

**CASE**

**NUMBER:**

99.334

INDEX FOR CASE: 1999-334

AS OF : 12/21/99

KENTUCKY CGSA, INC., DBA BELLSOUTH MOBILITY, WESTEL-MILWAUKEE, BSC

Construct

CELL SITE - EAST GARRETT OF NEW HIGHWAY 680 - GARRETT

IN THE MATTER OF THE APPLICATION OF CROWN COMMUNICAITON INC.  
AND WESTEL-MILWAUKEE COMPANY, INC. FOR ISSUANCE OF A  
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT  
A WIRELESS COMMUNICATIONS FACILITY AT EASTERN GARRETT OFF OF  
NEW HIGHWAY 680, GARRETT, KY 41630

IN THE WIRELESS COMMUNICATIONS LICENSE AREA

IN THE COMMONWEALTH OF KENTUCKY

IN THE COUNTY OF FLOYD

SITE NAME: GARRETT

SEQ NBR	ENTRY DATE	REMARKS
0001	09/29/1999	Application.
0002	10/08/1999	Acknowledgement letter.
0003	11/01/1999	No deficiencies letter
M0001	11/01/1999	CROWN COMMUNICAITONS DAVID PIKE-MOTION TO SUBMIT FOR EXPEDITED DECISION WITHOUT PUBLIC HEAR
0004	12/21/1999	Final Order granting a Certificate to construct an antenna tower.



COMMONWEALTH OF KENTUCKY  
**PUBLIC SERVICE COMMISSION**

730 SCHENKEL LANE  
POST OFFICE BOX 615  
FRANKFORT, KY. 40602  
(502) 564-3940

CERTIFICATE OF SERVICE

RE: Case No. 1999-334  
KENTUCKY CGSA, INC., DBA BELLSOUTH MOBILITY, WESTEL-MILWAUKEE, BSC

I, Stephanie Bell, Secretary of the Public Service Commission, hereby certify that the enclosed attested copy of the Commission's Order in the above case was served upon the following by U.S. Mail on December 21, 1999.

See attached parties of record.

*Stephanie D. Bell*  
Secretary of the Commission

SB/hv  
Enclosure

Lloyd McCarthy  
Crown Communication Inc.  
11001 Bluegrass Parkway, Suite 330  
Louisville, KY. 40299

Richard Guittar  
1650 Lyndon Farms Court  
Louisville, KY. 40223

Honorable Sam G. McNamra  
Attorney at Law  
McNamara & Jones  
315 High Street  
P. o. Box 916  
Frankfort, KY. 40602

Honorable David A. Pike  
Attorney at Law  
Pike Legal Group  
200 South Buckman Street  
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Steve Skinner  
Manager of External Affairs  
Kentucky CGSA, Inc., dba Bellsouth  
Mobility, Westel-Milwaukee, BSCC of IN  
1100 Peachtree Street  
Room 809  
Atlanta, GA. 30309

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC. )  
AND WESTEL-MILWAUKEE COMPANY, INC. D/B/A )  
BELLSOUTH MOBILITY INC. FOR ISSUANCE OF A )  
CERTIFICATE OF PUBLIC CONVENIENCE AND )  
NECESSITY TO CONSTRUCT A WIRELESS )  
COMMUNICATIONS FACILITY AT EASTERN )  
GARRETT OFF OF NEW HIGHWAY 680, ) CASE NO. 99-334  
GARRETT, KY 41630 IN THE WIRELESS )  
COMMUNICATIONS LICENSE AREA IN THE )  
COMMONWEALTH OF KENTUCKY IN THE )  
COUNTY OF FLOYD )  
SITE NAME: GARRETT )  
SITE NUMBER: KY271 )

O R D E R

On September 29, 1999, Crown Communication Inc. ("Crown") and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility, Inc. (collectively, the "Applicants") filed an application seeking a Certificate of Public Convenience and Necessity to construct and operate a wireless telecommunications facility. The proposed facility consists of a self-supporting antenna tower not to exceed 370 feet in height, with attached antennas, to be located in Eastern Garrett, off of New Highway 680, Garrett, Floyd County, Kentucky. The coordinates for the proposed facility are North Latitude 37° 29' 9.45" by West Longitude 82° 47' 50.35".

Crown has provided information regarding the structure of the tower, safety measures, and antenna design criteria for the proposed facility. Based upon the application, the design of the tower and foundation conforms to applicable nationally

recognized building standards, and the plans have been certified by a Registered Professional Engineer.

Pursuant to 807 KAR 5:063, the Applicants have notified the Floyd County Judge/Executive. To date, no comments have been filed by the Judge/Executive. The Applicants have filed applications with the Federal Aviation Administration and the Kentucky Airport Zoning Commission seeking approval for the construction and operation of the proposed facility. Both applications have been approved.<sup>1</sup>

The Applicants have filed evidence of the appropriate public notices provided pursuant to 807 KAR 5:063. The notices solicited any comments and informed the recipients of their right to request intervention. To date, no public comments opposing the proposed construction have been filed with the Commission.

Pursuant to KRS 278.280, the Commission is required to determine proper practices to be observed when it finds, upon complaint or on its own motion, that the facilities of any utility subject to its jurisdiction are unreasonable, unsafe, improper, or insufficient. To assist the Commission in its efforts to comply with this mandate, Crown should notify the Commission if it does not use this antenna tower to provide service in the manner set out in its application and this Order. Upon receipt of such notice, the Commission may, on its own motion, institute proceedings to consider the proper practices, including removal of the unused antenna tower, which should be observed by Crown.

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<sup>1</sup> The application states that the final decisions of the FAA and the KAZC will be forwarded as a supplement. However, Exhibits F and G to the application indicate that approvals from both agencies have been obtained.

The Commission, having considered the evidence of record and being otherwise sufficiently advised, finds that the Applicants have demonstrated that a facility is necessary to provide adequate utility service and therefore should be granted a Certificate of Public Convenience and Necessity to construct the proposed facility.

IT IS THEREFORE ORDERED that:

1. Crown is granted a Certificate of Public Convenience and Necessity to construct a self-supporting antenna tower not to exceed 370 feet in height, with attached antennas, to be located in Eastern Garrett, off of New Highway 680, Garrett, Floyd County, Kentucky. The coordinates for the proposed facility are North Latitude 37° 29' 9.45" by West Longitude 82° 47' 50.35".

2. Crown shall immediately notify the Commission in writing, if, after the antenna tower is built and utility service is commenced, the tower is not used for a period of 3 months in the manner authorized by this Order.

Done at Frankfort, Kentucky, this 21st day of December, 1999.

By the Commission

ATTEST:

  
Executive Director

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

RECEIVED

NOV - 1 1999

PUBLIC SERVICE  
COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC. )  
AND WESTEL-MILWAUKEE COMPANY, INC. )  
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC )  
CONVENIENCE AND NECESSITY TO CONSTRUCT ) CASE NO.: 99-334  
A WIRELESS COMMUNICATIONS FACILITY AT )  
EASTERN GARRETT OFF OF NEW HIGHWAY 680, )  
GARRETT, KY 41630 )  
IN THE WIRELESS COMMUNICATIONS LICENSE AREA )  
IN THE COMMONWEALTH OF KENTUCKY )  
IN THE COUNTY OF FLOYD )  
)  
)  
SITE NAME: GARRETT )  
SITE NUMBER: KY271 )

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**MOTION TO SUBMIT  
FOR EXPEDITED DECISION WITHOUT PUBLIC HEARING**

Come the Applicants, Crown Communication Inc. ("Crown"), and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility Inc. ("Provider"), Applicants herein, by counsel, and move the Kentucky Public Service Commission's ("Commission") to promptly grant a Certificate of Public Convenience and Necessity ("CPCN") in the within Application proceeding based on the following facts and circumstances:

1. The Applicants have met all filing requirements under the Kentucky Revised Statutes and the Kentucky Administrative Regulations applicable to this proceeding.
2. There are no Interveners in this proceeding after Notice has been afforded pursuant to the terms of the Kentucky Revised Statutes and the Kentucky Administrative Regulations.
3. The Wireless Communications Facility ("WCF") which is the subject of this



Application for a CPCN is a vital element of the Provider's wireless communications network, and is necessary to provide service in accordance with provisions of its license with the Federal Communications Commission.

4. The county where the WCF is located has not registered for the right to regulate cell sites with the PSC, and has not adopted planning and zoning regulations in accordance with KRS 100.

5. The Application in this administrative proceeding was originally filed with the Commission on September 29, 1999, 34 days before the submission of this Motion.

WHEREFORE, Crown Communication Inc. and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility Inc. ("Provider"), Applicants herein, by counsel, urge the Kentucky Public Service Commission to promptly grant a Certificate of Public Convenience and Necessity in accordance with the terms of the Application in this proceeding without public hearing.

Respectfully submitted,



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David A. Pike  
Pike Legal Group  
200 S. Buckman Street  
Post Office Box 369  
Shepherdsville, KY 40165-0369  
Telephone: (502) 955-4400  
Telefax: (502) 543-4410  
E-Mail: pikelegal@aol.com  
ATTORNEY FOR CROWN COMMUNICATION INC.

and

Sam G. McNamara  
McNamara & Jones  
315 High Street

P.O. Box 916  
Frankfort, KY 40602  
Telephone: (502) 875-8808  
ATTORNEY FOR WESTEL-MILWAUKEE COMPANY, INC.



COMMONWEALTH OF KENTUCKY  
**PUBLIC SERVICE COMMISSION**

730 SCHENKEL LANE  
POST OFFICE BOX 615  
FRANKFORT, KY. 40602  
(502) 564-3940

November 1, 1999

To: All parties of record

RE: Case No. 99-334  
KENTUCKY CGSA, INC., DBA BELLSOUTH MOBILITY, WESTEL-MILWAUKEE, BSC

The Commission staff has reviewed your application in the above case and finds that it meets the minimum filing requirements. Enclosed please find a stamped filed copy of the first page of your filing. This case has been docketed and will be processed as expeditiously as possible.

If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

A handwritten signature in cursive script that reads "Stephanie Bell".

Stephanie Bell  
Secretary of the Commission

SB/hv  
Enclosure

Lloyd McCarthy  
Crown Communication Inc.  
11001 Bluegrass Parkway, Suite 330  
Louisville, KY. 40299

Richard Guittar  
1650 Lyndon Farms Court  
Louisville, KY. 40223

Honorable Sam G. McNamra  
Attorney at Law  
McNamara & Jones  
315 High Street  
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Frankfort, KY. 40602

Honorable David A. Pike  
Attorney at Law  
Pike Legal Group  
200 South Buckman Street  
P. O. box 369  
Shepherdsville , KY. 40165 0369

Steve Skinner  
Manager of External Affairs  
Kentucky CGSA, Inc., dba Bellsouth  
Mobility, Westel-Milwaukee, BSCC of IN  
1100 Peachtree Street  
Room 809  
Atlanta, GA. 30309

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

SEP 29 1999

PUBLIC SERVICE  
COMMISSION

CASE NO.: 99-334

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC. )  
AND WESTEL-MILWAUKEE COMPANY, INC. )  
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC )  
CONVENIENCE AND NECESSITY TO CONSTRUCT )  
A WIRELESS COMMUNICATIONS FACILITY AT )  
EASTERN GARRETT OFF OF NEW HIGHWAY 680, )  
GARRETT, KY 41630 )  
IN THE WIRELESS COMMUNICATIONS LICENSE AREA )  
IN THE COMMONWEALTH OF KENTUCKY )  
IN THE COUNTY OF FLOYD )

FILED

SEP 29 1999

PUBLIC SERVICE  
COMMISSION

SITE NAME: GARRETT

SITE NUMBER: KY271

\*\*\*\*\*

Crown Communication Inc. ("Crown"), and Westel-Milwaukee Company Inc., d/b/a BellSouth Mobility Inc. ("Provider"), as a licensed public utility in the Commonwealth of Kentucky, hereinafter jointly referred to as "Applicants", by counsel, pursuant to (i) KRS 278.020 and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit their Application for a Certificate of Public Convenience and Necessity ("CPCN") from the Public Service Commission of Kentucky ("Commission") to construct, maintain, and operate a Wireless Communications Facility ("WCF") to serve the customers of the Provider with wireless telecommunication 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:



COMMONWEALTH OF KENTUCKY  
**PUBLIC SERVICE COMMISSION**

730 SCHENKEL LANE  
POST OFFICE BOX 615  
FRANKFORT, KY. 40602  
(502) 564-3940

October 11, 1999

To: All parties of record

RE: Case No. 99-334  
KENTUCKY CGSA, INC., DBA BELLSOUTH MOBILITY, WESTEL-MILWAUKEE, BSC  
(Construct) CELL SITE - EAST GARRETT OF NEW HIGHWAY 680 - GARRETT

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received September 29, 1999 and has been assigned Case No. 99-334. In all future correspondence or filings in connection with this case, please reference the above case number.

If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

*Stephanie Bell*

Stephanie Bell  
Secretary of the Commission

SB/jc

Lloyd McCarthy  
Crown Communication Inc.  
11001 Bluegrass Parkway, Suite 330  
Louisville, KY. 40299

Richard Guittar  
1650 Lyndon Farms Court  
Louisville, KY. 40223

Honorable Sam G. McNamra  
Attorney at Law  
McNamara & Jones  
315 High Street  
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Honorable David A. Pike  
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Kentucky CGSA, Inc., dba Bellsouth  
Mobility, Westel-Milwaukee, BSCC of IN  
1100 Peachtree Street  
Room 809  
Atlanta, GA. 30309

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

SEP 29 1999

PUBLIC SERVICE  
COMMISSION

CASE NO.: 99-334

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC. )  
AND WESTEL-MILWAUKEE COMPANY, INC. )  
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GARRETT, KY 41630 )  
IN THE WIRELESS COMMUNICATIONS LICENSE AREA )  
IN THE COMMONWEALTH OF KENTUCKY )  
IN THE COUNTY OF FLOYD )

FILED

SEP 29 1999

PUBLIC SERVICE  
COMMISSION

SITE NAME: GARRETT

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\*\*\*\*\*

Crown Communication Inc. ("Crown"), and Westel-Milwaukee Company Inc., d/b/a BellSouth Mobility Inc. ("Provider"), as a licensed public utility in the Commonwealth of Kentucky, hereinafter jointly referred to as "Applicants", by counsel, pursuant to (i) KRS 278.020 and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit their Application for a Certificate of Public Convenience and Necessity ("CPCN") from the Public Service Commission of Kentucky ("Commission") to construct, maintain, and operate a Wireless Communications Facility ("WCF") to serve the customers of the Provider with wireless telecommunication 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:

Crown Communication Inc., a Delaware Corporation, 375 Southpointe Boulevard, Canonsburg, PA 15317, (724) 416-2000, having a local address of Commonwealth Business Center, 11001 Bluegrass Parkway, Suite 330, Louisville, Kentucky 40299, (502) 240-0044.

Westel-Milwaukee Company, Inc., a Georgia Corporation, 1100 Peachtree Street, Suite 14E06, Atlanta, GA 30309, having a local address of 1650 Lyndon Farms Ct., Louisville, KY 40223.

2. Crown constructs, owns, manages, maintains, and operates independent communications networks. Crown owns and manages safe, clean, and well-maintained facilities. Crown facilities do not generate smoke, odors, noise, noxious gases, vibrations, or increase traffic. Studies show that Crown's 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 Authority issued by the Secretary of State of the Commonwealth of Kentucky for Crown and the Provider are attached hereto as **Exhibit A**.

3. After completion of the proposed WCF, Westel-Milwaukee Company, Inc. will be the ultimate owner of the WCF, with Crown acting as ultimate sublessor to further lease or license space on said tower and the surrounding site so that other Providers may locate and operate their facilities 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 services by the FCC and Commission. The proposed site is located in a manner such that other wireless communications service providers will desire to collocate on said tower, and Crown 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 or improve the Provider's services to an area currently not adequately served by the Provider with increased coverage or capacity 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 provide adequate coverage to the service area.

5. Crown's construction of the described WCF is desirable because it allows for the collocation of additional wireless service providers within this portion of the Kentucky wireless communications licensed area. These services may include telecommunications, wireless data transfer and Internet services, wireless cable, paging systems, 911 service, and other new products currently being developed in the wireless industry. 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 Crown's wireless infrastructure network, and Crown, 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 local Kentucky telecommunications market, which will, in turn, promote competitive pricing, quality, and coverage options to users of telecommunications services in this area. Crown's 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 Eastern Garrett, Off of New Highway 680, Garrett, Kentucky 41630 (37° 29' 09.45" North latitude, 82° 47' 50.35" 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 LaFayette and Erma Gayheart. The proposed WCF will consist of a 350-foot self-support tower, with an approximately 25-foot lightning arrestor attached at the top, for a total height of 375 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 B** and **Exhibit C**. Periodic inspections will be performed on the WCF in accordance with the applicable regulations or requirements of the Commission. The list of competing utilities, corporations, or persons is attached as **Exhibit D**.

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

8. The Applicants have considered the likely effects of the installation on nearby land uses and values and have concluded that 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 a 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 E**.

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 F**. Upon receiving authorization from the FAA, the Applicants will forward a copy of the determination as a supplement to this Application proceeding.

10. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application for

the proposed WCF is attached as **Exhibit G**. 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 FCC signage will be posted on the 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 H**. 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 H**.

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

14. The Applicants, pursuant to a written agreement, have acquired the right to use the WCF site and associated property rights. A copy of the abbreviated agreement recorded with the County Clerk is attached as **Exhibit J**. Also included as part of **Exhibit**

J is the portion of the full agreement demonstrating that in the case of abandonment a method is provided to dismantle and remove the cellular antenna tower, including a timetable for removal.

15. Personnel directly responsible for the design and construction of the proposed WCF are well-qualified and experienced. Central Tower Inc. ("the Tower Manufacturer") performed the tower and foundation design. The Tower Manufacturer is a nationally recognized manufacturer and designer of communications towers. The Tower Manufacturer has designed and installed communications towers throughout North America. The Tower Manufacturer has assigned Chi Lee, a professional engineer registered in the Commonwealth of Kentucky to design 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 required foundations of many other wireless facilities. All of the designs have been signed and sealed by Chi Lee. The construction of the proposed WCF will be performed by Crown Network Systems, an experienced, bonded, and insured erection company. The Tower Erection Manager, Harold Harrington, will manage the tower erection. Harold Harrington is a tower installation manager for Crown and has been erecting towers for the telecommunications industry for over 8 years. All tower designs will meet or exceed applicable laws and regulations.

16. Based on a review of Federal Emergency Management Agency Flood Insurance Rate Maps, the registered land surveyor has noted in **Exhibit B** 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., using the Uniform Building Code of 1991 ("UBC-91") and further modified by the 1993 Administrative Code. This tower has been designed in accordance with the Electronic Industries Association ("EIA") 222-F 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 Tashin Gurpinar and was designed from a survey performed by Frank Sellinger, a land surveyor registered in Kentucky. 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 B**. 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 B**.

19. Crown, 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, along with the possibility of a temporary site being built while awaiting Commission approval. Each property owner has been given the docket number under which the proposed Application will be processed and has been informed of their right to request intervention. A list of the nearby property owners who received the notices, together with copies of the certified letters, are attached as **Exhibit K** and **Exhibit L**, respectively.

20. Crown, on behalf of itself and the Provider, has notified the Judge Executive of the county where the WCF is located by certified mail, return receipt requested, of the proposed construction. Crown included in said notice the Public Service Commission ("PSC") docket number under which the application will be processed and informed said entity of its right to request intervention. A copy of this notice is attached as **Exhibit M**.

The county where the WCF is located has not registered for the right to regulate cell sites with the PSC, and has not adopted planning and zoning regulations in accordance with KRS Chapter 100.

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 N**. The location of the proposed facility has been published in a newspaper of general circulation in the county where the WCF is located.

22. There are no residences within a 500-foot radius of the centerline of the



proposed tower location. The land surrounding the WCF site is presently with the balance of the remaining land consisting of raw acreage.

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. Crown 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 Crown to permit the integration of the proposed WCF into Crown's 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 should, pursuant to radio frequency requirements, be located is attached as **Exhibit O**.

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 planning 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 P**.

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:

Lloyd McCarthy  
Crown Communication Inc.  
11001 Bluegrass Parkway, Suite 330  
Louisville, Kentucky 40299  
Telephone: (502) 240-0044

and

Richard Guittar  
1650 Lyndon Farms Court  
Louisville, Kentucky 40223  
(502) 329-4700

and

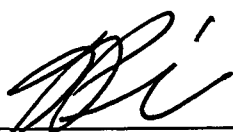
Sam G. McNamara  
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315 High Street  
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and

David A. Pike  
Pike Legal Group  
200 S. Buckman Street  
P. O. Box 369  
Shepherdsville, Kentucky 40165-0369  
Telephone: (502) 955-4400

**WHEREFORE**, the Applicants respectfully request that the Commission accept the foregoing Application for filing, and having met the requirements of KRS 278.020 and all applicable rules and regulations of the Commission, grant 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,



---

David A. Pike  
Pike Legal Group  
200 S. Buckman Street  
P. O. Box 369  
Shepherdsville, Kentucky 40165-0369  
(502) 955-4400  
COUNSEL FOR CROWN COMMUNICATION INC.

and



Sam G. McNamara  
McNamara & Jones  
315 High Street  
P.O. Box 916  
Frankfort, Kentucky 40602  
(502) 875-8808  
COUNSEL FOR WESTEL-MILWAULKEE COMPANY, INC.

## LIST OF EXHIBITS

- A - Copy of Articles of Incorporation & Certificate of Authority
- B - Site Development Plan:
  - Vicinity Map
  - Property Owner Listing
  - 500' Vicinity Map
  - Legal Descriptions
  - Flood Plain Certification
  - Site Plan
  - Vertical Tower Profile
- C - Tower and Foundation Design
- D - Competing utilities, corporations, or persons list
- E - Collocation report
- F - Application to FAA
- G - Application to Kentucky Airport Zoning Commission
- H - Geotechnical Report
- I - Directions to WCF Site
- J - Copy of Real Estate Agreement
- K - Notification Listing
- L - Copy of Property Owner Notification
- M - Copy of Judge Executive Notice
- N - Copy of Posting Notices
- O - Copy of Radio Frequency Design Search Area
- P - Tower Map for Subject County

**EXHIBIT A**  
**COPY OF ARTICLES OF INCORPORATION, CERTIFICATE**  
**OF AUTHORITY & FCC AUTHORIZATION**



United States of America  
Federal Communications Commission  
**RADIO STATION AUTHORIZATION**  
Cellular Radiotelephone Service

WESTEL-MILWAUKEE COMPANY, INC.  
1100 Peachtree Street, NE  
Suite 809  
ATLANTA, GA 30309-4599

Call Sign: KNKN861  
File Number: 03073-CL-ML-98

Market: 0451      Channel Block: A-1      SID: 1289  
Market Name:      KENTUCKY 9 - ELLIOTT

The Licensee hereof is authorized, for the period indicated, to operate a radio transmitting station in accordance with the terms and conditions hereinafter described. This authorization is subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts of Congress, international treaties and agreements to which the United States is a signatory, and all pertinent rules and regulations of the Federal Communications Commission, contained in Title 47 of the Code of Federal Regulations.

Initial Grant Date..... February 04, 1992  
Expiration Date..... October 01, 2001

**WAIVERS / CONDITIONS:**

Pursuant to Section 309(h) of the Communications Act 1934, as amended, (47 U.S.C. § 309(h)), this authorization is subject to the following conditions: (1) This authorization does not vest in the licensee any right to operate a station nor any right in the use of the electromagnetic spectrum designated herein beyond the term thereof nor in any other manner than authorized herein. (2) Neither this license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended (47 U.S.C. § 151, *et. seq.*) (3) This authorization is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended (47 U.S.C. § 606).

This authorization does not convey to the licensee the right to receive protection from the capture of subscriber traffic, co-channel interference or first-adjacent-channel interference in any area outside of the authorized cellular geographic service area (CGSA) of the system. Moreover, any facility authorized herein with a service area boundary (SAB) extending into the CGSA of any other operating cellular system on the same channel block, regardless of when such other cellular system was authorized, is subject to the following condition: In the event that the licensee of the other cellular system requests that the SAB of the facilities authorized herein be removed from its CGSA, the licensee herein must reduce transmitting power or antenna height (or both) as necessary to remove the SAB from the CGSA, unless written consent from the licensee of the other cellular system, allowing the SAB extension to remain, is obtained.

Issued by YG on Tuesday July 14, 1998  
FCC Form 463A

For Additional Information Please Contact:

KY Engineering  
1650 Lyndon Farms Court  
(502) 329-4700



OFFICE OF THE SECRETARY OF STATE

FOREIGN CORPORATION  
CERTIFICATE OF AUTHORIZATION

I, JOHN Y. BROWN III, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,  
CROWN COMMUNICATION INC.

is a corporation organized and existing under the laws of the state or country of  
DELAWARE; that was first authorized to transact business in the Commonwealth of Kentucky on AUGUST 12, 1997.

I further certify that all fees and penalties owed to the Secretary of State have been paid to date; that an Application for Certificate of Withdrawal has not been filed; and that the most recent annual report required by KRS Chapter 271B.16-220 or 273.3671 has been delivered to the Secretary of State on behalf of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, at Frankfort, Kentucky, this 4TH day of DECEMBER, 1997.

  
JOHN Y. BROWN III  
Secretary of State  
Commonwealth of Kentucky



JOHN Y. BROWN III  
SECRETARY OF STATE

**CERTIFICATE**

I, JOHN Y. BROWN III, Secretary of State for the Commonwealth of Kentucky, do certify that the foregoing writing has been carefully compared by me with the original record thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of **CERTIFICATE OF AUTHORITY OF**  
CROWN COMMUNICATION INC. FILED AUGUST 12, 1997.

IN WITNESS WHEREOF, I have hereunto  
set my hand and affixed my official seal.

Done at Frankfort this 4TH day of

DECEMBER, 19 97

John Y. Brown III  
Secretary of State, Commonwealth of Kentucky





**John Y. Brown III  
Secretary of State**

**Certificate of Authorization**

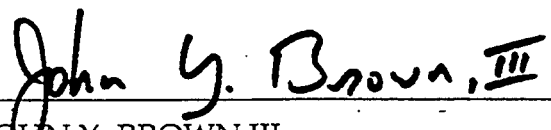
I, JOHN Y. BROWN III, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

**WESTEL-MILWAUKEE COMPANY, INC.**

, a corporation organized under the laws of the state of Wisconsin, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on March 10, 1997.

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

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 8<sup>th</sup> day of September, 1999.

  
\_\_\_\_\_  
JOHN Y. BROWN III

Secretary of State  
Commonwealth of Kentucky

tbates/0429768



**JOHN Y. BROWN III**  
SECRETARY OF STATE

---

---

**CERTIFICATE**

I, **JOHN Y. BROWN III**, Secretary of State for the Commonwealth of Kentucky, do certify that the foregoing writing has been carefully compared by me with the original record thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of **CERTIFICATE OF AUTHORITY OF WESTEL-MILWAUKEE COMPANY, INC. FILED MARCH 10, 1997.**

**EXHIBIT B**

**SITE DEVELOPMENT PLAN:**

**VICINITY MAP**

**PROPERTY OWNER LISTING**

**500' VICINITY MAP**

**LEGAL DESCRIPTIONS**

**FLOOD PLAIN CERTIFICATION**

**SITE PLAN**

**VERTICAL TOWER PROFILE**



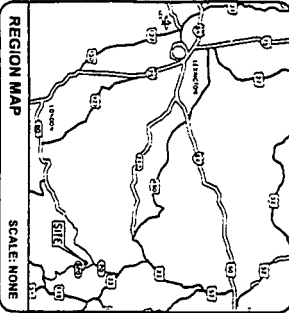
**CROWN**  
COMMUNICATION INC.

11001 BLUEGRASS PARKWAY  
SUITE # 330  
LOUISVILLE, KY 40299  
(502) 240-0044  
(502) 240-0045 FAX

**GARRETT**  
**KY271**

NEW HIGHWAY 680  
GARRETT, KY. 41630

350' SELF SUPPORTING  
TELECOMMUNICATION TOWER  
WITH MULTIPLE CARRIERS



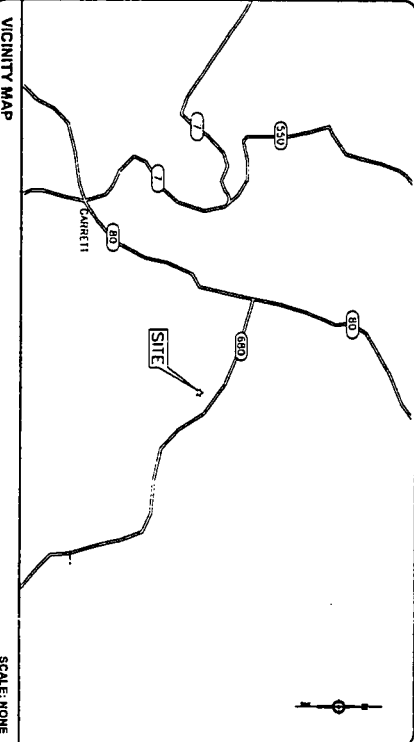
**CEM ENGINEERING**  
COMPANY  
10970 STANCLIFF  
HOUSTON, TX 77099  
PHONE: (281) 561-9275  
FAX: (281) 561-5399

**ARCHITECTURAL DESIGN**  
ENGINEERING



**Tan**  
Civil Engineering  
428 Woodcock Street  
Louisville, Kentucky 40217  
PHONE: (502) 635-5866  
FAX: 635-5263

**SURVEYING**



FROM THE LOUISVILLE AIRPORT: TAKE SR 1631 (CONTINUED ON NORTHWEST); GO NORTHEAST ON SR 1631 TO I-64 AND HEAD EAST. TAKE RIGHT CORNER MOUNTAIN PARKWAY EAST; GO SOUTH ON SR 1631 (MOUNTAIN PARKWAY) TO SR 680 (NEW HIGHWAY 680). TAKE A RIGHT (SOUTH) OFF OF HWY 680 ONTO KY 271 (GARRETT RD). TO THE SITE, TAKE A RIGHT ON THE EXISTING GARRETT ROAD TO THE TOP OF THE HILL. THERE IS A DRIVE FOR THIS ROAD.

