

PRD-410
4-83

CASE NUMBER:

99-349

VII-J-237, Box 45

CASE

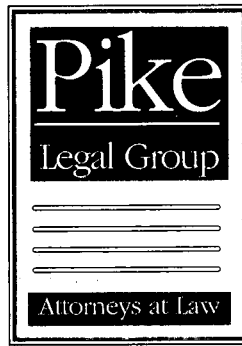
NUMBER:

99-349

HISTORY INDEX FOR CASE: 1999-3
NPCR, INC. DBA NEXTEL PARTNERS
Construct
CELL SITE - CHESTNUT RIDGE ROAD - MT. VERNON

IN THE MATTER OF THE APPLICATION OF CROWN COMMUNICATION INC.
AND NPCR, INC., D/B/A NEXTEL PARTNERS FOR ISSUANCE AND
NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY AT
CHESTNUT RIDGE ROAD, MT VERNON, KY 40459
IN THE WIRELESS COMMUNICATIONS LICENSE AREA
IN THE COMMONWEALTH OF KENTUCKY
IN THE COUNTY OF ROCKCASTLE
SITE NAME: MT VERNON

SEQ NBR	ENTRY DATE	REMARKS
0001	08/30/1999	Application.
M0001	08/30/1999	DAVID PIKE CROWN COMMUNICATIONS-APPLICATION
0002	09/07/1999	Acknowledgement letter.
0003	09/16/1999	No def. letter
M0002	09/23/1999	CROWN COMMUNICATIONS DAVID PIKE-MOTION TO SUBMIT
0004	11/01/1999	FINAL ORDER GRANTING CONSTRUCTION
M0003	01/14/2000	DAVID PIKE CROWN COMMUNICATIONS-FEDERAL AVIATION & KY AIRPORT ZONING COMMISSION APPROVALS



RECEIVED

JAN 14 2000

PUBLIC SERVICE
COMMISSION

January 13, 2000

Susan G. Hutcherson
Filings Division Manager, Docket Branch
Kentucky Public Service Commission
730 Schenkel Lane
P.O. Box 615
Frankfort, KY 40602

Re: Applicant: Crown Communication, Inc.
PSC Case No.: 99-349
Crown Site No.: 311KY
Crown Site Name: Mt. Vernon
Federal Aviation Administration Approval
Kentucky Airport Zoning Commission Approval

Dear Susan:

Please accept this letter and the attached documents as an official filing in the above-referenced Public Service Commission action. The Certificate of Public Convenience and Necessity issued in this action called for the Applicant to file a copy of the Federal Aviation Administration and Kentucky Airport Zoning Commission approvals once they were obtained. Copies of this relevant documentation are attached to this letter for inclusion in the official case file.

If you have any questions or comments concerning this matter, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "David A. Pike".

David A. Pike
Regional Counsel, Crown Communication Inc.
E-mail: pikelegal@aol.com

DAP/slb

Enclosures



MT. Vernon
80571 / 1-11-99
M.T. Vernon

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

AERONAUTICAL STUDY
No: 99-ASO-4241-OE

ISSUED DATE: 09/03/99

CHRISTINE VERRE
CROWN COMMUNICATION INC
375 SOUTHPOINTE BLVD
CANONSBURG, PA 15317

**** 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
SEE ATTACHED FREQUENCIES
Location: MT VERNON KY
Latitude: 37-18-57.06 NAD 83
Longitude: 084-17-49.69
Heights: 325 feet above ground level (AGL)
1706 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)

-See attachment for additional condition(s) or information.

This determination expires on 03/03/01 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 be of further assistance, please contact our office at 404-305-5581. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 99-ASO-4241-OE.

Wade Carpenter
Wade Carpenter
Specialist, Airspace Branch

(DNE)

7460-2 Attached
Attachment

ATTACHMENT

AERONAUTICAL STUDY
99-ASO-4241-OE

FREQUENCIES

Frequency Band

Effective Radiated Power

33-54 MHz	100 Watts
72-73 MHz	100 Watts
144-162 MHz	250 Watts
220-222 MHz	100 Watts
450-502 MHz	250 Watts
806-880 MHz	250 Watts
890-960 MHz	500 Watts
1,500 MHz	500 Watts
1,900-2,000 MHz	500 Watts
5,000-6,500 MHz	100 Watts
10,000-11,000 MHz	100 Watts
18,000 MHz	100 Watts
21,000 MHz	100 Watts
24,000 MHz	100 Watts
38,000 MHz	100 Watts

7/17/98



Kentucky Airport Zoning Commission
125 Holmes Street
Frankfort, KY 40622

05315/KY Mt. Vernon
(502) 564-4480
fax: (502) 564-7953
No.: AS-102-LOZ-99-190

November 23, 1999

APPROVAL OF APPLICATION

APPLICANT:
CROWN COMMUNICATION INC
CHRISTINE VERRE, REGULATORY COORDINATOR
375 SOUTH POINTE BOULEVARD
Canyonsburg, PA 15317

SUBJECT: AS-102-LOZ-99-190

STRUCTURE: Antenna Tower
LOCATION: Mount Vernon, KY
COORDINATES: 37°18'57.06"N / 84°17'49.69"W
HEIGHT: 325' AGL/1,706' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct (325' AGL/1,706' AMSL) Antenna Tower near Mount Vernon, KY 37°18'57"N. 84°17'50"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..

For: Ronald Bland, Administrator

INDEX FOR CASE: 99-349
NPCR, INC. DBA NEXTEL PARTNERS
Construct
CELL SITE - CHESTNUT RIDGE ROAD - MT. VERNON

IN THE MATTER OF THE APPLICATION OF CROWN COMMUNICATION INC.
AND NPCR, INC., D/B/A NEXTEL PARTNERS FOR ISSUANCE AND
NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY AT
CHESTNUT RIDGE ROAD, MT VERNON, KY 40459
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SITE NAME: MT VERNON

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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. 99-349
NPCR, INC. DBA NEXTEL PARTNERS

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 November 1, 1999.

Parties of Record:

Donald J. Manning
Vice President and General Counsel
NPCR, Inc.
dba Nextel Partners
4500 Carillon Point
Kirkland, WA. 98033

Honorable David A. Pike
Counsel for Crown Communication
Pike Legal Group
200 S. Buckman Street
P. O. Box 369
Shepherdsville, KY. 40165 0369

Honorable W. Brent Rice
Counsel for Nextel Partners
McBrayer, McGinnis,
163 West Short Street
Lexington, KY. 40507 1361

Stephanie D. Bell

Secretary of the Commission

SB/sa
Enclosure

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC.)
AND NPCR, INC. D/B/A NEXTEL PARTNERS FOR)
ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT)
CHESTNUT RIDGE ROAD, MT. VERNON, KY 40459) CASE NO. 99-349
IN THE WIRELESS COMMUNICATIONS LICENSE)
AREA IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF ROCKCASTLE)
SITE NAME: MT. VERNON)
SITE NUMBER: 311KY)

O R D E R

On August 30, 1999, Crown Communication Inc. ("Crown") and NPCR, Inc. d/b/a Nextel Partners (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 325 feet in height, with attached antennas, to be located at Chestnut Ridge Road, Mt. Vernon, Rockcastle County, Kentucky. The coordinates for the proposed facility are North Latitude 37° 18' 57.06" by West Longitude 84° 17' 49.69".

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 County Judge/Executive of the proposed construction. To date, no comments have been filed. The Applicants have filed applications with the Federal Aviation Administration ("FAA") and the Kentucky Airport Zoning Commission ("KAZC") seeking approval for the construction and operation of the proposed facility. Both applications are pending.

The Applicants have filed evidence of the appropriate 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 comments 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.

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 325 feet in height, with attached antennas, to be located at Chestnut Ridge Road, Mt. Vernon, Rockcastle County, Kentucky. The coordinates for the proposed facility are North Latitude 37° 18' 57.06" by West Longitude 84° 17' 49.69".

2. The Applicants shall file a copy of the final decisions regarding its pending FAA and KAZC applications for the proposed construction within 10 days of receiving these decisions.

3. 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 1st day of November, 1999.

By the Commission

ATTEST:


Executive Director



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

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

September 16, 1999

Donald J. Manning
Vice President and General Counsel
NPCR, Inc.
dba Nextel Partners
4500 Carillon Point
Kirkland, WA. 98033

Honorable David A. Pike
Counsel for Crown Communication
Pike Legal Group
200 S. Buckman Street
P. O. Box 369
Shepherdsville, KY. 40165 0369

Honorable W. Brent Rice
Counsel for Nextel Partners
McBrayer, McGinnis,
163 West Short Street
Lexington, KY. 40507 1361

RE: Case No. 99-349
NPCR, INC. DBA NEXTEL PARTNERS

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.

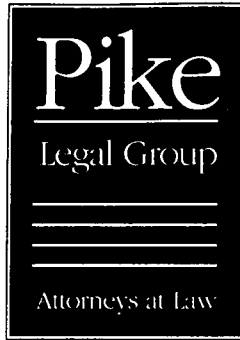
If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

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

Stephanie Bell
Secretary of the Commission

SB/sa
Enclosure



August 30, 1999

RECEIVED
AUG 30 1999
PUBLIC SERVICE
COMMISSION

VIA HAND DELIVERY

Helen C. Helton
Executive Director
Kentucky Public Service Commission
730 Schenkel Lane
P. O. Box 615
Frankfort, Kentucky 40602

FILED

AUG 30 1999
PUBLIC SERVICE
COMMISSION

Re: Request for Waiver for From Requirements for Duplicate Initial Filing
PSC Case Number: 99-349
Site Name: Mt. Vernon
Site Number: 311KY

Dear Helen:

Please accept this letter as our formal application for waiver of the requirement that an original and ten (10) copies of an initial application for issuance of Certificate of Public Convenience and Necessity be filed with the Kentucky Public Service Commission ("PSC") in wireless communications facilities cases. As is the normal custom, we request that we be allowed to file an original and five (5) copies of our application for Certificate of Public Convenience and Necessity.

