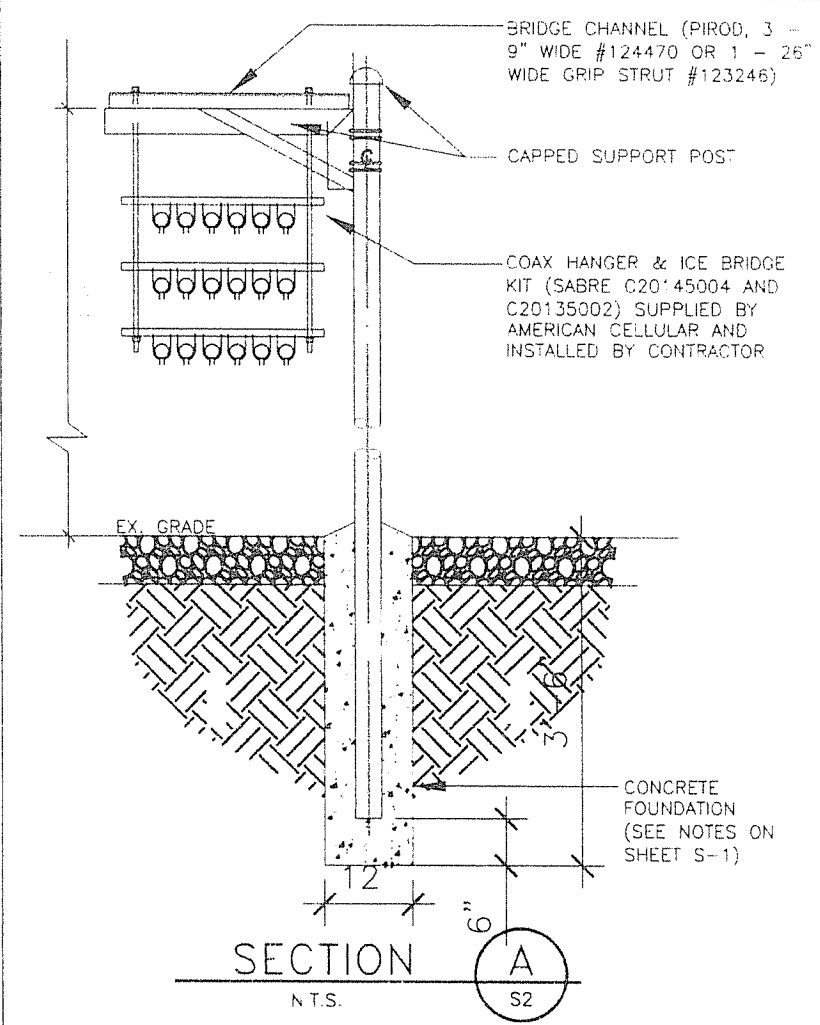
DRAWN	DATE
ELB	3/23/06

JOB NO.
 06-0035-005

S1

125 Lokene Drive Morgantown, WV 26508
 Tel: (304) 226-2246 Fax: (304) 226-2246
 E-mail: potesta@potesta.com

Potesta & Associates, Inc.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 125 Lakeview Drive, Morgantown, WV 26508
 TEL: (304) 225-2245 FAX: (304) 225-2248
 E-Mail Address: potesta@potesta.com



REV.	DATE	DESCRIPTION

WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON, KY 42129

ICE BRIDGE STRUCTURAL,
 FOUNDATION, & SLAB DETAILS

DESIGNED	DATE
BLB	3/24/06
DRAWN	
BLB	3/24/06
CHECKED	

JOB NO.
 06-0035-005

S2

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 PLOT DATE: 03/24/06 11:52:00
 PLOT BY: [redacted]

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:

- 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
- THE PROVISIONS AND INSTALLATION OF AN ELECTRICAL SERVICE AND ALL ASSOCIATED WIRE AND CONDUIT AS REQUIRED AND/OR INDICATED ON PLANS.
- ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. (UNLESS OTHERWISE NOTED)
- 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.
- THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL SERVICE ENTRANCE CONDUITORS AND CONDUIT AND MAKE THE CONNECTION TO THE SERVICE EQUIPMENT WITHIN THE EQUIPMENT CABINET
- THE CONTRACTOR SHALL FURNISH AND INSTALL 200# TEST PULL LINE IN ALL SPARE CONDUIT.
- CONTRACTOR SHALL NOTIFY ELECTRIC AND TELEPHONE SERVICES CONTACT AT START OF CONSTRUCTION.
- ABOVE GRADE RISER CONDUIT SHALL BE GALVANIZED STEEL WITH MATCHING FITTINGS
- 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
- ALL WIRE SHALL BE (COPPER, 600V THHW, 90°C) UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL MAINTAIN THE DISTANCE OF 12" BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF GROUNDING PRIOR TO TRENCHING

B. CODES, PERMITS AND FEES:

- ALL REQUIRED PERMITS, LICENSES, INSPECTIONS AND APPROVALS SHALL BE SECURED AND ALL FEES FOR SAME PAID BY CONTRACTOR
- 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.

- 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 (WELDS, 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 INHIBITOR 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.

D. GROUND TEST

GROUND TESTS SHALL BE PERFORMED UTILIZING A BICOLE 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.

E. TESTING

- ALL TEST SHALL BE PERFORMED BY AUTHORIZED AND QUALIFIED PERSONNEL
- 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
- 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
- UPON COMPLETION OF THE GROUNDING SYSTEM, THE ELECTRICAL CONTRACTOR SHALL MEGGER 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

F. ELECTRICAL LOADS

- 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

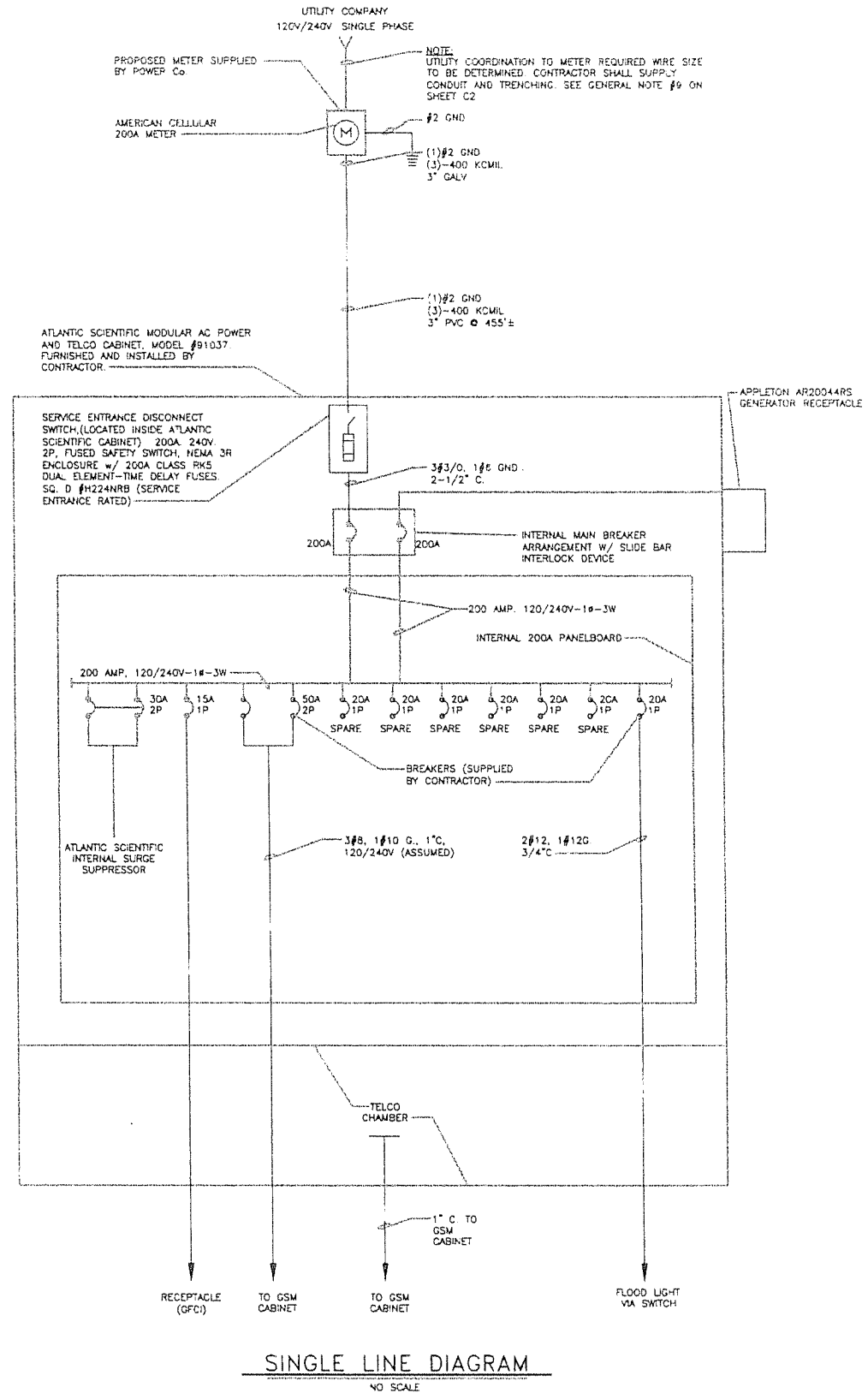
NOTE 1:

- CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF GROUNDING PRIOR TO TRENCHING.
- 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:

- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION
- 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



Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2248
E-Mail Address: potestad@potesta.com