**DIRECTION TO SITE:**

**SITE NAME**  
GARRETT

**SITE NUMBER**  
KY271

**SITE ADDRESS**  
EASTERN GARRETT (EST-01)  
NEW HIGHWAY 680  
GARRETT, KY. 41630

**SITE OWNER**  
LAVAYETTE & EMMA CANYCARI  
P.O. BOX 202  
EASTERN, KY 41622

**APPLICANT**  
CROWN COMMUNICATIONS, INC.  
11001 BLUEGRASS PARKWAY  
SUITE # 330  
LOUISVILLE, KY. 40299  
PHONE: (502) 240-0044  
(502) 240-0045 - Fax

**AREA OF PARCEL**  
10,000 SQ. FT.

**PARCEL NUMBER**

**SITE SUMMARY**

**SHEET NUMBER**  
1-1  
TITLE SHEET, SITE INFO

**SHEET NUMBER**  
C-1  
500' RADUS

**SHEET NUMBER**  
C-2  
SITE SURVEY PLAN

**SHEET NUMBER**  
C-2A  
SITE SURVEY PLAN

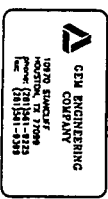
**ARCHITECTURAL**  
A-1  
SITE LAYOUT PLAN

**ARCHITECTURAL**  
A-2  
SOUTH & EAST  
ELEVATION

**ARCHITECTURAL**  
A-3  
NORTH & WEST  
ELEVATION

**SHEET INDEX**

R. F.	DESCRIPTION	DATE
LEASE AGENT		
ZONING AGENT		
LAND OWNER		
SIGNATURE BOX		



**SITE NUMBER:**  
KY271

**SITE NAME:**  
GARRETT

**SITE ADDRESS:**  
NEW HIGHWAY 680  
GARRETT, KY 41630

**AREA:**  
LAST AREA = 10,000 SQ. FT.

**PROPERTY OWNER:**  
LAVAYETTE & EMMA CANYCARI  
P.O. BOX 202  
EASTERN, KY 41622

**TAX MAP NUMBER:**  
MAP 18

**PARCEL NUMBER:**

**SOURCE OF TITLE:**

**DRAWN BY:**  
S.J.

**CHECKED BY:**  
M.W.M.

**NO. REVISION/ISSUE**

**DATE**

**1 2**

**ZONING REVIEW**

**7/20/99**

**TITLE SHEET**

**SITE INFO**

**SHEET**

**T-1**



CROWN COMMUNICATIONS INC  
 COMMUNICATIONS CENTER  
 11001 BUDGASS LANE  
 SUITE 330  
 LANSING, KY 40139  
 OFFICE: (502) 210-0044  
 FAX: (502) 210-0045

T. Alan Neal Company



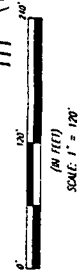
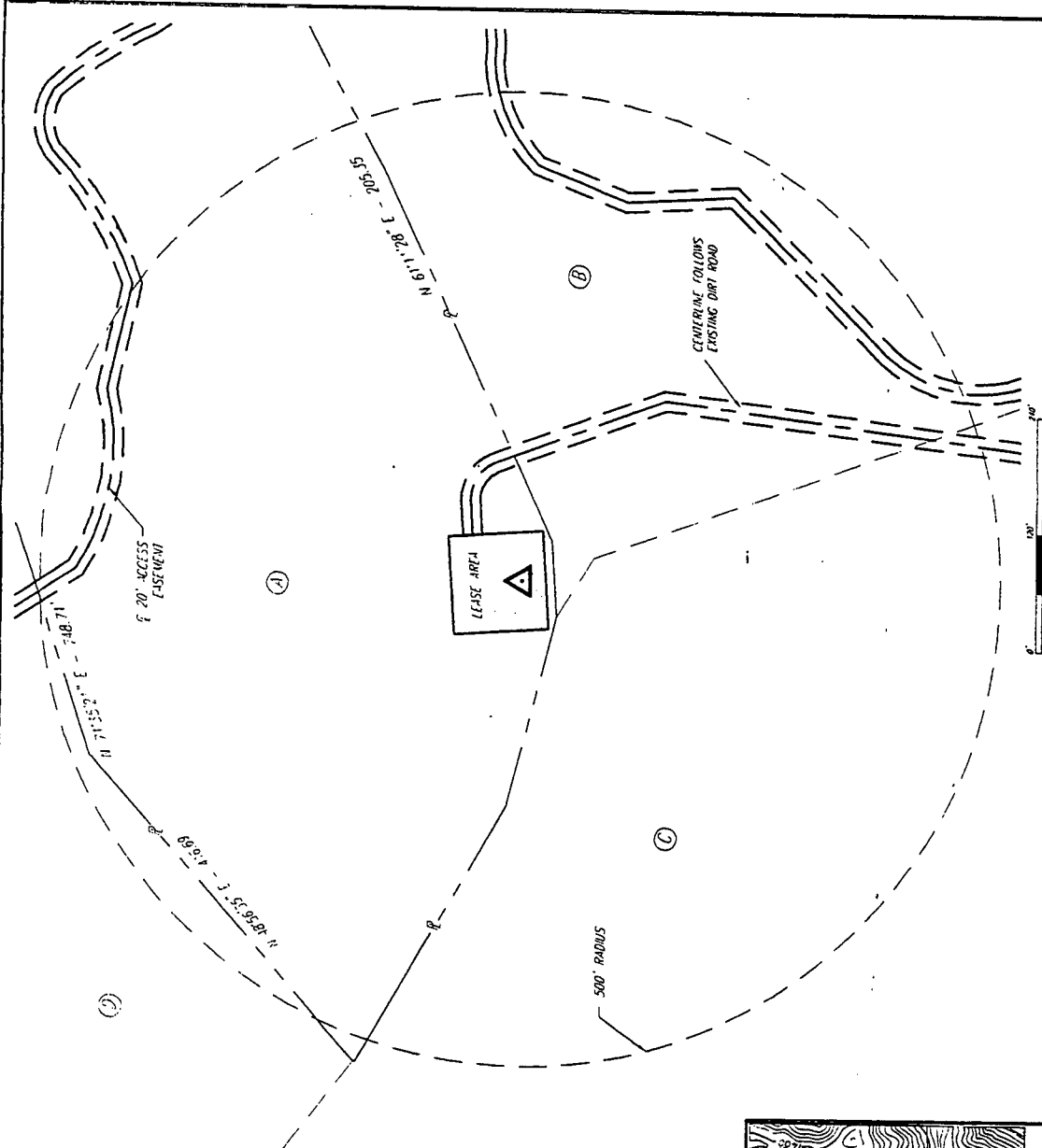
1000 ASD-3000  
 Land Surveyors  
 1000 Main Street  
 Louisville, Kentucky 40202

SITE NUMBER: KY 271
SITE NAME: GARRETT
SITE ADDRESS: NEW KY. HIGHWAY 680 GARRETT, KY. 41630
AREA: 10,000 SQ. FT.
PROPERTY OWNER: LATELY, GEORGE J. GATHEART P.O. BOX 202 EASTERN, KY. 41622
TAX MAP # 10 PARCEL # 39
DEED BOOK # NO DEED FOUND
SOURCE OF TITLE: NO SOURCE OF TITLE FOUND
DRAWN BY: LAP CHECKED BY: FSA
TAX JOB # 1-2652

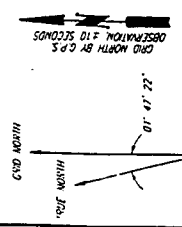
TITLE	500' RADIUS
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SHEET	C-1
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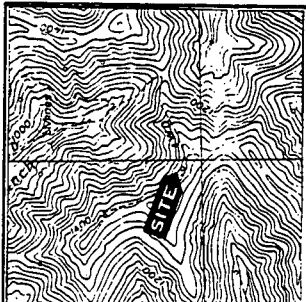
- MAP 40, LOT 19  
DUNFORD, LAMARTE & CO  
P.O. BOX 327  
EASTERN, KY 41622  
NO DEED FOUND  
ZONING N/A
- MAP 40, LOT 11  
DUNFORD, LAMARTE & CO  
415 SOUTH MAIN ST  
PRESTONBURG, KY 41629  
NO DEED FOUND  
ZONING N/A
- MAP 28, LOT 64  
DUNFORD, LAMARTE & CO  
P.O. BOX 327  
EASTERN, KY 41622  
NO DEED FOUND  
ZONING N/A
- MAP 40, LOT 37  
DUNFORD, LAMARTE & CO  
415 SOUTH MAIN ST  
PRESTONBURG, KY 41629  
NO DEED FOUND  
ZONING N/A



	PROPERTY AND 500' STRUCTURAL MAP
	NOTING PROPERTY OWNERS
	U.S.G.S. QUAD MAP
SHEET 2	
	U/M AREA
	LEGAL DESCRIPTIONS
	FLOOD ZONE DATA



MAP IS BASED ON THE KENTUCKY STATE PLATONIC MERIDIAN NORTH POINT AND WAS OBTAINED BY COMPUTATION FROM C.P.S. OBSERVATION ON SEPTEMBER 30, 1999



U.S.G.S. 1/25' WHITE QUAD MAP OF WINDLAND, KY.  
 QUAD MAP  
 SCALE: 1"=200'

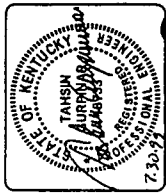








**GEM ENGINEERING COMPANY**  
1020 STANLEY  
HOUSTON, TX 77058  
Tel: (281) 241-1313  
Fax: (281) 241-1313

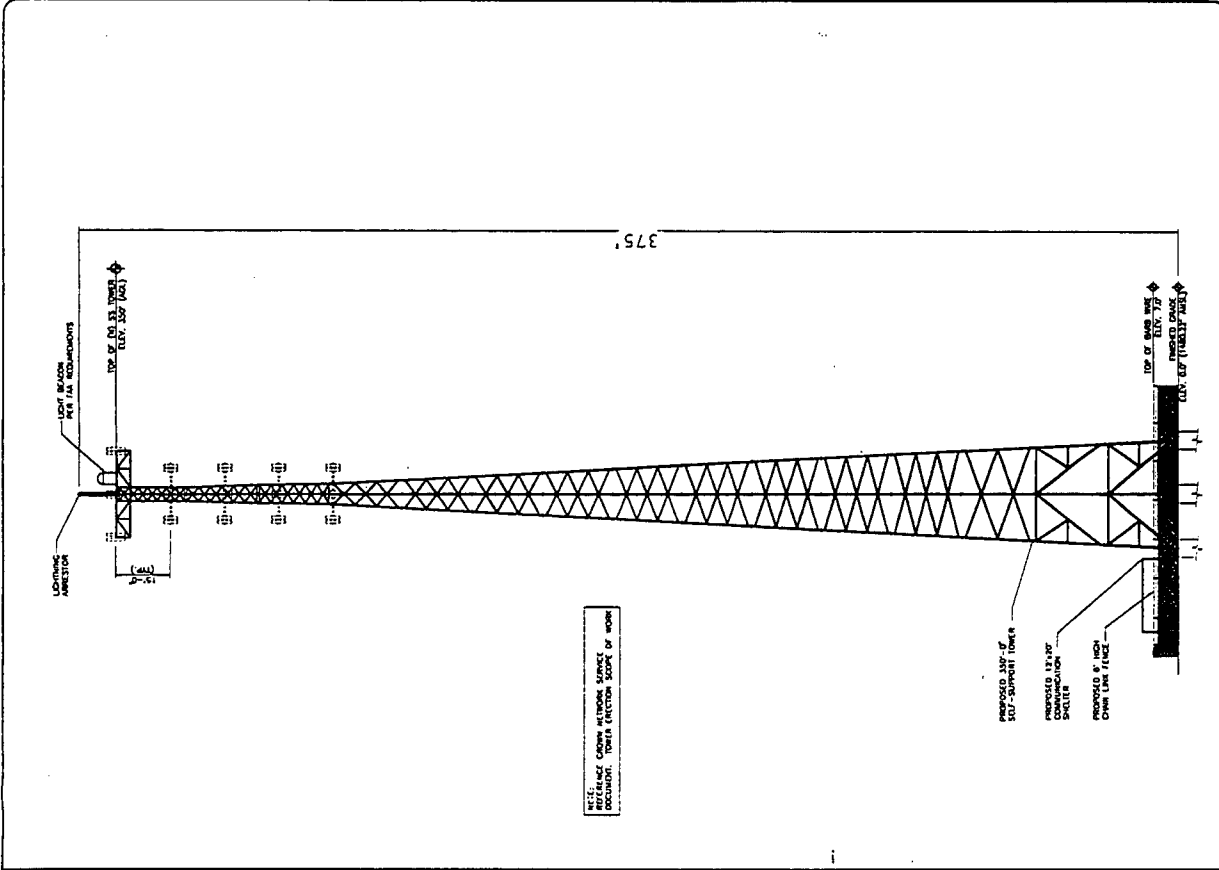


SITE NUMBER: 4271  
SITE NAME: CARRETT  
SITE ADDRESS: 688  
CARRETT, KY 41110  
AREA: LEASE AREA = 10,000 SQ. FT.  
PROPERTY OWNER: LUMATEL & F&M CABLECAT  
P.O. BOX 207  
EASTERN, KY 41122  
TAX MAP NUMBER: MAP 28  
PARCEL NUMBER:  
SOURCE OF TITLE:  
DRAWN BY: SJ  
CHECKED BY: WJMU

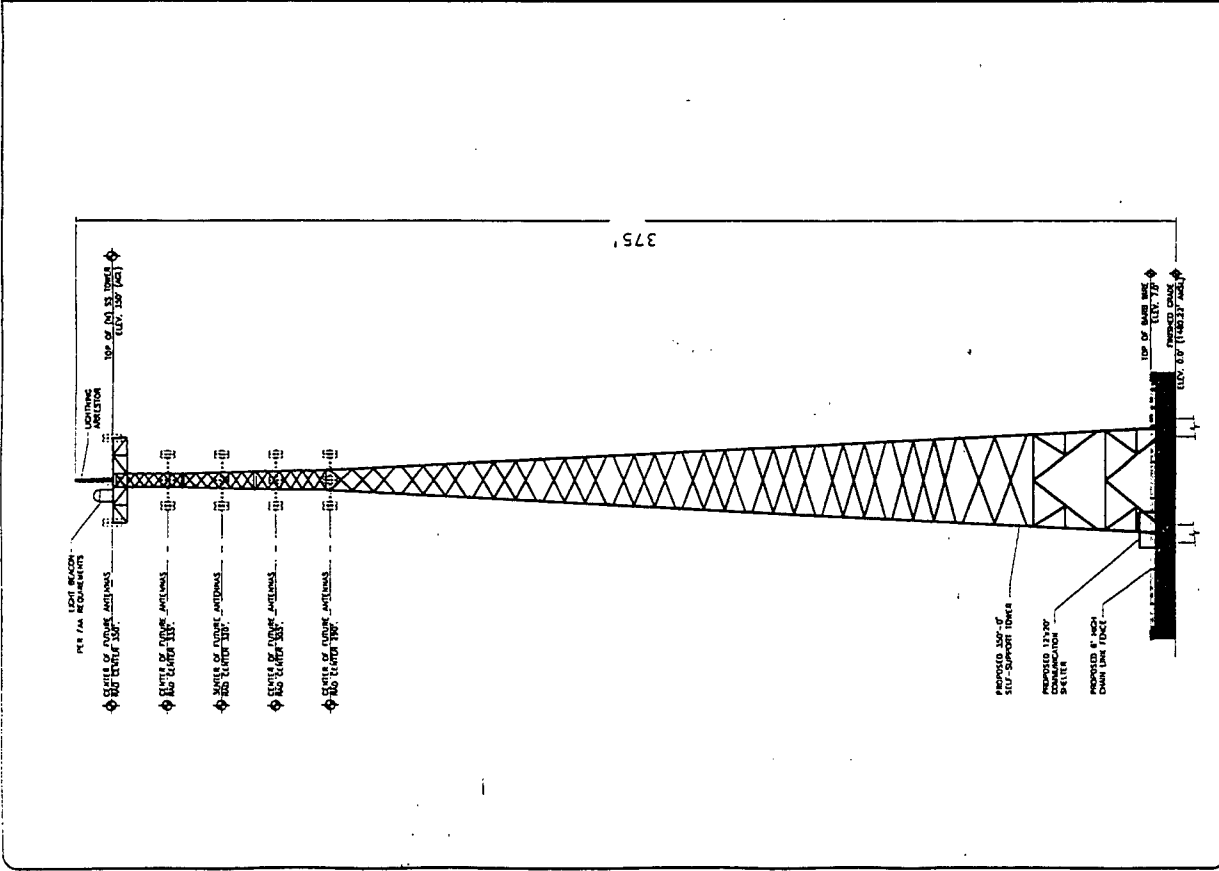
No.	REVISION/ISSUE	DATE
1	ZONING REVIEW	5/25/99
2	ZONING FINAL	7/30/99

TITLE  
**EAST & SOUTH ELEVATIONS**

SHEET  
**A-2**



SCALE: NONE 1 EAST ELEVATION



SCALE: NONE 2 SOUTH ELEVATION

File No. 87-0001-Crown-Communications-South-Support-Structure-Set 07/30/99 02:18:41:00 PM

**CEM ENGINEERING**  
CONSULTANTS  
10751 ROUTE 77  
MCDONOUGH, NJ 70899  
Phone: (908) 341-8123  
Fax: (908) 341-8299



SITE NUMBER:  
00271

SITE NAME:  
GARRETT

SITE ADDRESS:  
180 GARRETT RD  
GARRETT, NJ 07830

AREA:  
LEASE AREA = 10,000 SQ. FT.

PROPERTY OWNER:  
LAURENTE & TERESA GARRETT  
P.O. BOX 207  
EASTERN, NJ 07822

TAX MAP NUMBER:  
MAP 28

PARCEL NUMBER:

SOURCE OF TITLE:

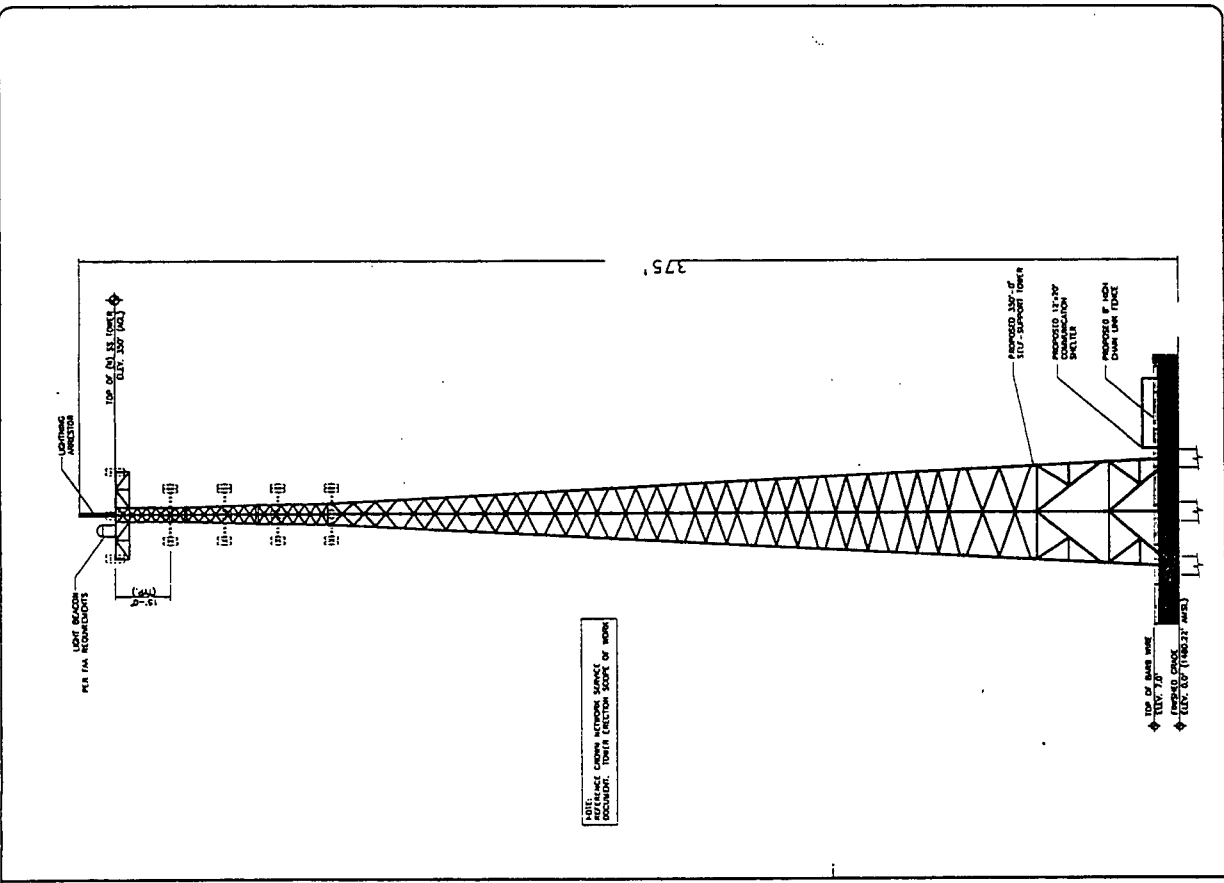
DRAWN BY:  
SJ

CHECKED BY:  
TA/RM

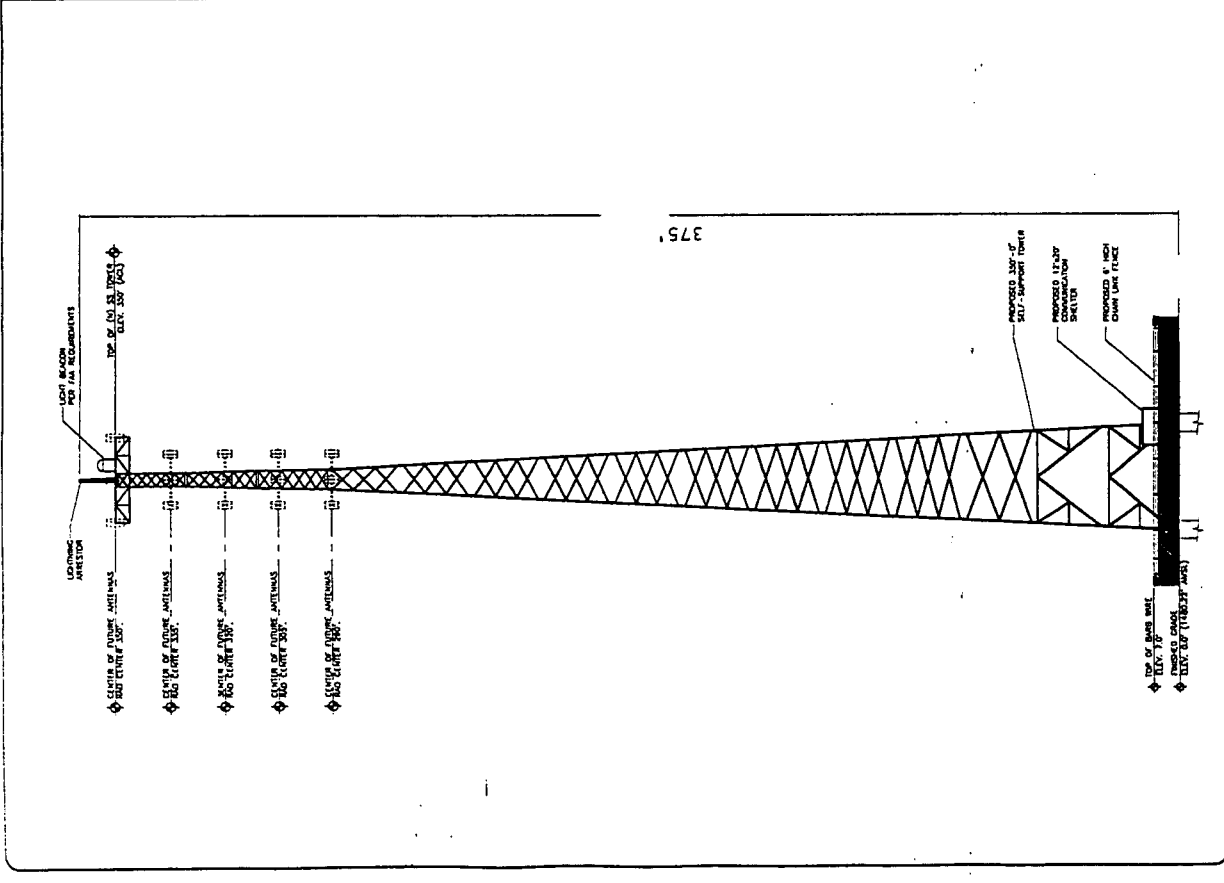
NO.	REVISION/ISSUE	DATE
1	ZONING REVIEW	6/15/99
2	ZONING FINAL	7/30/99

TITLE  
**WEST & NORTH ELEVATIONS**

SHEET  
**A-3**



SCALE: NONE  
**1 WEST ELEVATION**

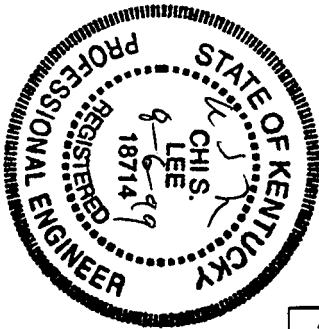


SCALE: NONE  
**2 NORTH ELEVATION**

**EXHIBIT C**  
**TOWER AND FOUNDATION DESIGN**

**RECEIVED**  
AUG 09 1999

BY: .....



SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS		CLIMBING WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	
A	0' - 20'	25' - 23.6'	5-1/4	L 4 x 4 x 5/16	N/A	NOTE: 3 9150
B	20' - 40'	23.6' - 22.2'	5-1/4	L 4 x 4 x 1/4	N/A	NOTE: 3 8075
C	40' - 60'	22.2' - 20.8'	5	L 3-1/2 x 3-1/2 x 3/8	N/A	NOTE: 3 8250
D	60' - 80'	20.8' - 19.4'	5	L 3-1/2 x 3-1/2 x 5/16	N/A	NOTE: 3 7525
E	80' - 100'	19.4' - 18'	4-3/4	L 3-1/2 x 3-1/2 x 1/4	N/A	NOTE: 3 6350
F	100' - 120'	18' - 16.6'	4-1/2	L 3 x 3 x 3/8	N/A	NOTE: 3 6200
G	120' - 140'	16.6' - 15.2'	4-1/2	L 3 x 3 x 1/4	N/A	NOTE: 3 5325
H	140' - 160'	15.2' - 13.8'	4-1/4	L 3 x 3 x 1/4	N/A	NOTE: 3 4850
I	160' - 180'	13.8' - 12.4'	4-1/4	L 2-1/2 x 2-1/2 x 5/16	N/A	NOTE: 3 4750
J	180' - 200'	12.4' - 11'	4	L 2-1/2 x 2-1/2 x 1/4	N/A	NOTE: 3 4025
K	200' - 220'	11' - 9.6'	3-3/4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3 3350
L	220' - 240'	9.6' - 8.2'	3-3/4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3 3275
M	240' - 260'	8.2' - 6.8'	3-1/2	L 2 x 2 x 1/4	N/A	NOTE: 3 2850
N	260' - 280'	6.8' - 5.4'	3-1/4	L 1-3/4 x 1-3/4 x 1/4	N/A	NOTE: 3 2550
O	280' - 300'	5.4' - 4'	3	L 1-3/4 x 1-3/4 x 1/4	N/A	NOTE: 3 2250
P	300' - 320'	4'	2-1/4	1 S.R.	1 S.R.	NOTE: 3 1550
Q	320' - 340'	4'	2	7/8 S.R.	7/8 S.R.	NOTE: 3 1200
R	340' - 348'	4'	2	7/8 S.R.	7/8 S.R.	NOTE: 3 1700

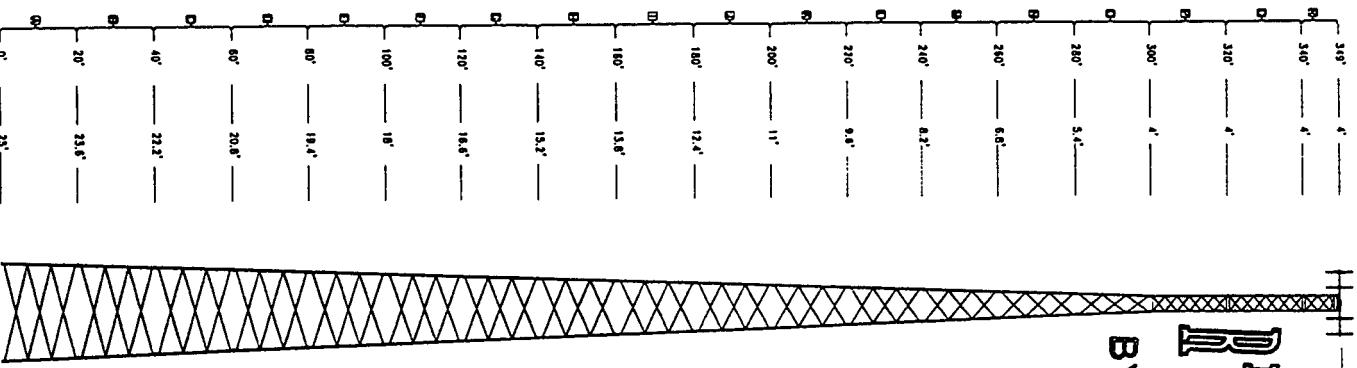
MEMBER CHART

ANTENNA INFORMATION

ANTENNA	ELEVATION	LINE
(12) ALP9212	● TOP	1-5/8
(12) ALP9212	● 335'	1-5/8
(12) ALP9212	● 320'	1-5/8
(12) ALP9212	● 305'	1-5/8
(2) 8' HP DISH	● 290'	EM3

DESIGN & DRAWING NOTES:

- SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- TOWER STRUCTURE IS DESIGNED IN ACCORDANCE WITH AISI/EIA-222-F STANDARDS FOR A BASIC WIND SPEED OF 70 MPH WITH 1/2" ICE.
- STEP BOLTS ARE PROVIDED.
- SV-MOUNTS ARE PROVIDED.
- ALL LEG MATERIAL IS ASTM A-529 MODIFIED (FY ± 50 ksi).
- ALL OTHER MATERIAL IS ASTM A36 (FY ± 36 ksi).
- SECTIONS A - O ARE 3-BAY X-BRACED (74" BAYS)
- SECTIONS P - R ARE 6-BAY X-BRACED (38-1/2" BAYS)
- (12) 1-1/4" # ASTM A449 ANCHOR BOLTS REQUIRED PER LEG.