Thank you for your courtesy. If you have any questions or comments concerning this matter, please do not hesitate to contact me.

Sincerely,

David A. Pike
Regional Counsel for Crown Communication Inc.

DAP:sib

For Inclusion in Application File





COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

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

September 7, 1999

Donald J. Manning
Vice President and General Counsel
NPCR, Inc.
dba Nextel Partners
4500 Carillon Point
Kirkland, WA. 98033

Honorable David A. Pike
Counsel for Crown Communication
Pike Legal Group
200 S. Buckman Street
P. O. Box 369
Shepherdsville, KY. 40165 0369

Honorable W. Brent Rice
Counsel for Nextel Partners
McBrayer, McGinnis,
163 West Short Street
Lexington, KY. 40507 1361

RE: Case No. 99-349
NPCR, INC. DBA NEXTEL PARTNERS
(Construct) CELL SITE - CHESTNUT RIDGE ROAD - MT. VERNON

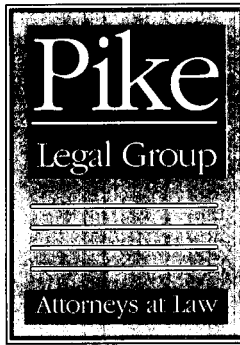
This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received August 30, 1999 and has been assigned Case No. 99-349. In all future correspondence or filings in connection with this case, please reference the above case number.

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

Sincerely,
Stephanie Bell

Stephanie Bell
Secretary of the Commission

SB/jc



August 30, 1999

RECEIVED
AUG 30 1999
PUBLIC SERVICE
COMMISSION

VIA HAND DELIVERY

Helen C. Helton
Executive Director
Kentucky Public Service Commission
730 Schenkel Lane
P. O. Box 615
Frankfort, Kentucky 40602

FILED

AUG 30 1999

**PUBLIC SERVICE
COMMISSION**

Re: Request for Waiver for From Requirements for Duplicate Initial Filing
PSC Case Number: 99-349
Site Name: Mt. Vernon
Site Number: 311KY

Dear Helen:

Please accept this letter as our formal application for waiver of the requirement that an original and ten (10) copies of an initial application for issuance of Certificate of Public Convenience and Necessity be filed with the Kentucky Public Service Commission ("PSC") in wireless communications facilities cases. As is the normal custom, we request that we be allowed to file an original and five (5) copies of our application for Certificate of Public Convenience and Necessity.

Thank you for your courtesy. If you have any questions or comments concerning this matter, please do not hesitate to contact me.

Sincerely,

David A. Pike
Regional Counsel for Crown Communication Inc.

DAP:slb

For Inclusion in Application File



COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
AUG 30 1999
PUBLIC SERVICE
COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC.)
AND NPCR, INC., d/b/a NEXTEL PARTNERS)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT)
Chestnut Ridge Road, Mt Vernon, KY 40459)
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF Rockcastle)

CASE NO.: 99-349

SITE NAME: Mt Vernon
SITE NUMBER: 311KY

Crown Communication Inc. ("Crown"), as ultimate owner, and and NPCR, INC., d/b/a NEXTEL PARTNERS ("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 telecommunications services, and other wireless service provider collocations in the area described herein.

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

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

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.

NPCR, INC., d/b/a Nextel Partners, 9 East Loockerman Street, Dover, Delaware 19901.

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 under the name of Crown Communication Inc., issued by the Secretary of State of the Commonwealth of Kentucky, and a certified copy of the Articles of Incorporation issued by the Secretary of State of Delaware are attached hereto as **Exhibit A**. A certified copy of the Certificate of Authority under the name of NPCR, INC., issued by the Secretary of State of the Commonwealth of Kentucky, and a certified copy of the Articles of Incorporation issued by the Secretary of State of Delaware are attached hereto as **Exhibit A**.

3. After completion of the proposed WCF, Crown will lease or license space on said tower and the surrounding site so that the Provider may locate and operate its facility including all required antennas and appurtenances. The proposed WCF will serve an area completely within the Provider's Federal Communications Commission ("FCC") licensed service area in the Commonwealth of Kentucky. The Provider is authorized to provide

wireless services by the FCC and the Commission. Crown has located the proposed site in a manner such that other wireless communications service providers will desire to collocate on said tower, and will endeavor to provide all necessary facilities to make collocation attractive to them.

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

5. 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 Chestnut Ridge, Mt Vernon, Kentucky 40459 (37° 18' 57.06" North latitude, 84° 17' 49.69" 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 Sean Decker. The proposed WCF will consist of a 300-foot self support tower, with an approximately 25-foot lightning arrestor attached at the top, for a total height of 325 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 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 part of

this application as **Exhibit B** and **Exhibit C**. 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. Crown, pursuant to a written agreement, has 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 S. 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 S. 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 Walter C. Martin, and was designed from a survey performed by Frank Sellinger. 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 **Exhibits K and 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 being used for

agriculture 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 FCC 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:

Rodney Strong
Crown Communication Inc.
Commonwealth Business Center
11001 Bluegrass Parkway, Suite 330
Louisville, Kentucky 40299
Telephone: (502) 240-0044

and


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

W. Brent Rice
McBrayer, McGinnis, Leslie & Kirkland
163 W. Short Street
Lexington, Kentucky 40507-1361
(606) 231-8780
COUNSEL FOR NPCR, INC., d/b/a/ NEXTEL PARTNERS.


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



W. Brent Rice
McBrayer, McGinnis, Leslie & Kirkland
163 W. Short Street
Lexington, Kentucky 40507-1361
(606) 231-8780
COUNSEL FOR NPCR, INC., d/b/a/ NEXTEL PARTNERS.

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 - Certification of Notification
- 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**



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

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF INCORPORATION OF "NPCR, INC.", FILED IN THIS OFFICE ON THE TWENTY-FIRST DAY OF DECEMBER, A.D. 1998, AT 9 O'CLOCK A.M.



Edward J. Freel

Edward J. Freel, Secretary of State

2982613 8100

991222189

AUTHENTICATION: 9783188

DATE: 06-03-99

CERTIFICATE OF INCORPORATION

OF

NPCR, INC.

FIRST: The name of the corporation is NPCR, Inc. (the "Corporation").

SECOND: The address of the registered office of the Corporation in Delaware is 9 East Loockerman Street, Dover, Delaware 19901, and the name of the Corporation's registered agent at such address is National Registered Agents, Inc.

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

FOURTH: The total number of shares of stock which the Corporation shall have authority to issue is 200 shares of Common Stock, \$0.01 par value.

FIFTH: The name and mailing address of the sole incorporator of the Corporation are as follows:

David P. Dutil, Esq.
Friedman Kaplan & Sailer LLP
875 Third Avenue
New York, New York 10022

SIXTH: The following provisions are inserted for purposes of the management of the business and conduct of the affairs of the Corporation and for creating, defining, limiting and regulating the powers of the Corporation and its directors and stockholders:

(a) The number of directors of the Corporation shall be fixed and may be altered from time to time in the manner provided in the Bylaws, and vacancies in the Board of Directors and newly created directorships resulting from any increase in the authorized number of directors may be filled, and directors may be removed, as provided in the Bylaws.

(b) The election of directors may be conducted in any manner approved by the stockholders at the time when the election is held and need not be by ballot.

(c) All corporate powers and authority of the Corporation (except as at the time otherwise provided by law, by this Certificate of Incorporation or by the Bylaws) shall be vested in and exercised by the Board of Directors.

(d) The Board of Directors shall have the power without the assent or vote of the stockholders to adopt, amend, alter or repeal the Bylaws of the Corporation, except to the extent that the Bylaws or this Certification of Incorporation otherwise provide.

EIGHTH: The Corporation reserves the right to amend or repeal any provision contained in this Certificate of Incorporation in the manner now or hereafter prescribed by the laws of the State of Delaware, and all rights herein conferred upon stockholders or directors are granted subject to this reservation.

NINTH: No director shall be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, provided, that the foregoing shall not eliminate or limit the liability of a director (i) for any breach of the director's duty of loyalty to the Corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or knowing violation of law, (iii) under Section 174 of the Delaware General Corporation Law, or (iv) for any transaction from which the director derived an improper personal benefit.

TENTH: Meetings of stockholders may be held within or without the State of Delaware, as the Bylaws may provide. The books of the Corporation may be kept (subject to any provision contained in the statutes of the State of Delaware) outside the State of Delaware at such place or places as may be designated from time to time by the Board of Directors of the Corporation in accordance with the Bylaws of the Corporation.

IN WITNESS WHEREOF, I do execute this Certificate and affirm and acknowledge, under penalties of perjury, that this Certificate is my act and deed and that the facts stated herein are true, this 21st day of December, 1998.


David P. Dutil



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,

NPCR, INC.

, a corporation organized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on June 1, 1999.

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 4th day of June, 1999.