REV.	DATE	DESCRIPTION

WISDOM
1881 OLD GLASGOW ROAD
EDMONTON, KY 42129
SINGLE LINE DIAGRAM
AND ELECTRICAL NOTES

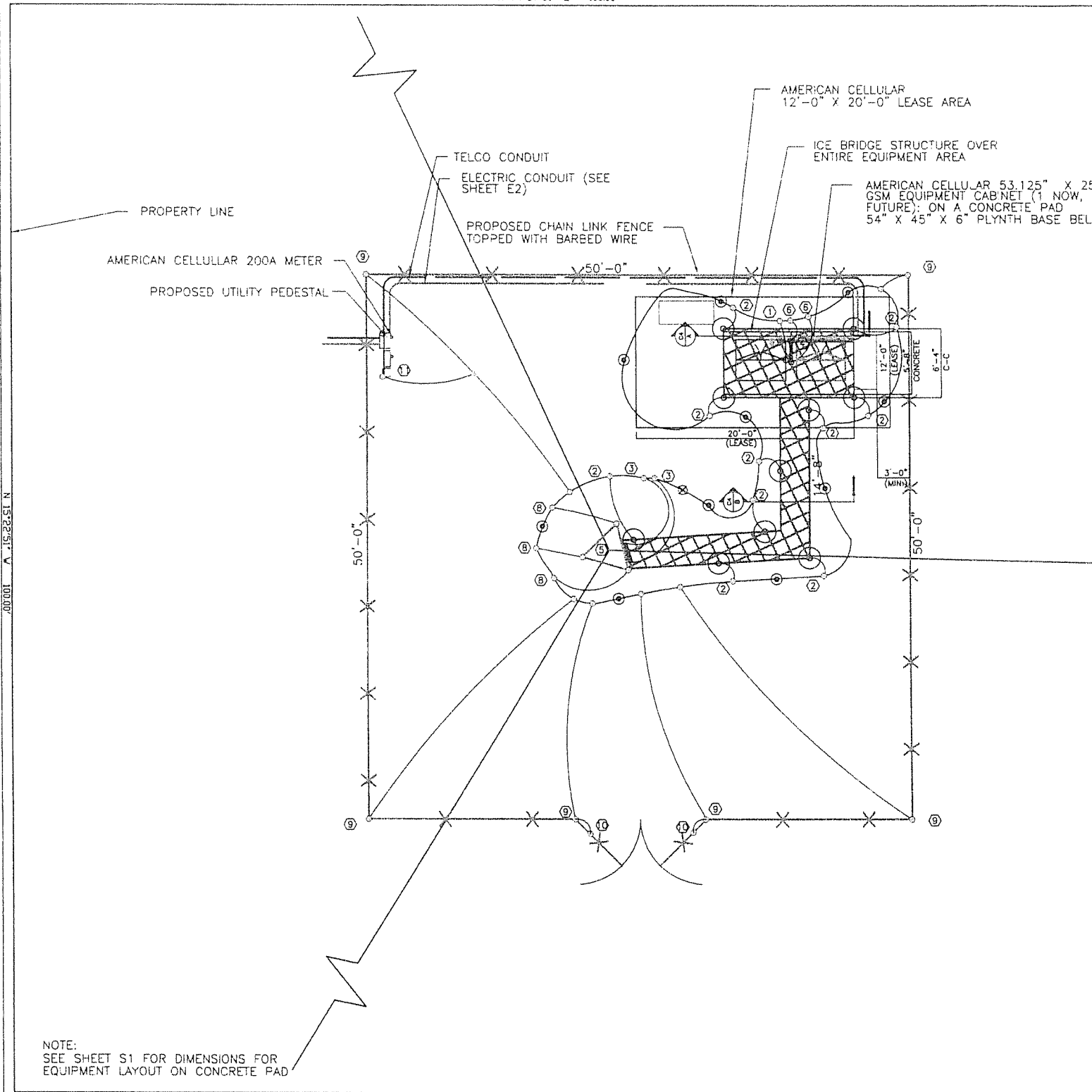
DESIGNED	DATE
BLB	3/24/08
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CHECKED	

JOB NO.
06-0035-005

E1

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N 74°37'09" E 100.00'



NOTE:
SEE SHEET S1 FOR DIMENSIONS FOR
EQUIPMENT LAYOUT ON CONCRETE PAD

S 74°37'09" W 100.00'

GROUNDING SITE PLAN

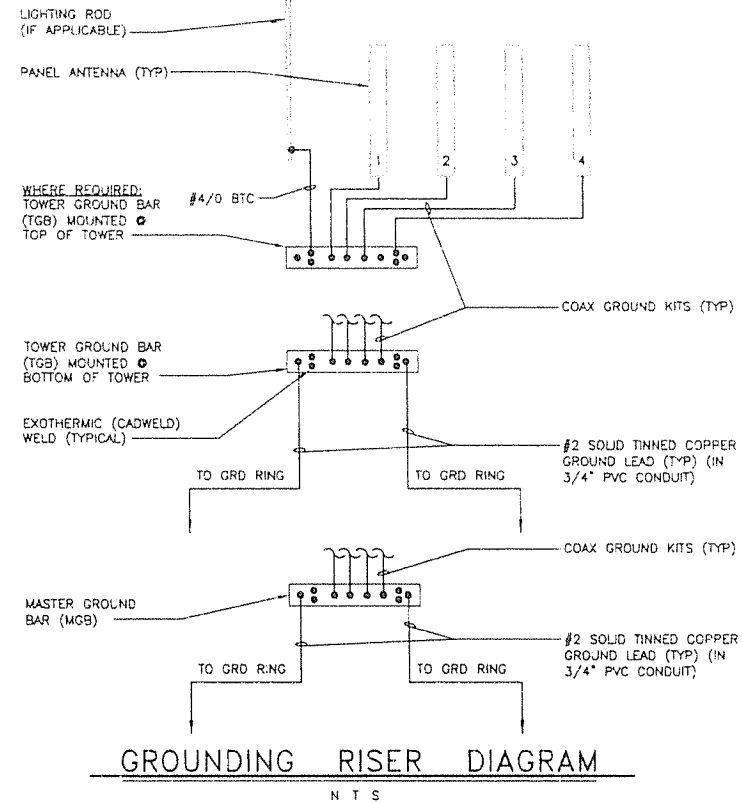
NTS



GROUNDING LEGEND

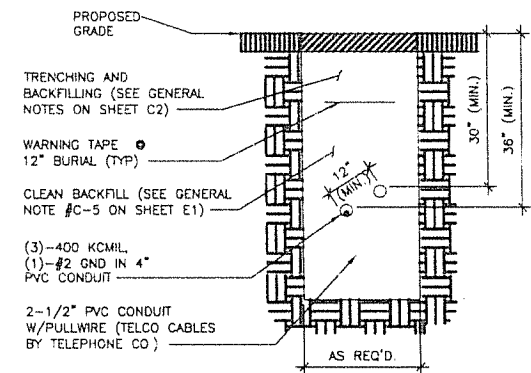
- | | | |
|-------------------------------------|--------------------|------------------------|
| BTC = BARE TINNED COPPER | ⊙ FENCE GROUND | ⊙ GROUND ROD (TYPICAL) |
| ① GSM CABINET GROUND LEAD | ⊙ GATE GROUND LEAD | ⊗ TEST WELL (TYPICAL) |
| ② ICE BRIDGE SUPPORT GROUND LEAD | ⊙ PEDESTAL GROUND | ○ EXOTHERMIC WELD |
| ③ GROUND LEADS TO TOWER GROUND BAR | | — GROUND BAR (TYP) |
| 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 DISCONNECT SW GROUND | | |

NOTE:
ALL #2 AWG BTC CONDUCTORS SHALL BE
EXOTHERMIC WELD TO GROUND BARS.
COMPRESSION LUGS ARE NOT ACCEPTABLE ON
SOLID CONNECTORS



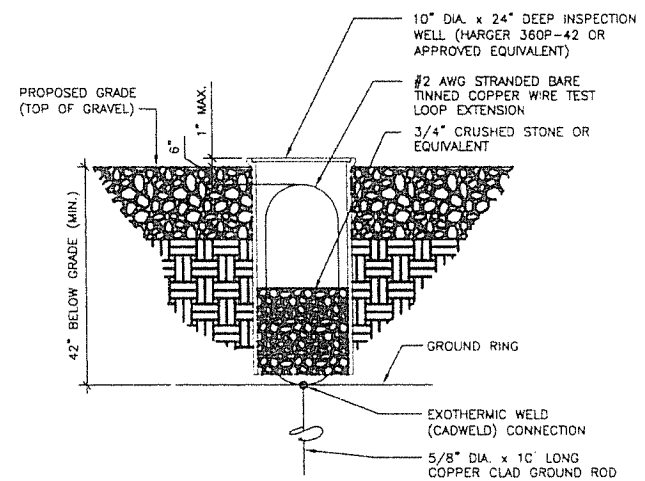
GROUNDING RISER DIAGRAM

NTS



TRENCH SECTION

NTS



TEST WELL DETAIL

NTS



Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakewood Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2248
E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

WISDOM
1881 OLD GLASGOW ROAD
EDMONTON, KY 42129
GROUNDING SITE PLAN AND
GROUNDING RISER DIAGRAM

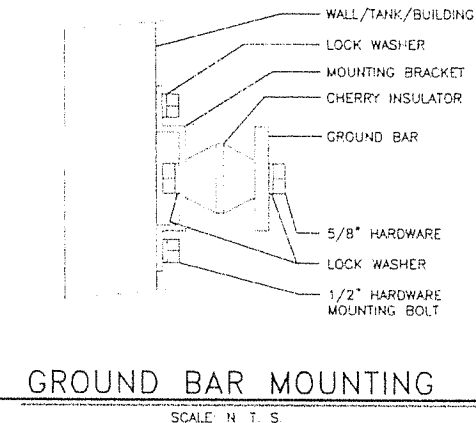
DESIGNED	DATE
BLB	3/24/06
DRAWN	
BLB	3/24/06
CHECKED	

JOB NO.
06-0035-005

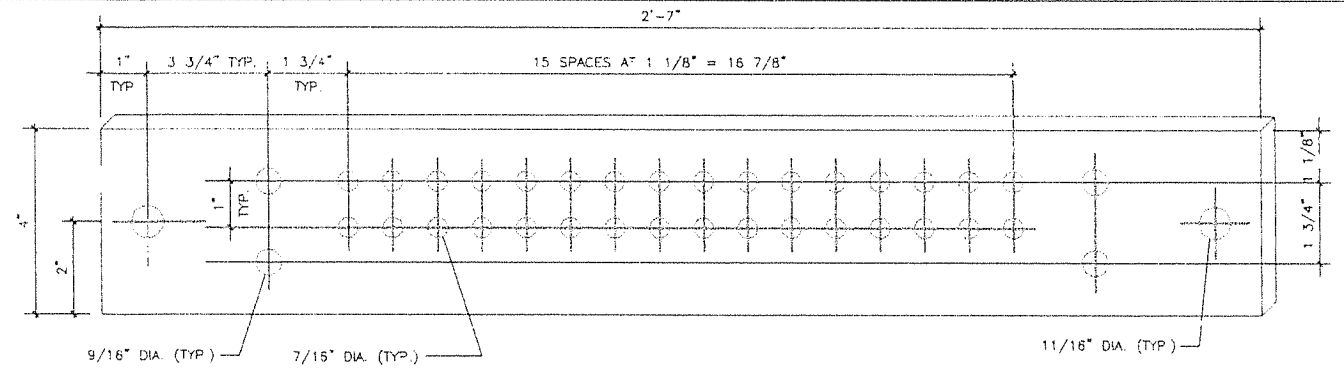
E2

NSD File: \\nsd\proj\potesta\proj\06-0035-005-02 - wisdom\06-0035-005-02.dwg
 Plot Date: 3/24/06 10:00 AM
 Plot Scale: 1"=100'-0"
 Plot Size: 36" x 48"