MAX TOTAL FOUNDATION LOAD

71.10 kips

125.79 kips

13056.68 kips

MAX INDIVIDUAL LEG LOADS

43.20 kips

634.32 kips

551.15 kips

OTHER SHEET NO: 1

Complete Manufacturer Of Communication Towers

**REVISIONS**

BY: [Signature]

OTHER SHEET NO: 1

**PREPARED BY:** [Signature]

**CENTRAL TOWER, INC.**  
2855 HWY. 261 NEWBURGH INDIANA 47630 812-853-6595

**PROJECT:** Elevation View & Member Information

**SITE:** FLOYD CO., KY

**DESIGNED BY:** C.C.

**DRAWN BY:** A.J.H.

**DATE:** 8-4-99

**SCALE:** NO

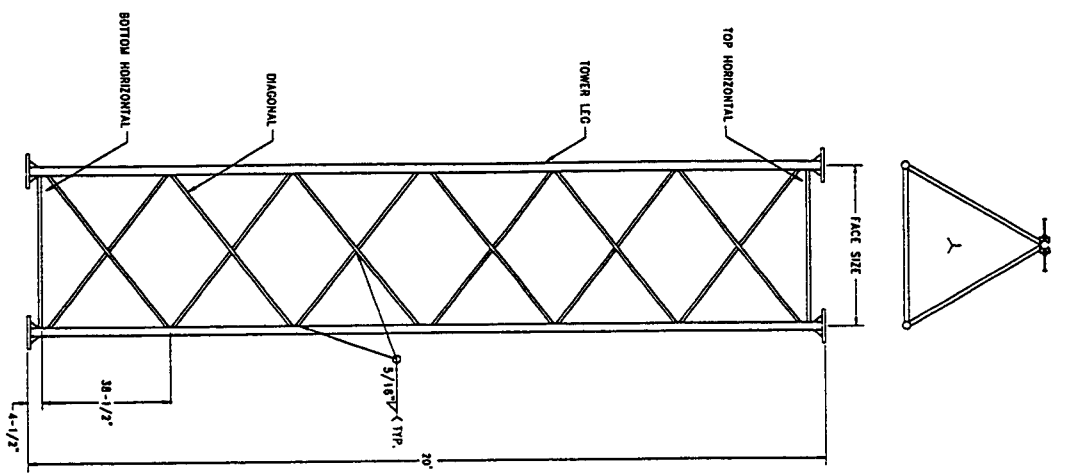
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**PROJ. NO:** SS-530

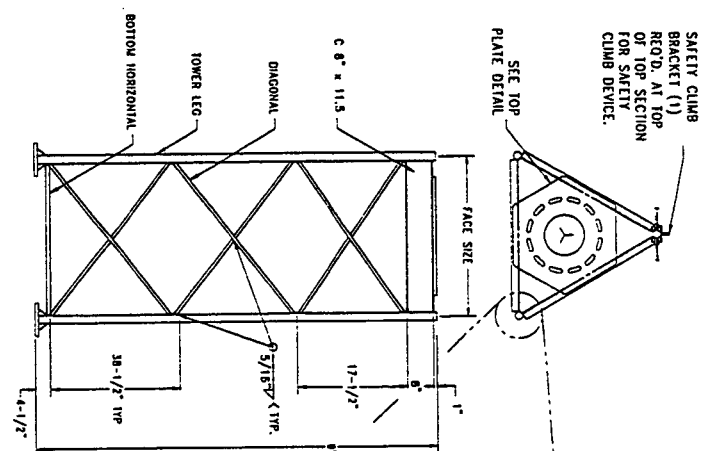
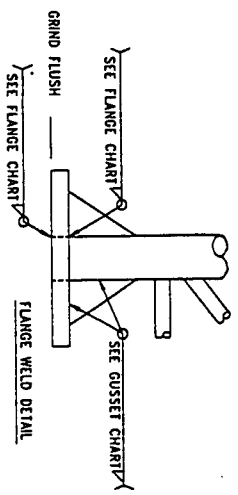
**DATE:** 8-4-99

**SCALE:** NO

**DRAWING NO:** SS-530-1

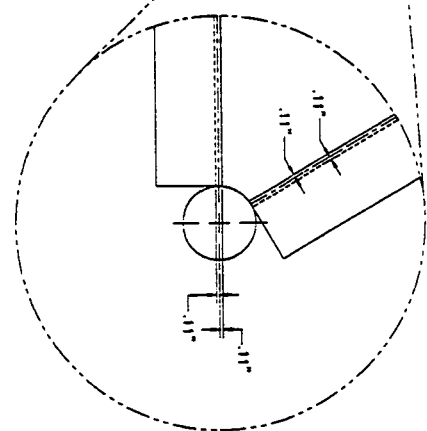


SECTIONS P - Q

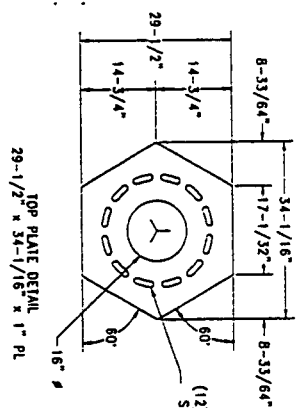
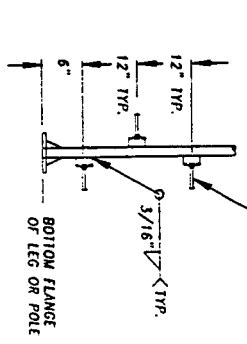


SECTION R

SAFETY CLIMB BRACKET (1) REQ'D. AT TOP OF TOP SECTION FOR SAFETY CLIMB DEVICE.



TOWER FACE SHOWN IN PLANVIEW  
TOWER CENTROID  
THIS DETAIL FOR TOWER LEG MOUNTING ONLY



(12) 1-3/8" x 4-1/8" RADIAL SLOTS EQUALLY SPACED ON A 21" Ø B.C.

OTHER SHEET NO. 1

REVISIONS	BY
1	

Complete Manufacturer Of Communication Towers

OTHER SHEET NO. 1

TITLE:	WELDED SECTION DETAILS
SITE:	FLOYD CO., KY. FOR: CROWN COMMUNICATIONS
DESIGNED BY:	R.E.H.
DATE:	8-4-99
SCALE:	NO
DRAWN BY:	A.J.H.
PROJ. NO.:	SS-530
DRAWING NO.:	SS-530-2

**CENTRAL TOWER, INC.**  
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595

SECTION NOTES:

- 1) SEE DRAWING SS-530-1 FOR LEG & INNER MEMBER SIZES.
- 2) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION

PAD

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	42'	172	7224'

PIER (verts) (Total for 3 Piers)

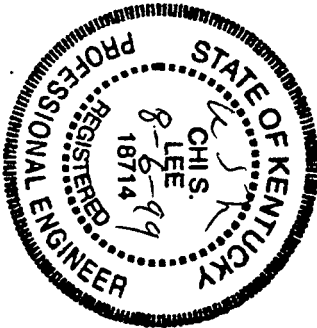
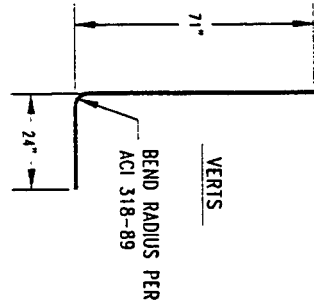
REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	7'-11"	54	427'-6"

PIER (ties) (Total for 3 Piers)

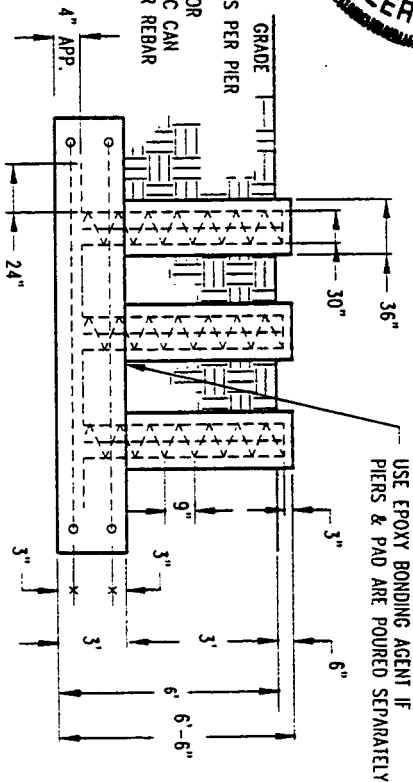
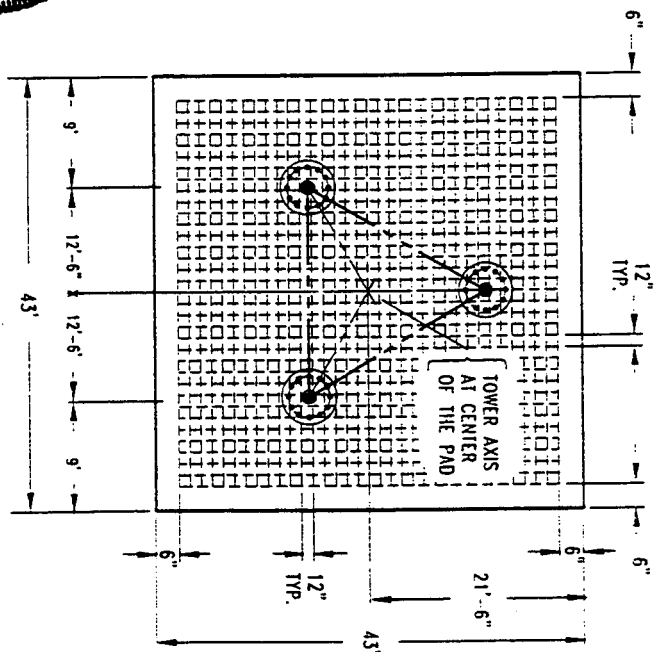
REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#4 GRADE 60	30" $\emptyset$	27	213'

NOTES:

- DESIGNED TO CONFORM WITH CURRENT ANSI/EIA-222-F STANDARDS UTILIZING UTILIZING SOIL REPORT PROVIDED BY HAGERTY ENGINEERING, INC., PROJECT # 86037.
- CONCRETE STRENGTH TO EQUAL 3000 psi AT 28 DAYS.
- NON-CHLORIDE, NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494 TYPE C AND ACI-318.
- WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494.
- ALL ADMIXTURES SHOULD BE DISPENSED INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. ALL ADMIXTURES MUST BE ADDED SEPARATELY.
- MINIMUM CONCRETE COVER OF 3" ON ALL STEEL.
- CROWN TOP OF PIERS FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1".
- SUBCONTRACTORS PHOTOGRAPH WITH SCALE REFERENCE CAISSON REBAR STRUCTURE PRIOR TO POURING CONCRETE, AFTER POURING CONCRETE BUT PRIOR TO BACKFILL, AND AFTER BACKFILL. PROVIDE A COPY OF PHOTOGRAPHS TO CENTRAL TOWER INC.
- SUBCONTRACTORS PROVIDE CENTRAL TOWER INC. WITH COPIES OF CONCRETE AND REBAR RECEIPTS SHOWING TYPE & QUANTITY PURCHASED.
- COMPACT BACKFILL IN 9" LIFTS. REMOVE ALL FORMS PRIOR TO BACKFILL
- SANDSTONE ENCOUNTERED AT 5' BELOW GRADE.  
APPROXIMATE CONCRETE REQ'D = 208-1/4 yd<sup>3</sup>

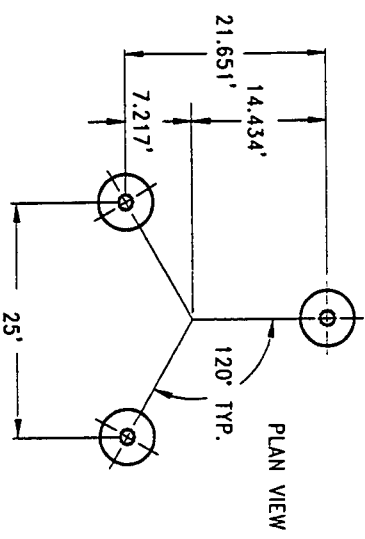
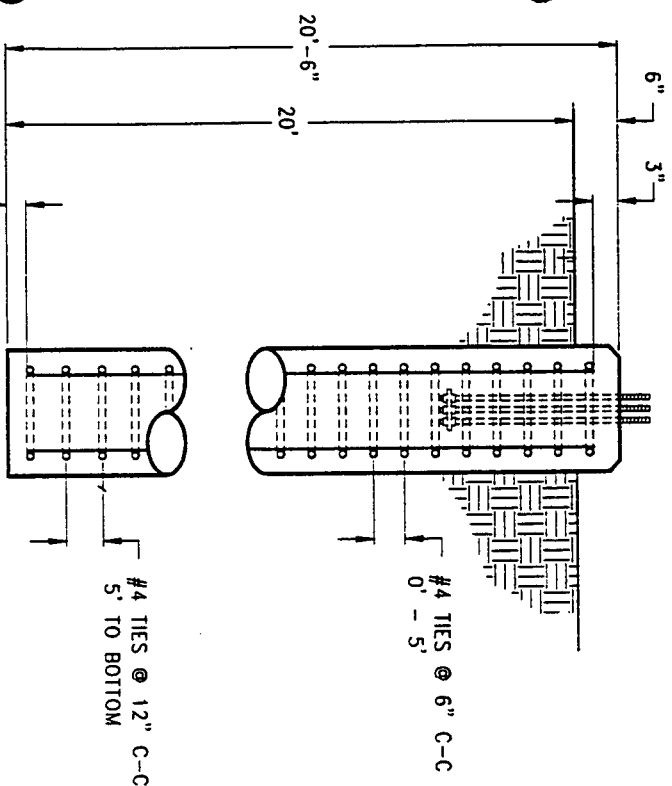
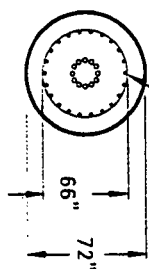


(18) pos #9 VERTIS PER PIER  
#3 SPIRAL WRAP OR  
#4 TIES @ 9" C-C CAN  
BE USED FOR PIER REBAR



SITE ID: KY 271  
 Complete Manufacturer Of Communication Towers  
 REVISIONS BY: GARRETT  
 OTHER SITE ID: CENTRAL TOWER, INC.  
 285 HWY. 261 NEWBERRILL INDIANA 47630 (812) 853-0595  
 TITLE: BASE FOUNDATION DESIGN (Option #1)  
 SITE: FLOYD CO., KY.  
 DESIGNED BY: C.C.  
 DATE: 8-5-99  
 FOR: CROWN COMMUNICATIONS  
 DRAWN BY: A.J.H.  
 SCALE: NO  
 DISK NO: SS#349  
 NAME: SS-530-3  
 PROJ. NO: SS-530  
 APP. BY: [Signature]  
 DRAWING NO: SS-530-3

VERTICAL REBAR EQUALLY SPACED  
SEE REBAR CHART FOR VERTICAL  
REBAR REQUIRED.



NOTES:

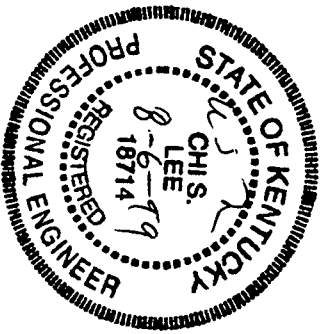
- 1) DESIGNED TO CONFORM WITH CURRENT ANSI/EIA-222-F STANDARDS UTILIZING SOIL REPORT PROVIDED BY HAGERITY ENGINEERING PROJECT # 8G057.
- 2) CONCRETE STRENGTH TO EQUAL 3000 psi AT 28 DAYS.
- 3) NON-CHLORIDE, NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494 TYPE C AND ACI-318.
- 4) WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494.
- 5) ALL ADMIXTURES SHOULD BE DISPENSED INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. ALL ADMIXTURES MUST BE ADDED SEPARATELY.
- 6) MINIMUM CONCRETE COVER OF 3" ON ALL STEEL.
- 7) CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1"
- 8) SUBCONTRACTORS PHOTOGRAPH WITH SCALE REFERENCE CAISSON REBAR STRUCTURE PRIOR TO POURING CONCRETE, AFTER POURING CONCRETE BUT PRIOR TO BACKFILL, AND AFTER BACKFILL. PROVIDE A COPY OF PHOTOGRAPHS TO CENTRAL TOWER INC.
- 9) SUBCONTRACTORS PROVIDE CENTRAL TOWER INC. WITH COPIES OF CONCRETE AND REBAR RECEIPTS SHOWING TYPE & QUANTITY PURCHASED.
- 10) SANDSTONE ENCOUNTERED 5' BELOW GRADE.

REBAR CHART (1)-CAISSON

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	PCS. OF REBAR	TOTAL FT.
VERTS	#11 GRADE 60	20'	N/A	18	360'
TIES	#4 GRADE 60	N/A	66" ø	25	432'

REBAR CHART (3)-CAISSONS

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	PCS. OF REBAR	TOTAL FT.
VERTS	#11 GRADE 60	20'	N/A	54	1080'
TIES	#4 GRADE 60	N/A	66" ø	75	1296'



SITE ID: KY 271		OTHER SITE ID: GARRETT	
Complete Manufacturer Of Communication Towers		CENTRAL TOWER INC. 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595	
REVISIONS		TITLE: CAISSON FOUNDATION DESIGN (Option #2)	
BY		FOR: CROWN COMMUNICATIONS (PROJ. NO. SS-530)	
DESIGNED BY: C.C.		DRAWN BY: A.J.H.	
DATE: 8-5-99		SCALE: NO	
DISK NO: SS#3349		NAME: SS-530-4	
		APP. BY: [Signature]	
		DRAWING NO: SS-530-4	

# TEMPLATE DESIGN

Job No. :

SS-930

Base Size (In Feet) :

25.000

Site Location :

FLOYD CO., KY

### Support Angle Information

Description (Angle)	Cut Length (ft.)	# Req'd
2.5 x 2.5 x 0.25	23	3

### Bearing Plate Information

Outer Dia.	# Holes	Bolt Drill	Bolt Circle	# Req'd
20	12	1.375	16	3

### Anchor Bolt Information

Material Type	Bolt Diameter	LOTH (in)	# Req'd	"A" (in.)	Embed Depth "B" (in.)
ASTM A449	1.25	69	36	7.5	61.5

### Securing Plate Information

# Holes	Bolt Drill	Bolt Circle	# Req'd
12	1.3125	16	3

### Template Assembly

Face Size	"A" (ft)	"B" (ft)	"C" (ft)
25	7.217	14.434	21.651

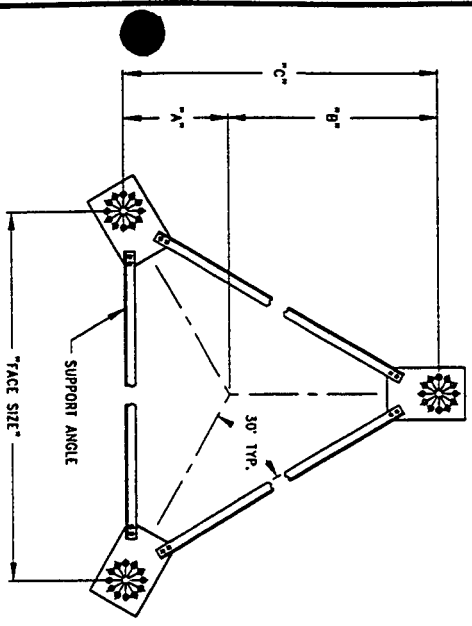
ANGLES SUPPLIED ARE FOR APPROXIMATE BOLT LOCATION ONLY.  
PLEASE CHECK THE DISTANCE FROM OUTER MOST BOLT HOLES (BOLTS FARTHEST FROM THE TOWER CENTER).

OUTER BOLT DISTANCE SHOULD BE

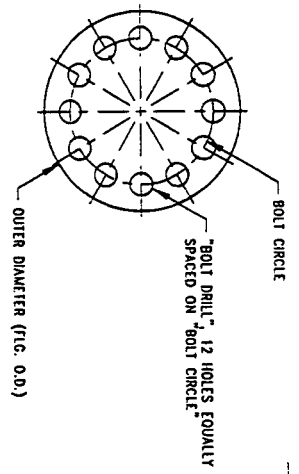
26 feet - 1.86 inches



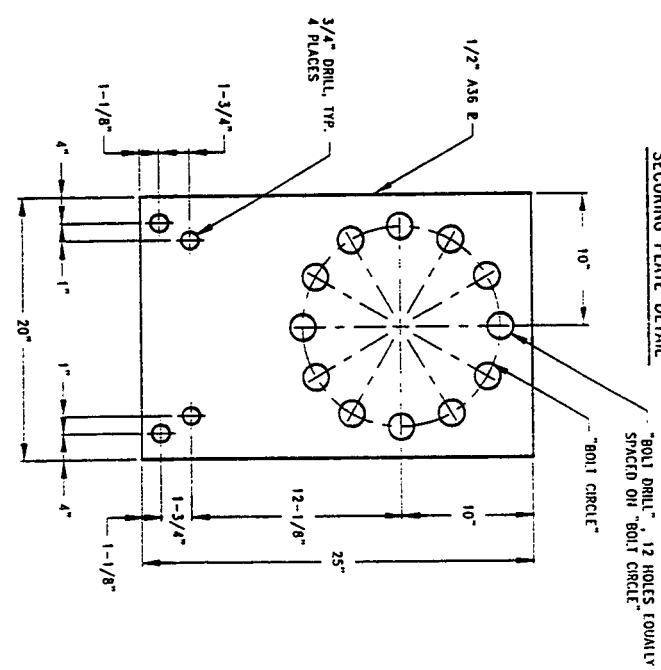
**TEMPLATE ASSEMBLY**



**BEARING PLATE DETAIL**



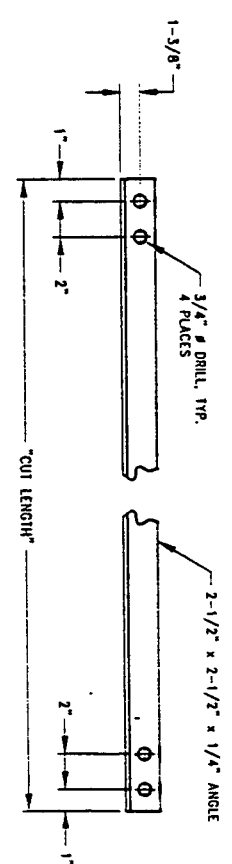
**SECURING PLATE DETAIL**



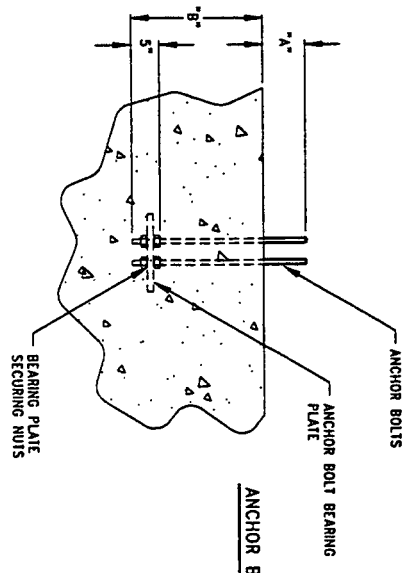
**ANCHOR BOLT INSTALLATION NOTES:**

- 1) POSITION AND ATTACH ANCHOR BOLT ASSEMBLIES IN TEMPLATE.
- 2) SECURE ANCHOR BOLTS AND REBAR IN FORMS BEFORE POURING CONCRETE.
- 3) SET TOWER USING LEVELING NUTS TO PLUMB.
- 4) AFTER LEVELING, GROUT UNDER FLANGES.

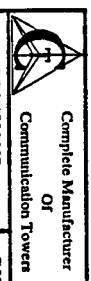
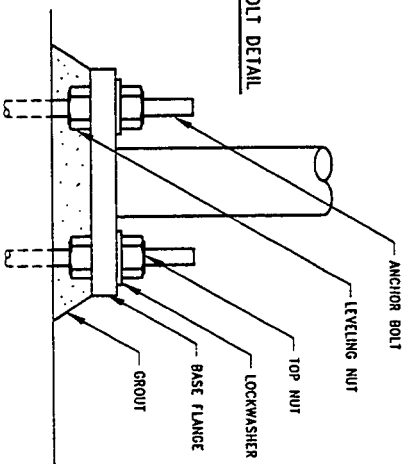
**SUPPORT ANGLE DETAIL**



**ANCHOR BOLT BEARING**



**ANCHOR BOLT DETAIL**



Complete Manufacturer  
OF  
Communication Towers

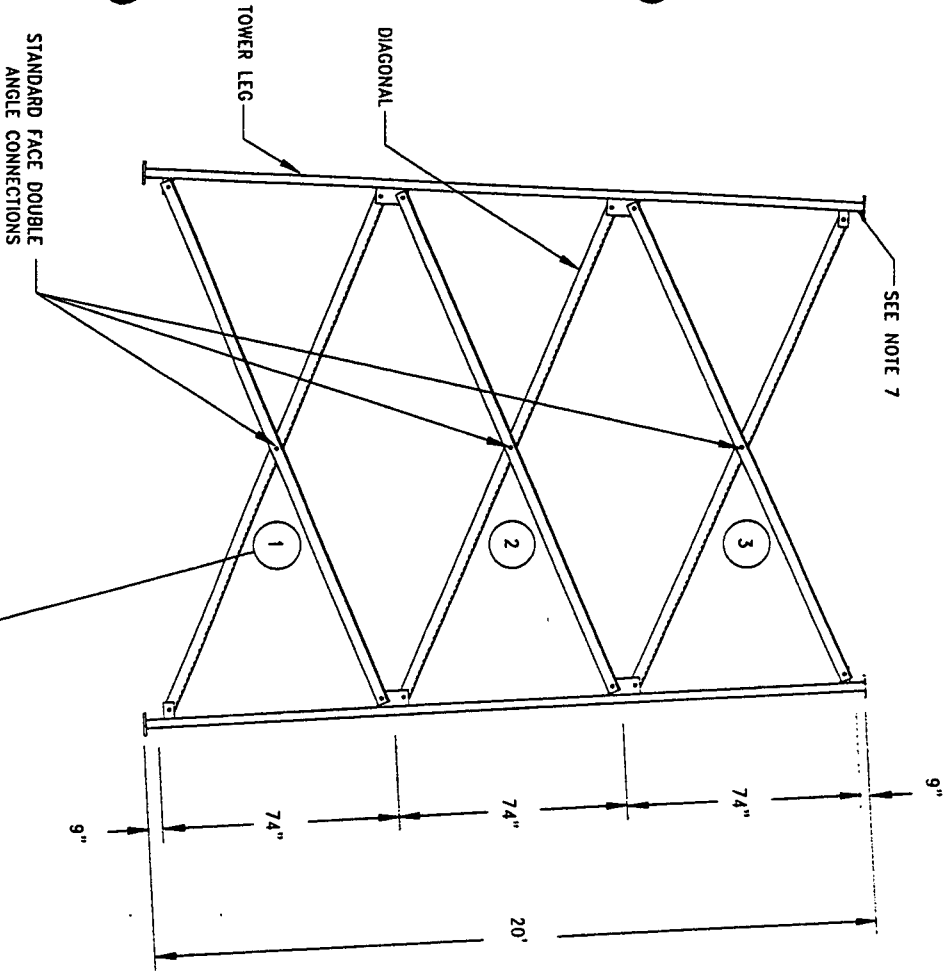
**CENTRAL TOWER, INC.**  
2855 HWY. 261 NEWBURGH, INDIANA 47630 (317) 853-0595

**12-HOLE TEMPLATE DESIGN**

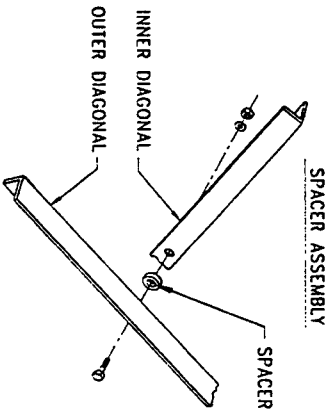
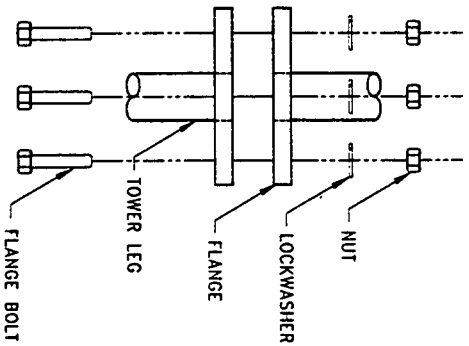
REVISIONS	BY	TITLE	FOR	AS REQUIRED	PROJ. NO.	AS REQ'D
DATE	DESIGNED BY	SCALE	DRAWN BY	NO	APP. BY	MARKING NO.
2-8-94	R.E.H.	NO	R.E.H.			
STANDARD #1	NAME	12TMPLT-1				
DISK NO.						

3-BAY SECTION ASSEMBLY

STANDARD FACE



FLANGE CONNECTION DETAIL



NOTES:

- 1) ALL LADDER FACES ON ALL SECTIONS MUST BE ALIGNED TOGETHER.
- 2) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- 3) SEE SHIPMENT LIST FOR BOLT SIZES & LOCATIONS.
- 4) ALL INNER MEMBER CONNECTIONS ARE SINGLE ANGLE CONNECTIONS UNLESS NOTED OTHERWISE.
- 5) INSIDE DIAGONAL INSTALL INSTRUCTIONS. INSIDE DIAGONALS TO BE INSTALLED FIRST. (INSIDE TOWER FACE) BOLTS ARE TO BE INSTALLED FROM THE INSIDE OF THE TOWER SO THAT THE THREADS ARE PROTRUDING TOWARDS THE OUTSIDE OF THE TOWER FACE.
- 6) OUTSIDE DIAGONAL INSTALL INSTRUCTIONS. OUTSIDE DIAGONALS TO BE INSTALLED LAST. (OUTSIDE TOWER FACE) BOLTS ARE TO BE INSTALLED FROM THE OUTSIDE OF THE TOWER SO THAT THE THREADS ARE PROTRUDING TOWARDS THE INSIDE OF THE TOWER FACE.
- 7) SECTION LABELING SYSTEM IS TO BE USED FOR PROPER IDENTIFICATION OF ALL SECTIONS AND TO ENSURE PROPER INSTALLATION. LEG MEMBERS WILL BE STAMPED WITH APPROPRIATE SECTION LETTER AT TOP OF LEG.

NUMBERING SYSTEM IS PROVIDED FOR  
INNER MEMBERS TO ENSURE PROPER  
INSTALLATION : (JOB NO. - C - 1)

SECTION C  
LOCATION 1

		Complete Manufacturer Or Communication Towers	
<b>CENTRAL TOWER INC.</b> 2651 HWY. 261, NEWBORN, INDIANA 47030 812-853-0995			
TITLE	BY	DATE	SCALE
3-BAY-X INSTALLATION DRAWING	AS REQUIRED	5-27-97	NO
DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
W.Z.	R.E.H.		
DATE	SCALE	NO.	DATE
5-27-97	NO		
DATE	SCALE	NO.	DATE
5-27-97	NO		
DATE	SCALE	NO.	DATE
5-27-97	NO		
DATE	SCALE	NO.	DATE
5-27-97	NO		

## LEGS

Job No. : SS-530

Site Location : Floyd CO., KY.

Leg Dimension Information

Section	Leg Type	Leg Size	Leg t	"A" (in.)	"B" (in.)	Bottom Flange			Top Flange			# Req'd	Grounding Tab Req'd
						O. D. (in.)	Angle (Deg)	Tilt (in.)	O. D. (in.)	Angle	Tilt (in.)		
A	SR	5.25	N/A	240	9	20	2.32	0.8125	16	N/A	0.0000	3	Y
B	SR	5.25	N/A	240	9	16	N/A	0.0000	16	N/A	0.0000	3	N
C	SR	5	N/A	240	9	16	N/A	0.0000	16	N/A	0.0000	3	N
D	SR	5	N/A	240	9	16	N/A	0.0000	16	N/A	0.0000	3	N
E	SR	4.75	N/A	240	9	16	N/A	0.0000	12	N/A	0.0000	3	N
F	SR	4.5	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
G	SR	4.5	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
H	SR	4.25	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
I	SR	4.25	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
J	SR	4	N/A	240	9	12	N/A	0.0000	10	N/A	0.0000	3	N
K	SR	3.75	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
L	SR	3.75	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
M	SR	3.5	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
N	SR	3.25	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
O	SR	3	N/A	240	9	10	N/A	0.0000	10	2.32	0.4063	3	N

Note 1: For Grounding Tab, - Enter Yes Or No ( Y, N ).

## LEG PLATES

Job No. : SS-530

Site Location : Floyd CO., KY.

Leg Plate Dimension Information

Section	"A"	"B"	"C"	# Req'd	Drill Size	Minimum Weld
A	2.4375	2.5625	0.50	24	0.9375	0.3125
B	2.4375	2.5625	0.50	24	0.9375	0.3125
C	2.4375	2.5625	0.50	24	0.9375	0.3125
D	2.4375	2.5625	0.50	24	0.9375	0.3125
E	2.4375	2.5625	0.50	24	0.9375	0.3125
F	2.4375	2.5625	0.50	24	0.9375	0.3125
G	2.4375	2.5625	0.50	24	0.9375	0.3125
H	2.4375	2.5625	0.50	24	0.9375	0.3125
I	2.4375	2.5625	0.50	24	0.9375	0.3125
J	2.4375	2.5625	0.50	24	0.9375	0.3125
K	2.5625	2.4375	0.50	24	0.9375	0.3125
L	2.5625	2.4375	0.50	24	0.9375	0.3125
M	2.5625	2.4375	0.50	24	0.9375	0.3125
N	2.5625	2.4375	0.50	24	0.8125	0.3125
O	2.5625	2.4375	0.50	24	0.8125	0.3125

Note 1: "A" Dimension For 4" o Leg & Above = 2-7/16" (2.4375).