John Y. Brown, III

JOHN Y. BROWN III
Secretary of State
Commonwealth of Kentucky

tbates/0475015

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF INCORPORATION OF "NPCR, INC.", FILED IN THIS OFFICE ON THE TWENTY-FIRST DAY OF DECEMBER, A.D. 1998, AT 9 O'CLOCK A.M.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

2982613 8100

991222189

AUTHENTICATION: 9783188

DATE: 06-03-99

EXHIBIT B

SITE DEVELOPMENT PLAN:

VICINITY MAP

PROPERTY OWNER LISTING

500' VICINITY MAP

LEGAL DESCRIPTIONS

FLOOD PLAIN CERTIFICATION

SITE PLAN

VERTICAL TOWER PROFILE



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

CROWN ECHO 311KY NEXTTEL PARTNERS K-5107-A MT. VERNON

300' SELF SUPPORT
TELECOMMUNICATION TOWER
WITH MULTIPLE CARRIERS

SITE NAME
MT. VERNON

SITE NUMBER
311KY

SITE ADDRESS
CHESTNUT ROSE ROAD
MT. VERNON, KY 40456

SITE OWNER
SEAN DECKER
11825 HARRINGTON CT.
CHICAGO, OH 43240

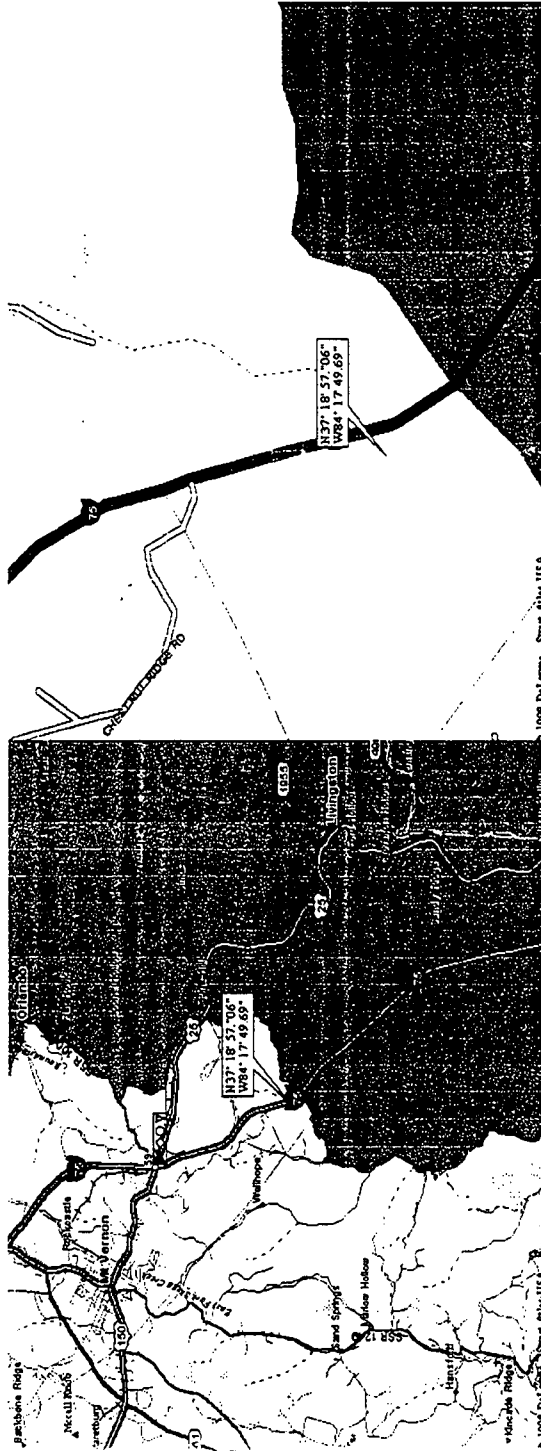
APPLICANT
CROWN COMMUNICATION INC.
11001 BLUEGRASS PARKWAY STE. 330
LOUISVILLE, KY 40299

ZONING
AGRICULTURAL

AREA OF PARCEL
LEASE AREA = 10,000 SQ. FT.

PARCEL NUMBER(S)
009 & 04

SITE SUMMARY



SCALE: NTS

SCALE: NTS

DIRECTIONS TO SITE

FROM LOUISVILLE, KY: I-61 EAST TO LEWISTON, THEN I-75 SOUTH TO HWY. 25, EXIT 50, TRAVEL NORTH (LEFT) ON HWY 25 TO HWY 1274, TURN LEFT (SOUTH) ON HWY 1274 AND TRAVEL 1/2 MILE TO GRAVEL DRIVE ON LEFT. THE DRIVE IS CALLED CHESTNUT ROSE ROAD. TURN LEFT ON CHESTNUT ROSE ROAD AND TRAVEL 1/2 MILE TO A GRAVEL LOT ON THE LEFT. BEFORE YOU REACH THE GRAVEL LOT, TURN RIGHT ON THE RIGHT HAND SIDE OF THE ROAD AND TRAVEL 1/2 MILE PAST A BARN AND TWO HOUSES TO A SHED. THE GRAVEL DRIVE ENDS AT THIS POINT AND TURNS INTO A DIRT ROAD. PROCEED APPROX. 800 FEET DOWN THIS ROAD TO THE SITE WHICH IS ALONG THE RIGHT SIDE OF THE LAKE.

T. Alan Neal Company
11001 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
TEL: 502-240-0044
FAX: 502-240-0045

Lead Engineer
Louisville, Kentucky 40299

ENGINEERING & SURVEYING
DESIGN

HLWVN
COMMUNICATIONS INC.
11001 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
TEL: 502-240-0044
FAX: 502-240-0045

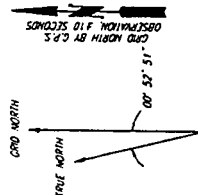
T. Alan Neal Company
TAN
11001 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299
TEL: 502-240-0044
FAX: 502-240-0045

PROFESSIONAL INFORMATION
THE INFORMATION CONTAINED IN THIS SURVEY WAS OBTAINED FROM THE FIELD BY MEANS OF A TOTAL STATION AND WAS CHECKED BY MEANS OF A TOTAL STATION AND WAS FOUND TO BE CORRECT TO THE NEAREST TENTH OF AN INCH.

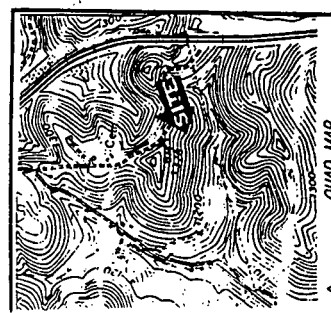
STATE OF KENTUCKY
WALTER C. MARTIN
2450
LICENSED PROFESSIONAL ENGINEER

GRABBY BY: LAP	PROJECT NUMBER
REVIEWED SURVEY: JSM	PROJECT NAME
REVIEWING ENGINEER: MCV	PROJECT ADDRESS
	CHESTNUT ROSE ROAD
	MT. VERNON, KY 40456
	TITLE
	TITLE SHEET
	SITE INFO
	SHEET

- 500' STRUCTURAL MAP
 - ADJUTING PROPERTY OWNERS
 - U.S.G.S. QUAD MAP
- SHEET 2
- LEASE AREA
 - LEGAL DESCRIPTIONS
 - FLOOD ZONE DATA



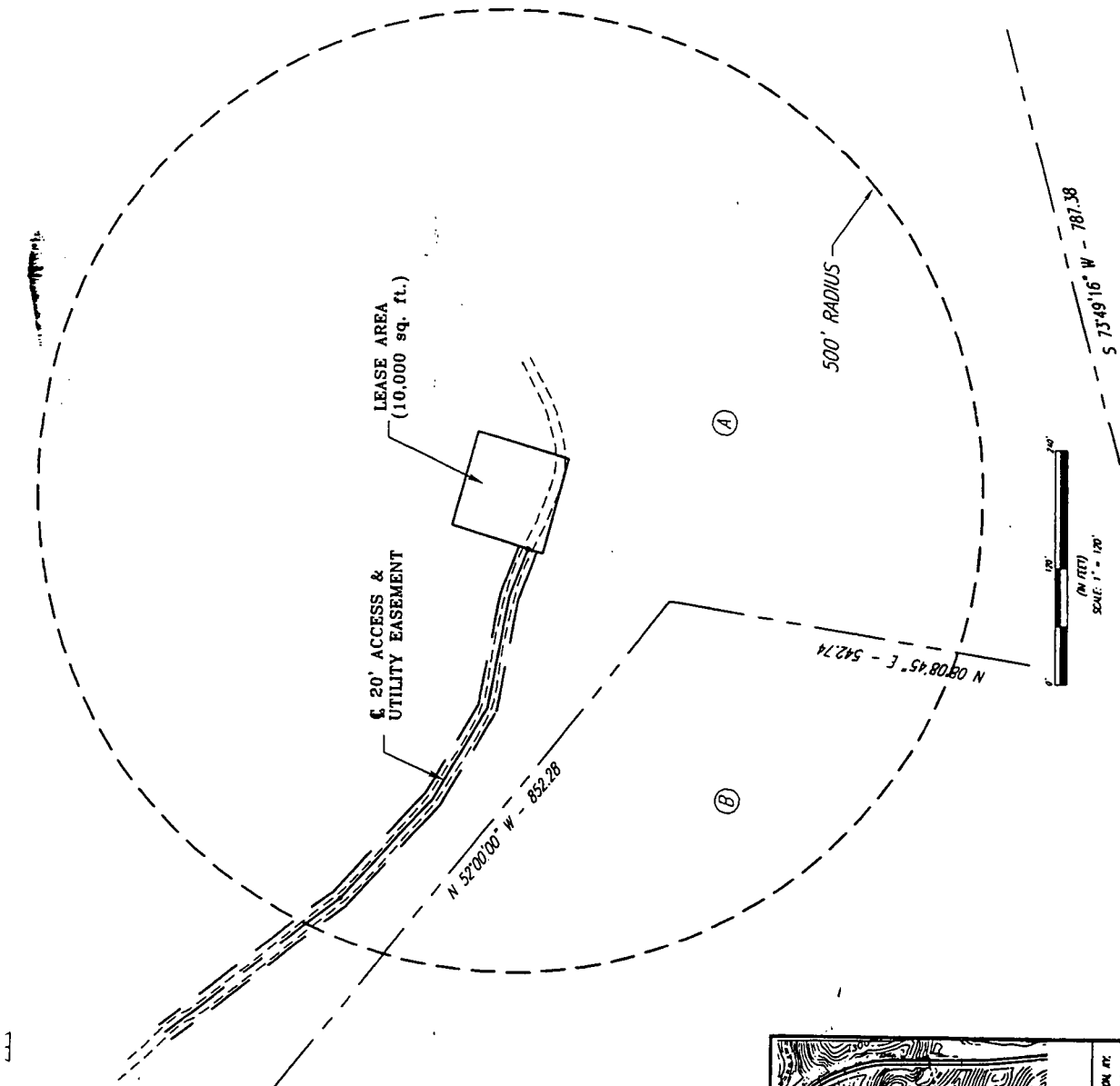
MAP IS BASED ON THE HENRY SOUTH PLANE COORDINATE SYSTEM SOUTH ZONE AND WAS DETERMINED BY COMPUTATION FROM C.P.S. OBSERVATION ON JULY 19, 1999.