Potesta & Associates, Inc.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 126 Lakeland Drive, Morgantown, WV 26508
 TEL: (304) 225-2245 FAX: (304) 225-2246
 E-Mail Address: potesta@potesta.com

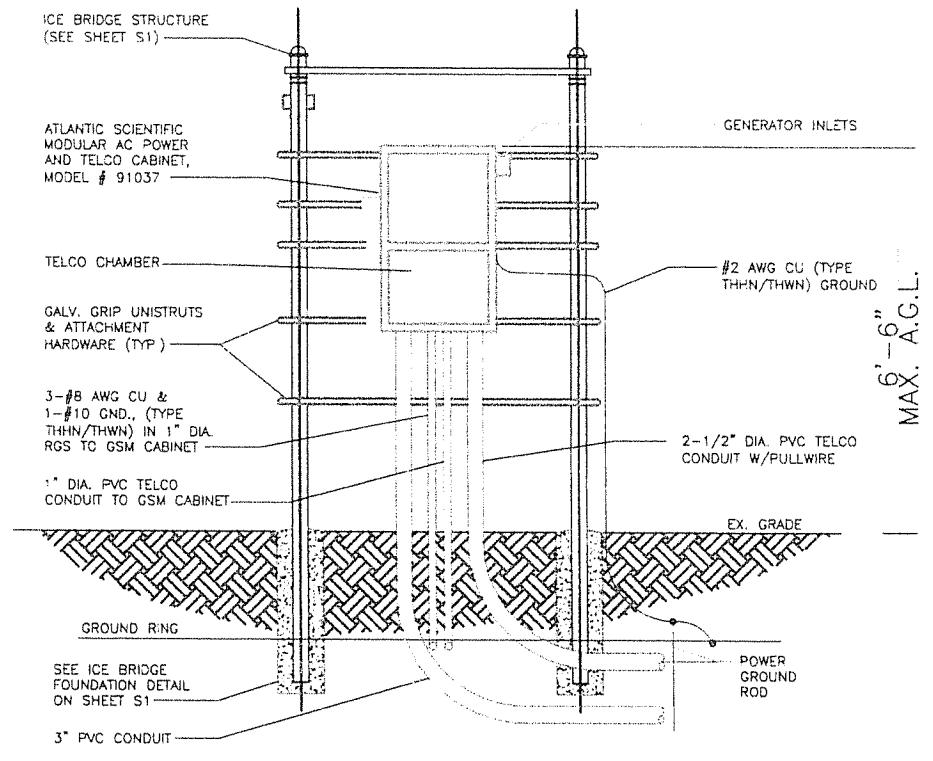


GROUND BAR MOUNTING
SCALE: N.T.S.



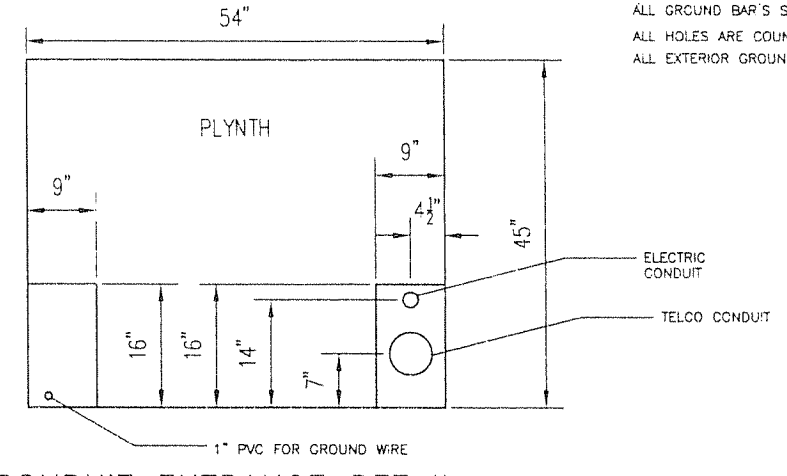
MASTER & TOWER GROUND BAR (MGB & TGB)
SCALE: N.T.S.

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



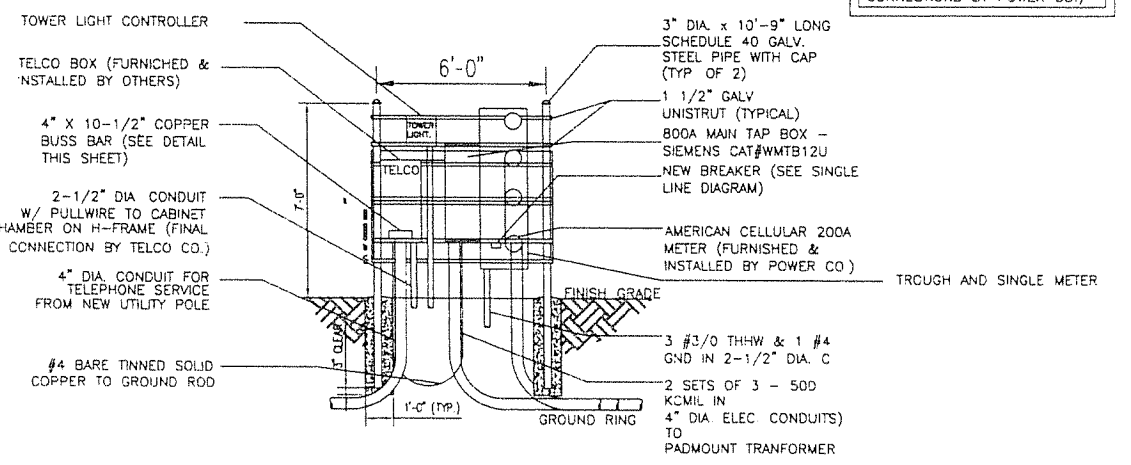
H-FRAME (FRONT VIEW)
SCALE: N.T.S.

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



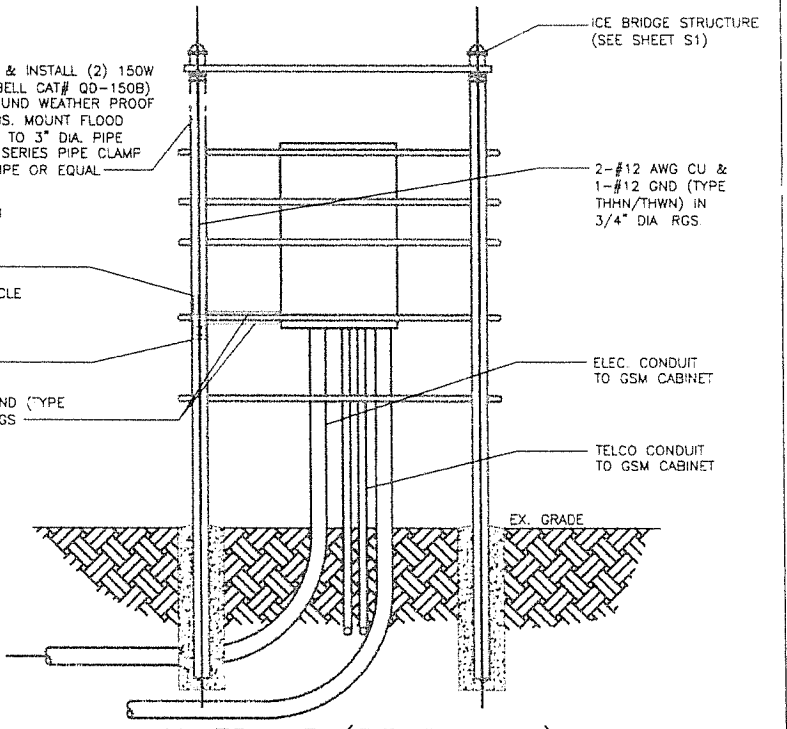
CONDUIT ENTRANCE DETAIL
SCALE: N.T.S.

- CONDUIT ENTRANCE NOTES:**
- 1 CONDUITS NEED TO STUB UP IN 9" X 16" SPACE (AS SHOWN)
 - 2 GROUND SHOULD BE PLACED AS SHOWN FOR BEST ROUTE TO GROUNDING BAR
 - 3 POWER CONDUIT CHANGES TO FLEX CONDUIT JUST ABOVE TOP OF PAD
 - 4 CONDUITS CUT OFF AT 2" ABOVE PAD
 - 5 USE #2 BARE TIN COPPER FOR GROUNDING CONDUCTORS



ELECTRICAL PEDESTAL
SCALE: N.T.S.

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



H-FRAME (REAR VIEW)
SCALE: 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# HBL1221RLK (SWITCH) WPFS26 (COVER PLATE) SWB5 (BOX)

WEATHERPROOF GFI RECEPTACLE HUBBELL CAT# GFR5352IA (RECEPTACLE) WPFS26 (COVER PLATE) SWBZ (BOX)

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

REV.	DATE	DESCRIPTION

ELECTRICAL DETAILS
 WISDOM
 1881 OLD GLASGOW ROAD
 EDMONTON KY. 42129

DESIGNED	DATE
BLB	3/24/06
DRAWN	
BLB	3/24/06
CHECKED	

JOB NO
 06-0035-005

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST:

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

CellularONE

124 S. Keeneland Drive Richmond, KY 40475

859-544-4802
859-544-5858 FAX

ACC Regional Engineering Office
KY-5,5,6,8 / WV-2,3 / PA-9 / OH-7

February 28, 2006

To Whom it May Concern:

This letter will address the service needs to be met by the proposed Wisdom site in the KY-5 RSA.

Currently, the GSM system has a gap from west of Edmonton to east of Glasgow along the Cumberland Parkway and surrounding areas. The proposed site extends that coverage southwest from Edmonton to connect to the next site west and on in to Glasgow. The significant terrain variations throughout the area cause the need for a height of 300 ft. above the ground elevation at the site location.

Sincerely,



W. Eric Broviak
Regional Rf Engineering Manager

Notice of Proposed Construction or Alteration (7460-1)

Project Name: SHARE-000033512-06 **Sponsor:** Shared Sites, L.L.C.

Details for Case : Wisdom

Show Project Summary

Case Status

ASN: 2006-ASO-715-OE **Date Submitted:** 02/07/2006
Status: Accepted **Date Accepted:** 02/07/2006
Date Determined:
Letter: None

Construction / Alteration Information

Notice Of: Construction
Duration: Permanent
if Temporary :Months: Days:

Work Schedule - Start: 04/01/2006
Work Schedule - End: 12/31/2006

State Filing:

Structure Summary

Structure Name: Wisdom
Structure Type: Antenna Tower

Other :

FCC Number:
Prior ASN:

Structure Details

Latitude: 36° 59' 37.65" N
Longitude: 85° 41' 15.5" W
Horizontal Datum: NAD83
Horizontal Accuracy: None
Site Elevation (SE): 920 (nearest foot)
Structure Height (AGL): 306 (nearest foot)
Marking/Lighting: White-medium intensity

Other :

Nearest City: Edmonton
Nearest State: Kentucky
Traverseway: No Traverseway

Description of Location: 1887 Old Glasgow Rd
 Edmonton, KY 42149
Description of Proposal: 300' Wireless
 Communications Tower
 w/ 6' lightning rod
 located within fenced
 compound.