Note 2: "A" Dimension For 3-3/4" o Leg & Below = 2-9/16" (2.5625).

## SPACERS

Job No. : SS-530

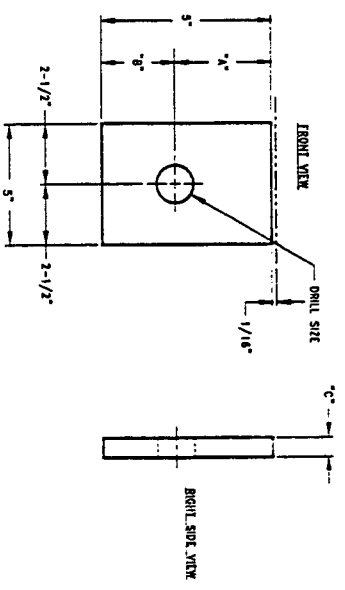
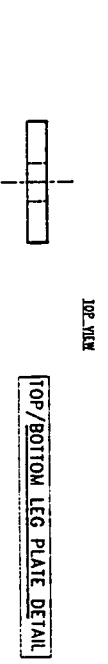
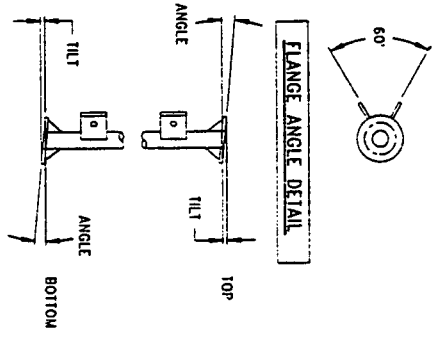
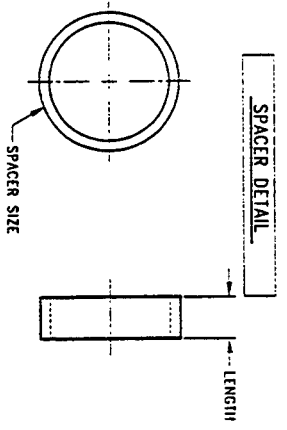
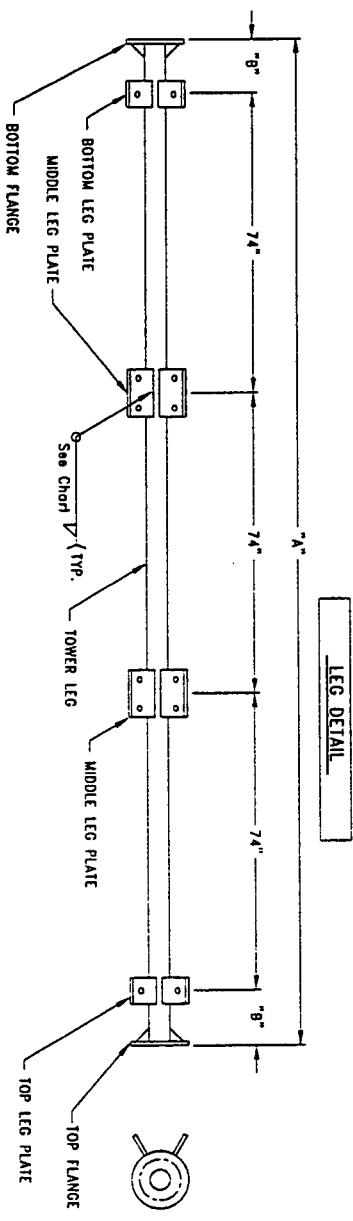
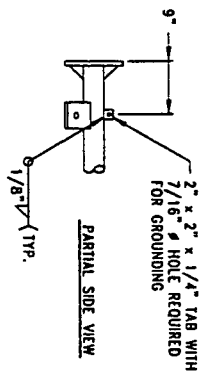
Site Location : Floyd CO., KY.

Spacer Information

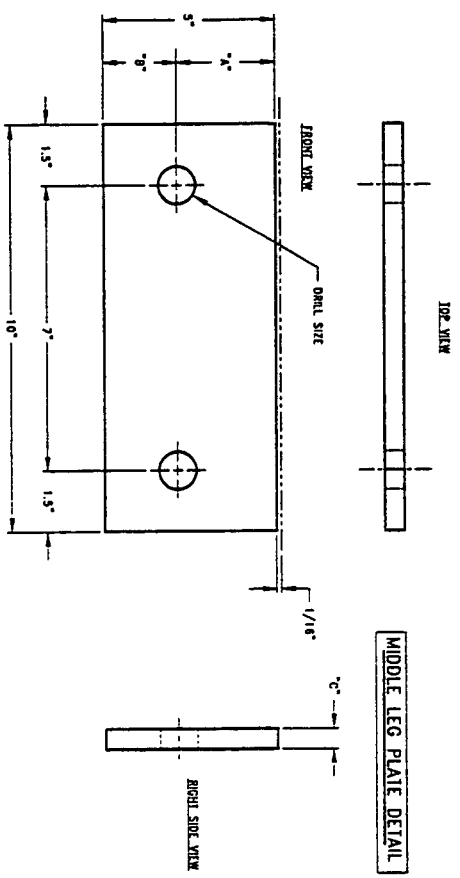
Section	Spacer Size	Length	# Req'd
A	1" Sch. 40	0.5	9
B	1" Sch. 40	0.5	9
C	1" Sch. 40	0.5	9
D	1" Sch. 40	0.5	9
E	1" Sch. 40	0.5	9
F	1" Sch. 40	0.5	9
G	1" Sch. 40	0.5	9
H	1" Sch. 40	0.5	9
I	1" Sch. 40	0.5	9
J	1" Sch. 40	0.5	9
K	1" Sch. 40	0.5	9
L	1" Sch. 40	0.5	9
M	1" Sch. 40	0.5	9
N	1" Sch. 40	0.5	9
O	1" Sch. 40	0.5	9

Note 1: Use 1" sch 40 Pipe For 1" o Bolts & Under.

Note 2: Use 1-1/2" sch 40 Pipe For 1-1/8" o Bolts & Over.



NOTE: EDGE OF TOWER LEG IS REPRESENTED BY PHANTOM LINE.



NOTE: EDGE OF TOWER LEG IS REPRESENTED BY PHANTOM LINE.

		<b>CENTRAL TOWER, INC.</b> 2855 HWY. 281, NEWBURGH, INDIANA 47630 (317) 853-6655	
<b>REVISIONS</b> BY: _____ TITLE: _____	<b>AS REQUIRED</b> DESIGNED BY: R.E.H. DATE: 9-9-97 DSK NO: STANDARD #1	<b>AS REQUIRED</b> DRAWN BY: A.J.H. SCALE: NO NAME: 38AT-0	<b>PROD'G AS REQ'D</b> DATE: _____ DRAWING NO: 3-BAY-0



# GUSSET DETAIL CHART

JOB NO.

SS-330

TOWER HT

380

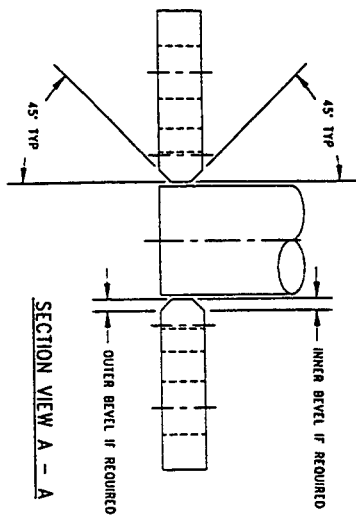
FACE WIDTH (FT.)

25

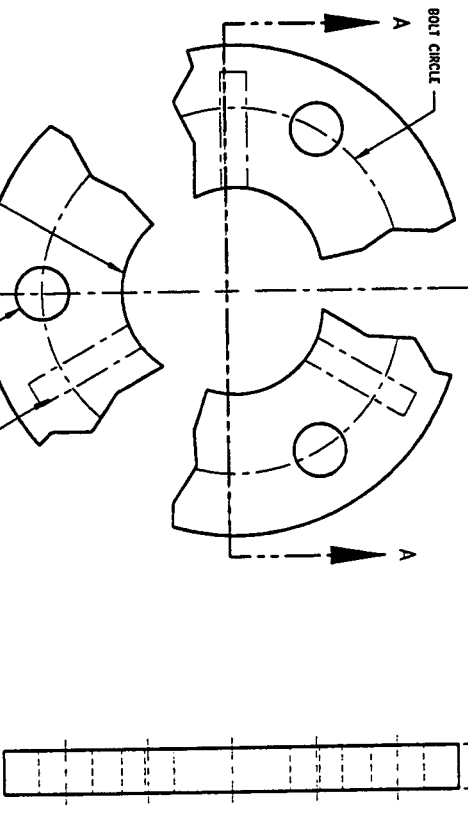
LOCATION

HIND CO. KY

SECTION	LOCATION	EL.	THICKNESS	A	B	C	D	TOTAL REQD	H/F/N	WELD	GUS / FLG (G/R)	GUS / BOLT (CLR)	ANGLE (HT. GUS)
A	BOTTOM	0	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	3.38	0.44	15
A	TOP	20	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.38	0.04	15
B	BOTTOM	20	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.38	0.04	15
B	TOP	40	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.38	0.04	15
C	BOTTOM	40	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.50	0.04	15
C	TOP	60	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.50	0.04	15
D	BOTTOM	60	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.50	0.04	15
D	TOP	80	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.50	0.04	15
E	BOTTOM	80	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.63	0.04	15
E	TOP	100	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.63	0.33	23
F	BOTTOM	100	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
F	TOP	120	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
G	BOTTOM	120	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
G	TOP	140	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.88	0.33	23
H	BOTTOM	140	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.88	0.33	23
H	TOP	160	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	1.00	0.43	30
I	BOTTOM	160	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.50	0.43	30
I	TOP	180	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.50	0.43	30
J	BOTTOM	180	0.375	3.00	3.00	1.25	0.73	9.00	H	0.3125	0.53	0.43	30
J	TOP	200	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.53	0.43	30
K	BOTTOM	200	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.53	0.43	30
K	TOP	220	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.63	0.53	30
L	BOTTOM	220	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
L	TOP	240	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
M	BOTTOM	240	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
M	TOP	260	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.88	0.53	30
N	BOTTOM	260	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.88	0.53	30
N	TOP	280	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	1.00	0.53	30
O	BOTTOM	280	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	1.00	0.53	30
O	TOP	300	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	1.38	0.53	30
P	BOTTOM	300	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	N/A	N/A	N/A
P	TOP	320	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
Q	BOTTOM	320	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
Q	TOP	340	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
R	BOTTOM	340	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
R	TOP	350	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A



FLANGE DETAIL

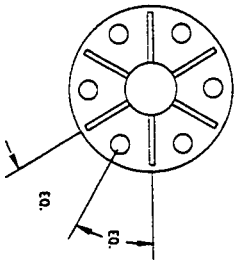
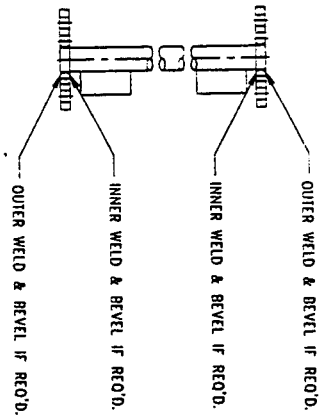


GUSSETS (IF REQ'D) EQUALLY SPACED BETWEEN HOLES AS SHOWN IN EXAMPLE 1 OR 2 IF FULL OR HALF ARE REQ'D.

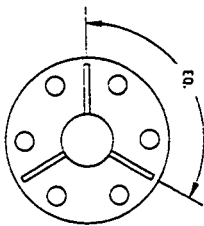
"BOLT DRILL" HOLES ARE EQUALLY SPACED ON "BOLT CIRCLE"

OUTER DIAMETER (FIG. O.D.)

CENTER DRILL

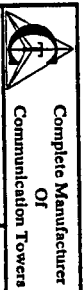
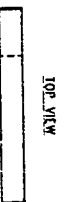
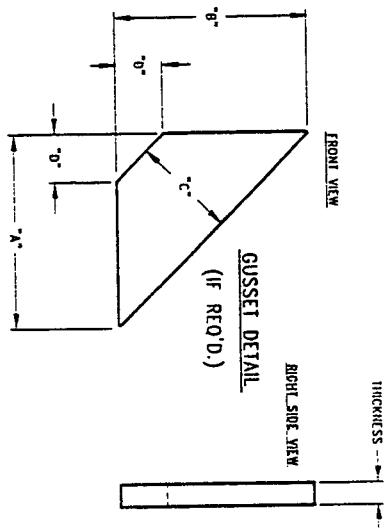


EXAMPLE 1  
IF FULL GUSSETS REQ'D.



EXAMPLE 2  
IF HALF GUSSETS REQ'D.

- NOTES:
- 1) GUSSETS EQUALLY SPACED BETWEEN HOLES.
  - 2) INNER BEVEL & INNER WELD IS ALWAYS IN REFERENCE TO THE SIDE OF THE FLANGE WITH GUSSETS OF I.E. TOWARD THE LEG PLATES.



**CENTRAL TOWER, INC.**  
2855 HWY. 261 NEWBURGH INDIANA 47630 (812) 853-0985

REVISIONS

BY	TITLE
AS REQUIRED	FLANGE & GUSSET SIZING DETAILS

DATE:	5-24-99	SCALE:	NO	APR. BY:	[Signature]
DESIGNED BY:	R.E.H.	DRAWN BY:	A.J.H.	PROJ. NO.:	AS REQ'D
STANDARD #1:	FL-G-N	NAME:	FL-G-N	DRAWING NO.:	FL-G-N

# DIAGONALS

Job No. : **SS-530**

Site Location : **FLOYD CO., KY**

## Diagonal Dimension Information

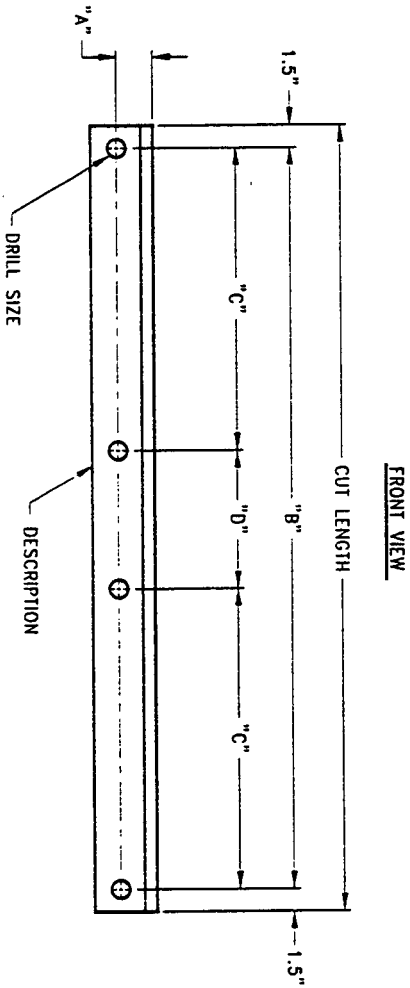
Section LABEL	Location	# Bays	Description	"A"	"B"	"C"	"D"	Cut Length	# Req'd	Drill Size
A	1	3	4 x 4	2.16	295.19	146.32	2.54	298.19	6	0.9375
A	2	3	4 x 4	2.16	289.21	143.40	2.41	292.21	6	0.9375
A	3	3	4 x 4	2.16	284.90	141.18	2.55	287.90	6	0.9375
B	1	3	4 x 4	2.13	278.90	138.18	2.55	281.90	6	0.9375
B	2	3	4 x 4	2.13	272.90	135.24	2.42	275.90	6	0.9375
B	3	3	4 x 4	2.13	268.66	133.05	2.56	271.66	6	0.9375
C	1	3	3.5 x 3.5	1.94	262.92	130.18	2.56	265.92	6	0.9375
C	2	3	3.5 x 3.5	1.94	256.89	127.23	2.43	259.89	6	0.9375
C	3	3	3.5 x 3.5	1.94	252.72	125.08	2.57	255.72	6	0.9375
D	1	3	3.5 x 3.5	1.91	246.78	122.10	2.57	249.78	6	0.9375
D	2	3	3.5 x 3.5	1.91	240.71	119.13	2.44	243.71	6	0.9375
D	3	3	3.5 x 3.5	1.91	236.64	117.03	2.58	239.64	6	0.9375
E	1	3	3.5 x 3.5	1.88	230.97	114.19	2.59	233.97	6	0.9375
E	2	3	3.5 x 3.5	1.88	224.86	111.20	2.46	227.86	6	0.9375
E	3	3	3.5 x 3.5	1.88	220.89	109.14	2.60	223.89	6	0.9375
F	1	3	3 x 3	1.69	215.27	106.33	2.61	218.27	6	0.9375
F	2	3	3 x 3	1.69	209.12	103.32	2.48	212.12	6	0.9375
F	3	3	3 x 3	1.69	205.27	101.32	2.63	208.27	6	0.9375
G	1	3	3 x 3	1.63	199.47	98.41	2.64	202.47	6	0.9375
G	2	3	3 x 3	1.63	193.28	95.39	2.50	196.28	6	0.9375
G	3	3	3 x 3	1.63	189.58	93.46	2.66	192.58	6	0.9375
H	1	3	3 x 3	1.63	184.08	90.70	2.67	187.08	6	0.9375
H	2	3	3 x 3	1.63	177.84	87.66	2.53	180.84	6	0.9375
H	3	3	3 x 3	1.63	174.33	85.81	2.70	177.33	6	0.9375
I	1	3	2.5 x 2.5	1.41	168.68	82.98	2.72	171.68	6	0.9375
I	2	3	2.5 x 2.5	1.41	162.40	79.91	2.57	165.40	6	0.9375
I	3	3	2.5 x 2.5	1.41	159.10	78.18	2.75	162.10	6	0.9375
J	1	3	2.5 x 2.5	1.38	153.80	75.51	2.78	156.80	6	0.9375
J	2	3	2.5 x 2.5	1.38	147.48	72.43	2.63	150.48	6	0.9375
J	3	3	2.5 x 2.5	1.38	144.45	70.81	2.83	147.45	6	0.9375
K	1	3	2.5 x 2.5	1.34	139.08	68.11	2.86	142.08	6	0.9375
K	2	3	2.5 x 2.5	1.34	132.73	65.01	2.72	135.73	6	0.9375
K	3	3	2.5 x 2.5	1.34	130.04	63.55	2.94	133.04	6	0.9375
L	1	3	2.5 x 2.5	1.34	124.88	60.95	2.99	127.88	6	0.9375
L	2	3	2.5 x 2.5	1.34	118.53	57.84	2.84	121.53	6	0.9375
L	3	3	2.5 x 2.5	1.34	116.28	56.59	3.10	119.28	6	0.9375
M	1	3	2 x 2	1.13	111.61	54.21	3.18	114.61	6	0.9375
M	2	3	2 x 2	1.13	105.29	51.13	3.04	108.29	6	0.9375
M	3	3	2 x 2	1.13	103.60	50.12	3.37	106.60	6	0.9375
N	1	3	1.75 x 1.75	1.00	99.32	47.91	3.50	102.32	6	0.8125
N	2	3	1.75 x 1.75	1.00	93.11	44.87	3.37	96.11	6	0.8125
N	3	3	1.75 x 1.75	1.00	92.16	44.16	3.83	95.16	6	0.8125
O	1	3	1.75 x 1.75	1.00	88.44	42.18	4.08	91.44	6	0.8125
O	2	3	1.75 x 1.75	1.00	82.48	39.23	4.02	85.48	6	0.8125
O	3	3	1.75 x 1.75	1.00	82.47	38.86	4.75	85.47	6	0.8125





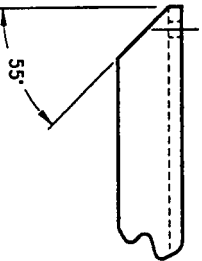
PARTIAL TOP VIEW


DIAGONAL DETAIL

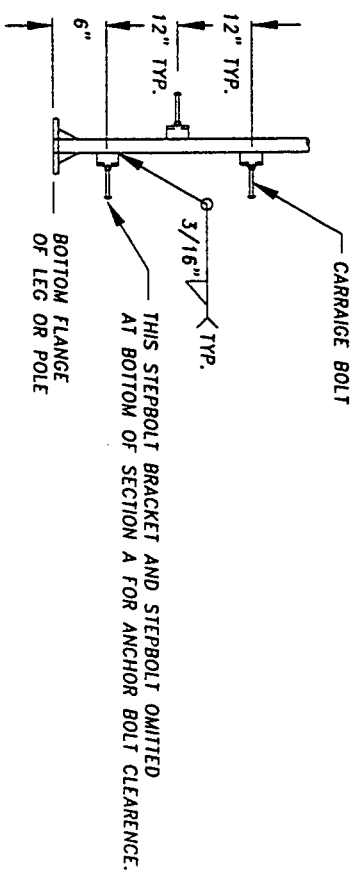
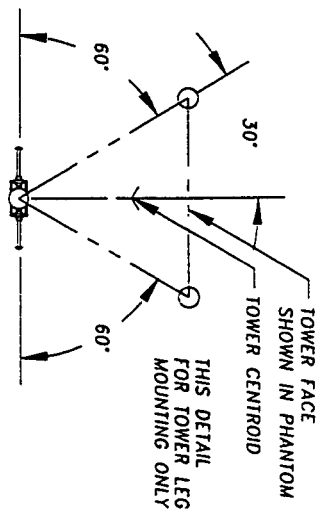


FRONT VIEW

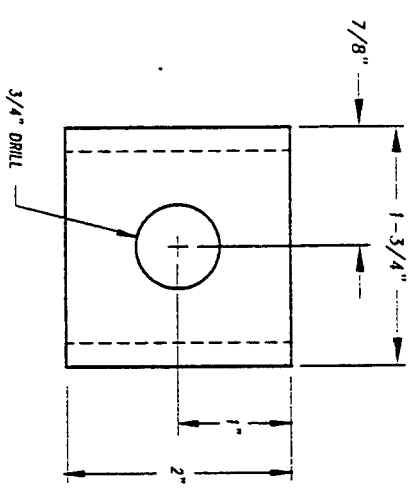
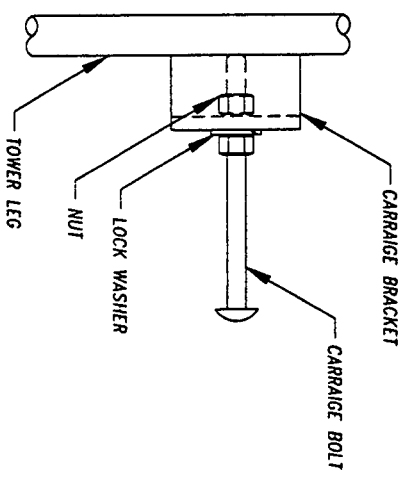
COPE DETAIL  
4" x 4" AND 5" x 5" ANGLE ONLY!



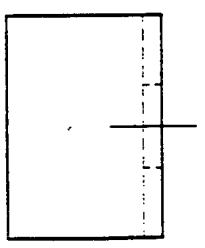
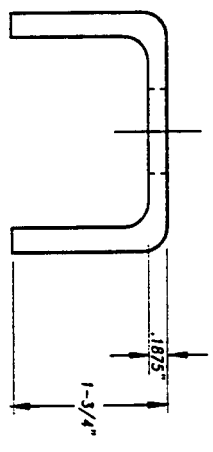
 <p>Complete Manufacturer Of Communication Towers</p>		<p><b>CENTRAL TOWER, INC.</b> 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 953-6595</p>	
REVISIONS	BY	TITLE: DIAGONAL MEMBER DETAILS FOR SECTION	
		SITE: AS REQUIRED	FOR: AS REQUIRED
		DESIGNED BY: R.E.H.	DRAWN BY: R.E.H.
		DATE: 11-03-97	SCALE: NO
		DISK NO: STANDARD #1	NAME: INNER-D
			PROJ. NO: AS REQ'D
			APP. BY: <i>[Signature]</i>
			DRAWING NO: INNER-D



CARRIAGE BOLT ASSEMBLY



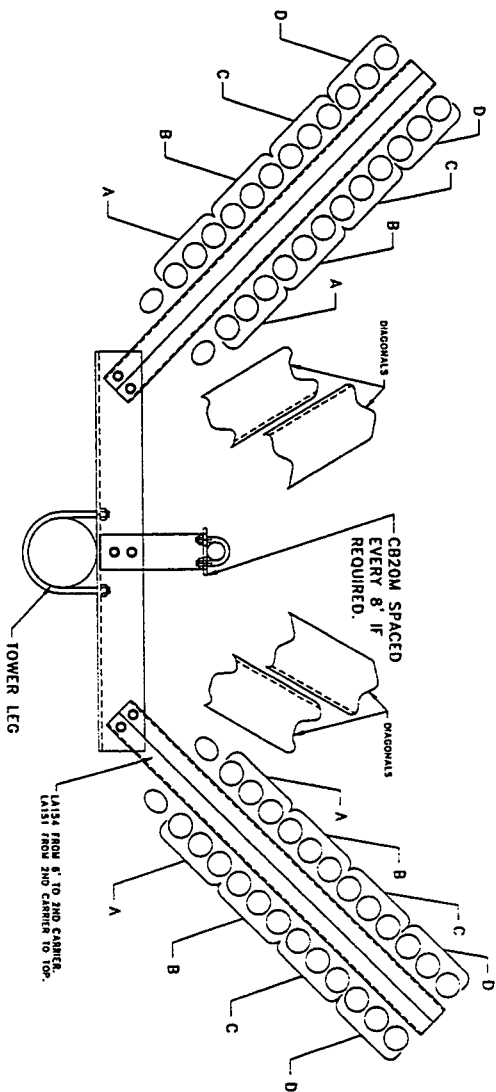
CARRIAGE BRACKET DETAIL  
PART IS MADE FROM 3/16" X 2" A36 FLATBAR



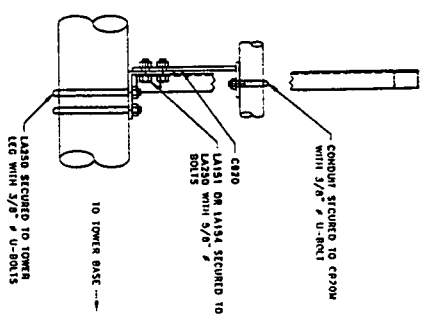
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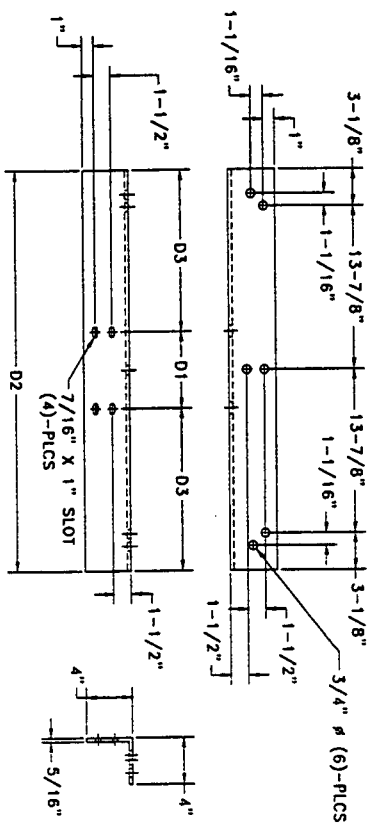
<b>REVISIONS</b> CHANGED ORIENTATION 2-3-98 Anchor Bolt CLR. Note 3-12-99		<b>BY</b> R.E.H. A.J.H.	
<b>TITLE:</b> CARRIAGE BOLT ASSEMBLY (TOWER LEG)		<b>FOR:</b> AS REQ'D	
<b>DATE:</b> 10-31-96		<b>SCALE:</b> NO	
<b>DISK NO.:</b> L#1		<b>NAME:</b> LA97M	
<b>PROJ. NO.:</b> AS REQ'D		<b>APP. BY:</b> 	
<b>DRAWING NO.:</b> LA97M		<b>DATE:</b> 10-31-96	



- A - TOP CARRIER FEEDLINE LOCATION
- B - SECOND CARRIER FEEDLINE LOCATION
- C - THIRD CARRIER FEEDLINE LOCATION
- D - FOURTH CARRIER FEEDLINE LOCATION



**PART # LA151**  
**FEEDLINE HANGER ANGLE**  
 (2)-REQUIRED AS SHOWN,  
 (2)-REQUIRED WITH HOLES  
 REVERSED PER SV-MOUNT.  
 REVD FROM 2ND CARRIER TO TOP.  
 ANGLES ARE STITCH WELDED TOGETHER  
 (1) AS SHOWN TO  
 (1) WITH HOLES REVERSED

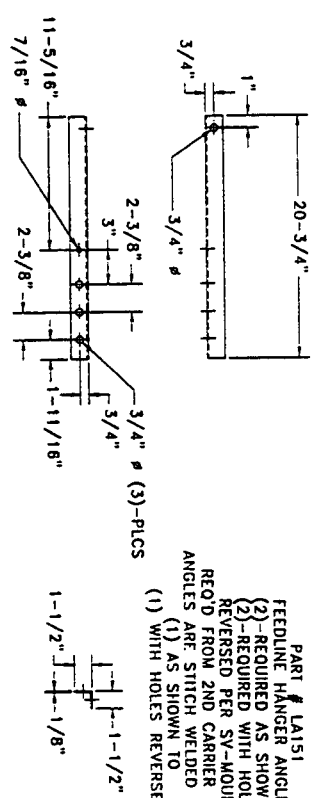


**FEEDLINE HANGER INFORMATION FOR HANGER ANGLE SECURING BRACKET (PART # LA250)**

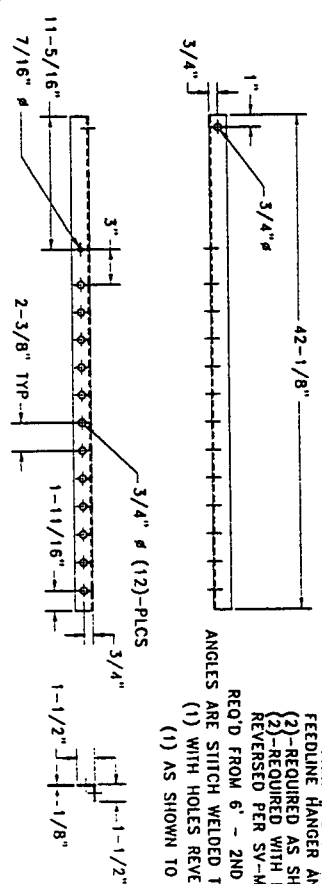
LEG SIZE	"D1"	"D2"	"D3"	NO. REQ'D LEG 1	NO. REQ'D LEG 2	TOTAL NO. REQ'D
5-1/4" - 6"	6-1/8"	3/4"	13-13/16"	9	N/A	9
4-1/4" - 5"	5-1/8"	3/4"	14-7/16"	35	N/A	35
3-1/4" - 4"	4-1/8"	3/4"	14-15/16"	25	N/A	25
2-1/4" - 3"	3-1/8"	3/4"	15-7/16"	10	N/A	10
1-1/4" - 2"	2-1/8"	3/4"	15-15/16"	8	N/A	8

**NOTES:**

- 1) HANGERS ARE TO BE SPACED EVERY 4".
- 2) HANGERS ARE MOUNTED ON INSIDE OF TOWER.
- 3) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- 4) TOP 5 HANGERS PER SECTION, MOUNT FIRST HANGER AT 2" FROM BOTTOM OF SECTION, THEN EVERY 4".
- 5) HANGERS ARE NOT REQ'D IN THE BOTTOM 6" OF TOWER (M.P.).
- 6) SV-MOUNT IS DESIGNED FOR CLEARANCE OF 4" ANGLES.