U.S.G.S. 7 1/2' QUAD MAP OF MT. VERNON, KY.
QUAD MAP
SCALE 1" = 1000'

AA

- MAP 61, LOTS 9 & 9A
DECKER, SCAM
11625 HARRINGTON CT.
CINCINNATI, OH 45240
DEED BOOK 164, PAGE 37
- MAP 47, LOT 19
REDFIELD, SCAM & KIT
11625 HARRINGTON CT.
CINCINNATI, OH 45240
DEED BOOK 151, PAGE 100



COMMONWEALTH BUSINESS CENTER 11001 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 TEL: (502) 240-0044 FAX: (502) 240-0045	
T. Alan Neal Company	
428 Engineering Drive Louisville, Kentucky 40217 (502) 635-5888 FAX: 636-5283	
ECHO NUMBER:	KY5107-A
SITE NAME:	MT. VERNON
SITE ADDRESS:	CHESSWAT RD. RD. MT. VERNON, KY 40456
AREA:	PARENT TRACT = 63.62 Acres LEASE AREA = 10,000 sq. ft.
PROPERTY OWNER:	SCAM DECKER 11625 HARRINGTON CT. CINCINNATI, OH 45240
TAX MAP NUMBER:	081-00
PARCEL NUMBER:	009 & 9A
SOURCE OF TITLE:	DEED BOOK 164, PAGE 37
DMC BY:	DATE:
LUP	FSI
TAN PROJECT NO.:	T-2636
SHEET 1 OF 2	
REVISIONS:	
RELOCATE LEASE AREA & REVISE DESCRIPTIONS 8.08.99	
C1	



COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PKWY
LOUISVILLE, KY 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045



T. Alon Neal Company
15021 635-5866
714-938-3283

ECHO NUMBER: K15107-4	SITE NAME: MT. VERNON	SITE ADDRESS: CHESTNUT RIDGE RD. MT. VERNON, KY 40456
AREA: PARENT PACT = 61.62 ACRES LEASE AREA = 10,000 sq. ft.	PROPERTY OWNER: SEAN DECKER 1025 WASHINGTON CT. CHEVYCHAM, OH 45340	TAX MAP NUMBER: 061-00
PARCEL NUMBER: 009 & 9A	SOURCE OF TITLE: DEED BOOK 164, PAGE 37 BOUNDARY PER SURVEY 06050598	DWG BY: CHW BY: DATE: 07/20/99
TAN PROJECT NO.: 1-2616	REVISIONS: SHEET 2 OF 2	RELOCATE LEASE AREA & REVISE DESCRIPTIONS 08.06.99

LEGAL DESCRIPTIONS:
This is a description for Crown Communication Inc., of an area to be leased from the property of Sean Decker, which is further described as follows:
LEASE AREA
Beginning of an iron pin in the northwestern corner of the property conveyed to Sean Decker as recorded in Deed Book 164, Page 37, in the Office of the Clerk of the County Court, of Rockcastle County, Kentucky; thence following the northern line of said property N. 23° 36' 54" E. - 15.86' to a point, thence leaving said line S. 75° 27' 47" E. - 197.51' to a point; thence S. 23° 18' 10" E. - 248.38' to a point; S. 62° 38' 04" E. - 105.82' to a point; thence S. 42° 04' 48" E. - 170.30' to a point; thence S. 37° 35' 55" E. - 231.27' to a point; thence S. 47° 19' 41" E. - 144.46' to a point, thence S. 59° 03' 05" E. - 110.92' to a point; thence S. 78° 47' 29" E. - 119.51' to a point; thence S. 68° 05' 25" E. - 52.15' to a point, and the true point of beginning of the Lease Area; thence N. 15° 15' 02" E. - 83.57' to a set #5 rebar; thence S. 23° 44' 58" E. - 100.00' to a set #5 rebar; thence S. 16° 15' 02" E. - 100.00' to a set #5 rebar; thence N. 23° 44' 58" W. - 100.00' to a set #5 rebar; thence N. 16° 15' 02" E. - 16.43' to the point of beginning containing 10,000 square feet as per survey by T. Alon Neal dated August 6, 1999.

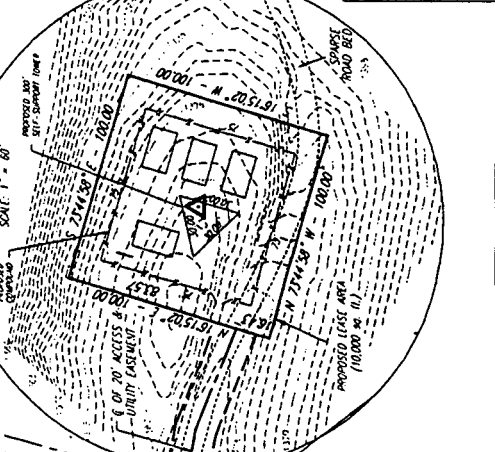
CENTERLINE OF 20' ACCESS & UTILITY EASEMENT
Beginning of an iron pin in the northwestern corner of the property conveyed to Sean Decker as recorded in Deed Book 164, Page 37, in the Office of the Clerk of the County Court, of Rockcastle County, Kentucky; thence following the northern line of said property N. 23° 36' 54" E. - 15.86' to a point, said point being the true point of beginning of the centerline of a 20' Access & Utility Easement; thence leaving said line and following the centerline of said access S. 15° 27' 47" E. - 197.51' to a point; thence S. 23° 18' 10" E. - 248.38' to a point; S. 62° 38' 04" E. - 105.82' to a point; thence S. 42° 04' 48" E. - 170.30' to a point; thence S. 37° 35' 55" E. - 231.27' to a point; thence S. 47° 19' 41" E. - 144.46' to a point; thence S. 59° 03' 05" E. - 110.92' to a point; thence S. 78° 47' 29" E. - 119.51' to a point; thence S. 68° 05' 25" E. - 52.15' to a point in the western line of the Lease Area and the end of said easement.

UTILITY COMPANIES: JACKSON ENERGY CORPORATION RECONSTRUCTION # 4/A
PROJECT BENCHMARK
NORTH: 2001388.68
EAST: 2003282.41
ELEVATION: 684.11
LOCATION: 600' WEST OF THE CROWN ROAD & 3.155' NORTH OF THE LEASE AREA

UNDERGROUND UTILITIES BEFORE YOU DIG
CALL 811 OR VISIT WWW.CALL811.COM
FOR A LIST OF UTILITIES TO BE LOCATED.
PROPERTY OWNER'S RESPONSIBILITY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED BY THE UTILITIES LOCATOR SERVICE.
CALL 811 OR VISIT WWW.CALL811.COM FOR A LIST OF UTILITIES TO BE LOCATED.

SURVEYORS NOTES
SOURCE OF BEARING & 2 P.S. OBSERVATION ON 04/19/1999
SOURCE OF BEARING BASED ON THE WEST PROPERTY LINE OF THE DECKER PROPERTY AS SHOWN IN DEED BOOK 164, PAGE 37, AND THE CALCULATED BEARING OF N. 16° 15' 02" E.
SITE DOWN TO SOUTH OF WEST AND FORECASTS SHOW EXTENSION OF 40' TO SOUTH OF WEST RECORDS HAS BEEN PERFORMED BY THE FIRM THE PARTY TRICE
PROSIC CONTOURS ARE AT THE FOOT INTERVALS
* SURVEY PER MITING SURVEYORS DATED 6-5-98

LAND SURVEYOR'S CERTIFICATE
I, SEAN DECKER, UNLICENSED ENGINEER NUMBER 10,000 TO ALL PARTIES INTERESTED IN THIS PROJECT HEREBY CERTIFY THAT THIS PLAN AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGLES AND LINE MEASUREMENTS, AND THE POSITION OF ALL POINTS AND MARKS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
THIS SURVEY AND PLAN MEETS OR EXCEEDS THE MINIMUM STANDARDS OF THE GOVERNING AUTHORITIES.
THIS PROPERTY IS SUBJECT TO ANY RECORDED EASEMENTS OR RIGHT OF WAY RECORDS THEREON.



NEARBY AND 500' STRUCTURAL MAP
- ABUTTING PROPERTY OWNERS
- U.S.C.S. GRID MAP

ABBREVIATIONS
EP EDGE OF PAVEMENT
ROW RIGHT OF WAY
C CENTERLINE
RCP REINFORCED CONCRETE PIPE
CONC. CONCRETE
CAP CORRUGATED METAL PIPE
S SUBJECT PROPERTY LINE
TC TOP OF CURB
BC BOTTOM OF CURB
POB POINT OF BEGINNING

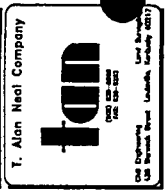
SYMBOL LEGEND
WOOD POWER POLE
LIGHT POLE
MANHOLE
WATER METER
FIRE HYDRANT
CUT ANCHOR
FENCE POST
SET #5 REBAR (INDICATES SHOWN WITH)

LINE LEGEND
OVERHEAD ELECTRIC
UNDERGROUND GAS LINE
UNDERGROUND WATER LINE
UNDERGROUND SANITARY SEWER LINE
UNDERGROUND TELEPHONE LINE
DRAINAGE/STORM SEWER LINE
FENCE
SUBJECT PROPERTY BOUNDARY
RIGHT OF WAY CENTERLINE

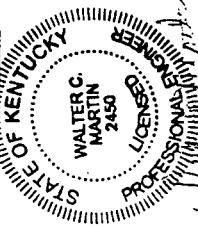
NOTE: SYMBOLS, ABBREVIATIONS, OR LINE TYPES DO NOT NECESSARILY APPEAR ON DRAWINGS. USE ONLY AS APPLICABLE.