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

Specific Frequencies



Federal Aviation Administration
 Air Traffic Airspace Branch, ASW-520
 2601 Meacham Blvd.
 Fort Worth, TX 76137-0520

Aeronautical Study No.
 2006-ASO-715-OE

Issued Date: 03/02/2006

Kamal Doshi
 Shared Sites, L.L.C.
 1390 Chain Bridge Rd #40
 McLean, VA 22101

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

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

Structure Type: Antenna Tower
 Location: Edmonton, KY
 Latitude: 36-59-37.65 NAD 83
 Longitude: 85-41-15.5
 Heights: 306 feet above ground level (AGL)
 1226 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory Circular 70/7460-1 K, Obstruction Marking and Lighting, 24-hr med-strobes - Chapters 4,6(MIWOL), &12.

It is required that the enclosed FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

At least 10 days prior to start of construction
 (7460-2, Part I)

Within 5 days after the construction reaches its greatest height
 (7460-2, Part II)

As a result of this structure being critical to flight safety, it is required that the FAA be kept apprised as to the status of the project. Failure to respond to periodic FAA inquiries could invalidate this determination.

This determination expires on 09/02/2007 unless:

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

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION

MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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

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

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

If we can be of further assistance, please contact our office at (817)222-5538. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2006-ASO-715-OE.

Signature Control No: 451710-442697

(DNE)

Prentiss Andrews
Specialist

Attachment(s)
Frequency Data

7460-2 Attached

Frequency Data for ASN 2006-ASO-715-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W



Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 200 Mero Street, Frankfort, KY 40622 APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE INSTRUCTIONS INCLUDED		Kentucky Aeronautical Study Number
1. APPLICANT -- Name, Address, Telephone, Fax, etc. Shared Sites, L.L.C. Attn: Kamal Doshi 1390 Chain Bridge Rd #40 McLean, VA 22101 703-893-0806 (phone) 703-852-7289 (fax)	9. Latitude: <u>36</u> ° <u>59</u> ' <u>37</u> " <u>65</u> " 10. Longitude: <u>85</u> ° <u>41</u> ' <u>15</u> " <u>50</u> " 11. Datum: <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other 12. Nearest Kentucky City: <u>Edmonton</u> County <u>Metcalf</u> 13. Nearest Kentucky public use or Military airport: <u>Columbia-Adair County Airport (I96)</u> 14. Distance from #13 to Structure: <u>20.0 miles</u> 15. Direction from #13 to Structure: <u>ESE</u> 16. Site Elevation (AMSL): <u>920.00</u> Feet 17. Total Structure Height (AGL): <u>306.00</u> Feet 18. Overall Height (#16 + #17) (AMSL): <u>1,226.00</u> Feet 19. Previous FAA and/or Kentucky Aeronautical Study Number(s): 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) 1887 Old Glasgow Rd Edmonton, KY 42129	
2. Representative of Applicant -- Name, Address, Telephone, Fax Boulevard Properties, L.L.C. Attn: Matt Wallack 7383 Utica Blvd Lowville, NY 13367 315-376-3333 (phone) 315-376-8139 (fax)	3. Application for: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing 4. Duration: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Months Days) 5. Work Schedule: Start <u>01 Apr 2006</u> End <u>31 Dec 2006</u> 6. Type: <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Power Line <input type="checkbox"/> Landfill <input type="checkbox"/> Water Tank <input type="checkbox"/> Other 7. Marking/Painting and/or Lighting Preferred: <input type="checkbox"/> Red Lights and Paint <input type="checkbox"/> Dual - Red & Medium Intensity White <input checked="" type="checkbox"/> White - Medium Intensity <input type="checkbox"/> Dual - Red & High Intensity White <input type="checkbox"/> White - High Intensity <input type="checkbox"/> Other 8. FAA Aeronautical Study Number _____	
21. Description of Proposal: 300' Wireless Communications Tower with 6' lightning rod facility located within fenced compound		
22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, When <u>February 07, 2006</u>		
CERTIFICATION: I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge and belief		
<u>Matthew J. Wallack</u> Printed Name and Title		 Signature
		<u>07 Feb 2006</u> 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.		
Commission Action: <input type="checkbox"/> Chairman, KAZC <input type="checkbox"/> Administrator, KAZC <input checked="" type="checkbox"/> Approved _____ Date _____ <input type="checkbox"/> Disapproved _____		

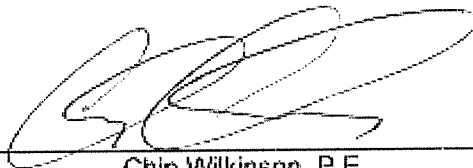
**GEOTECHNICAL ENGINEERING REPORT
PROPOSED 300-FT GUYED TOWER
WISDOM SITE
EDMONTON, KENTUCKY 42149
FEBRUARY 2006
SMG PROJECT NO. 2006-3975**

Prepared for:

**SHARED SITES, LLC
AMERICAN CELLULAR
and
BTM ENGINEERING, INC.
Louisville, Kentucky**

Prepared by:

**SMITH MANAGEMENT GROUP
Louisville, Kentucky**



Chip Wilkinson, P.E.
Geotechnical Engineer



**GEOTECHNICAL ENGINEERING REPORT
PROPOSED 300-FT GUYED TOWER
WISDOM SITE
EDMONTON, KENTUCKY 42149
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TABLE OF CONTENTS

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APPENDIX

Site Location (Topographic) Map
Boring Location Plan
Boring Logs
Geologic Map
Geologic Map Key
Geologic Description

1.0 INTRODUCTION

Subsurface exploration for the tower planned for construction in Edmonton, Kentucky has been completed. As a part of our subsurface exploration, four (4) sample borings extending to depths of approximately 15 feet below existing grade were drilled at the site. The purpose of this report is to describe the subsurface conditions encountered in the borings, analyze and evaluate the test data, and provide recommendations regarding the design and construction of the foundation system for the proposed communication tower.

2.0 SITE LOCATION AND PROJECT DESCRIPTION

The site is located at 1887 Old Glasgow Road just south of the Louie B. Nunn Cumberland Parkway in Edmonton, Kentucky (see attached topographic map). Exact tower loads were not available for this writing; however, based on our past experience and conversations with BTM personnel, the maximum loads are anticipated to be as follows:

<u>Tower</u>		<u>Anchors</u>	
Vertical (down):	125 kips	Uplift Load:	20 kips
Horizontal Shear:	4 kips	Lateral Load:	23 kips

Settlement restrictions for the tower were not available at the time of this writing but we understand that the guy anchors can periodically be re-tensioned to accommodate slight lateral and vertical movements.

The new tower will be constructed near the highest topographic point in an open grass-covered field. Site grading for the tower compound is expected to include less than about 2 feet of cut and fill to establish rough subgrade elevation. Surface water drainage generally flows to the south toward Dry Fork.

3.0 SUBSURFACE EXPLORATION AND TESTING PROCEDURES

The subsurface exploration consisted of drilling and sampling a total of four borings at the locations staked in the field (see attached Boring Location Plan). The soil borings were drilled with a Giddings ATV-mounted rotary drill rig using 3-inch diameter soil augers with dual carbide-tipped cutting teeth to advance the borehole. Representative soil samples were obtained from the cuttings produced by the drilling process and subsequently placed in sealed containers for transport to the laboratory for further evaluation and classification. The samples were classified by SMG's geotechnical engineer based on visual observation, texture and plasticity. Penetrometer tests were performed on representative soil samples to evaluate soil shear strength, compressibility and consistency in-situ.

Field logs of the borings were prepared by the geotechnical engineer. These logs included visual classifications of the materials encountered during drilling as well as the engineer's interpretation of the subsurface conditions between samples. The final boring logs included with this report represent an interpretation of the field logs and include modifications based on the classification results. Estimated group symbols according to the Unified Soil Classification System are given on the boring logs.

4.0 SITE GEOLOGY

Review of the Geologic Map of the Summer Shade Quadrangle indicates that the bedrock in the project area is comprised of the Salem and Warsaw Limestones and Fort Payne Formation. These rock formations are generally comprised of limestone, siltstone and silty shale. A more detailed description of the bedrock formations is attached to this report.

5.0 SUBSURFACE CONDITIONS

Specific soil conditions encountered at the sample boring locations are indicated on the attached boring logs and discussed in the following paragraphs. In general, the approximately 6 inches of topsoil is underlain by alternating layers of medium stiff to very stiff brown, reddish brown and brownish red lean clay (CL), lean to fat clay (CL/CH) and fat clay (CH) residual soils to the boring termination depths. The clay exhibited cohesive strengths ranging from about 500 psf to 3,000 psf and N-values were estimated to be on the order of 4 to 24 blows per foot, indicative of moderate to high soil shear strength and moderate to low compressibility.

Groundwater was not observed in the borings during or immediately after completion of drilling operations. However, fluctuations in the groundwater table can occur and perched water can develop over low permeability soil or rock strata following periods of heavy or prolonged precipitation. The possibility of encountering groundwater should be considered when developing design and construction plans and specifications for the project. In light of the relatively low permeability of the clay soils encountered at this site, long term monitoring in cased holes or piezometers would be necessary to accurately evaluate the potential range of groundwater conditions on the site.

6.0 ANALYSIS AND RECOMMENDATIONS

6.1 GENERAL

Based on the encountered subsurface conditions, it is our opinion that a shallow foundation would be the most practical and economical foundation for the proposed tower. Guy anchors can be designed as shallow dead-man anchor blocks. Shallow foundation and anchor block recommendations are presented in the following paragraphs.

6.2 TOWER FOUNDATION

A shallow spread footing can be used to support the proposed tower. A shallow footing founded at least 3 feet below existing grade in the stiff brownish red lean to fat clay may be designed using a net allowable soil bearing pressure of 3,000 psf. The allowable bearing pressure may be increased to 4,000 psf if the footing bottom is extended into the very stiff brownish red fat clay encountered at a depth of about 6 feet below existing grade. These allowable bearing pressures include a safety factor of at least 3.

compacted to at least 95 percent of the standard proctor maximum dry density within 3 percent of the optimum water content.

A minimum plan footing dimension of 4 feet is recommended to reduce the potential for local soil shear failure. To resist lateral loads, an ultimate friction factor of 0.35 can be taken between the tower foundation and underlying native soil. If additional lateral resistance is required, the passive resistance values given for the anchor blocks may be utilized.