**PART # LA154**  
**FEEDLINE HANGER ANGLE**  
 (2)-REQUIRED AS SHOWN,  
 (2)-REQUIRED WITH HOLES  
 REVERSED PER SV-MOUNT.  
 REVD FROM 6" - 2ND CARRIER.  
 ANGLES ARE STITCH WELDED TOGETHER  
 (1) WITH HOLES REVERSED  
 (1) AS SHOWN TO



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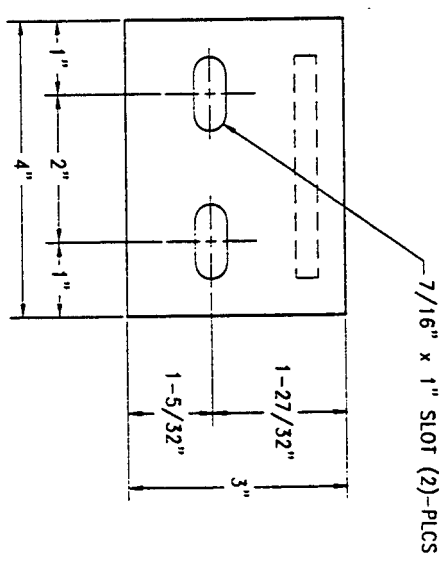
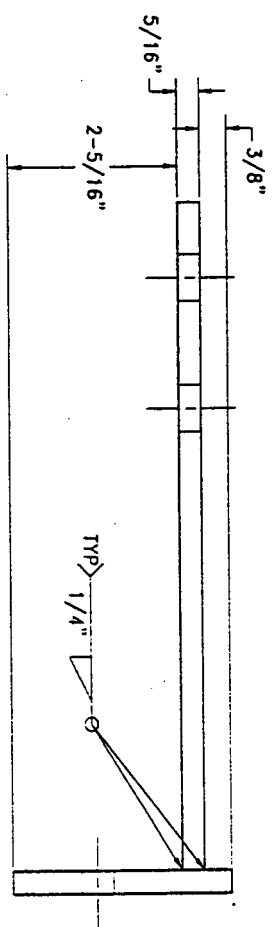
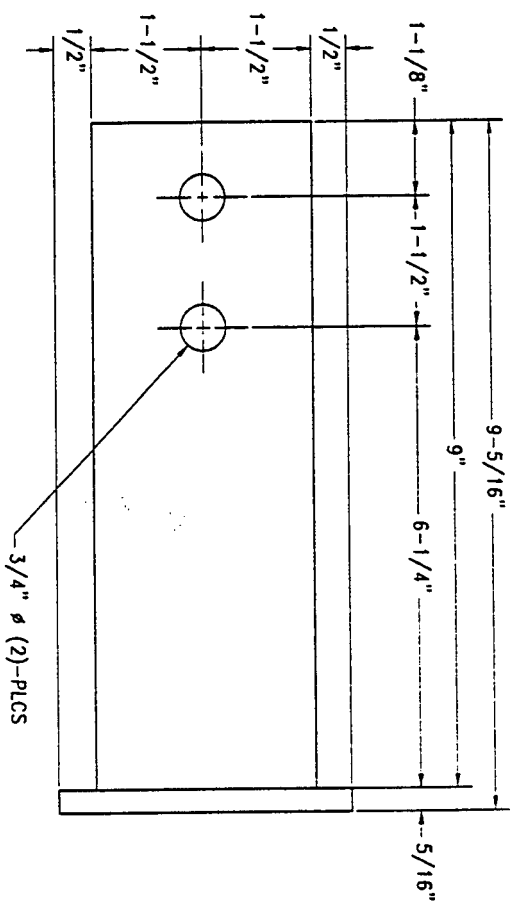
**CENTRAL TOWER, INC.**  
 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595

**SV-MOUNT ASSEMBLY**

REVISIONS	BY	DATE	DESCRIPTION


DESIGNED BY: R.E.H.	DRAWN BY: A.J.H.	DATE: 6-14-99	SCALE: NO
SITE: AS REQUIRED	FOR: AS REQUIRED	DISK NO: SIR#18	NAME: SV-4C-S48B4
PROD. NO. AS REQ'D.	APP. BY:		

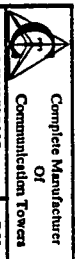
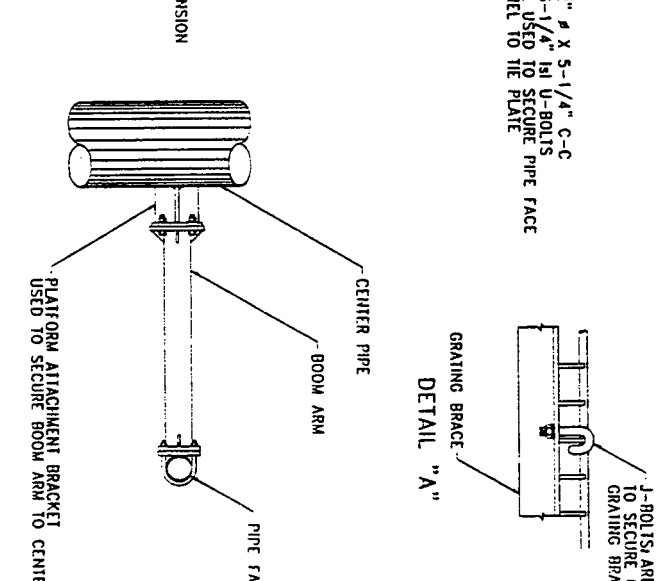
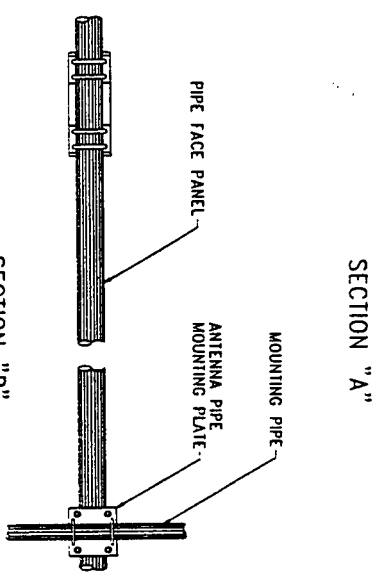
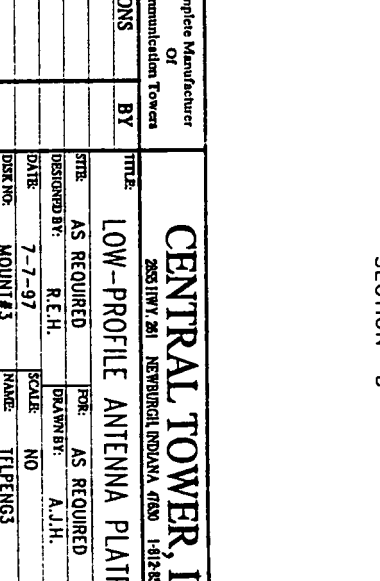
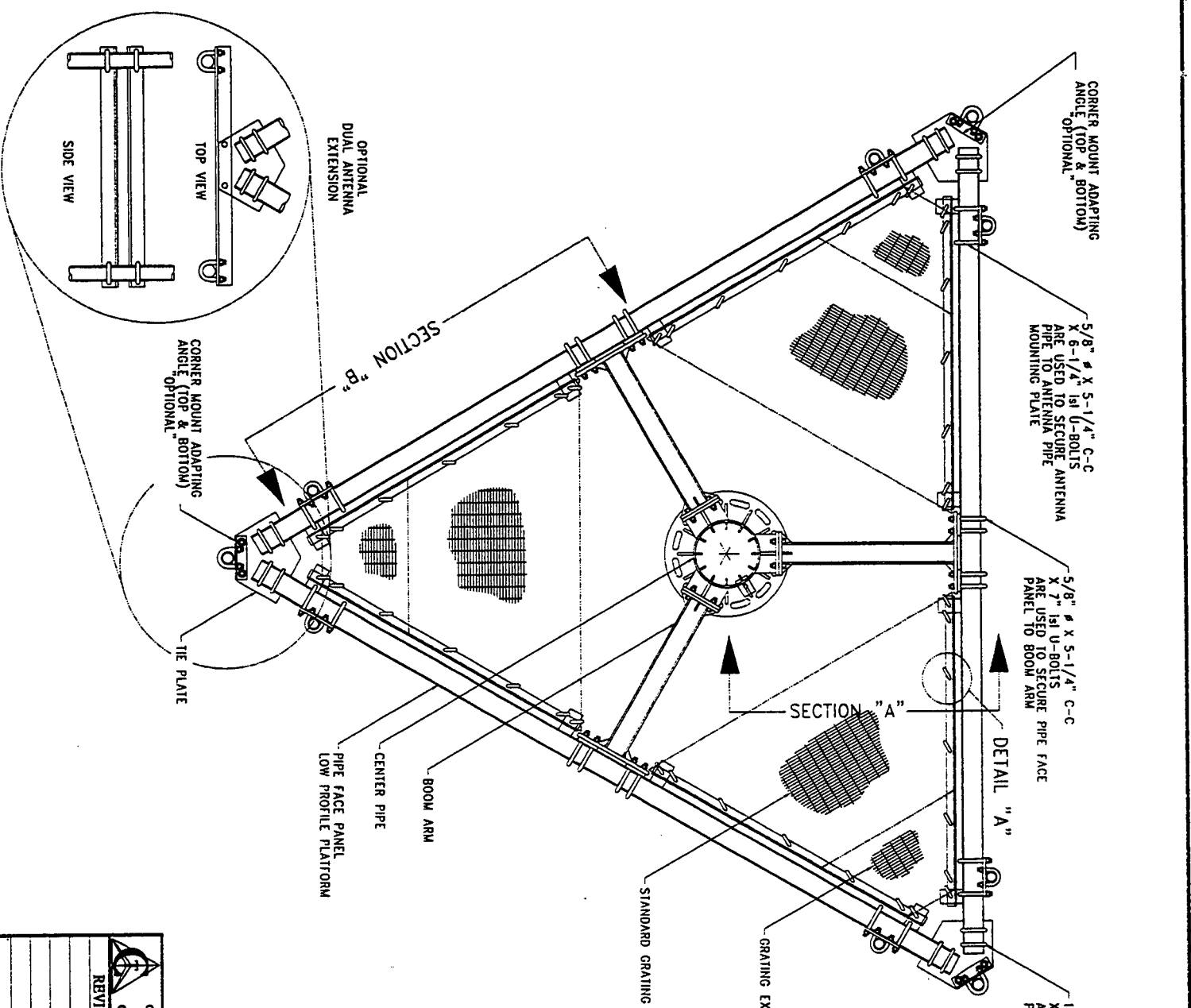


PART # CB20M

NOTES:

- 1) SPACED EVERY 4' APPROXIMATELY.
- 2) IF CONDUIT IS NOT INITIALLY INSTALLED, THE CONDUIT BRACKET CAN BE LEFT OFF SO AS TO THE WRAP STROBE CABLE TO THE CONDUIT BRACKET MOUNTING HOLES ON THE T-MOUNT.

		<b>Complete Manufacturer Of Communication Towers</b>	
		<b>CENTRAL TOWER, INC.</b> 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595	
<b>REVISIONS</b>	<b>BY</b>	<b>TITLE:</b> CONDUIT BRACKET - PART # CB20M	<b>PROJ. NO. AS REQ'D</b>
DESIGNED BY: R.E.H.	DATE: 1-14-98	FOR: AS REQUIRED	APP. BY:
DISK NO: CB#17	SCALE: NO	NAME: CB20M	DRAWING NO: CB20M



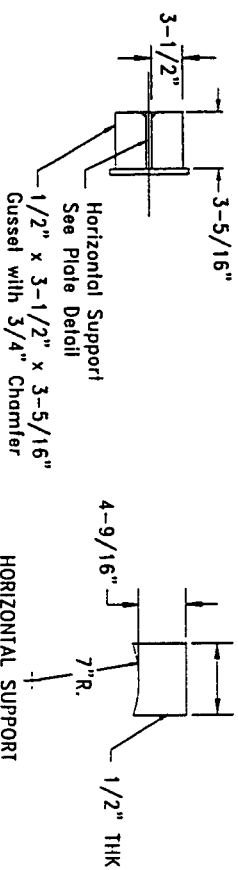
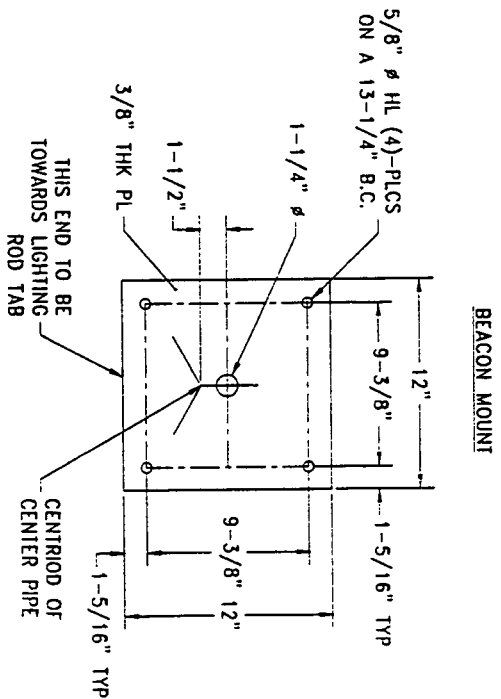
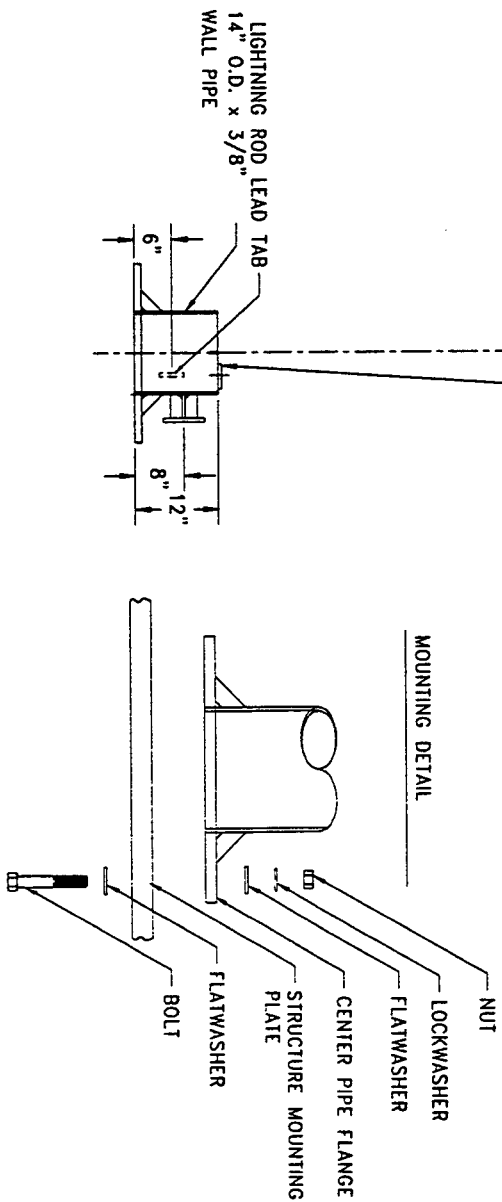
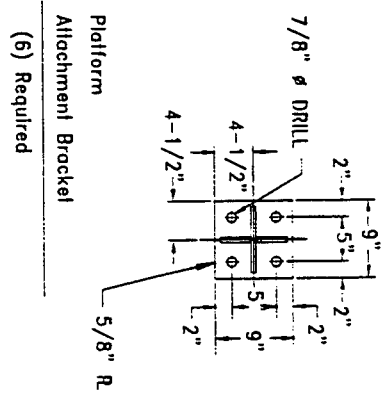
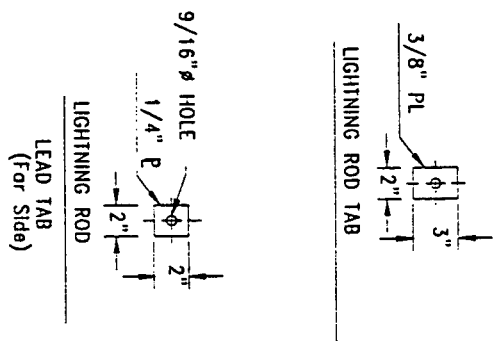
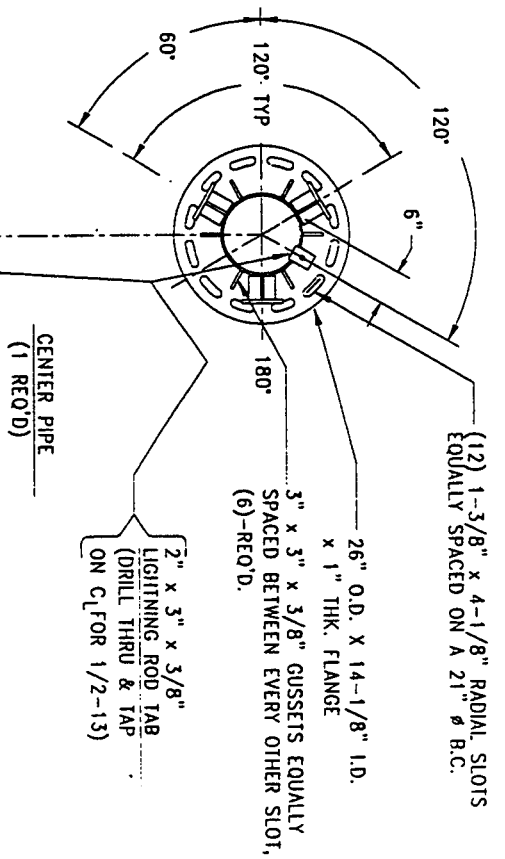
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Communications Towers


# CENTRAL TOWER, INC.

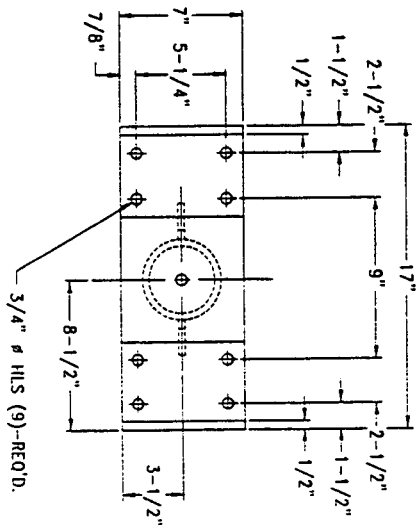
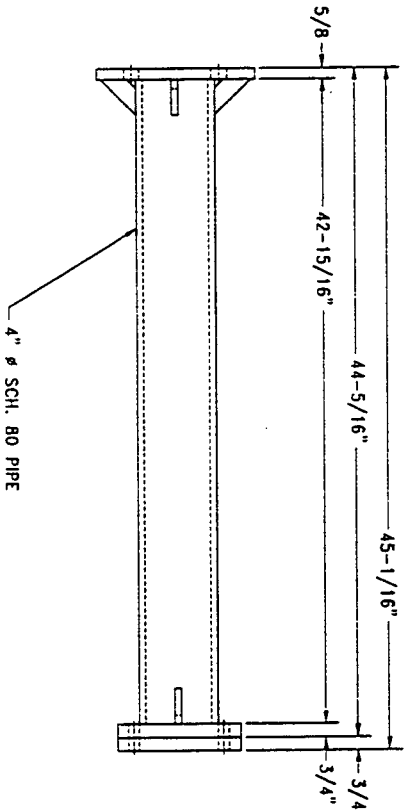
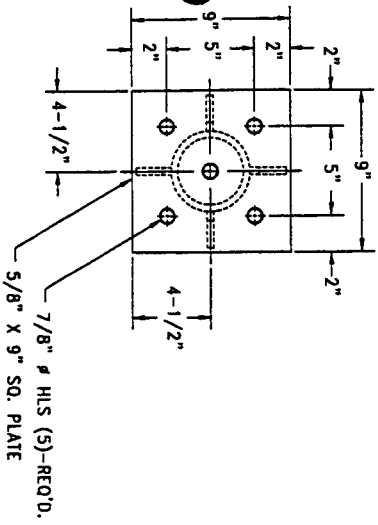
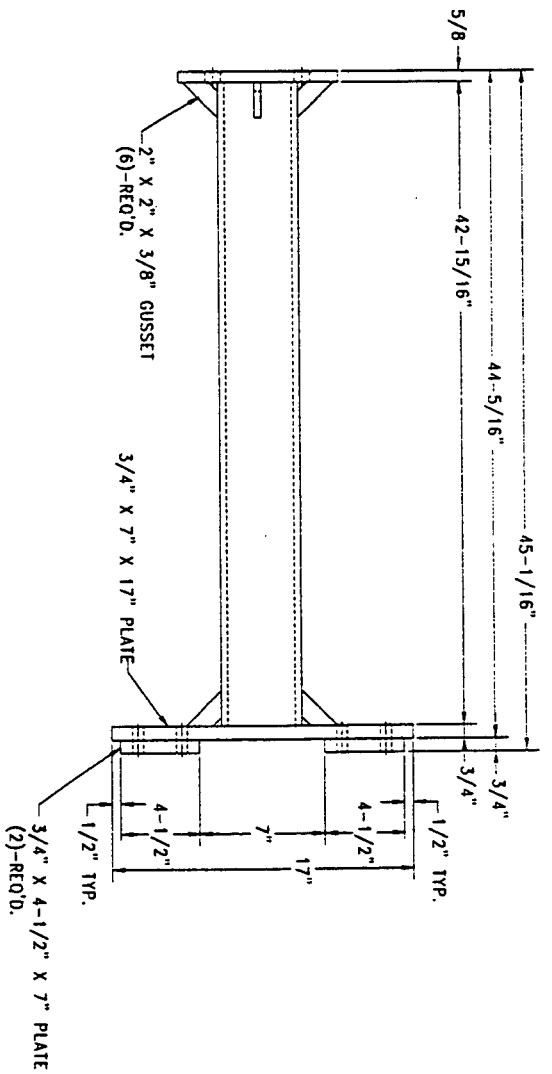
2851 LIVERY 261 NEWBURGH, INDIANA, 47630 1-812-853-0888

## LOW-PROFILE ANTENNA PLATFORM

REVISIONS	BY	TITLE
AS REQUIRED	AS REQUIRED	LOW-PROFILE ANTENNA PLATFORM
DESIGNED BY: R.E.H.	DRAWN BY: A.J.H.	
DATE: 7-7-97	SCALE: NO	
DRAWING NO: TFLPENG3	NAME: TFLPENG3	
		PROJ. NO: AS REC'D
		APP. BY: [Signature]
		DRAWING NO: TFLPENG3



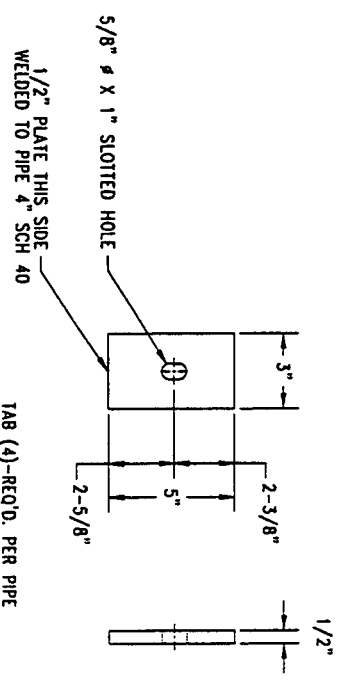
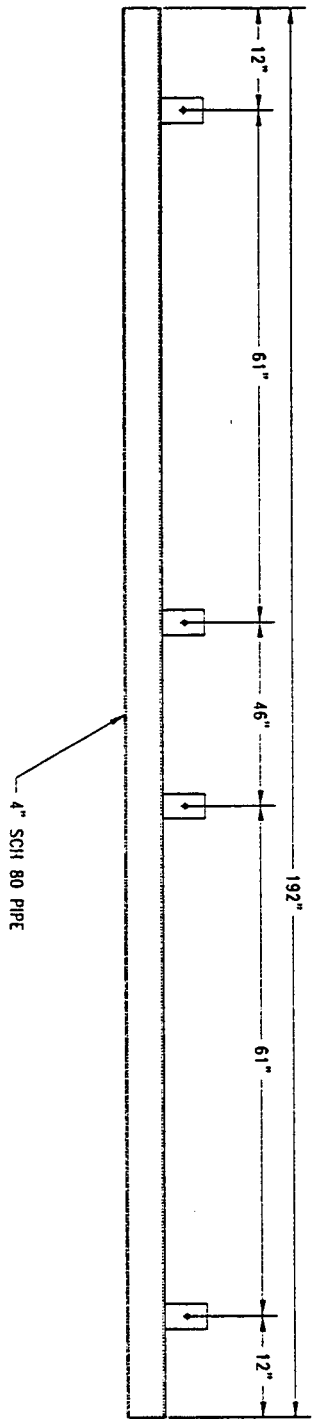
 <p>Complete Manufacturer Of Communication Towers</p>		<p><b>CENTRAL TOWER, INC.</b> 2855 HWY. 281 NEUBURGH, INDIANA 47630 (812) 553-0595</p>	
<p>REVISIONS</p> <p>GUSSETS FOR PIPE</p>	<p>BY A.J.H.</p>	<p>TITLE: 14" CENTER PIPE FOR LOW PROFILE ROTATABLE PLATFORM ATTACHMENT</p>	<p>DATE: 7-23-98</p>
<p>AS REQUIRED</p>	<p>FOR: AS REQUIRED</p>	<p>PROJ. NO. AS REQ'D</p>	<p>SCALE: NO</p>
<p>DESIGNED BY: R.E.H.</p>	<p>DRAWN BY: R.E.H.</p>	<p>ATT. BY: R.E.H.</p>	<p>DRAWING NO. LPCP16-R</p>
<p>DISK NO. Mount #3</p>	<p>NAME: LPCP16-R</p>	<p>NAME: LPCP16-R</p>	<p>NAME: LPCP16-R</p>



BOOM ARM DETAIL

- NOTES:
- 1) ALL PIPE TO PLATE WELD IS 1/2"
  - 2) ALL OTHER WELDS ARE 3/8"

		<b>CENTRAL TOWER, INC.</b> 2655 HWY. 261 NEWBURGH, INDIANA 47630 1-812-853-0595	
		TITLE: <b>BOOM ARM (16' FACE)</b>	PROJ. NO.: AS REQ'D. APP. BY:
REVISIONS:	BY:	SITE: AS REQUIRED	FROM: AS REQUIRED
DISK NO.:	MOUNT #3	DESIGNED BY: R.E.H.	DRAWN BY: A.J.H.
DATE: 7-23-98	SCALE: NO	NAME: TFBA-16	DRAWING NO.: TFBA-16



TAB (4) - REC'D. PER PIPE



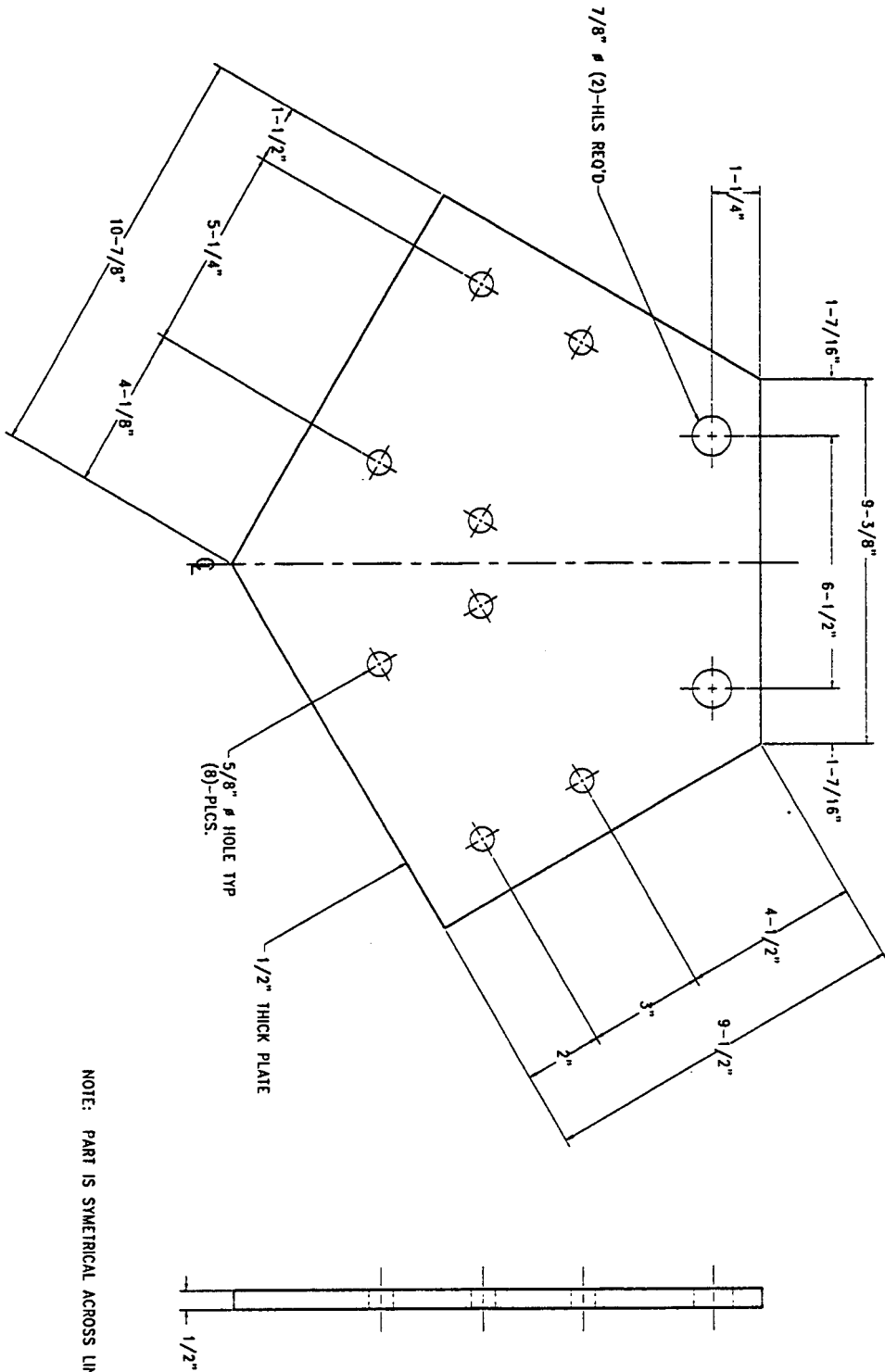
Complete Manufacturer  
of  
Communication Towers