DATE: 11/11/03
 TIME: 1:00 PM
 (202) 242-6044 FAX



CASE NO. _____
 PROJECT/CLIENT INFORMATION
 SITE OF CONSTRUCTION
 THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF T. ALAN NEAL COMPANY AND IS TO BE USED ONLY FOR THE PROJECT AND SITE IDENTIFIED HEREIN. ANY REUSE OR REPRODUCTION OF THIS INFORMATION IS STRICTLY PROHIBITED.



APPROV'D BY: L.P.
 REVIEWED BY: J.S.P.
 REVIEWING ENGINEER: M.C.V.

NO.	REVISION/DISCUSS	DATE
1	ZONING	01/02/03

PROJECT NUMBER: J1187
 PROJECT NAME: _____
 MT. HERMON
 PROJECT ADDRESS: _____

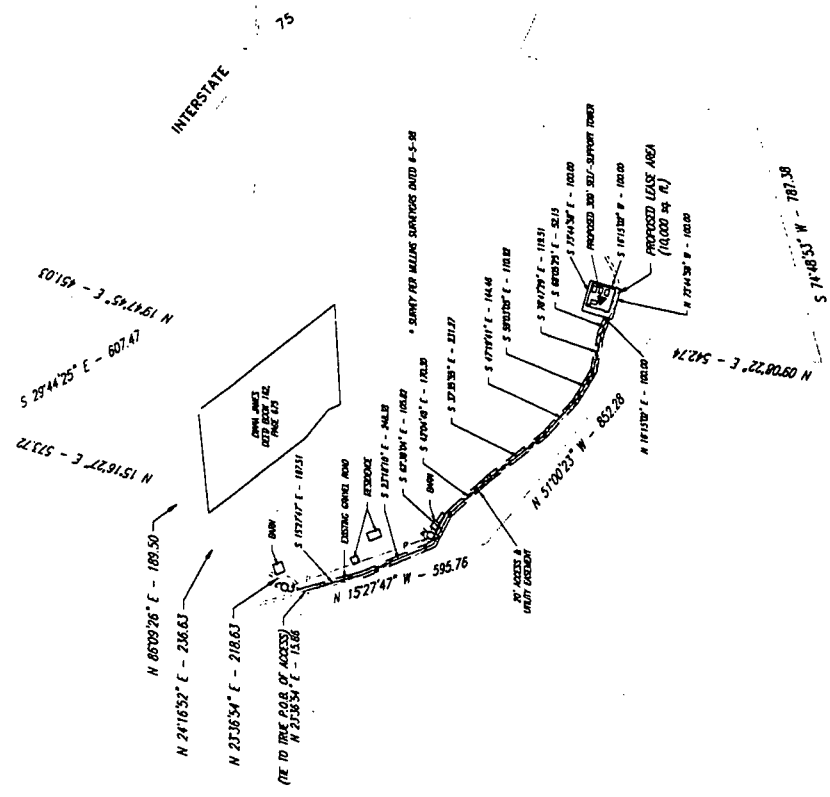
CHESTNUT RIDGE ROAD
 MT. HERMON, KY 40455

TITLE: _____
 SITE PLAN

SHEET: _____

52

- NOTE:
- FOR ADDITIONAL SITE INFO, SEE S1 (IF PROVIDED)
 - REMOVE ALL VEGETATION & CLEAN AREA
 - LEASE AREA (WHERE RECD)
 - FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE TO ADJACENT PROPERTY
 - AWAY FROM EQUIP FOR A MIN DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS
 - LOCATE ALL U.G. UTILITIES PRIOR TO STARTING ANY CONSTRUCTION
 - SETBACKS TO BE MAINTAINED AS SHOWN. SEE DETAIL 2/SS (IF PROVIDED)



SCALE: 1" = 400'-0" | 1

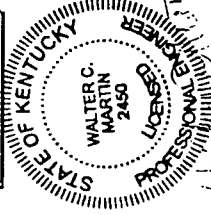
SITE PLAN



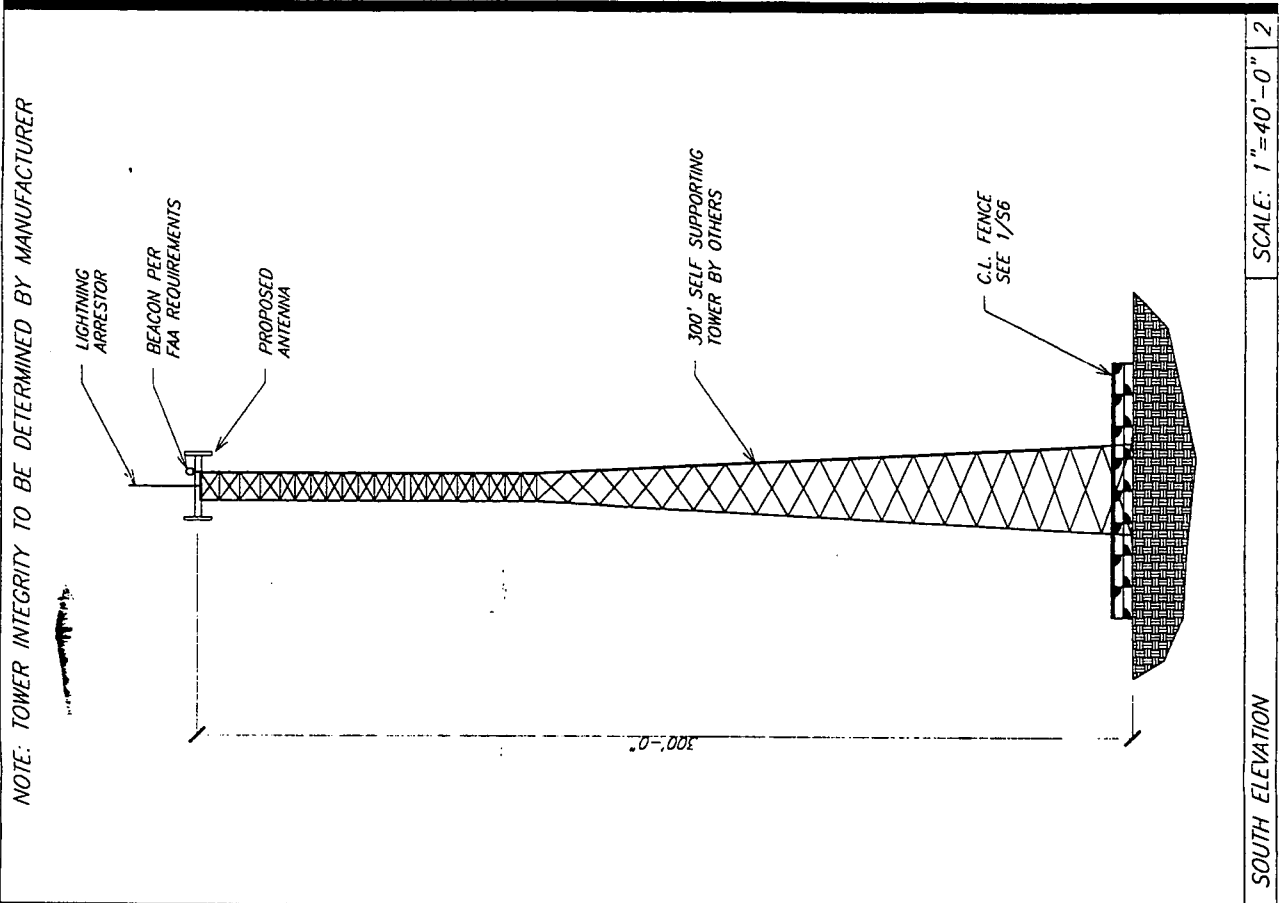
PROFESSIONAL ENGINEER
 LICENSE NO. 17177
 STATE OF KENTUCKY
 WALTER C. MARTIN
 2450