6.3 ANCHOR BLOCKS

Anchor blocks can be used to restrain the tower by resisting lateral and vertical components of tensile forces in the guy wires. We presume that the top of the anchors will be set about 4 to 6 feet below the ground surface and the anchors will be about 2 to 4 feet thick (measured top to bottom). Based on the results of our subsurface exploration, the following geotechnical parameters may be used to design the anchors.

Guy Anchor Design Parameters

Anchor Depth (feet)	Soil Description	Allowable Skin Friction (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)
0 – 4	Topsoil and Clay	Ignore	Ignore	-	-
4 – 10	Medium stiff to very stiff lean to fat clay	450	1,750	0	1,750

The values provided in the above table are based on the presumption that the vertical anchor bearing face and sides will be in direct contact with undisturbed soil. Frictional resistance at the base of the block should be ignored for evaluation purposes due to uplift considerations. The above indicated cohesion values have no factors of safety, and the allowable skin friction and passive resistance values have factors of safety of 2. The cohesion values given in the above table are based on our borings, published values and our past experience with similar soil types. These values should, therefore, be considered approximate.

Uplift forces on the anchors can be resisted by the dead weight of the anchor block and the effective weight of any soil above the block. A soil unit weight of 120 pcf is considered appropriate based on the presumption that the on-site clay soils will be

6.4 RESISTIVITY ANALYSIS

Resistivity of the subsurface soil was measured at the site using an AEMC Model 4500 Ground Resistance Tester. The Wenner Vertical Profiling Method was used. With this array, potential electrodes are centered on a traverse line between the current electrodes and an equal "A" spacing between electrodes is maintained. Resistivity measurements were taken along two (2) traverses. Locations of the soil resistivity traverses are shown on the attached Boring Location Plan. Individual resistivity values at various "A" spacings along the two traverses are summarized in the following table:

Electric Resistivity Test Results

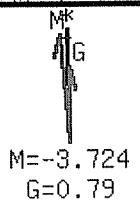
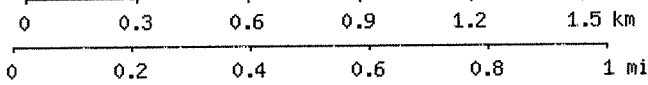
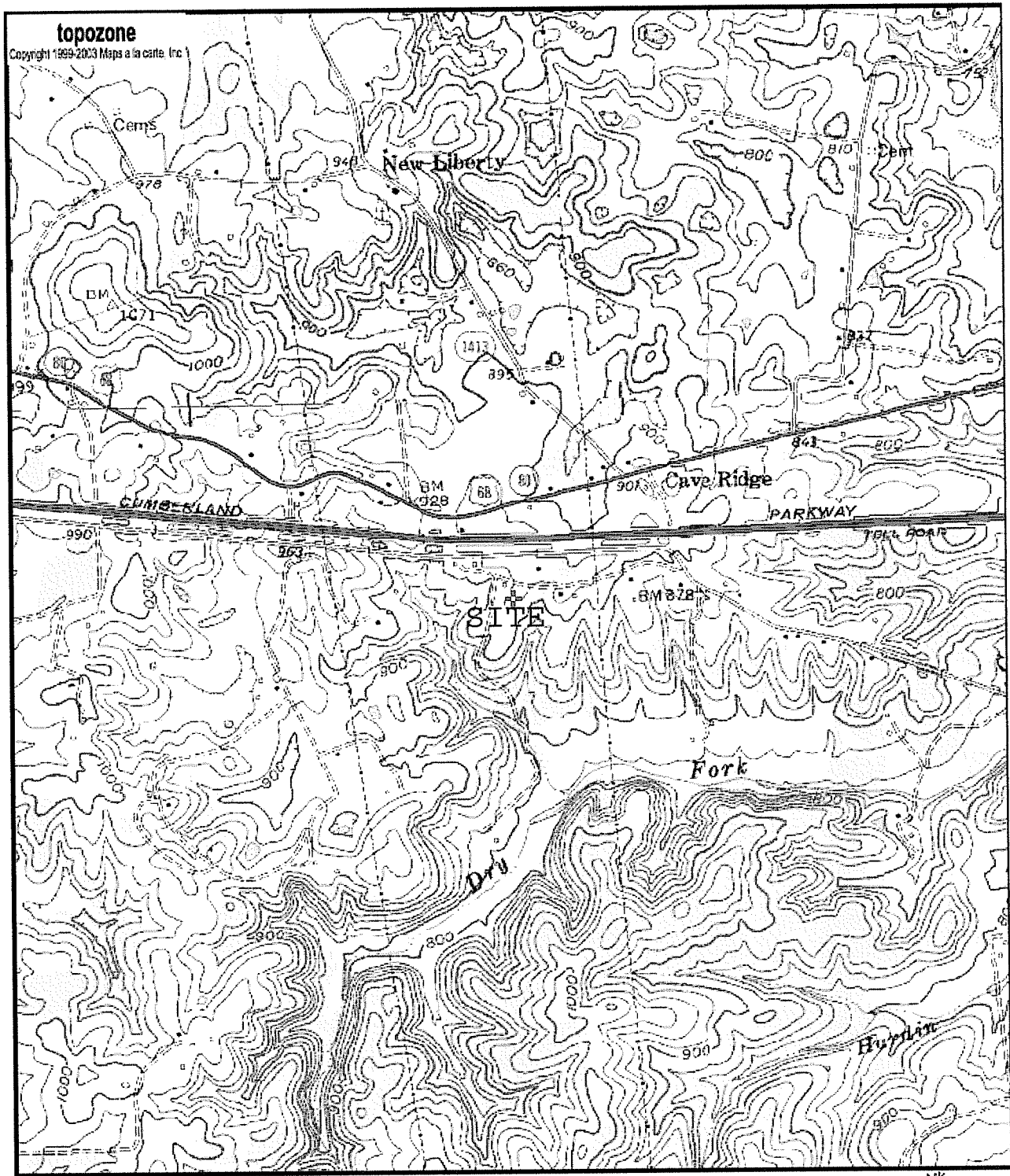
Traverse No.	"A" Spacing (ft)	Resistivity (ohm-cm)
A - A	5	955
A - A	10	1,350
A - A	20	2,800
B - B	5	1,020
B - B	10	1,260
B - B	20	2,555

7.0 QUALIFICATIONS

SMG should review the final design plans and specifications and provide comments regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. SMG should also observe excavation and foundation construction operations.

The analysis and recommendations presented in this report are based upon the data obtained from the borings performed at the indicated locations and from other information discussed in this report. This report does not reflect variations that may occur across the site. The nature and extent of such variations may not become evident until construction. If variations appear, it will be necessary to reevaluate the recommendations of this report.

This geotechnical report has been prepared for the exclusive use of **Shared Sites, LLC, American Cellular, and BTM Engineering** for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either expressed or implied, are intended or made. In the event that changes in the nature, design, or location of the project as outlined in this report, are planned, the conclusions and recommendations contained in this report shall not be considered valid unless SMG reviews the changes, and either verifies or modifies the conclusions of this report in writing.



Map center is UTM 16 616775E 4095028N (WGS84/NAD83)
Summer Shade quadrangle
 Projection is UTM Zone 16 NAD83 Datum

Wisdom Site
 Edmonton, Kentucky



Old Glasgow Road

B-4



B-2



B-1



"A" Traverse

"B" Traverse

B-3



Approximate Boring Location

Not to scale

Smith Management Group
1860 Williamson Court, Ste B
Louisville, Kentucky 40223
502-773-0181 (office)
502-587-6572 (fax)

BORING LOCATION PLAN
PROPOSED GUYED TOWER
WISDOM SITE

Edmonton, Kentucky
February 2006

WILKINSON ENGINEERING, INC.

Eastpoint Business Park
 1860 Williamson Court, Suite B
 Louisville, Kentucky 40223
 Telephone: 502-773-0181
 Fax: 502-587-6572

BORING # 1

Page 1 of 1
 Client: BTM Engineering
 Project #: 2006-3975
 Project Name: Wisdom Site
 Project Location: Edmonton, Kentucky

Date Started: February 24, 2006 Ground Elevation: _____
 Date Completed: February 24, 2006 Ground Water Levels: _____
 Drilling Contractor: Wilkinson Engineering, Inc. At time of drilling: Dry
 Drilling Method: Flight Auger At end of drilling: Dry
 Logged by: Chip Wilkinson, PE

Depth (ft)	Sample Type	Sample Number	Estimated N-Value	RQD (%)	Recovery (inches)	Cohesive Strength (psf)	Water Content (%)	USCS	Graphic Log	Material Description
										Topsoil
2.5		1	5			625		CL		Medium stiff brown lean clay, moist
5		2	12			1,500		CL/CH		Stiff brownish red lean to fat clay, moist
7.5		3	20			2,500		CH		Very stiff brownish red fat clay, slightly moist to moist
10		4	24			3,000		CH		
12.5		5	22			2,750		CH		
15										End Boring @ 15 feet

WILKINSON ENGINEERING, INC.

Eastpoint Business Park
 1860 Williamson Court, Suite B
 Louisville, Kentucky 40223
 Telephone: 502-773-0181
 Fax: 502-587-6572

BORING # 2

Page 1 of 1
 Client: BTM Engineering
 Project #: 2006-3975
 Project Name: Wisdom Site
 Project Location: Edmonton, Kentucky

Date Started: February 24, 2006
 Date Completed: February 24, 2006
 Drilling Contractor: Wilkinson Engineering, Inc.
 Drilling Method: Flight Auger
 Logged by: Chip Wilkinson, PE

Ground Elevation: _____
 Ground Water Levels: _____
 At time of drilling: Dry
 At end of drilling: Dry

Depth (ft)	Sample Type	Sample Number	Estimated N-Value	RQD (%)	Recovery (inches)	Cohesive Strength (psf)	Water Content (%)	USCS	Graphic Log	Material Description
										Topsoil
2.5		1	24			3,000		CH		Very stiff brownish red fat clay, slightly moist
5		2	20			2,500	CH			
7.5		3	12			1,500		CL/CH		Stiff dark reddish brown lean to fat clay, moist
10		4	14			1,000		CL		Medium stiff to stiff brown lean clay with numerous chert fragments
12.5		5	17			1,250	CL			
15										End Boring @ 15 feet

WILKINSON ENGINEERING, INC.