# CENTRAL TOWER, INC.


2855 HWY. 261 NEW WILBORGH INDIANA 41650 1-812-853-0685

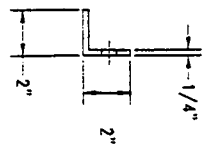
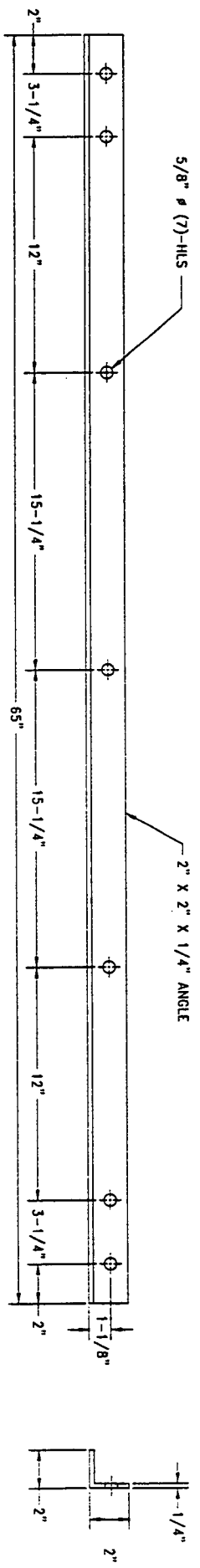
REVISIONS	BY	TITLE
		PIPE FACE PANEL FOR 16' FACE LOW PROFILE PLATFORM
		SITE: AS REQUIRED
		DESIGNED BY: R.E.H.
		DATE: 7-23-98
		DRAWN BY: A.J.H.
		SCALE: NO
		NAME: LPP-16
		PROJ. NO: AS REC'D.
		DRAWING NO: LPP-16





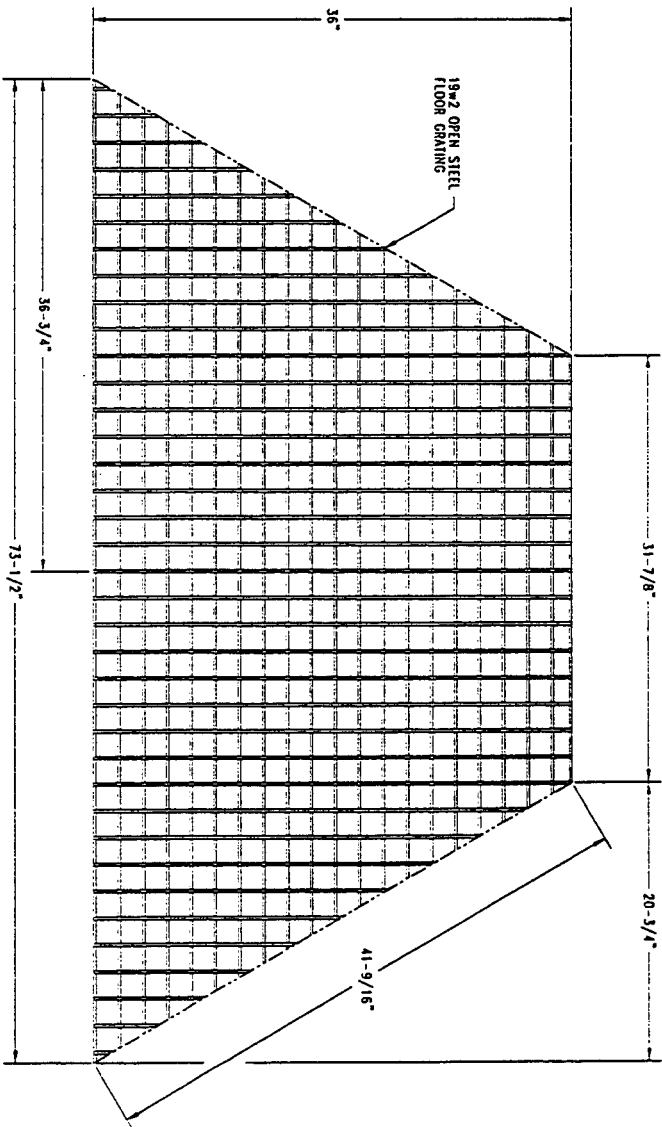
NOTE: PART IS SYMMETRICAL ACROSS LINE MARKED Q

		<b>CENTRAL TOWER, INC.</b> 2855 HWY. 261 NEWBURGH INDIANA 47030 1-812-853-0595	
<b>REVISIONS</b> BY TITLE:	<b>AS REQUIRED</b> R.E.H. 6-11-97 MOUNT #3	<b>AS REQUIRED</b> A.J.H. NO TFTP-1	<b>AS REQUIRED</b> A.J.H. TFTP-1



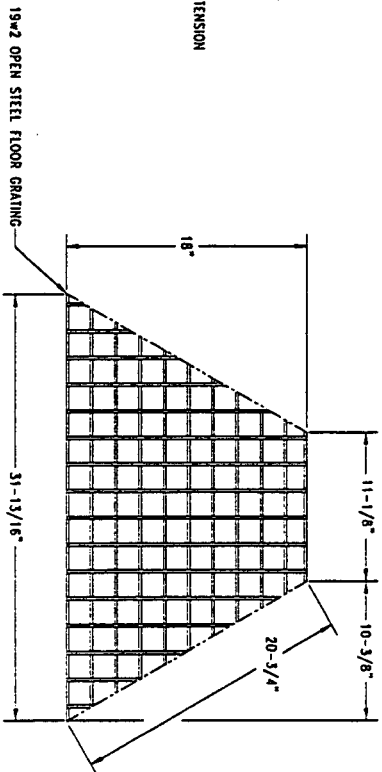
		Complete Manufacture Of Communication Towers	
<b>CENTRAL TOWER, INC.</b> <small>2851 HWY. 301, NEWBURNAL, LOUISIANA, 70065 1-612-653-6595</small>			
<b>REVISIONS</b> BY		TITLE <b>GRATING BRACE</b>	
DATE 6-17-97	DRAWN BY R.E.H.	FOR AS REQUIRED	PROJ. NO. LPGB-14
DATE 6-17-97	DRAWN BY A.J.H.	FOR AS REQUIRED	PROJ. NO. LPGB-14
DATE 6-17-97	DRAWN BY A.J.H.	FOR AS REQUIRED	PROJ. NO. LPGB-14

STANDARD GRATING



BAR GRATING 1-1/4" X 3/16"  
BEARING BARS - PLAIN  
WELDED - SERIES CW

GRATING EXTENSION



BAR GRATING 1-1/4" X 3/16"  
BEARING BARS - PLAIN  
WELDED - SERIES CW

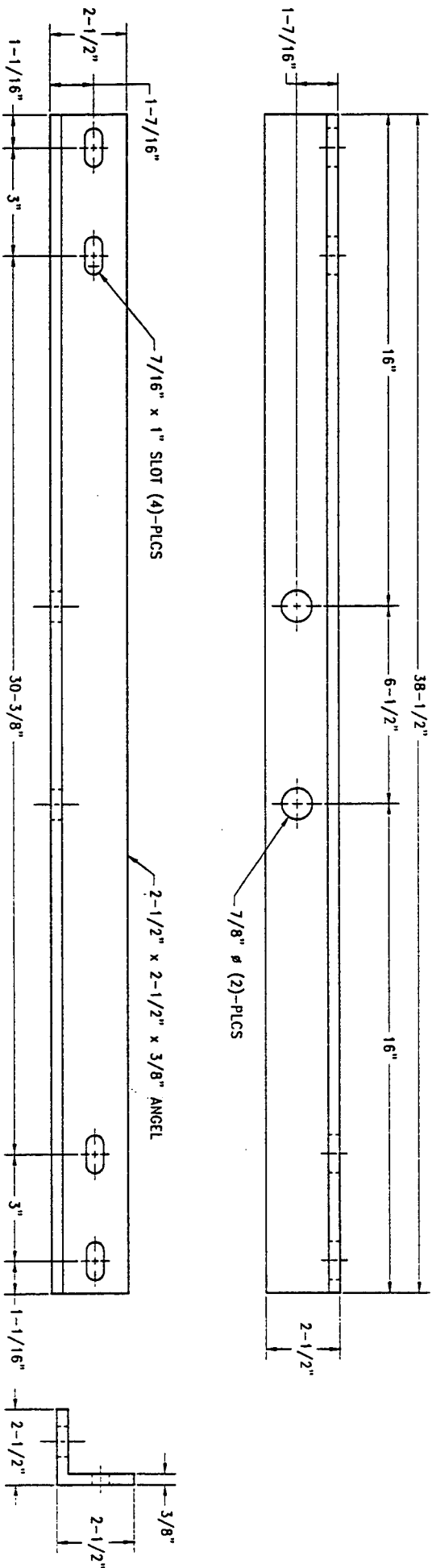
NOTES:

- 1) (1)-STANDARD GRATING & (1)-GRATING EXTENSION REQUIRED PER GRATING ASSEMBLY
- 2) (3)-GRATING ASSEMBLIES REQUIRED PER PLATFORM



**CENTRAL TOWER, INC.**  
2855 HWY. 261 NEWBURGH INDIANA 47630 1-812-853-6555

REVISIONS	BY	TITLE:	FOR:	PROJ. NO. AS REQ'D.
		GRATING ASSEMBLY	AS REQUIRED	LPGA-14
		SITE:	AS REQUIRED	DATE:
		DISTORBED BY:	R.E.H.	6-13-97
		DATE:	SCALE:	NO
		DRAWN BY:	A.J.H.	NAME:
		DRAWING NO.:	LPGA-14	
		DISTR. NO.:	MOUNT #3	



Complete Manufacturer  
Of  
Communication Towers

# CENTRAL TOWER, INC.

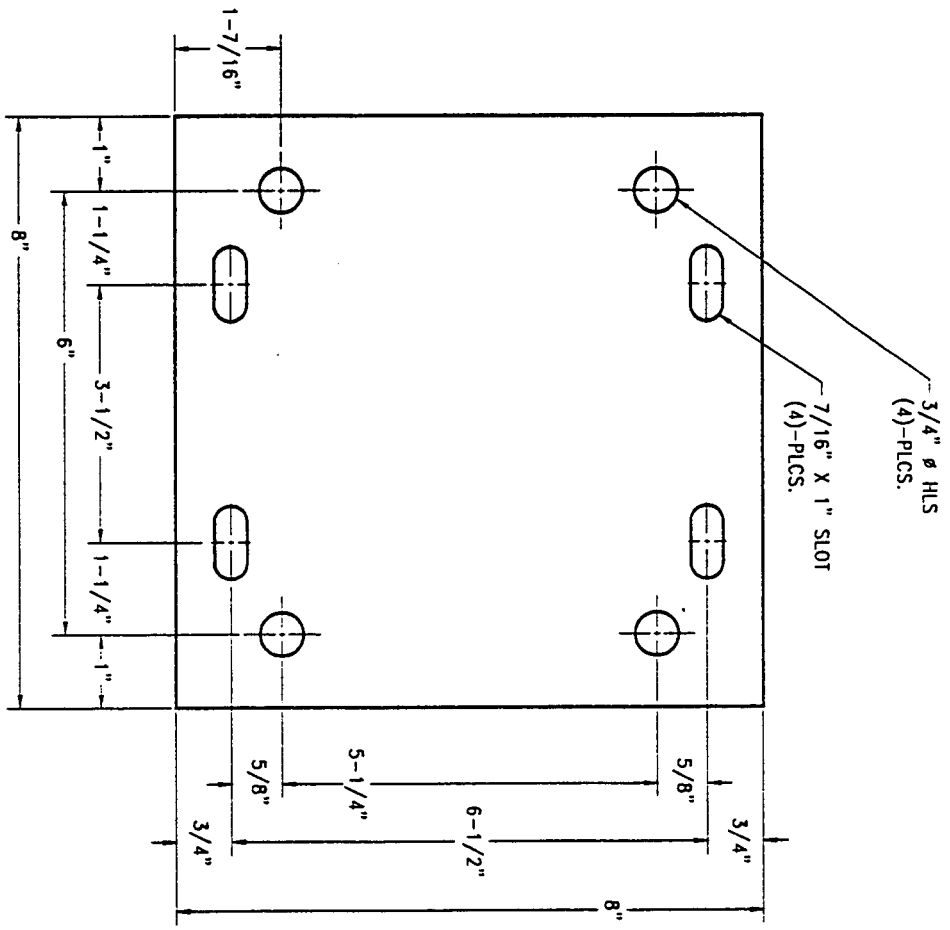
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-6935

## DUAL ANTENNA EXTENSION



TITLE:		FOR: AS REQUIRED		PROJ. NO: AS REQ'D	
SITE:		DRAWN BY: A.J.H.		APP. BY:	
DESIGNED BY: R.E.H.		SCALE: NO		DRAWING NO:	
DATE: 7-23-98		NAME: MPTILP-02		MPTILP-02	
DISK NO: MOUNT#3					

### REVISIONS

BY

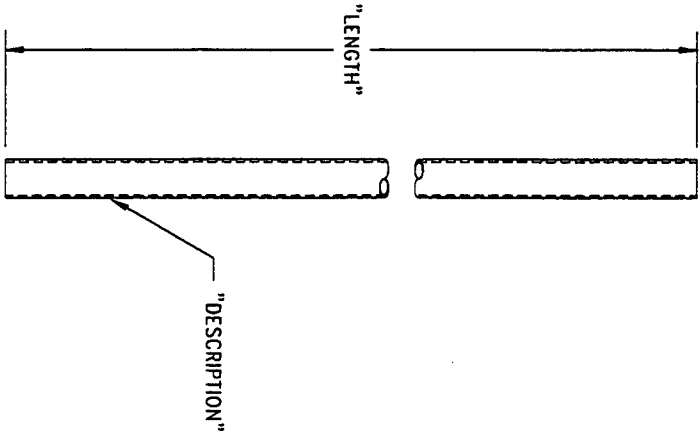



NOTES:  
 1) THIS PART WILL SUPPORT 2" PIPE THRU 3" PIPE.

 <p>Complete Manufacturer        of        Communication Towers</p>		<p><b>CENTRAL TOWER, INC.</b>        2655 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595</p>	
REVISIONS	BY	TITLE:	ANTENNA PIPE MOUNTING PLATE
		SITE: AS REQUIRED	FOR: AS REQUIRED
		DESIGNED BY: R.E.H.	DRAWN BY: A.J.H.
		DATE: 6-11-97	SCALE: NO
		DISK NO: MOUNT #3	NAME: MPTFLP-1
			PROJ. NO: AS REQ'D
			APP. BY: 
			DRAWING NO: MPTFLP-1

PART DETAIL CHART

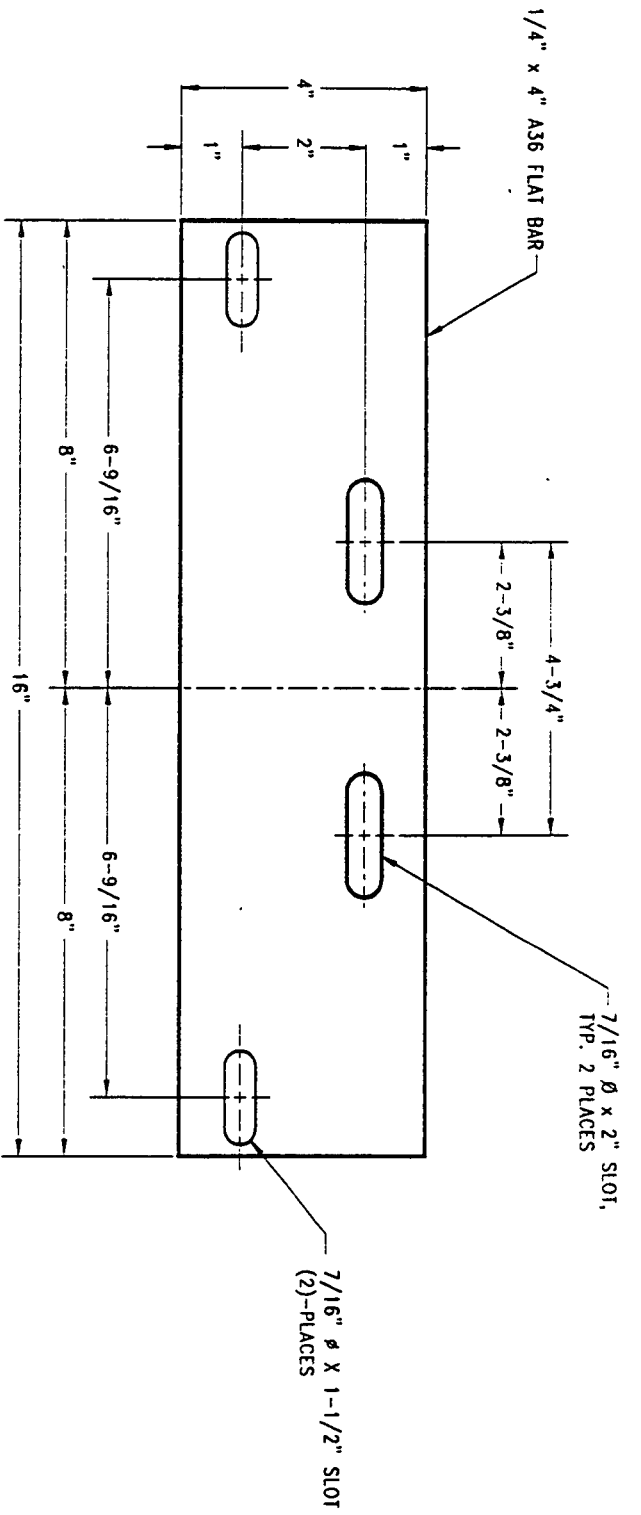
PART NO.	"DESCRIPTION"	"LENGTH"
P2040-63	2" SCH 40 PIPE	63"
P2040-84	2" SCH 40 PIPE	84"
P2040-96	2" SCH 40 PIPE	96"
P2040-252	2" SCH 40 PIPE	252"
P2540-63	2-1/2" SCH 40 PIPE	63"
P2540-84	2-1/2" SCH 40 PIPE	84"
P2540-96	2-1/2" SCH 40 PIPE	96"
P2540-252	2-1/2" SCH 40 PIPE	252"
P3040-63	3" SCH 40 PIPE	63"
P3040-84	3" SCH 40 PIPE	84"
P3040-96	3" SCH 40 PIPE	96"
P3040-252	3" SCH 40 PIPE	252"
P4040-63	4" SCH 40 PIPE	63"
P4040-72	4" SCH 40 PIPE	72"
P4040-84	4" SCH 40 PIPE	84"
P4040-96	4" SCH 40 PIPE	96"
P4040-120	4" SCH 40 PIPE	120"
P4040-144	4" SCH 40 PIPE	144"
P4040-168	4" SCH 40 PIPE	168"
P4040-252	4" SCH 40 PIPE	252"
P4080-192	4" SCH 80 PIPE	192"
P4080-204	4" SCH 80 PIPE	204"



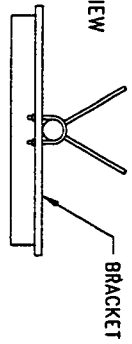
**CENTRAL TOWER, INC.**  
 2855 HWY. 261 NEWBURGH, INDIANA 41630 (812) 853-0695

STANDARD PIPE PARTS LIST

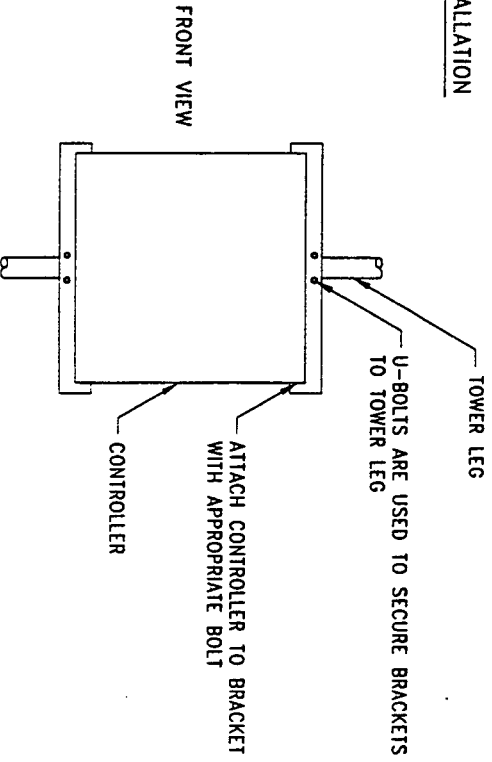
REVISIONS	BY	TITLE:	FOR:	PROJ. NO. AS REQ'D
		SITE:	AS REQ'D	
		DESIGNED BY:	R. E. H.	DRAWN BY:
		DATE:	7-23-98	SCALE:
		DISK NO.:	MOUNT #3	NAME:
				PIPE-PT1
				DRAWING NO.:
				PIPE-PT1



TOP VIEW



BRACKET INSTALLATION



FRONT VIEW

NOTES:

- 1) BRACKET SUPPORTS THE FOLLOWING CONTROLLERS :
  - a.) TWR : E-1
  - b.) FLASH: FTB512
- 2) TWO BRACKETS REQUIRED PER CONTROLLER.
- 3) BRACKET MOUNTS TO 2-3/4" Ø THRU 6" Ø LEG .

		<b>CENTRAL TOWER, INC.</b> 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0695	
REVISIONS	BY	TITLE	PROJ. NO. AS REQ'D.
		STANDARD LIGHTING CONTROLLER BRACKET	APP. BY:
		SITE: AS REQ'D.	DRAWING NO:
		DESIGNED BY: R.E.H.	SCALE: NO
		DATE: 7-8-99	NAME: LB 1 1 M
		DISK NO: RED/21	LB 1 1 M

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



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

1. American Tower
2. APEX
3. Tritel Communications
4. Nextel Partners
5. Spectra Site
6. CommNet
7. GTE Mobilenet, Inc.
8. BellSouth Mobility, Inc.
9. BellSouth Wireless Cable, Inc.
10. NextelWave
11. Powertel Kentucky, Inc.
12. SBA
13. Sprint PCS

# COLLOCATION SITE STATEMENT CHECKLIST

Site #: KY 271      Site Name: Garrett      Candidate: A

---

Property Specialist: Scott A. Farr

C: Tower Type: S.S. Tower      Height: 300 ft.      Compound Size: 75 X 75  
Owner(s): Appalachian Cellular      Location: Garrett, KY

Reason(s) not suitable for Collocation:

The existing tower or facility is not of sufficient height to meet the applicant's engineering requirements.

The facility's compound is not sufficient in size to accommodate additional carriers.

The existing height of the facility is insufficient to meet radio propagation requirements for the proposed network.

The tower is more than two mile from the approximate center of the search ring.

Other: \_\_\_\_\_

---

Other: \_\_\_\_\_

---

Final

99-0-7534.KY.05  
Garrett Relo

Federal Aviation Administration  
Southern Region, ASO-520  
P.O. Box 20636  
Atlanta, GA 30320

AERONAUTICAL STUDY  
No: 99-ASO-1669-OE

ISSUED DATE: 05/26/99

SHIPPED JUN 10 1999 *JS*

ENTERED JUN 10 1999 *JS*

CHECKED JUN 10 1999 *JS*

RECEIVED  
JUN 10 1999  
BY:     KM    

DANNY BENNETT  
BELLSOUTH MOBILITY  
1650 LYNDON FARMS CT.  
LOUISVILLE, KY 40223

**\*\* 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:

Description: NEW ANTENNA TOWER-NEARBY SITE #98-7120, DNE.  
800-900 MHZ/300 WATTS, 6-11 GHZ/5 WATTS.  
Location: GARRETT KY  
Latitude: 37-29-09.45 NAD 83  
Longitude: 082-47-50.35  
Heights: 370 feet above ground level (AGL)  
1850 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 should be marked and/or lighted in accordance with FAA Advisory Circular 70/7460-1J, Obstruction Marking and Lighting, Chapters 4, 8(M-Dual), & 13.

-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:

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

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

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

This determination expires on 11/26/00 unless:

- (a) extended, revised or terminated by the issuing office or
- (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 on 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.

-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 this project. Failure to respond to periodic FAA inquiries could invalidate this determination.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, frequency(ies) or use of greater power will void this determination. Any future construction or alteration, including increase in 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, <sup>5351</sup> be of further assistance, please contact our office at 404-305-~~5614~~. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 99-ASO-1669-OE.

*Mary Z. Mc Burney*  
for Mary Z. Mc Burney  
Specialist, Airspace Branch

(DNE)

7460-2 Attached

# SUPPLEMENTAL NOTICE

Form Approved OMB No. 2120-0001

REMINDER: Complete Part 2 when structure reaches greatest height

OR

To report abandonment or dismantlement

Aeronautical Study No.

99-ASO-11669-DE



U.S. Department of Transportation  
Federal Aviation Administration

## Notice of Actual Construction or Alteration

(Please Type or Print on this Form)

### 1. Construction

A. Type and Description of Construction <input checked="" type="checkbox"/> New <input type="checkbox"/> Alteration	B. Owner of Structure BellSouth Mobility Inc
---	---

### 2. Construction Location — Height

A. Coordinates (To hundredths of seconds, if known) Latitude: 0. # # # # # Longitude: 0. # # # # #	B. Location (City, State, include street address if any) Garrett, Ky
C. Construction Heights Site Elevation: _____ Ft. AMSL Structure Height: _____ Ft. AGL Total Height (Structure & Site) Above Mean Sea Level: _____ Ft. AMSL	

D. Site Elevation Determined By: <input type="checkbox"/> Actual Survey <input type="checkbox"/> USGS 7.5' Quad Map <input type="checkbox"/> Other (Specify) _____	E. Reference datum of coordinates: <input type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input type="checkbox"/> Other (Specify) _____	F. Name of Nearest Public-Use or Military Airport (Include Distance and Direction from the Airport)
---	--	--

### 3. Construction Notifications

A. Notification (Notice is Critical to Flight Safety — FAR Part 77 Required) ★	Date	B. Construction/Project	Date
★ (1) Construction will start (Submit at least 48 hrs. in advance)		(1) Project Abandoned	
(2) Estimated Completion			
★ (3) Structure Reached Greatest Height (Submit within 5 days)		(2) Construction Dismantled	

### 4. Marking and Lighting

A. Marked <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Temporary	B. Lighted <input type="checkbox"/> Medium Intensity White <input type="checkbox"/> Dual (Medium Intensity White & Red) <input type="checkbox"/> High Intensity White <input type="checkbox"/> Dual (High Intensity White & Red) <input type="checkbox"/> Red <input type="checkbox"/> None
--	---

### 5. Antenna Requiring FCC License

A. Call Sign	B. Frequency	C. Date Applied for FCC Construction Permit	D. Date Construction Permit Issued
--------------	--------------	---	------------------------------------

### 6. Preparer's Certification

SUBMITTED BY: If submitted by a proponent's representative, please also complete item B.)	A. Proponent's Representative Name: Address:  Tel. No.: (Include Area Code)	B. Construction Proponent Name: Address:  Tel. No.: (Include Area Code)
	I hereby certify that the information provided is true, complete, and correct to the best of my knowledge.	
	Signature	Title

Notice is required by 14 Code of Federal Regulations, part 77 pursuant to 49 U.S.C., Section 44718. Persons who knowingly and willingly violate the notice requirements of part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to 49 U.S.C., Section 46301 (a).

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



**Kentucky Airport Zoning Commission**  
**125 Holmes Street**  
**Frankfort, KY 40622**

(502) 564-4480

fax: (502) 564-7953

No.: AS-036-7K0-99-071

July 9, 1999

**APPROVAL OF APPLICATION**

**APPLICANT:**

**BELLSOUTH MOBILITY**  
**DAN BENNETT, RF ENGINEER**  
**1650 LYNDON FARMS COURT**  
**Louisville, KY 40223**

**SUBJECT: AS-036-7K0-99-071**

**STRUCTURE: ANTENNA TOWER**  
**LOCATION: Garrett, KY**  
**COORDINATES: 37°29'09.45"N / 82°47'50.35"W**  
**HEIGHT: 370'AGL/1,850'AMSL**

The Kentucky Airport Zoning Commission has approved your application for a permit to construct (370'AGL/1,850'AMSL) ANTENNA TOWER near Garrett, KY 37°29'09"N, 82°47'50"W.

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

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

Dual obstruction lighting is required in accordance with 602 KAR,50:100..

Ronald Bland, Administrator



Kentucky Airport Zoning Commission  
125 Holmes Street  
Frankfort, KY 40622

(502) 564-4480  
fax (502) 564-7953  
No.: AS-036-7K0-99-071

CONSTRUCTION/ALTERATION STATUS REPORT

July 9, 1999

AERONAUTICAL STUDY NUMBER: AS-036-7K0-99-071  
BELLSOUTH MOBILITY  
DAN BENNETT, RF ENGINEER  
1650 LYNDON FARMS COURT  
Louisville, KY 40223

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on July 9, 1999. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to Ronald J. Bland, Administrator, Kentucky Airport Zoning Commission, 125 Holmes Street, Frankfort, Kentucky 40622. (502)564-4480.

STRUCTURE: ANTENNA TOWER  
LOCATION: Garrett, KY  
COORDINATES: 37°29'09.45"N / 82°47'50.35"W  
HEIGHT: 370' AGL/1,850' AMSL

CONSTRUCTION/ALTERATION STATUS

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

2. Construction status is as follows:

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

Date construction was completed \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information: \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





304 E. Court Avenue, Suite 1  
Jeffersonville, Indiana 47130  
Tel (812) 284-3942 Fax (812) 284-6173  
E-Mail [hagerty@igius.com](mailto:hagerty@igius.com)

September 23, 1999

Crown Communications  
11001 Bluegrass Parkway  
Suite 330  
Louisville, Kentucky 40299

Attention: Mr. Scott Farr

Dear Mr. Farr:

In response to your request for a stamp on the EST-GT Relocate geotechnical report, please be advised that I do not have a current rubber stamp in the office. My registration is up to date; however, for some reason, there was a delay when the state Board mailed out updated registration cards this year. Typically, we wait to get the card to order a new stamp from the printer. This year, we went ahead and ordered the stamp even though the new cards hadn't been mailed out, but it hasn't come in from the printer yet.

Sorry for the inconvenience.

Sincerely,  
**HAGERTY ENGINEERING, INC.**

A handwritten signature in black ink, appearing to read 'Peggy M. Hagerty', written over a horizontal line.

Margaret (Peggy) M. Hagerty, P.E.  
Registered Kentucky 18306

November 6, 1998

Mr. Larry Hester  
BellSouth Mobility, Inc.  
1650 Lyndon Farms Court  
Louisville, Kentucky 40223

**PROPOSED EST-GT TOWER  
Garrett, Kentucky  
HAEC Project No. 8G037**


Dear Larry:

We are pleased to present the attached geotechnical engineering report for the EST-GT tower project. Two copies of this report are being provided to you. One copy also has been provided to Nolan and Nolan Architects.

Our report includes the project information as provided to us, the results of our subsurface exploration, and our recommendations based on these data.

We appreciate the opportunity to provide these services. Please let us know if we can be of further assistance.

Sincerely,  
**HAGERTY ADKINSON ENGINEERING CONSULTANTS, INC.**



Peggy M. Hagerty, P.E.  
President  
Registered Kentucky 18306



Dr. D. Joseph Hagerty, P.E.  
Special Consultant  
Registered Kentucky 8264

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## SUMMARY

### I. Site Conditions

- A. Surface - medium grasses (less than 2 feet tall).
- B. Geology - Pennsylvanian-age interbedded shales and siltstones with a thin bed of micaceous sandstone
- C. Soils - mixed-texture mine refuse and rock fragments
- D. Depth to Rock - auger refusal was encountered at depths of 29.0 feet in the three borings advanced.

### II. Foundation Recommendations

#### Tower Foundation Design Parameters -

The tower should be supported by drilled piers socketed into the relatively continuous shale and siltstone or sandstone encountered on-site. The piers should be designed to be at least 6.0 feet in diameter and should be socketed at least 6.0 feet into the more continuous relatively unweathered rock encountered at about 15 to 18 feet. The piers should be designed using a value of side friction between rock and concrete of 5,000 pounds per square foot (psf) and a design end-bearing pressure of 15,000 psf.

#### Switchgear Building Design Parameters -

The building foundation should be designed as a continuous, soil-bearing footing. The footing should bear at a depth of at least 30 inches below final exterior grade and should be designed using a maximum allowable soil bearing pressure of 1,500 psf.