T. Alan Neel Company
tan
 702 CHURCH
 LOUISVILLE, KY 40202
 Civil Engineering, Landmarks, Consulting, etc.

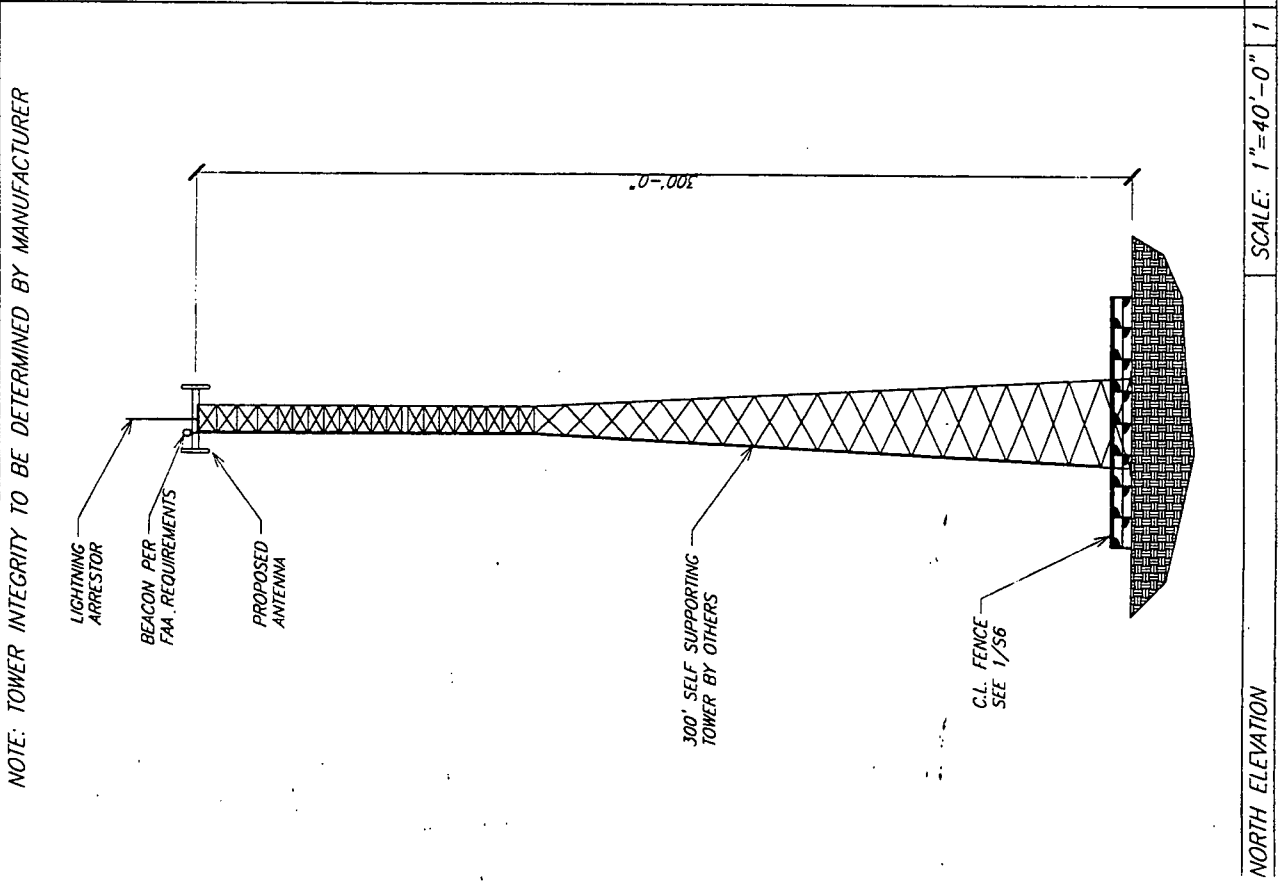
PROFESSIONAL ENGINEER
 LICENSE NO. 17177
 STATE OF KENTUCKY
 WALTER C. MARTIN
 2450



DRAWN BY: LJP	PROJECT NUMBER
REVISED SURVEY: FSJ	PROJECT NAME
REVISING ENGINEER: RCJ	MT. VERNON
	PROJECT ADDRESS
	CHESTNUT ROCK ROAD MT. VERNON, KY 40356
	TITLE
	TOWER ELEVATIONS
	SHEET



SCALE: 1"=40'-0" 2



SCALE: 1"=40'-0" 1

NORTH ELEVATION

SOUTH ELEVATION

SCALE: 1"=40'-0" 2

S3

EXHIBIT C
TOWER AND FOUNDATION DESIGN

MEMBER CHART

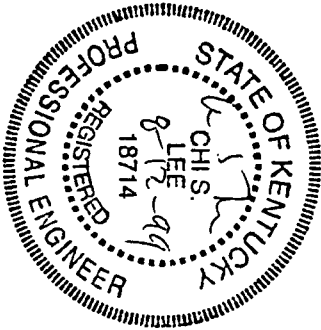
SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS		CLIMBING WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	
A	0' - 20'	21' - 19.67'	5	L 3-1/2 x 3-1/2 x 1/4	N/A	NOTE: 3 7025
B	20' - 40'	19.67' - 18.33'	4-3/4	L 3-1/2 x 3-1/2 x 1/4	N/A	NOTE: 3 6400
C	40' - 60'	18.33' - 17'	4-3/4	L 3 x 3 x 5/16	N/A	NOTE: 3 6250
D	60' - 80'	17' - 15.67'	4-1/2	L 3 x 3 x 5/16	N/A	NOTE: 3 5725
E	80' - 100'	15.67' - 14.33'	4-1/2	L 2-1/2 x 2-1/2 x 3/8	N/A	NOTE: 3 5550
F	100' - 120'	14.33' - 13'	4-1/4	L 2-1/2 x 2-1/2 x 5/16	N/A	NOTE: 3 4800
G	120' - 140'	13' - 11.67'	4	L 2-1/2 x 2-1/2 x 5/16	N/A	NOTE: 3 4300
H	140' - 160'	11.67' - 10.33'	4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3 3700
I	160' - 180'	10.33' - 9'	3-3/4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3 3325
J	180' - 200'	9' - 7.667'	3-3/4	L 2 x 2 x 1/4	N/A	NOTE: 3 3275
K	200' - 220'	7.667' - 6.333'	3-1/2	L 2 x 2 x 3/16	N/A	NOTE: 3 2800
L	220' - 240'	6.333' - 5'	3-1/4	L 2 x 2 x 3/16	N/A	NOTE: 3 2475
M	240' - 260'	5'	2-1/2	1-1/8 S.R.	1-1/8 S.R.	NOTE: 3 2025
N	260' - 280'	5'	2-1/4	1 S.R.	1 S.R.	NOTE: 3 1625
O	280' - 299'	5'	2	7/8 S.R.	7/8 S.R.	NOTE: 3 1700

ANTENNA INFORMATION

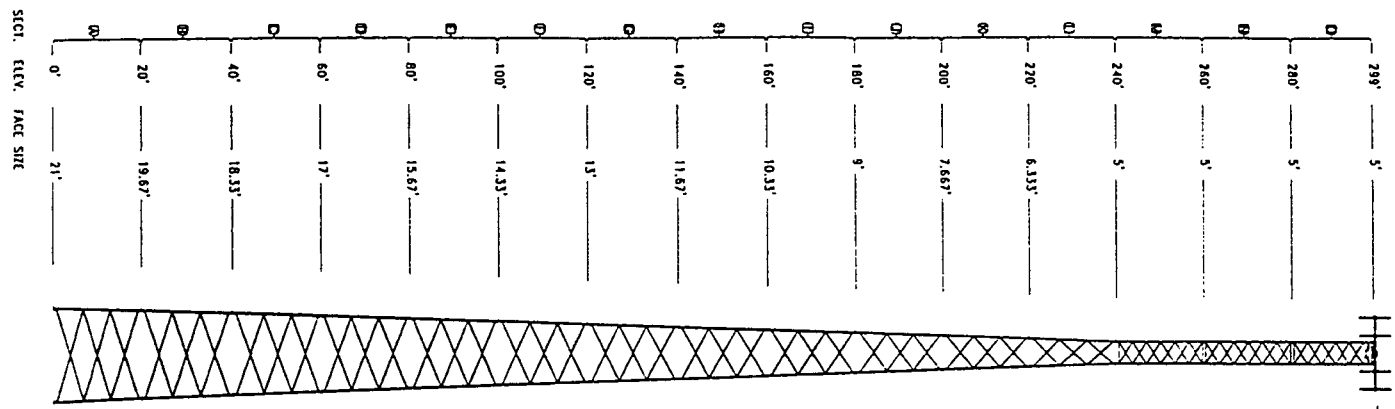
ANTENNA	ELEVATION	LINE
(12) ALP9212	TOP	1-5/8
(12) ALP9212	285'	1-5/8
(12) ALP9212	270'	1-5/8
(1) 8" HP DISH	255'	EW52 or EW63
(1) 8" HP DISH	255'	EW52 or EW63

DESIGN & DRAWING NOTES:

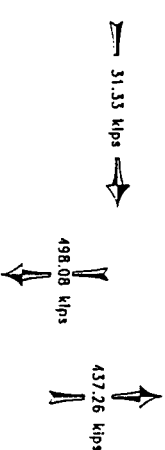
- SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- TOWER STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/EIA-222-F STANDARDS FOR A BASIC WIND SPEED OF 70 MPH WITH 1/2" ICE.
- STEP BOLTS ARE PROVIDED.
- SV-MOUNTS ARE PROVIDED.
- ALL LEG & LEG FLANGE PL MATERIAL IS ASTM A-572 GRADE 50 (FY > 50 ksi).
- ALL OTHER MATERIAL IS ASTM A36 (FY > 36 ksi).
- SECTIONS A - L ARE 3-BAY X-BRACED (74" BAYS)
- SECTIONS M - O ARE 6-BAY X-BRACED (38-1/2" BAYS)
- (12) 1-1/8" # ASTM A449 ANCHOR BOLTS REQUIRED PER LEG.