Eastpoint Business Park
 1860 Williamson Court, Suite B
 Louisville, Kentucky 40223
 Telephone: 502-773-0181
 Fax: 502-587-6572

BORING # 3

Page 1 of 1
 Client: BTM Engineering
 Project #: 2006-3975
 Project Name: Wisdom Site
 Project Location: Edmonton, Kentucky

Date Started: February 24, 2006
 Date Completed: February 24, 2006
 Drilling Contractor: Wilkinson Engineering, Inc.
 Drilling Method: Flight Auger
 Logged by: Chip Wilkinson, PE

Ground Elevation: _____
 Ground Water Levels: _____
 At time of drilling: Dry
 At end of drilling: Dry

Depth (ft)	Sample Type	Sample Number	Estimated N-Value	RQD (%)	Recovery (inches)	Cohesive Strength (psf)	Water Content (%)	USCS	Graphic Log	Material Description
										Topsoil
2.5		1	4			500		CL		Medium stiff reddish brown lean clay, moist to very moist
5		2	14			1,250		CL/CH		Stiff reddish brown lean to fat clay with numerous chert fragments
7.5		3	22			1,500		CL/CH		
10		4	15			1,000		CL/CH		
12.5		5	18			1,500		CL/CH		
15										

WILKINSON ENGINEERING, INC.

BORING # 4

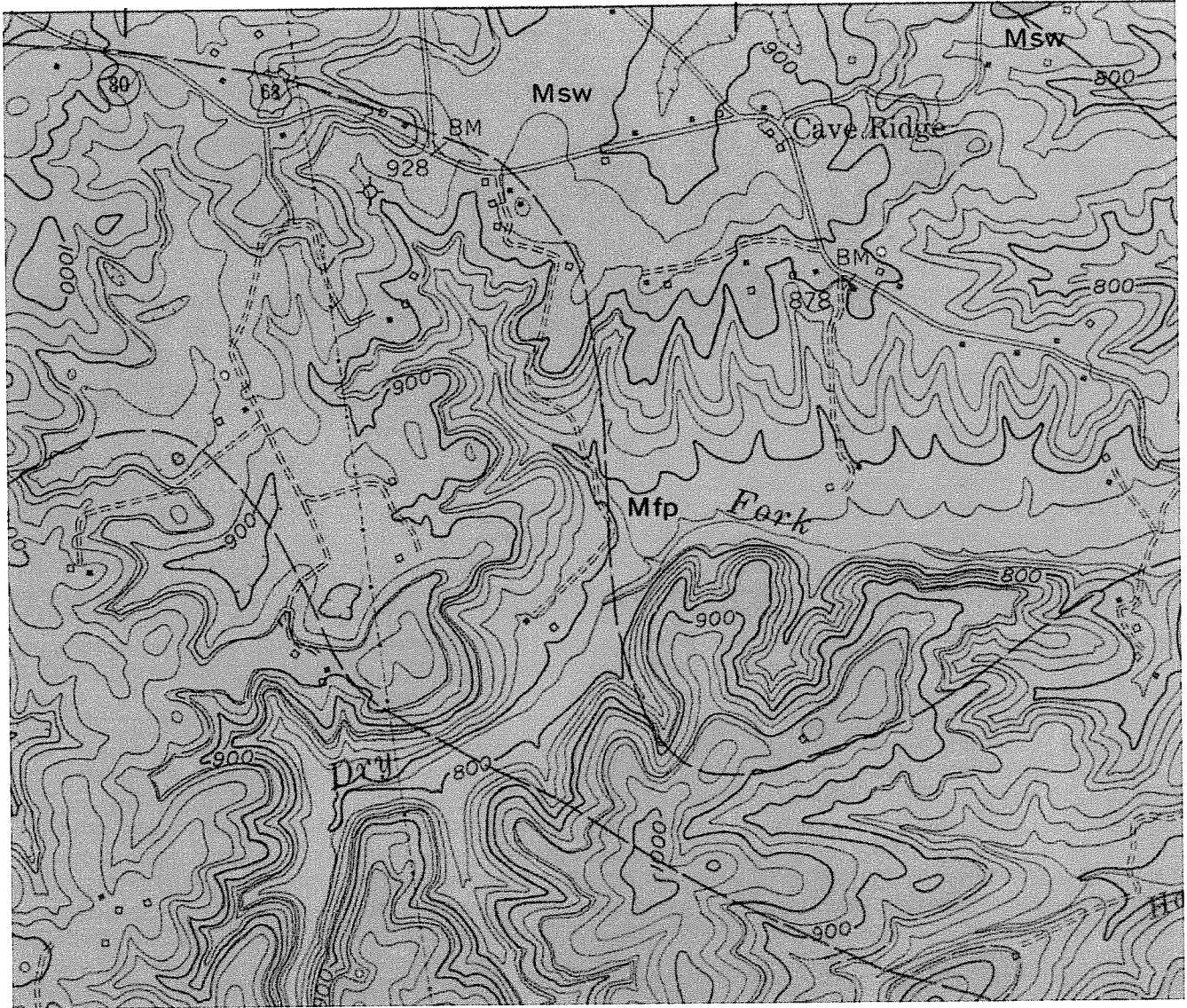
Eastpoint Business Park
 1860 Williamson Court, Suite B
 Louisville, Kentucky 40223
 Telephone: 502-773-0181
 Fax: 502-587-6572

Page 1 of 1
 Client: BTM Engineering
 Project #: 2006-3975
 Project Name: Wisdom Site
 Project Location: Edmonton, Kentucky

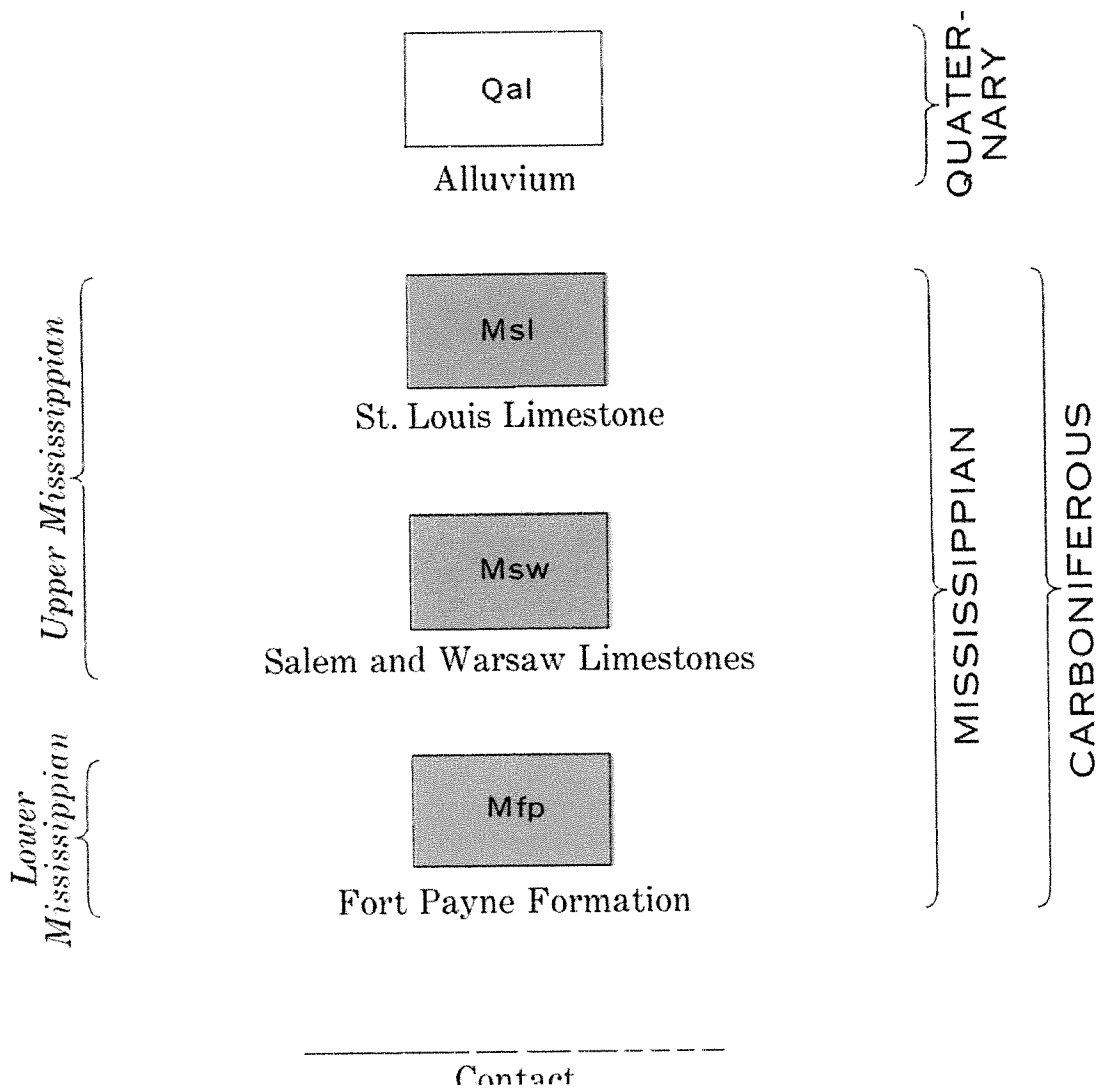
Date Started: February 24, 2006
 Date Completed: February 24, 2006
 Drilling Contractor: Wilkinson Engineering, Inc.
 Drilling Method: Flight Auger
 Logged by: Chip Wilkinson, PE

Ground Elevation: _____
 Ground Water Levels: _____
 At time of drilling: Dry
 At end of drilling: Dry

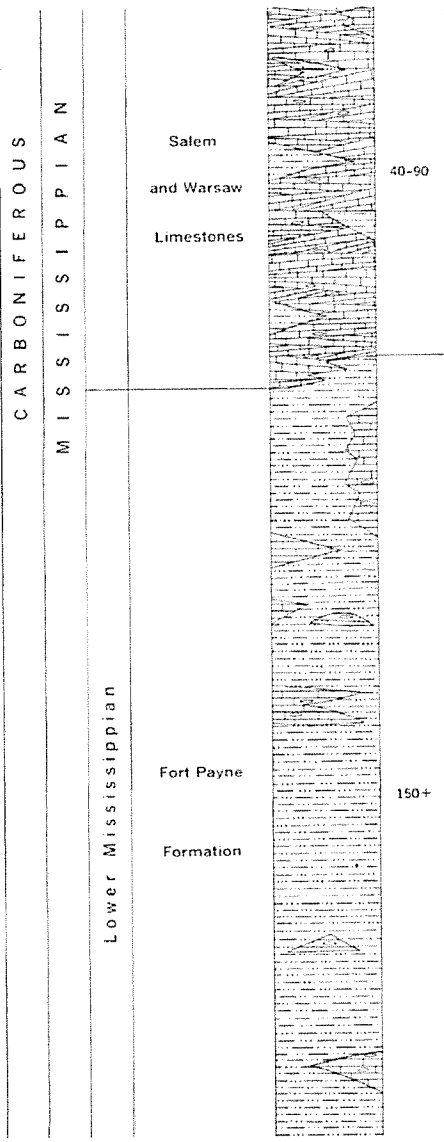
Depth (ft)	Sample Type	Sample Number	Estimated N-Value	RQD (%)	Recovery (inches)	Cohesive Strength (psf)	Water Content (%)	USCS	Graphic Log	Material Description
										Topsoil
2.5		1	22			2,750		CH		Very stiff brownish red fat clay, slightly moist
5		2	24			3,000		CH		
7.5		3	20			2,500		CH		
10		4	16			2,000		CH		Stiff to very stiff brownish red fat clay, moist
12.5		5	14			1,750		CH		
15										End Boring @ 15 feet



Geologic Map of the Summer Shade Quadrangle, Kentucky
Wisdom Site - Edmonton, Kentucky



Geologic Map Key
 Wisdom Site - Edmonton, Kentucky



Limestone, medium-gray to grayish-brown, coarse- to very coarse grained, detrital, crossbedded; some beds composed largely of fossil fragments; locally argillaceous, shaly, and cherty. Contains beds or tongues of siltstone similar to those in the Fort Payne; siltstone present locally throughout the area mostly in middle and lower parts. Upper part locally contains dark-gray silty shale and sandy to silty calcareous shale. Upper few feet locally contains argillaceous limestone beds that interfinger with fine-grained limestone similar to the lower part of the St. Louis Limestone. Limestone commonly weathers to a light-red soil.