The entire contents of this report should be read and evaluated prior to utilization of the recommendations given above, in the preparation of design and construction documents.

## PROJECT INFORMATION

### Project Authorization

This report presents the results of the subsurface exploration and engineering evaluation for the proposed EST-GT antenna tower to be constructed for BellSouth Mobility, Inc., (BMI), in Garrett, Kentucky. Authorization to perform this exploration and evaluation was given

in the form of a request on a Site Data Report. Work performed on this project was executed in general accordance with HAEC Contract No. 97-003, dated May 9, 1997.

Project Description

According to the information provided by BMI, the proposed antenna will be mounted on a 250 feet high, metal, self-supporting tower. Power and switching equipment for the tower will be contained in a prefabricated switchgear building. Grading information was not available at the time of this study. However, it was assumed that the final exterior grade will be approximately equal to that of the existing ground surface elevation.

Loading information was assumed on the basis of previous evaluations of similar structures. Loads assumed to be utilized in analysis and design were as follows:

STRUCTURE	COMPRESSION LOAD	UPLIFT LOAD	LATERAL LOAD
TOWER	300 Kips	350 Kips	60 Kips
BUILDING	73 Kips	-----	-----

If any of the noted information is incorrect or has changed, please inform us so that we may amend the recommendations in this report, if appropriate or necessary.

Purpose and Scope of Services

The purpose of these activities was to evaluate the soil, rock, and groundwater conditions at the EST-GT tower site, and provide information regarding support conditions and site preparation concerns for the proposed on-site structure.

The scope of services included: a review of geologic maps of the area and in-house experience with local geologic conditions; site reconnaissance; subsurface exploration; appropriate laboratory testing; and engineering evaluation of the subsurface materials. The scope of services did not include an environmental assessment concerning the presence or absence of wetlands or of hazardous or toxic materials in the soil, rock, groundwater, or air either on, below, or around this site.

Three (3) borings were advanced in the tower area on-site. The locations of these borings are shown on the attached Boring Location Plan. This scope of work was discussed with Mr. Larry Hester, of BellSouth Mobility, and was approved prior to the start of field activities.

## **SITE AND SUBSURFACE CONDITIONS**

### Site Description and History

The proposed lease area was located near Garrett in Floyd County, Kentucky. The project area was occupied primarily by undeveloped tracts. The immediate project area was farmed until several years ago. The project site was bordered on all sides by vacant mine reclamation land. The site access road approached the site from the south.

The site to be leased by BELLSouth Mobility was a 100 feet by 100 feet tract. The project site was located on top of a ridge which ran between Goose Creek, on the southwest, and Gosling Branch, on the northeast. The topography on-site sloped gradually downward to the north. Beyond the immediate project vicinity, the ground surface sloped downward steeply in all directions except the northwest, where the ridge extended. Drainage on-site appeared to occur as sheet flow along the natural surface gradients. There were no obvious signs of persistent standing water on the project site.

According to the property owner, the project site was used for agricultural purposes until 1994. At that time, the site was strip-mined for about one year, after which the property underwent reclamation and restoration.

### Site Geology

According to the Wayland Quadrangle map, published by the United States Geologic Survey (USGS), the project site is underlain by the Breathitt formation. This formation is of Pennsylvanian geologic age and generally is composed of interbedded shale, siltstone, and sandstone with thin coal partings and stringers. The sandstone is light gray to gray and contains feldspar and quartz as well as minor mica and dark minerals. The shale is light to dark gray and is thinly to thickly bedded. The siltstone is medium to dark gray and is thinly laminated. The Peach Orchard coal zone runs through the Breathitt formation in this area.

### Subsurface Conditions

The site subsurface conditions were explored with three soil test borings drilled within the proposed construction area. Rock coring was performed in all three of the borings. The types

*EST-GT Tower  
Garrett, Kentucky  
November 6, 1998*

of foundation bearing materials encountered in the exploration have been classified visually and are described on the Boring Logs. Included on the Logs are Standard Penetration Resistance values, groundwater level readings, and descriptions of the strata penetrated. The number, depths, and locations of the borings were designed to provide information concerning subsurface conditions across the site. Borings were located in the field utilizing the site data package and standard taping procedures, and indicated locations are presumed to be accurate within a few feet. The boring locations are shown on the attached Boring Location Plan. Soil samples were sealed in sample jars to prevent moisture loss. Field testing was conducted in general accordance with ASTM standards and other industry-accepted methods.

A layer of topsoil was encountered at the ground surface in all three borings. That layer was about 0.2 thick; however, topsoil thicknesses may vary elsewhere on-site.

Beneath the topsoil, mine refuse materials were encountered. The materials included clay mixed with sandstone, shale, and siltstone fragments to boulders, as well as coal pieces. Standard penetration resistance values in the refuse materials were highly variable and typically were misleading as a result of the presence of the large fragments of rock. The refuse materials extended to auger refusal at depths of about 29.0 feet in all three borings.

Rock was cored below the depth of auger refusal in all three borings. In boring B-3, a layer of micaceous sandstone, about 2.0 feet thick, was encountered just beneath refusal. The sandstone was hard to very hard and coarse-grained. Immediately beneath auger refusal depths in borings B-1 and B-2, and below the sandstone in boring B-3, the rock was light gray to gray shale with interbedded siltstone and coal. The shale was thinly bedded, fissile, and moderately hard. The rock extended to boring termination at depths of 34.0 to 41.0 feet in the three borings.

#### Groundwater Information

Groundwater was not encountered in the borings and was not identified above the depth of auger refusal in either of the borings. Water is used in the coring process, so it was not possible to determine if significant groundwater was present in the rock layers explored. It should be noted that water was lost in the coring process, indicating that some voids may exist in the rock layers. Because of safety considerations, the holes were backfilled upon completion and no twenty-four-hour readings were taken. The absence of groundwater presented in this report was indicated by conditions measured at the time of our field activities. Fluctuations in groundwater level should be anticipated. It is possible that perched and/or trapped water is present on-site, within the rock layers or at the soil/rock interface. Volumes of such perched or trapped groundwater probably are limited.

### Soil Resistivity

Soil resistivity readings were obtained along two perpendicular axes. Resistivity was calculated using the Wenner 4-point array with an "A" spacing of 10 feet. The readings are considered normal for the type of conditions encountered. The resistivity results were as follows:

North - South Axis: 1134 ohm-cm  
East - West Axis: 1065 ohm-cm

## **EVALUATION AND RECOMMENDATIONS**

### Site Preparation Recommendations

To prepare the site for construction, the entire tower area should be stripped of all surficial materials. Stripping should extend to dimensions sufficient to allow adequate access to excavations for the foundation system and to allow progress of construction operations.

Most of the lease area will be used for the proposed foundations; therefore, proofrolling probably will not be required on this project site. If site grading plans change, and significant fill volumes will be placed on-site, the geotechnical engineer should be contacted so that she can provide proofrolling recommendations.

At this time, significant fill is not planned for the site. If earthwork plans change, controlled fill should be either well-graded aggregate, or low plasticity clay, or clean sand. Any clay fill soil should have a plasticity index less than 40, and a maximum dry density, as determined by the Standard Proctor test (ASTM D-698) of at least 100 pounds per cubic foot (pcf). Any fill material should be placed and compacted to at least 90% of the Standard Proctor maximum dry density of the material. In-place density tests may be performed to confirm that the desired density has been achieved.

### Foundation Recommendations

Based on the subsurface conditions encountered and the assumed loading information, the proposed tower should be supported by drilled piers socketed into the relatively sound and continuous shale and siltstone present under the project site. Such rock probably will be encountered at depths of about 30 feet below the existing ground surface. The piers should



be at least 6.0 feet in diameter and should be designed to be socketed into the rock at least 6.0 feet. If anchor bolt specifications require a diameter greater than 6 feet, the revised diameter should be provided to HAEC so that an appropriate socket length can be calculated. The socket and the pier should be designed using a value of side friction between rock and concrete of 5,000 psf and an end-bearing value on shale and siltstone of 15 kips per square foot. Reinforcing steel in the pier should be designed to resist the design lateral loads and overturning moment.

The switchgear building should be designed to be supported on a continuous, shallow footing bearing on the refuse materials encountered in the borings. The footing should be designed using a maximum net allowable soil bearing pressure of 1,500 psf. (This design bearing pressure was formulated using a predicted maximum total settlement of not more than 1 inch). In general, the foundation should be designed to bear on refuse materials at a depth of 30 inches below the final exterior grade.

The geotechnical engineer should be present to confirm that bearing materials are suitable and that the foundation design specifications have been achieved in the field.

### **CONSTRUCTION CONSIDERATIONS**

Construction of the foundation will require special considerations and planning. Such considerations are given in the following paragraphs. The geotechnical engineer should be present at the time of construction to confirm the presence of appropriate support conditions.

Dry auger methods probably can be used to construct the drilled pier foundation. The concrete slump should be 5 to 7 inches to allow coverage of the reinforcing steel, and the final concrete volume should be monitored to confirm that no inclusions were generated during concrete placement.

If water is present in the pier excavation, dewatering should be conducted while the excavation is open. The water depth in the bottom of the excavation should not exceed 2 inches just prior to concrete placement. If dewatering to such a level cannot be accomplished, the water in the excavation should be allowed to attain a static level. Then, concrete should be pumped or tremied to the bottom of the shaft excavation. As concrete placement continues, the tremie or pump head should be raised up through the excavation. At least 5 feet of embedment of the tremie or head into the concrete should be maintained at all times. Concrete for the pier should be placed the same day as pier excavation is completed.

*EST-GT Tower  
Garrett, Kentucky  
November 6, 1998*

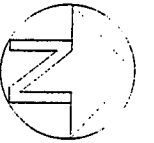
The excavations for the building foundation should be observed by the geotechnical engineer to confirm the presence of suitable conditions. If the exposed materials are significantly deleterious, overexcavation should be conducted until suitable materials are encountered. All significant occurrences of loose material and debris should be cleaned from the excavation prior to concrete placement. Since the soils encountered on-site are susceptible to degradation if exposed to the elements for any significant time period, concrete should be placed the same day excavation occurs. If concrete placement cannot take place the same day, a mud mat of lean concrete can be placed on the same day to prevent degradation of the subgrade. If a mud mat is not placed, the geotechnical engineer should observe the subgrade just prior to concrete placement to determine whether degraded soils must be removed from the subgrade surface.

### **REPORT LIMITATIONS**

The recommendations submitted for the proposed project are based on the available soil information obtained, and design details furnished by Mr. Larry Hester, representing BellSouth Mobility, Inc., and by Mr. Bill Grigsby, of Nolan and Nolan Architects. If there are any revisions to the plans for this project or if deviations from the noted subsurface conditions are encountered during construction, the geotechnical engineer should be notified immediately to determine if changes in the foundation or other recommendations are required.

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

After the plans and specifications are more complete, they should be reviewed by the geotechnical engineer to affirm proper incorporation of the report recommendations into the design documents. At that time, it may be necessary to submit supplemental recommendations. This report has been prepared for the exclusive use of BellSouth Mobility, Inc., for specific application to the proposed EST-GT antenna tower project at the described location.



Wooded  
Undeveloped  
Area

DOWN →

← DOWN

Old Dirt Road

Steep Valley

← DOWN

Grass-covered Reclaimed  
Stripmine Area

**SUBJECT  
SITE**  
B10  
B22  
B3  
100'  
100'

Old Dirt Road

DOWN →

Access Road

DOWN →

Wooded  
Undeveloped  
Area

KY 680

Boring Location Plan  
Proposed Eastern-Garrett Tower Site  
BellSouth Mobility, Inc.  
Garrett, Kentucky

11-5-98

Drawn By: MJH

Scale: NTS

Checked By: PHA



**HAAGERTY**  
A D K I N S O N  
Engineering Consultants

HAGERTY  
ADKINSON  
Engineering Consultants

304 E. Court Avenue, Suite 1  
Jeffersonville, Indiana 47130  
Tel. (812) 284-3942  
Fax(812) 284-5784

**BORING LOG**

**BORING #:** B-1

**PROJECT:** EST-GT TOWER

**DATE:** 10/15/98

**PROJECT NO.:** 8G037

**LOCATION:** GARRETT, KY

DESCRIPTION	N	Mc	Sample	Remarks
Surface Elevation - Not Provided				
TOPSOIL	19		0-1.5'	<i>No Groundwater Encountered</i>
CLAY, silty, brown, with SHALE, SANDSTONE, and SILTSTONE fragments to boulders (MINE REFUSE)	36		1.5-3.0	
	10		4.0-5.5	
	15		6.5-8.0	
	13		9.0-10.5	
	4		14.0-15.5	
	18		19.0-20.5	
	11		24.0-25.5	
Auger Refusal				
Began Coring				

0  
0.2'

29.0'

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**BORING LOG**

**BORING #:** B-1  
(CONT'D.)  
**DATE:** 10/15/98

**PROJECT:** EST-GT TOWER  
**PROJECT NO.:** 8G037  
**LOCATION:** GARRETT, KY

DESCRIPTION	N	Mc	Sample	Remarks
30.0' SHALE, gray, fissile, hard, with interbedded SILTSTONE, gray, micaceous, relatively sound and continuous 34.0'			29.0- 34.0	<i>Recovery - 96%</i> <i>RQD - 68%</i>
BORING TERMINATED				

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**BORING LOG**

**BORING #:** B-2

**PROJECT:** EST-GT TOWER

**DATE:** 10/16/98

**PROJECT NO.:** 8G037

**LOCATION:** GARRETT, KY

DESCRIPTION	N	Mc	Sample	Remarks
Surface Elevation - Not Provided				
0 0.2'				
TOPSOIL	27		0-1.5'	<i>No Groundwater Encountered</i>
CLAY, silty, brown, with SHALE, SAND- STONE, and SILTSTONE fragments to boulders (MINE REFUSE)	9		1.5-3.0	
	9		4.0-5.5	
	15		6.5-8.0	
	12		9.0- 10.5	
	8		14.0- 15.5	
	12		19.0- 20.5	
	35		24.0- 25.5	
Auger Refusal				
29.0'				
Began Coring				

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## BORING LOG

BORING #: B-2  
(CONT'D.)  
DATE: 10/16/98

PROJECT: EST-GT TOWER  
PROJECT NO.: 8G037  
LOCATION: GARRETT, KY

	DESCRIPTION	N	Mc	Sample	Remarks
30.0'					
	SHALE, gray, fissile, hard, with interbedded SILTSTONE, gray, micaceous, relatively sound and continuous			29.0-31.0	Recovery - 50% RQD - 60%
				31.0-41.0	Recovery - 90% RQD - 55%
41.0'	BORING TERMINATED				

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**BORING LOG**

**BORING #:** B-3  
**DATE:** 10/19/98

**PROJECT:** EST-GT TOWER  
**PROJECT NO.:** 8G037  
**LOCATION:** GARRETT, KY

DESCRIPTION	N	Mc	Sample	Remarks
Surface Elevation - Not Provided				
0 0.2'				
TOPSOIL	14		0-1.5'	<i>No Groundwater Encountered</i>
CLAY, silty, brown, with SHALE, SANDSTONE, and SILTSTONE fragments to boulders (MINE REFUSE)	19		1.5-3.0	
	14		4.0-5.5	
	17		6.5-8.0	
	19		9.0-10.5	
	24		14.0-15.5	
	6		19.0-20.5	
	13		24.0-25.5	
Auger Refusal				
29.0'				
Began Coring				



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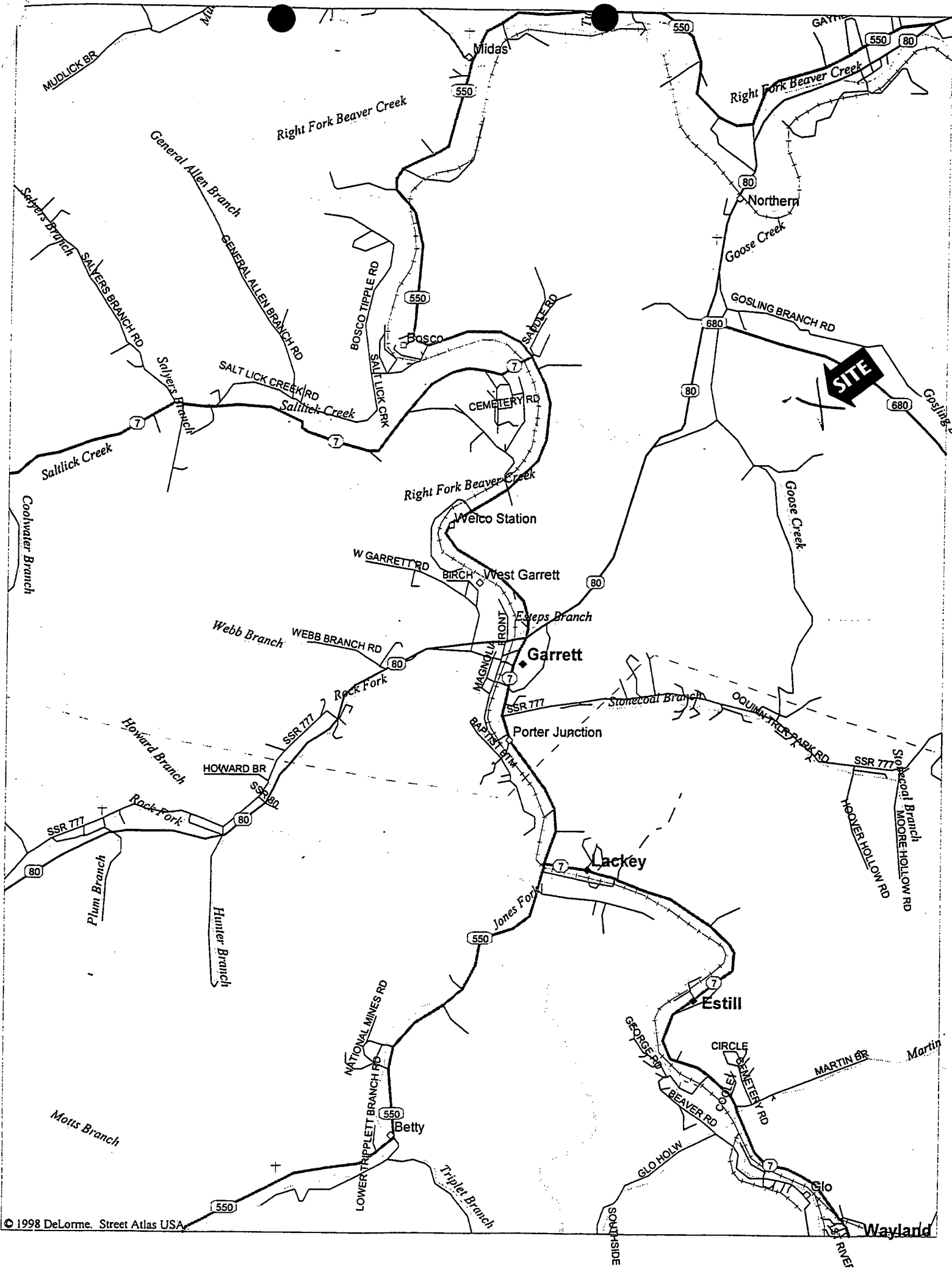
**BORING LOG**

BORING #: B-3  
(CONT'D.)  
DATE: 10/19/98

PROJECT: EST-GT TOWER  
PROJECT NO.: 8G037  
LOCATION: GARRETT, KY

	DESCRIPTION	N	Mc	Sample	Remarks
30.0'					
32.0'	SANDSTONE, silty, light gray, micaceous, hard to very hard, relatively sound and continuous			29.0-34.0	Recovery - 96% RQD - 68%
34.0'	SHALE, gray, clayey to silty, hard, fissile, thinly bedded, relatively continuous				
	BORING TERMINATED				





**EXHIBIT J**  
**COPY OF REAL ESTATE AGREEMENT**

Garrett

EST-GT2

**OPTION AND LEASE AGREEMENT**

This Agreement, made this 19<sup>th</sup> day of June, 1998 between Lafayette & Erma Gayheart, hereinafter designated LESSOR and BELLSOUTH MOBILITY INC, hereinafter designated TENANT.

**RECITALS:**

LESSOR is the owner of certain real property located in \_\_\_\_\_ in Floyd County, State of Kentucky, and TENANT desires to obtain an Option to lease a portion of said real property containing approximately 10,000 square feet together with a right of way for access thereto (said leased parcel and right of way hereinafter called "Property"). The Property is more specifically described in and substantially shown outlined in red on Exhibit "A" attached hereto and made a part hereof.

NOW THEREFORE, in consideration of a sum of Seven Hundred Fifty Dollars (\$ 750 .00), hereinafter referred to as "Option Money," to be paid by TENANT to the LESSOR, which TENANT will provide upon its execution of this Agreement, the LESSOR hereby grants to TENANT the right and Option to lease said real property including a right of way for access thereto for the term and in accordance with the covenants and conditions set forth herein.

The Option may be exercised at any time on or prior to June 19, 1999.

At TENANT's election, and upon TENANT's prior written notification to LESSOR, the time during which the Option may be exercised may be further extended for one additional period of six (6) months, through and including December 19, 1999 with an additional payment of Five Hundred Dollars (\$ 500 .00) by TENANT to LESSOR for the Option Period so extended. The time during which the Option may be exercised may be further extended by mutual agreement in writing. If during said Option Period, or during the term of the lease, the LESSOR decides to subdivide, sell or change the status of the Property or LESSOR's property contiguous thereto, LESSOR shall immediately notify TENANT in writing so that TENANT can take steps necessary to protect TENANT's interest in the Property.

LESSOR covenants that LESSOR is seized of good and sufficient title and interest to the Property and has full authority to enter into and execute this Agreement. LESSOR further covenants that there are no other liens, judgments, or impediments of title on the Property.

This Option may not be sold, assigned, or transferred, at any time except to TENANT's principal, affiliates or subsidiaries of its principal. As to other parties, this Option may not be sold, assigned or transferred without the written consent of the LESSOR, such consent not to be unreasonably withheld.

Should TENANT fail to exercise this Option or any extension thereof within the time herein limited, all rights and privileges granted hereunder shall be deemed completely

L.G.  
S.H.

surrendered, this Option terminated, and LESSOR shall retain all money paid for the Option, and no additional money shall be payable by either party to the other.

The LESSOR shall permit TENANT during the Option Period, free ingress and egress to the Property to conduct such surveys, structural strength analysis, subsurface boring tests and other activities of similar nature, as TENANT may deem necessary, at the sole cost of TENANT.

Notice of the exercise of the Option shall be given by TENANT to the LESSOR in writing by certified mail, return receipt requested. Notice shall be deemed effective on the date it is posted. On the date of such notice the following Agreement shall take effect:

### LEASE AGREEMENT

1. LESSOR hereby leases to TENANT that certain parcel of real Property, containing approximately 10,000 square feet, situated in Floyd County, State of Kentucky, together with the nonexclusive right for ingress and egress, seven (7) days a week, twenty-four (24) hours a day, on foot or motor vehicle, including trucks, and for the installation and maintenance of utility wires, cables, conduits and pipes over, under or along a twenty foot (20') wide right of way extending from the nearest public right of way  Hwy 680 , to the leased parcel, said parcel and right of way for access being substantially as described herein Exhibit "A" and as shown enclosed within red lines on Exhibit "A" attached hereto and made a part hereof. Said leased parcel and right of way for access shall be hereinafter referred to as "Property." LESSOR shall cooperate with TENANT in TENANT's effort to obtain utility services along said right of way by signing such documents or easements as may be required by said utility companies. In the event any public utility is unable to use the aforementioned right of way, the LESSOR hereby agrees to grant an additional right of way either to the TENANT or to the public utility at no cost to the TENANT.

2. LESSOR also hereby grants to TENANT the right to survey said Property, and the legal description on said survey shall then become Exhibit "B," which shall be attached hereto and made a part hereof, and shall control in the event of discrepancies between it and Exhibit "A." LESSOR grants TENANT the right to take measurements, make calculations, and to note other structures, setbacks, uses, or other information as deemed by TENANT to be relevant and pertinent as such information relates to LESSOR's real property, leased or otherwise abutting or surrounding the Property. Cost for such survey work shall be borne by the TENANT.

3. This Agreement shall be for an initial term of five (5) years beginning on the date the Option is exercised by TENANT at an annual rental payment of Thirty Six Hundred Dollars (\$ 3600 .00) to be paid in equal monthly installments on the first day of the month, in advance, to Layoyette Gayheart or to such other person, firm or place as the LESSOR may, from time to time, designate in writing at least thirty (30) days in advance of any rental payment date.

4. TENANT shall have the Option to extend this lease for four (4) additional five (5) year terms by giving the LESSOR written notice of its intention to do so at least six (6) months prior to the end of the then current term.

5. The annual rental for the first (1st) five (5) year extension term shall be increased to Thirty Nine Hundred & Sixty Dollars (\$3960.00); the second (2nd) five (5) year extension term shall be increased to Forty Three Hundred & Fifty Six Dollars (\$4356.00); the third (3rd) five (5) year extension term shall be increased to Forty Seven Hundred & Ninety One Dollars (\$4791.00); and the fourth (4th) five (5) year extension term shall be increased to Fifty Two Hundred & Seventy Dollars (\$5270.00).

6. If at the end of the fourth (4th) five (5) year extension term this Agreement has not been terminated by either party by giving to the other written notice of an intention to terminate it at least six (6) months prior to the end of such term, this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of one (1) year, and for the annual terms thereafter until terminated by either party by giving to the other written notice of its intention to so terminate at least six (6) months prior to the end of such term. Monthly rental for this period shall be equal to the rent paid for the last month of the fourth (4th) five (5) year extension.

7. TENANT shall use the Property for the purpose of constructing, maintaining and operating a Communications Facility and uses incidental thereto, consisting of a Building or Buildings as necessary now or in the future to shelter telecommunications and related office space, a free standing monopole or three-sided antenna structure of sufficient height now or in the future to meet TENANT's telecommunication needs and all necessary appurtenances, a security fence consisting of a chain-link construction or similar but comparable construction may at the option of TENANT be placed around the perimeter of the property (not including the access easement). All improvements shall be at TENANT's expense. LESSOR grants TENANT the right to use adjoining and adjacent land as is reasonably required during construction, installation, maintenance, and operation of the communications facility. TENANT will maintain the Property in a reasonable condition. It is understood and agreed that TENANT's ability to use the Property is contingent upon its obtaining, after the execution date of this agreement, all of the certificates, permits and other approvals that may be required by any federal, state or local authorities. LESSOR shall cooperate with TENANT in its effort to obtain such approvals and shall take no action which would adversely affect the status of the Property with respect to the proposed use thereof by TENANT. LESSOR agrees to sign such papers as required to file applications with the appropriate zoning authority and/or commission for the proper zoning of the property as required for the use intended by the TENANT. TENANT will perform all other acts and bear expenses associated with the rezoning procedure. LESSOR agrees not to register any written or verbal opposition to the rezoning procedures. In the event TENANT is unable to use the leased parcel and/or access easement to the leased parcel due to imposed zoning conditions or requirements, LESSOR hereby grants to TENANT the right to modify Exhibit "A" in order to satisfy any imposed zoning conditions or requirements. In the event that any of such applications should be finally rejected or any certificate, permit, license or approval issued to TENANT is canceled, expires, lapses, or is otherwise withdrawn or terminated by governmental authority or soil boring tests or radio

frequency propagation tests are found to be unsatisfactory so that TENANT, in its sole discretion, will be unable to use the Property for its intended purposes, TENANT shall have the right to terminate this Agreement. Notice of the TENANT's exercise of its right to terminate shall be given to LESSOR in writing by certified mail, return receipt requested, and shall be effective upon receipt of such notice by the LESSOR as evidenced by the return receipt. All rentals paid to said termination date shall be retained by the LESSOR. Upon such termination, this Agreement shall become null and void and all the parties shall have no further obligations, including the payment of money, to each other.

8. TENANT shall indemnify and hold LESSOR harmless against any claim of liability or loss from personal injury or property damage resulting from or arising out of the use and occupancy of the Property by the TENANT, its servants or agents, excepting, however, such claims or damages as may be due to or caused by the acts of the LESSOR, or its servants or agents.

9. LESSOR agrees that TENANT may self-insure against any loss or damage which could be covered by a comprehensive general public liability insurance policy.

10. TENANT will be responsible for making any necessary returns for and paying any and all Property taxes separately levied or assessed against its improvements on the Property. TENANT shall reimburse LESSOR as additional rent for any increase in real estate taxes levied against the leased Property which are directly attributable to the improvements constructed by TENANT and are not separately levied or assessed against TENANT's improvements by the taxing authorities.

11. TENANT upon termination of this Agreement, shall within a reasonable period, remove its real and personal property and fixtures and restore the property to its original above grade condition, reasonable wear and tear excepted. At LESSOR's option, when this Agreement is terminated and upon LESSOR's advance written notice to TENANT, TENANT will leave the foundation and security fence to become the property of the LESSOR. If such time for removal causes TENANT to remain on the Property after the termination of this Agreement, TENANT shall pay rent at the then existing monthly rate or on the existing monthly pro-rata basis if based upon a longer payment term, until such time as the removal of personal property and fixtures are completed.

12. Should the LESSOR, at any time during the term of this Agreement, decide to sell all or any part of his real property which includes the parcel of property leased by TENANT herein and/or the right of way thereto to a purchaser other than TENANT, such sale shall be under and subject to this Lease Agreement and TENANT's right hereunder. LESSOR agrees not to sell, lease or use any other areas of the larger parcel upon which Property is situated for the placement of other communications facilities if, in TENANT's sole judgment, such installation would interfere with the facilities in use by TENANT.

13. LESSOR covenants that TENANT, on paying the rent and performing the covenants shall peaceably and quietly have, hold and enjoy the Property.



14. LESSOR covenants that LESSOR is seized of good and sufficient title and interest to the Property and has full authority to enter into and execute this Agreement. LESSOR further covenants that there are no other liens, judgments or impediments of title on the Property.

15. It is agreed and understood that this Agreement contains all agreements, promises and understandings between the LESSOR and TENANT and that no verbal or oral agreement, promises or understandings shall be binding upon either the LESSOR or TENANT in any dispute, controversy, or proceeding at law, and any addition, variation or modification to this Agreement shall be void and ineffective unless made in writing and signed by the parties.

16. This Lease Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the State of Kentucky.

17 This lease may not be sold, assigned, or transferred at any time except to TENANT's principal affiliates or subsidiaries of its principal or to any company upon which TENANT is merged or consolidated. As to other parties, this Lease may not be sold, assigned or transferred without the written consent of the LESSOR, such consent not to be unreasonably withheld. TENANT may sublease this Lease upon notice to LESSOR.

18 All notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested, addressed as follows (or any other address that the party to be notified may have designated to the sender by like notice):

TENANT: BellSouth Mobility Inc  
1650 Lyndon Farms Court  
Louisville, KY 40223  
Attn: Real Estate Manager

LESSOR: Loy Payette & Erma Gayheart  
P.O. Box 202  
Eastern, Ky 41622

19. This Agreement shall extend to and bind the heirs, personal representatives, successors and assigns of the parties hereto.

20. At LESSOR's option, this Agreement shall be subordinate to any mortgage by LESSOR which from time to time may encumber all or part of the Property or right of way; provided, however, every such mortgage shall recognize the validity of this Agreement in the event of a foreclosure of LESSOR's interest and also TENANT's right to remain in occupancy of and have access to the Building as long as TENANT is not in default of this Agreement. TENANT shall execute in a timely manner whatever instruments as may reasonably be required to evidence this subordination clause. In the event the leased Property is encumbered by a mortgage, the LESSOR, no later than ten (10) days after this lease is exercised, shall have obtained and furnished to TENANT a non-disturbance instrument in recordable form for each such mortgage.