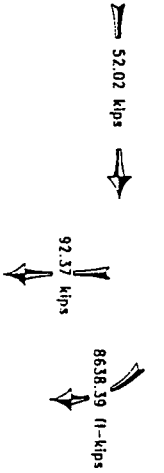
RECEIVED
AUG 13 1999



MAX INDIVIDUAL LEG LOADS



MAX TOTAL FOUNDATION LOAD



M.T. VERNON

OTHER SITE ID: _____

Complete Manufacturer of Communication Towers

BY: _____

TOWER STOCK #: CR - 5 - 300 - 075 - 51 - SVA99

CENTRAL TOWER, INC.
285 HWY. 261 NEWBORN INDIANA 0250 012 833783

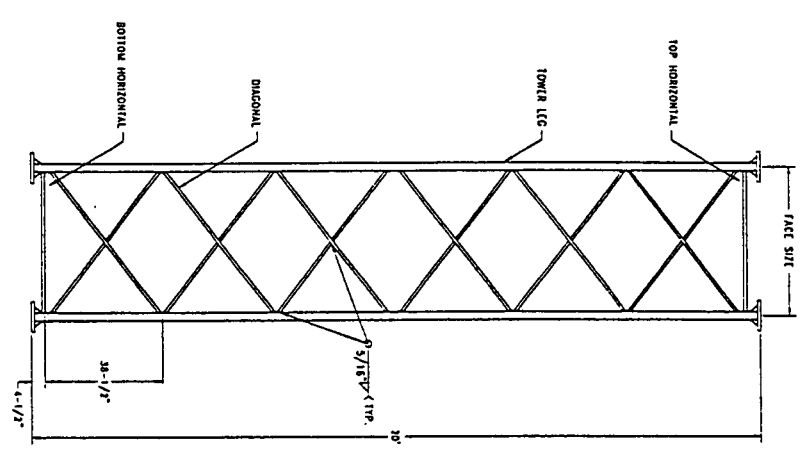
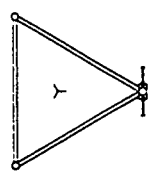
PROJECT: Elevation View & Member Information

SITE: ROCKCASTLE CO., KY PER: GROWN COMMUNICATIONS (PROJ. NO. SS-545)

DESIGNED BY: C.C. DRAWN BY: A.J.H. (APP. BY)

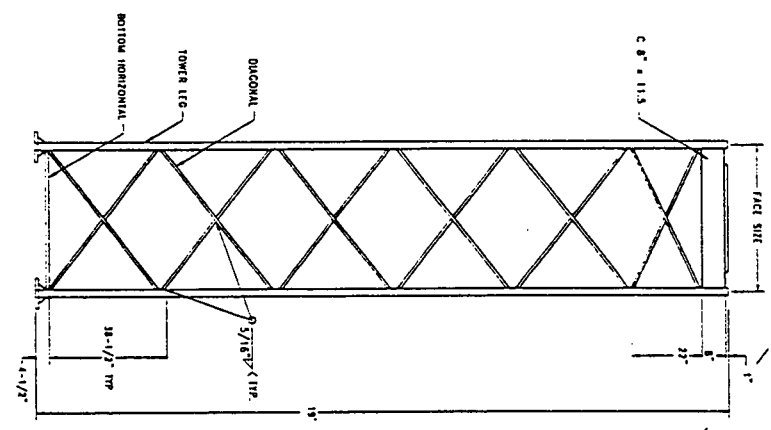
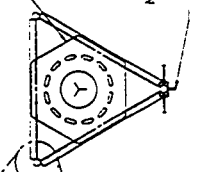
DATE: 8-11-99 SCALE: NO. (DRAWING NO. SS-545-1)

DRAWING NO. SS-545-1

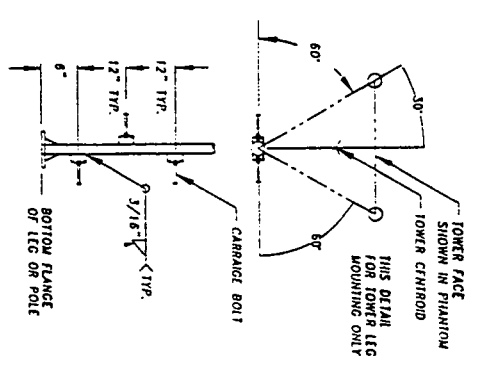
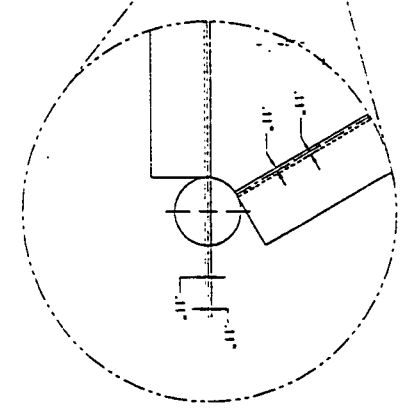


SECTIONS M - N

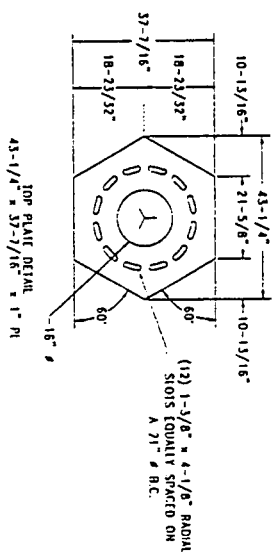
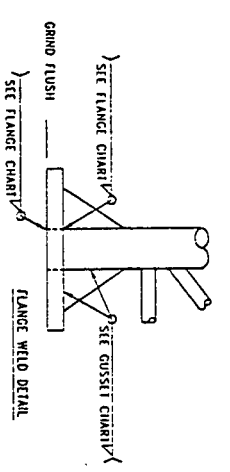
SAFETY CLUB BRACKET (1) REQ'D. AT TOP OF TOP SECTION FOR SAFETY CLUB DEVICE.



SECTION O



SECTION NOTES:
 1) SEE DRAWING SS-545-1 FOR LEG & MEMBER NUMBER SIZES.
 2) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION



NO.	DATE	BY	REVISIONS
1			Complete Manufacturer of Communication Towers

OTHER SITE ID: _____
 TOWER STOCK #: CR - S - 300 - 075 - 51 - SVA99
CENTRAL TOWER, INC.
 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812)853-0505

OTHER SITE ID: **MT. VEERNON**
WELDED SECTION DETAILS
 TITLE: _____
 SITE: ROCKCASTLE CO., KY FOR: CROWN COMMUNICATIONS PROJ. NO: SS-545
 DESIGNED BY: R.C.H. DRAWN BY: A.J.H. APP. BY: _____
 DATE: 8-11-99 SCALE: NO. DRAWING NO: _____
 DISK NO: SSJ335 FRAME: SS-545-2

PAD

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	30'	124	3720'

PIER (verts) (Total for 3 Piers)

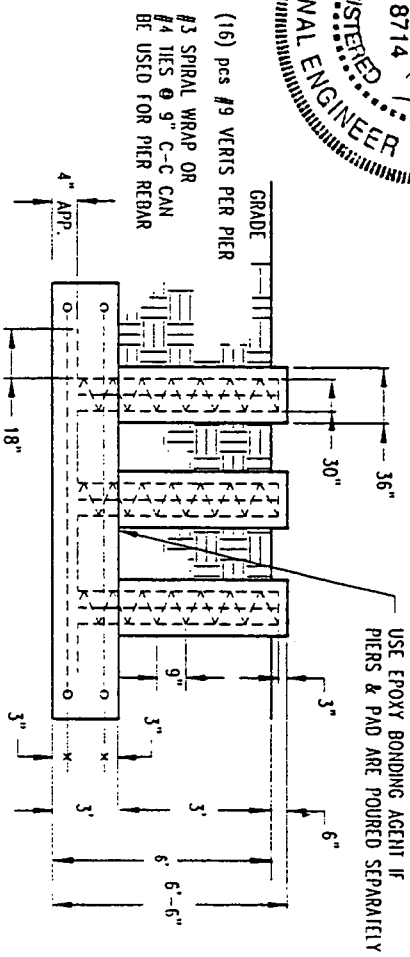
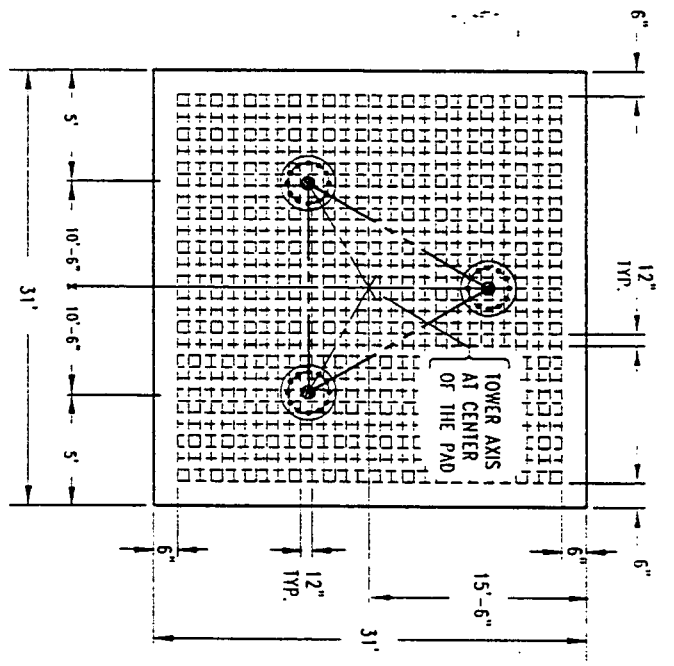
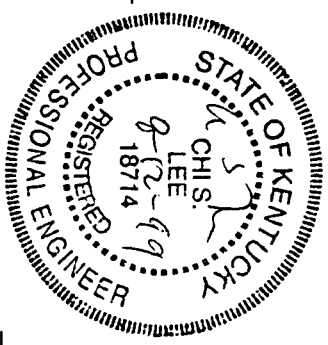
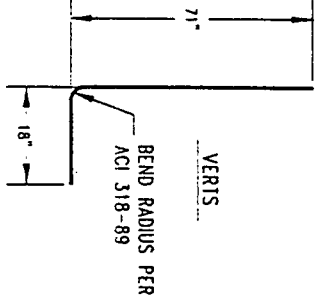
REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	7'-5"	48	356'

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 ANS/EIA-222-F STANDARDS UTILIZING SOIL REPORT PROVIDED BY VATC, INC ON 7-23-99, PROJECT # 13000.9G90.
- CONCRETE STRENGTH TO EQUAL 5000 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



(16) pcs #9 VERTS PER PIER
 #3 SPIRAL WRAP OR
 #4 TIES @ 9" C-C CAN
 BE USED FOR PIER REBAR

STFIELD	K	Y	3	1	1
Complete Manufacturer of Communication Towers					
REVISIONS	BY				
TITLE: BASE FOUNDATION DESIGN SITE: ROCKCASTLE CO., KY FOR: CROWN COMMUNICATIONS DESIGNED BY: C.C. DRAWN BY: A.J.H. DATE: 8-11-99 SCALE: NO DISK NO: SS-545-3 NAME: SS-545-3					

APPROXIMATE CONCRETE REQ'D = 109-3/4 yd³

OTHER SITE I.D. M.T. VERNON
CENTRAL TOWER, INC.
 2655 HWY. 261 NEWBURGH, INDIANA 47630 (812)853-6285
 PROJ. NO. SS-545
 APR. BY: [Signature]
 DRAWING NO. SS-545-3

TEMPLATE DESIGN

Job No. :

SS 545

Base Size (In Feet) :

21.000

Site Location :

Rockcastle CO, KY.