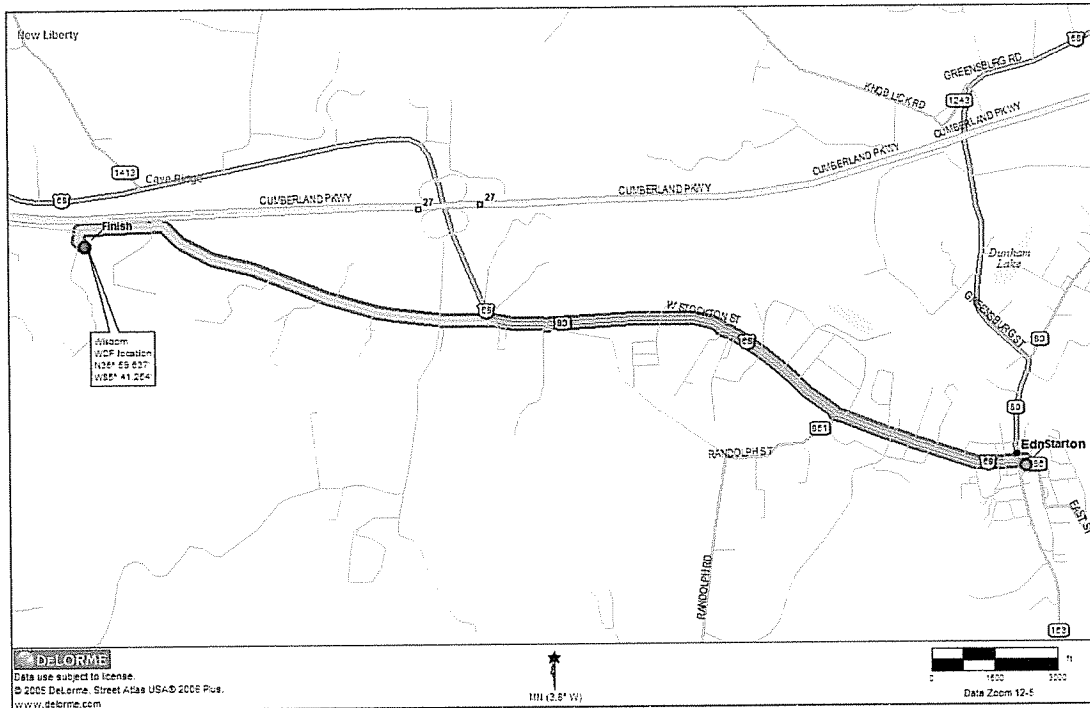
Interbedded siltstone, silty shale, and limestone. Siltstone, light-yellowish-gray, medium- to dark-bluish-gray, dark-grayish-brown, massive to thinly even-bedded, finely laminated, locally calcareous or dolomitic; contains sparse glauconite. Silty shale, medium-gray to light-brown, finely laminated. Siltstone and silty shale intergrade laterally and vertically. Limestone, light-gray to dark-brown, detrital; locally argillaceous; occurs in beds and lenses; contains abundant bedded and nodular chert with relict texture of the enclosing limestone. Silicified crinoid-stem fragments as much as 3/8 inch in diameter are conspicuous in most of the limestone. Geodes, mostly quartz but some mixed quartz and calcite, scattered throughout formation. Limestone lenses several tens of feet thick are present near the top in the extreme northeastern part of the quadrangle; thinner lenses and beds are present throughout the formation elsewhere. In the southwestern part of the quadrangle some limestone beds in the upper part represent tongues of the Salem and Warsaw as mapped farther west. The Fort Payne locally thickens at the expense of the Salem and Warsaw where limestone in the lower part of the Salem and Warsaw lenses out or grades laterally into siltstone which is included in the Fort Payne. Commonly weathers to reddish-yellow or grayish-yellow soil.

F
57'30"

(TEMPLE HILL)

Geologic Map Description
 Wisdom Site - Edmonton, Kentucky

WCF LOCATION MAP



DIRECTIONS TO WCF FROM COUNTY SEAT

From Metcalfe County Court House in Edmonton, proceed west on 68/80 approximately 2.5 miles. Turn left on Old Glasgow Road and proceed west approximately 2 miles. Turn left on Dry Fork Road and proceed approximately 300'. Site access drive will be on the left.

These directions were prepared by:

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

SITE LEASE AGREEMENT

County/City: Metcalfe / Edmonton

Site Name: Wisdom Site I. D.: _____ Latitude: N36° 59' 38.24" Longitude: W85° 41' 15.24"

Site Address: 1887 Old Glasgow Rd., Edmonton, Kentucky 42129

- 1. Premises and Use.** In consideration of the expenditures and efforts of Tenant to develop and use the premises described below, the undersigned (jointly and severally, the "Owner") hereby leases to Shared Sites, LLC, a West Virginia limited liability company ("Tenant"), or its permitted assignee, the site described below:
Approx. 10,000 sq. ft. in the open meadow just SW of owner's residence.
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 Tenant, (c) for placement of any supporting guy wires as reasonably determined by Tenant 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, guy wires, 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 Tenant and the Facility shall remain Tenant'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 Tenant signs this Agreement. This Agreement will be automatically renewed for ten (10) additional terms (each a "Renewal Term") of five years each with a [REDACTED] increase in rent at each renewal, unless Tenant 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 construction of the Facility is completed, rent will be paid quarterly, on the first day of each calendar quarter, at the rate of [REDACTED] 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 Tenant, 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 Tenant 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 Tenant's business. Owner shall obtain non-disturbance, subordination and attornment agreement from prior lien holders as required by Tenant'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. Tenant 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 Tenant to lease or license antenna, towers, shelters, and related space of the Facility to separate wireless communication carriers and other clients.
- 6. Improvements.** Tenant may make such future improvements on or to the Site and Facility as it deems necessary. Owner agrees to cooperate with Tenant with respect to obtaining any required building/zoning approvals for the Site and improvements. Upon termination or expiration of this Agreement, Tenant 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. Tenant shall reimburse Owner any property tax increases directly attributable to Tenant's improvements. Owner shall fully cooperate Tenant 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. Tenant will substantially comply with all applicable laws relating to its possession and use.
- 8. Utilities.** Tenant will pay for all utility connections to the Site. Owner will cooperate with Tenant in Tenant's efforts to obtain utilities from the most economical source.
- 9. Termination.** Tenant may terminate this Agreement at any time by notice to Owner without further liability, if Tenant 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 is withdrawn or terminated, or if Owner fails to have proper ownership of the Site or authority to enter into this Agreement, or if Tenant, 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 Tenant 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. Tenant will not introduce or use any such substance on the Site in violation of any applicable law. Owner shall indemnify Tenant 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 Tenant's personal property and not fixtures, and Tenant 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 Tenant or its authorized subTenants 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 lender of the Tenant 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, and shall upon notice by such lender recognize lender as Tenant or execute a new lease on substantially similar terms with such lender.

14. **Insurance.** Tenant, 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). A certificate of such insurance 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 Tenant, 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.

"Owner"

"Owner"

Shared Sites, LLC ("Tenant")

By: _____
 Name: Howard Cawthorn
 Title: Owner
 Date: 02/03/2006
 Address: 1887 Old Glasgow Road
Edmonton, KY 42129
 Tax ID: 404-24-4335
 Phone: 270-432-5447
 Contact: 270-432-5797 (Carolyn)

Opal Cawthorn
Owner
02/03/2006
1887 Old Glasgow Road
Edmonton, KY 42129
403-34-1673
270-432-5447

 Name: David B. Jantzi
Site Developer (Subject to Approval)
 Date: 02/03/2006

Kamal Doshi, Manager (Final Approval)
 Date: _____
1390 Chain Bridge Road #40
Mclean, VA 22101
 Phone: (703)-893-0806