L. G. E. G.

21. If the whole of the leased premises or such portion thereof as will make the premises unusable for the purposes herein lease, are condemned by any legally constituted authority for any public use or purpose, then in either of said events the term hereby granted shall cease from the time when possession thereof is taken by public authorities, and rental shall be accounted for as between LESSOR and TENANT as of that date. TENANT shall remove all of its equipment within 60 days from the receipt of notification of condemnation from the condemning authority. Any lesser condemnation shall in no way affect the respective rights and obligations of LESSOR and TENANT hereunder. Nothing in this provision shall be construed to limit or affect TENANT's right to an award of compensation of any eminent domain proceeding for the taking of TENANT's leasehold interest hereunder.

22. TENANT, at TENANT's option, may obtain title insurance on the space leased herein. LESSOR, at LESSOR's expense, shall cooperate with TENANT's efforts to obtain such title insurance policy by executing documents or obtaining requested documentation as required by the title insurance company. At TENANT's option, should the LESSOR fail to provide requested documentation within thirty (30) days of TENANT's request, or fail to provide the Non-Disturbance instrument(s) as noted in Paragraph 20 of this Agreement, TENANT may withhold and accrue the monthly rental until such time as the requested document(s) is (are) received.

23. LESSOR shall hold TENANT harmless from and indemnify TENANT against and from any damage, loss, expenses or liability resulting from the discovery by any person of hazardous substances generated, stored, disposed of, or transported to or over Property, as long as such substance was not stored, disposed of, or transported to or over the Property by TENANT, its agents, contractors, employees, or invitees. TENANT will be responsible for any and all damages, losses, and expenses and will indemnify LESSOR against and from any discovery by any persons of hazardous wastes generated, stored, or disposed of as a result of TENANT's equipment and uses of the aforementioned Property.

(Remainder of Page Intentionally Left Blank)

L B E. B

IN WITNESS WHEREOF, the parties hereto have set their hands and affixed their respective seals the day and year first above written.

Signed, sealed and delivered in the presence of:

*Paul All*  
WITNESS

*Mark Lockwell*  
WITNESS

*Bob Sam*  
NOTARY PUBLIC 9-29-98

LESSOR:

*Lafayette Gayheart* (Seal)

*Erma Gayheart* (Seal)

Signed, sealed and delivered in the presence of:

*Beverly Platt*  
WITNESS

*Kimberly Mackey*  
WITNESS

*Becky M. Robinson*  
NOTARY PUBLIC

TENANT:

BELLSOUTH MOBILITY INC

*M. Doll*

BY:

TITLE: Reg. VP & Gen. Mgr.-Kentucky

(CORPORATE SEAL)

My Commission Expires Mar. 14, 1999



**CERTIFICATION OF NOTIFICATION LIST - EXHIBIT K**

PSC CASE NO: 99-334

CROWN REFERENCE: KY 271 GARRETT

1)

LaFayette and Erma Gayheart  
P.O. Box 202  
Eastern, KY 41622

2)

Elkhorn Coal Corp.  
415 South Lake Dr.  
Prestonburg, KY 41653

3)

George Ousley and Peggy Hoover  
P.O. Box 29  
Eastern, KY 41622

4)

Appalachian Land Co.  
452 Town Mountain Road  
Pikeville, KY 41501

5)

Hon. Paul Thompson  
County Judge Executive  
Floyd County  
34 South Central Avenue  
Floyd County Court House  
Prestonburg, KY41653

**EXHIBIT L**  
**COPY OF PROPERTY OWNER NOTIFICATION**

September 28, 1999

LaFayette and Erma Gayheart  
P.O. Box 202  
Eastern, KY 41622

RE: Public Notice - Public Service Commission of Kentucky  
Case No.: 99-334  
Our Site No: KY 271- Garrett

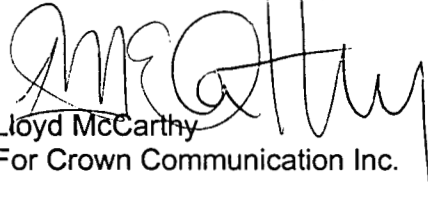
Dear LaFayette and Erma:

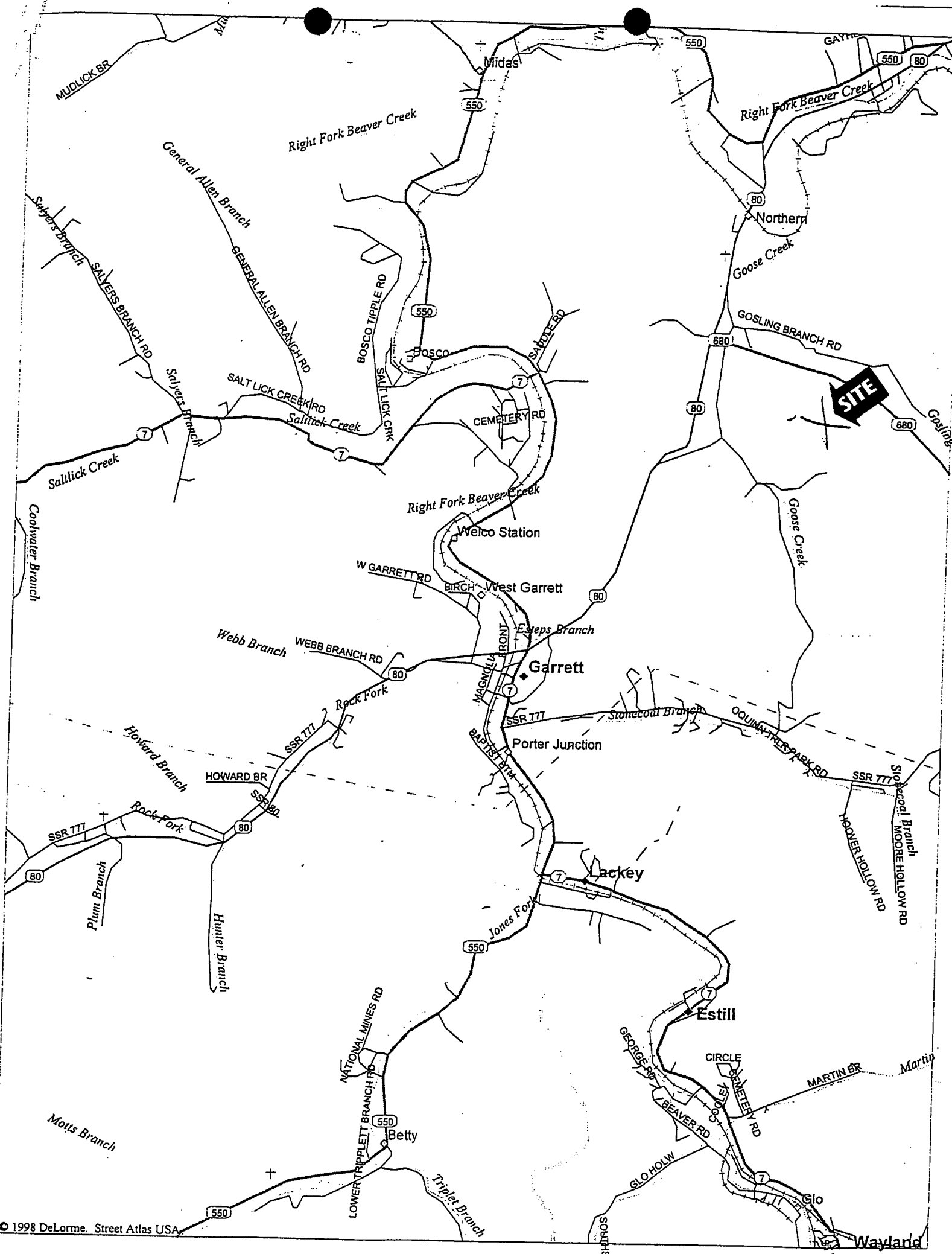
Crown Communication Inc. and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility, Inc., have applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350 foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at Eastern Garrett, New Highway 680, Garrett, Kentucky 42630. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No: 99-334 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52, if you have any questions.

Sincerely,  
CROWN COMMUNICATION INC.

  
Lloyd McCarthy  
For Crown Communication Inc.





September 28, 1999

Elkhorn Coal Corp.  
415 South Lake Dr.  
Prestonburg, KY 41653

RE: Public Notice - Public Service Commission of Kentucky  
Case No.: 99-334  
Our Site No: KY 271- Garrett

Dear Sir or Madam:

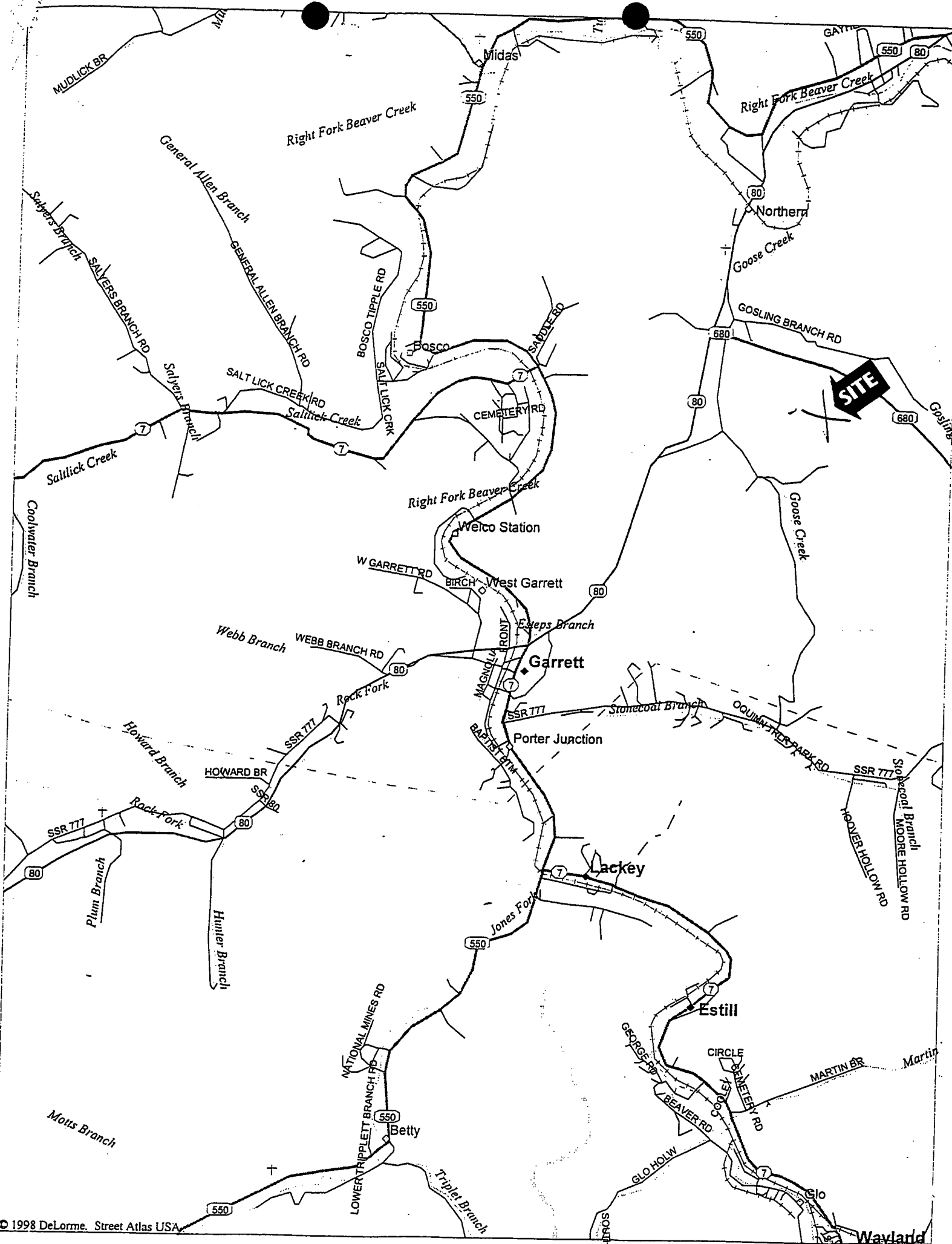
Crown Communication Inc. and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility, Inc., have applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350 foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at Eastern Garrett, New Highway 680, Garrett, Kentucky 42630. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No: 99-334 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52, if you have any questions.

Sincerely,  
CROWN COMMUNICATION INC.

  
Lloyd McCarthy  
For Crown Communication Inc.



September 28 1999

George Ousley and Peggy Hoover  
P.O. Box 29  
Eastern, KY 41622

RE: Public Notice - Public Service Commission of Kentucky  
Case No.: 99-334  
Our Site No: KY 271- Garrett

Dear George and Peggy:

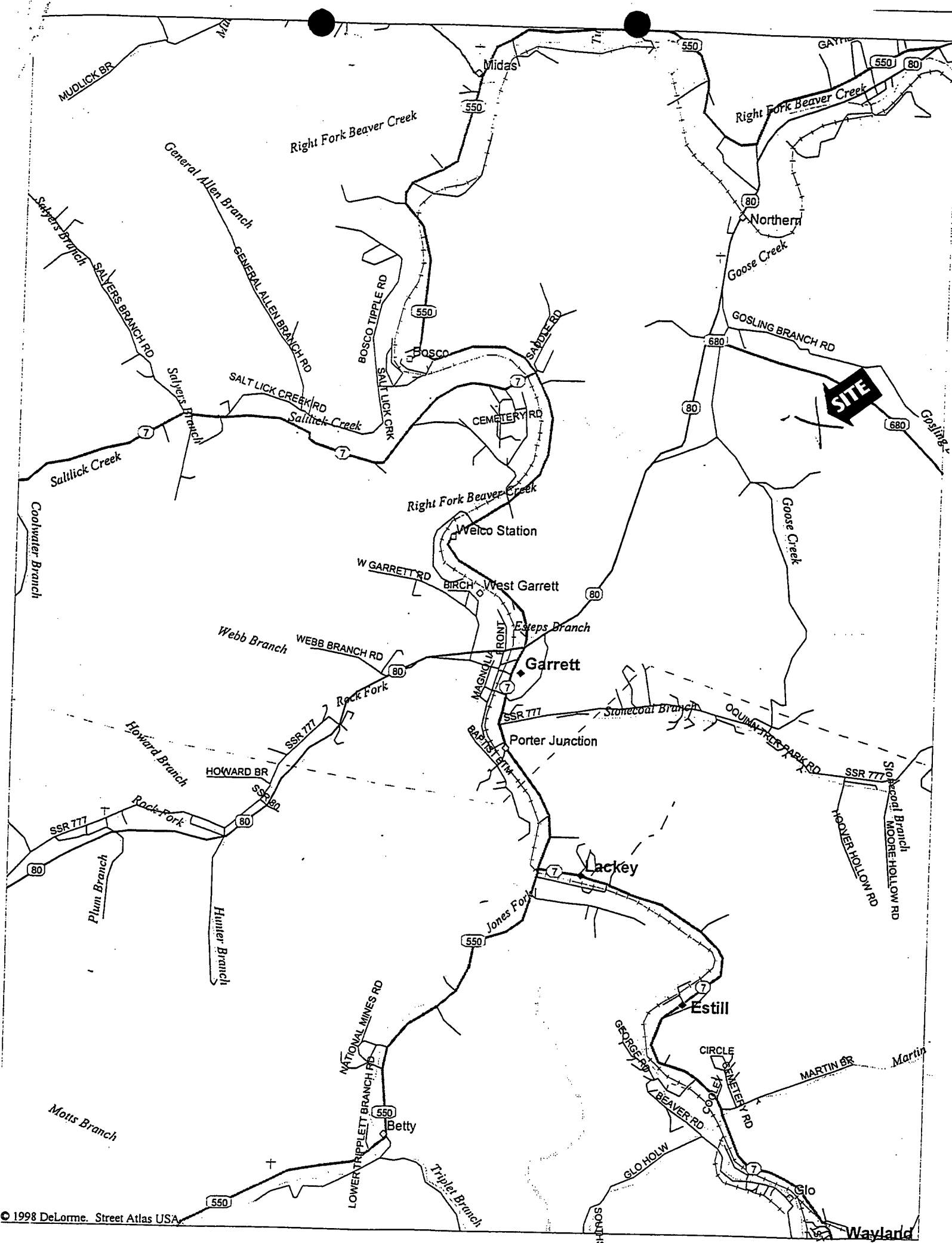
Crown Communication Inc. and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility, Inc., have applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350 foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at Eastern Garrett, New Highway 680, Garrett, Kentucky 42630. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No: 99-334 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52, if you have any questions.

Sincerely,  
CROWN COMMUNICATION INC.

  
Lloyd McCarthy  
For Crown Communication Inc.



**SITE**

September 28, 1999

Appalachian Land Co.  
452 Town Mountain Road  
Pikeville, KY 41501

RE: Public Notice - Public Service Commission of Kentucky  
Case No.: 99-334  
Our Site No: KY 271- Garrett

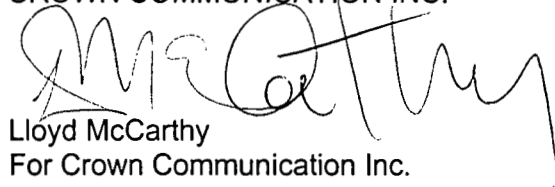
Dear Sir or Madam:

Crown Communication Inc. and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility, Inc., have applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350 foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at Eastern Garrett, New Highway 680, Garrett, Kentucky 42630. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

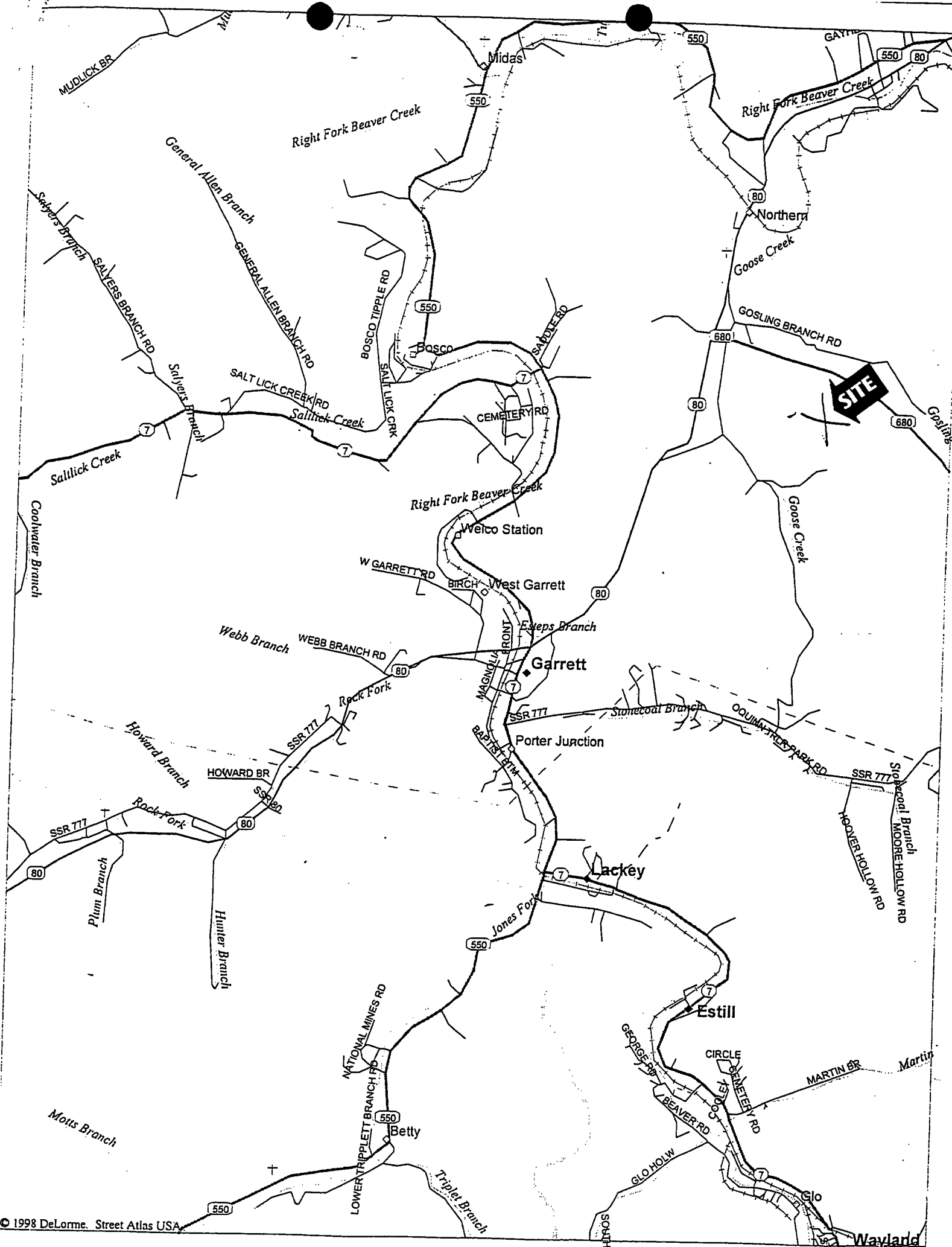
The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the Commission must be received by the Commission within 20 days of the date of this letter. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No: 99-334 in your correspondence.

Feel free to contact me at (502) 240-0044 ext. 52, if you have any questions.

Sincerely,  
CROWN COMMUNICATION INC.



Lloyd McCarthy  
For Crown Communication Inc.



**EXHIBIT M**  
**COPY OF JUDGE EXECUTIVE NOTICE**

September 28 , 1999

Hon. Paul Thompson  
County Judge Executive  
Floyd County  
34 South Central Avenue  
Floyd County Court House  
Prestonburg, KY 41653

RE: Public Notice - Public Service Commission of Kentucky  
Case No.: 99-334  
Our Site No: KY 271- Garrett

Honorable Judge Thompson:

Crown Communication Inc. and Westel-Milwaukee Company, Inc., d/b/a BellSouth Mobility, INC., have applied to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 350 foot tower with appurtenances attached to a maximum height of 375 feet, and a ground level equipment shelter to be located at Eastern Garrett, New Highway 680, Garrett, Kentucky 42630. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. A map showing the location of the proposed new facility is enclosed. This notice is being sent to you in your capacity as County Judge Executive of Floyd County.

Crown Communication Inc. and the Kentucky Public Service Commission welcomes your comments regarding the proposed construction. You also have the right to intervene in this matter. The Commission within 20 days of the date of this letter must receive your initial communication to the Commission. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, Post Office Box 615, Frankfort, Kentucky 40602. Please refer to Case No: 99-334 in your correspondence.

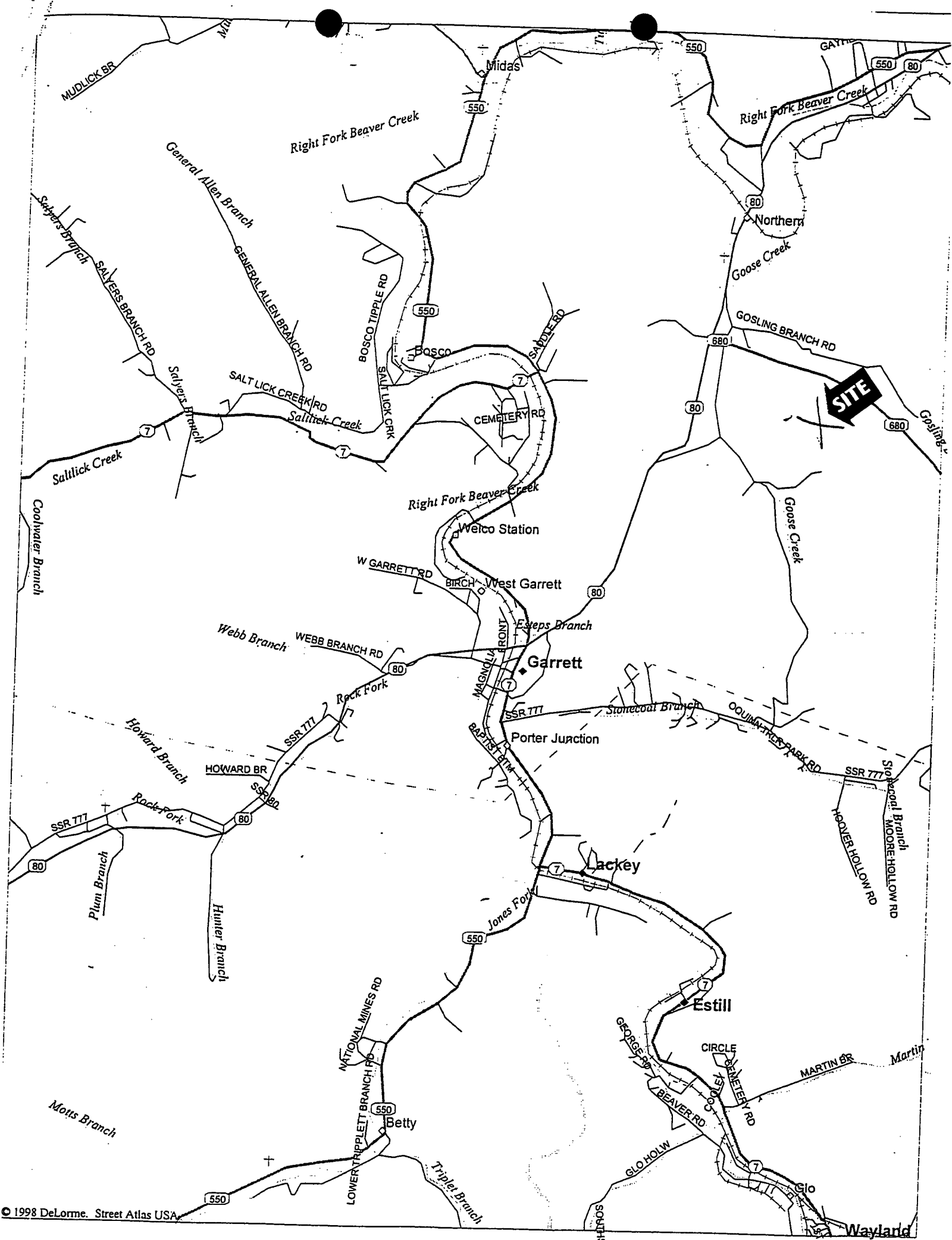
It is our understanding that the site is not zoned and the County has not adopted Ordinances for the regulation of cellular towers; however, we welcome the opportunity to answer any questions you might have.

Feel free to contact me at (502) 240-0044 ext. 52, if you have any questions.

Sincerely,  
CROWN COMMUNICATION INC.

  
Lloyd McCarthy  
For Crown Communication Inc.





**EXHIBIT N**  
**COPY OF POSTING NOTICES**

## Copies of Posting Notices

Crown Communication, Inc proposes to construct a

### **TELECOMMUNICATIONS TOWER**

on this site. If you have questions, please contact the General Manager, Crown Communication, Inc., 11001 Bluegrass Parkway, Suite 330, Louisville, KY 40299, (502) 240-0044 or the Executive Director, Public Service Commission, 730 Schenkel Lane, P.O. Box 615, Frankfort, KY 40602.

Please refer to Case # 99-334 in your correspondence.

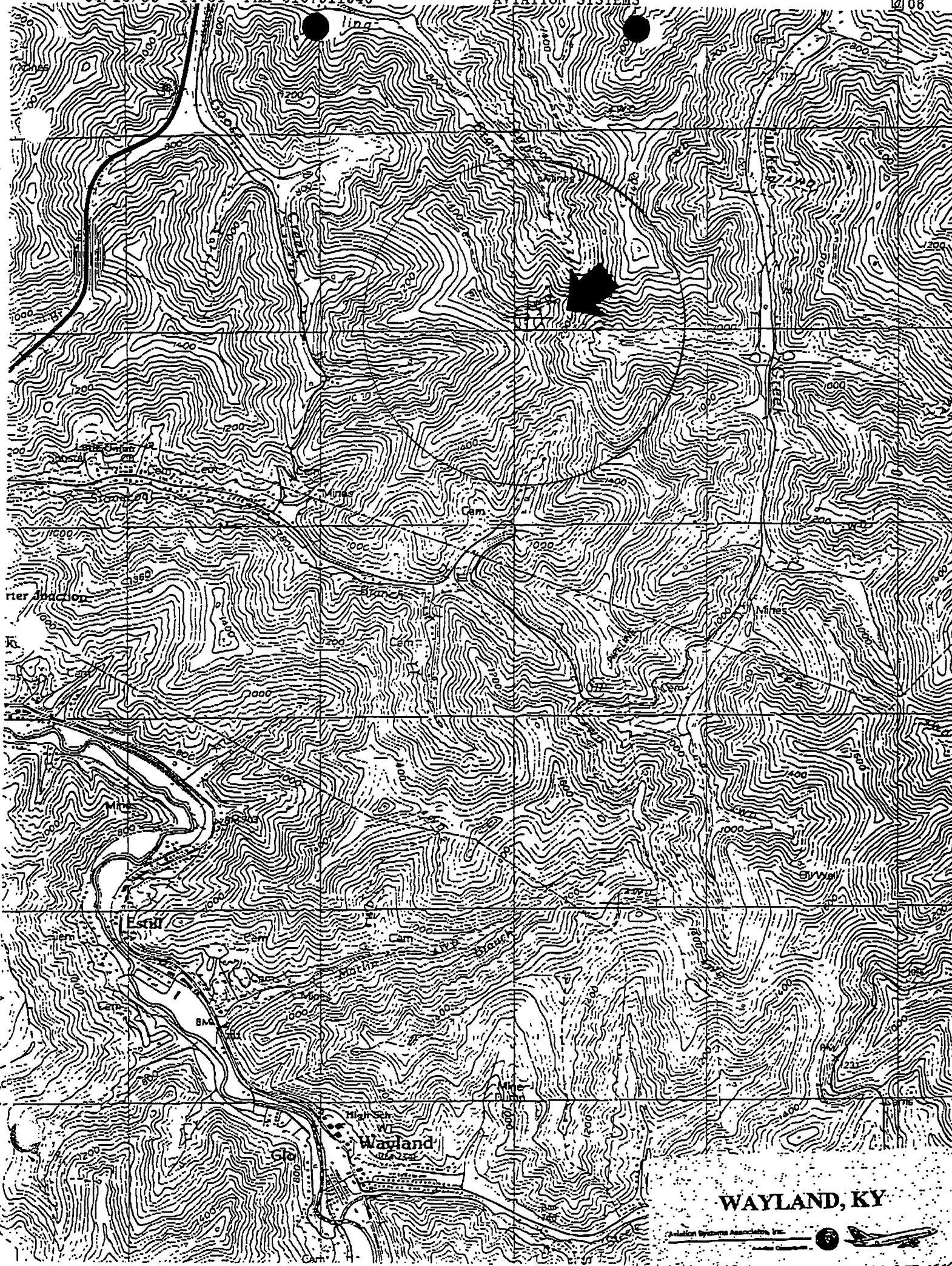
Crown Communication, Inc., proposes to construct a

### **TELECOMMUNICATIONS TOWER**

near this site. If you have questions, please contact the General Manager, Crown Communication, Inc., 11001 Bluegrass Parkway, Suite 330, Louisville, KY 40299, (502) 240-0044 or the Executive Director, Public Service Commission, 730 Schenkel Lane, P.O. Box 615, Frankfort, KY 40602.

Please refer to Case # 99-334 in your correspondence.

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



# WAYLAND, KY

Aviation Systems Associates, Inc.



**EXHIBIT P**  
**TOWER MAP FOR SUBJECT COUNTY**