EXHIBIT A
Site Agreement - Site Description – Permitted Exceptions

Site Name: Wisdom

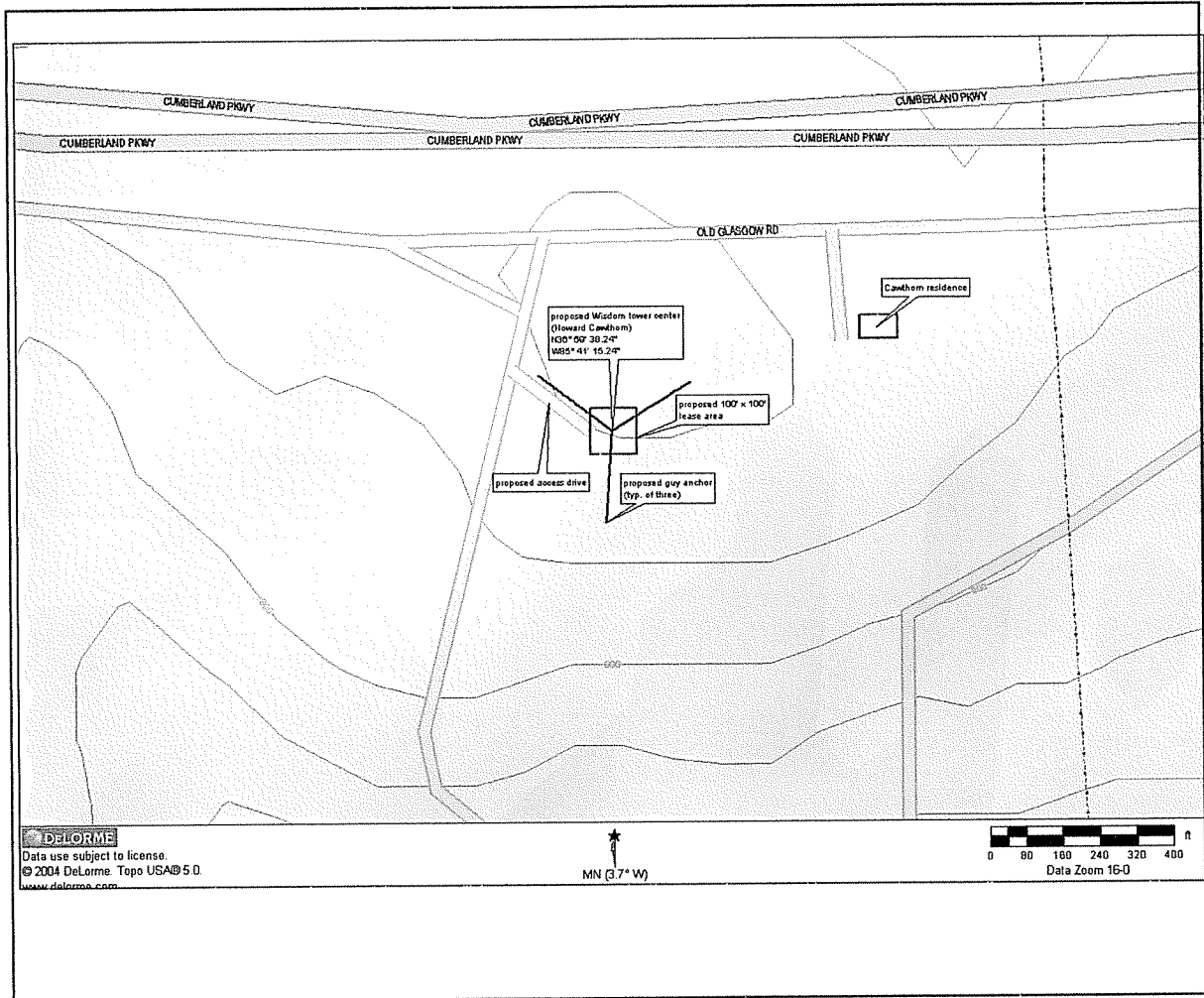
Site I.D.: _____

Site situated in the City/Town of Edmonton, County of Metcalfe, State of Kentucky commonly described as follows:

Legal Description: A portion of the premises located at address: 1887 Old Glasgow Rd., Edmonton, KY 42129

more particularly described in Deed to: Howard cawthorn and Opal cawthorn dated 1/23/2006 and recorded in Metcalfe County Registry of Deeds at Book 129, Page751. Tax Map 26, Plot 39.03

Sketch of Site:



Permitted Exceptions: None.

Owner Initials _____ Owner Initials _____ Tenant Initials _____

Note: Owner and Tenant may, at Tenant'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 more detailed survey or drawing depicting the Site.

Prepared by and after recording please return to:
Shared Sites, LLC, 1390 Chain Bridge Road #40, McLean, VA 22101

Tax Map No. 26, Plot No. 39.03

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

Memorandum of Site Lease Agreement

(Exhibit B of the Lease Agreement)

Site Name: Wisdom

Site I.D.: _____

This memorandum evidences that a lease was made and entered into by written Site Lease Agreement dated 02/03/2006, between Howard Cawthorn and Opal Cawthorn ("Owner") and Shared Sites, LLC, a West Virginia limited liability company ("Tenant"), the terms and conditions of which are incorporated herein by reference.

Such Agreement provides in part that Owner leases to Tenant a portion of a certain site ("Site") located at 1887 Old Glasgow Rd, City of Edmonton, County of Metcalf, 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 Tenant.

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

"Owner"

"Owner"

"Tenant"
Shared Sites, LLC

By: _____
Name: Howard Cawthorn
Title: Owner
Date: _____
Address: 1887 Old Glasgow Rd.
Edmonton, KY 42129

Opal Cawthorn
Owner

1887 Old Glasgow Rd.
Edmonton, KY 42129

1390 Chain Bridge Road #40
McLean, VA 22101

STATE OF _____
CITY/COUNTY OF _____,ss

(Tenant Notary Block)

The foregoing instrument was acknowledged before me this _____ day of _____, 2006, by _____ (Name), _____ (Title) of Shared Sites, LLC, a West Virginia limited liability company (Tenant) on behalf of the limited liability company.

(AFFIX NOTARIAL SEAL)

NOTARY PUBLIC

My commission expires: _____

STATE OF _____
CITY/COUNTY OF _____, ss

(Owner Notary Block for Individuals)

The foregoing instrument was acknowledged before me this _____ day of _____, 2006, by _____ and _____ (Name(s) as applicable), each an Owner.

(AFFIX NOTARIAL SEAL)

NOTARY PUBLIC

My commission expires: _____

STATE OF _____
CITY/COUNTY OF _____,ss

(Owner Notary Block for Companies)

The foregoing instrument was acknowledged before me this _____ day of _____, 2006, by _____ (Name), _____ (Title) of _____ (Owner – Name of Business, N/A if not applicable) a _____ (e.g. A West Virginia 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: _____

McKinney Land Surveying
103 S. Reed Street, Columbia, KY 42728

To Whom It May Concern:

The Wisdom site in Metcalfe County, Kentucky that Shared Sites, L.L.C. proposes to lease for the purpose of erecting a cellular telecommunications tower is classified as Zone D. This is the zoning for a non-participating community. For more information, please refer to Community Panel #210345 (unmapped) from the United States Department of Housing and Urban Authority, Federal Insurance Administration.

Michael E. McKinney 03/14/06
Michael E. McKinney
PLS #3318



CERTIFICATION OF NOTIFICATION

- 1) Ronald Poyntner
180 Lonnie Miller Road
Edmonton, KY 42129
- 2) Esther Grimes
PO Box 486
Edmonton, KY 42129
- 3) Howard & Opal Cawthorn
1887 Old Glasgow Rd.
Edmonton, KY 42129
- 4) Steve & Barbara Avery Dean
481 Dry Fork Rd.
Edmonton, KY 42129
- 5) Joe Thompson
150 Dry Fork Rd.
Edmonton, KY 42129
- 6) Timothy S. Thompson
301 Beauchamp St.
Edmonton, KY 42129
- 7) Jimmy Thompson Jr.
184 Dry Fork Rd.
Edmonton, KY 42129
- 8) Vicki Worthy
PO Box 801
Edmonton, KY 42129
- 9) Donnie Butler
Metcalfe County Judge Executive
PO Box 149
Edmonton, KY 42129
- 10) Howard Garrett
City of Edmonton Mayor
PO Box 374
Edmonton, KY 42129

Thursday, March 09, 2006

Ronald Poynter
180 Lonnie Miller Rd.
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Esther Grimes
PO Box 486
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Howard & Opal Cawthorn
1887 Old Glasgow Rd.
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Steve & Barbara Avery Dean
481 Dry Fork RD.
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Joe Thompson
150 Dry Fork Rd.
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Timothy Thompson
301 Beauchamp St.
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Jimmy Thompson Jr.
184 Dry Fork Road
Edmonton
KY, 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Thursday, March 09, 2006

Vicki Worthey
0 Dry Fork Rd.
Edmonton, KY 42129

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00108

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1881 Old Glasgow Rd., Edmonton, KY 42129. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission 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.: 2006-0108 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

Wednesday, March 08, 2006

Donnie Butler
Metcalf County Judge Executive
PO Box 149
Edmonton, KY 42129

RE: Public Notice – Public Service Commission of Kentucky
Docket # 2006-00108

Dear Sir:

Shared Sites, 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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter to be located at 1881 Old Glasgow Road, Edmonton, KY 42129. This notice is being sent to you because you are the Judge Executive for Metcalfe 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.: 2006-00108 in your correspondence.

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

Sincerely,
Shared Sites, LLC



David B. Jantzi
Consultant

Wednesday, March 08, 2006

Howard Garrett
City of Edmonton Mayor
PO Box 374
Edmonton, KY 42129

RE: Public Notice – Public Service Commission of Kentucky
Docket # 2006-00108

Dear Sir:

Shared Sites, 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 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter to be located at 1881 Old Glasgow Road, Edmonton, KY 42129. This notice is being sent to you because you are the Mayor of the City of Edmonton.

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.: 2006-00108 in your correspondence.

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

Sincerely,
Shared Sites, LLC



David B. Jantzi
Consultant

PUBLIC NOTICE

Shared Sites, LLC proposes to construct a telecommunications tower at 1881 Old Glasgow Rd; Edmonton, KY. If you have any questions, please contact David Jantzi (Shared Sites representative) at 315-376-3333 or the Public Service Commission of Kentucky at 502-564-3940 and reference docket# 2006-00108.

SHARED SITES, L.L.C. PROPOSES TO CONSTRUCT A TELECOMMUNICATIONS TOWER NEAR THIS SITE

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT:

David Jantzi (Shared Towers Representative)
1300 Chain Bridge Rd. #40 : McLean, VA 2210
315-376-3333

OR

Executive Director, Public Service Commission
211 Sower Boulevard Properties, L.L.C.
PO Box 615 : Frankfort, KY 40602

SHARED SITES, L.L.C. PROPOSES TO CONSTRUCT A TELECOMMUNICATIONS TOWER ON THIS SITE

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT:

David Jantzi (Shared Towers Representative)
1300 Chain Bridge Rd. #40 : McLean, VA 2210
315-376-3333

OR

Executive Director, Public Service Commission
211 Sower Boulevard Properties, L.L.C.
PO Box 615 : Frankfort, KY 40602







RADIO FREQUENCY DESIGN SEARCH AREA



EXISTING TOWERS IN METCALFE COUNTY

Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City//State	Overall Height Above Ground (AGL)
1	Constructed	A0455251	Global Tower, LLC	37-00-20.0N 085-34-34.0W	EDMONTON, KY	365
2	Constructed	A0337420	TEXAS EASTERN COMMUNICATIONS, INC.	36-49-56.2N 085-40-07.8W	TOMPKINSVILLE, KY	345
3	Constructed	A0050723	CUMBERLAND CELLULAR PARTNERSHIP DBA = BLUEGRASS CELLULAR	36-59-41.0N 085-33-38.0W	EDMONTON, KY	420
4	Constructed	A0052873	KENTUCKY, COMMONWEALTH OF DBA = KENTUCKY EMERGENCY WARNING SYSTEM KEWS	37-06-00.0N 085-32-10.0W	COLUMBIA, KY	258
5	Constructed	A0201569	HART COUNTY COMMUNICATIONS INC	37-01-32.0N 085-33-20.0W	EDMONTON, KY	290
6	Constructed	A0352411	Tennessee Valley Authority	36-52-56.0N 085-41-16.8W	Summer Shade, KY	210