Support Angle Information

Description (Angle)	Cut Length (ft)	# Req'd
2.5 x 2.5 x 0.25	19	3

Bearing Plate Information

Outer Dia	# Holes	Bolt Drill	Bolt Circle	# Req'd
16	12	1.25	12	3

Anchor Bolt Information

Material Type	Bolt Diameter	LGTH. (in)	# Req'd	"A" (in.)	Embed. Depth "B" (in.)
ASTM A449	1.125	69	36	7.5	61.5

Securing Plate Information

# Holes	Bolt Drill	Bolt Circle	# Req'd
12	1.1875	12	3

Template Assembly

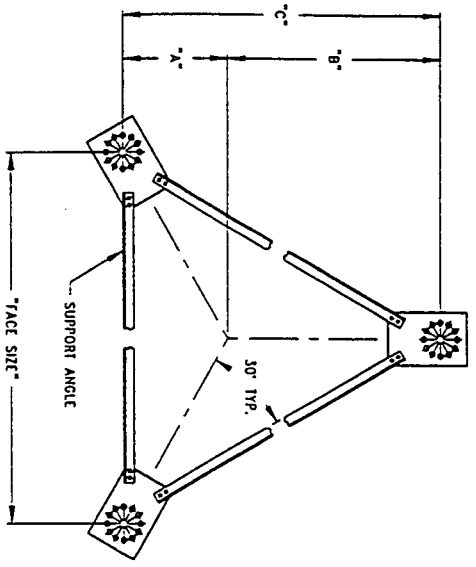
Face Size	"A" (ft)	"B" (ft)	"C" (ft)
21	6.062	12.124	18.187

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

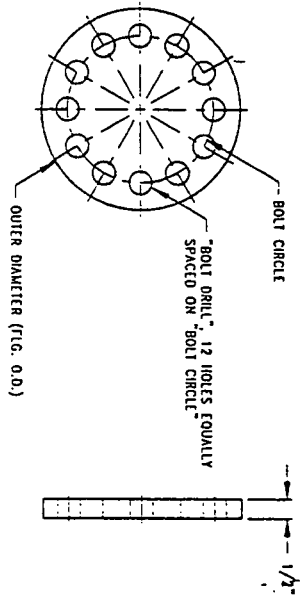
OUTER BOLT DISTANCE SHOULD BE

21 feet - 10.39 inches

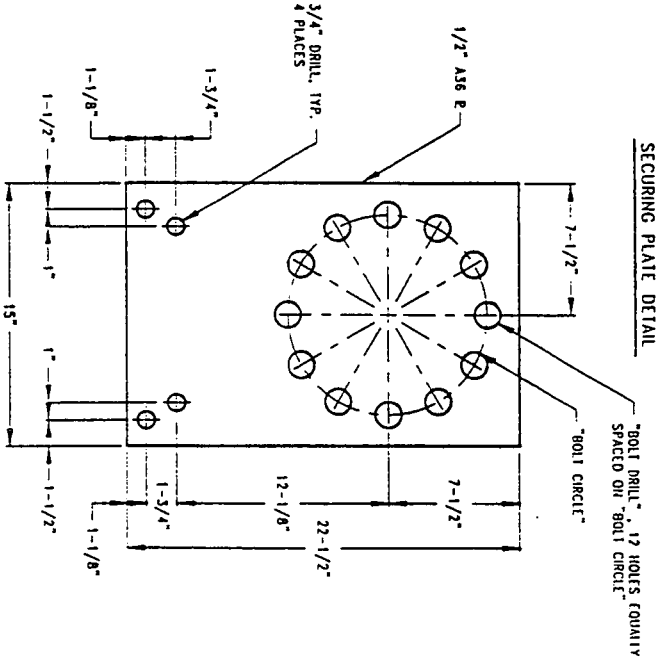
TEMPLATE ASSEMBLY



BEARING PLATE DETAIL

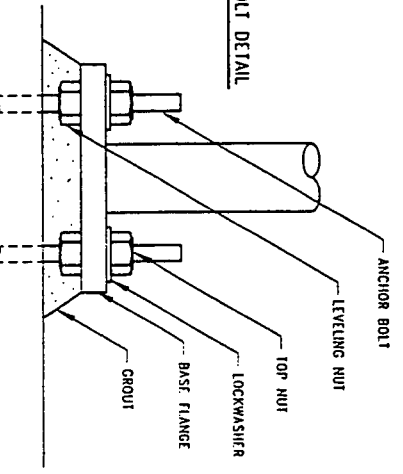
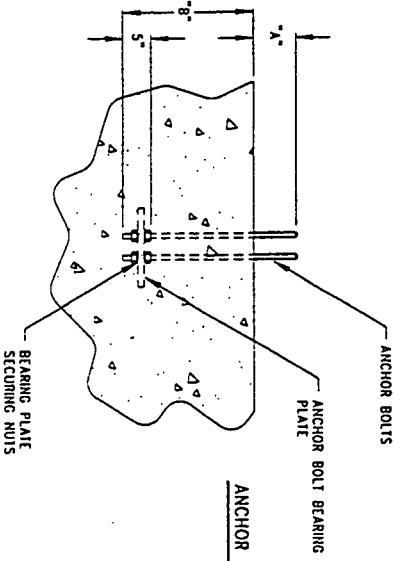


SECURING PLATE DETAIL

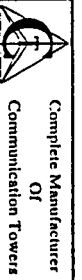
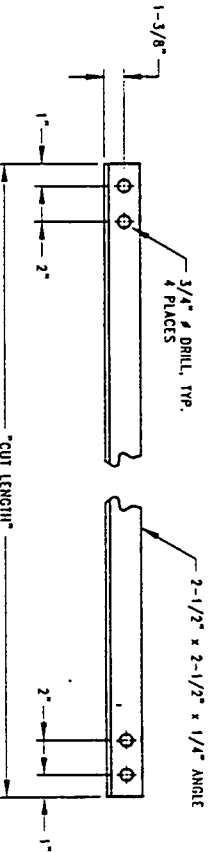


ANCHOR BOLT INSTALLATION NOTES:

- 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



Complete Manufacturer
Of
Communication Towers

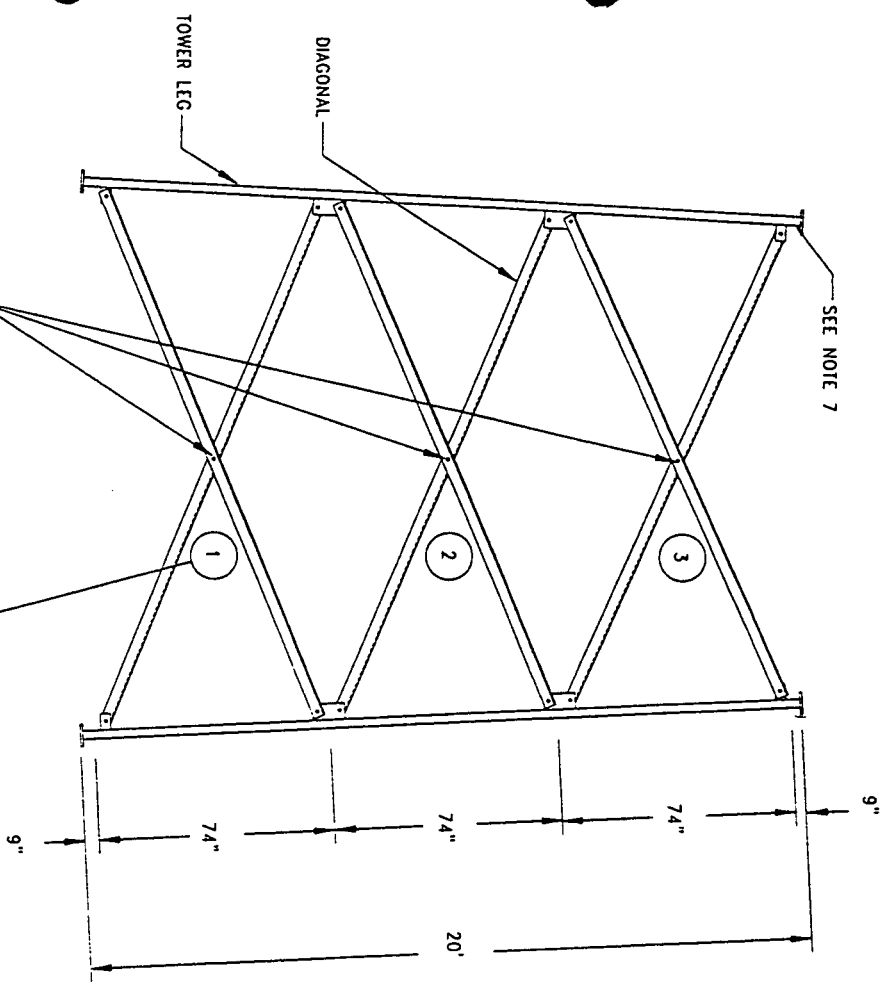
CENTRAL TOWER, INC.
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0855

12-HOLE TEMPLATE DESIGN

REVISIONS	BY	TITLE
		12-HOLE TEMPLATE DESIGN
SITE: AS REQUIRED	FOR: AS REQUIRED	PROJ. NO: AS REQ'D
DESIGNED BY: R.E.H.	DRAWN BY: R.E.H.	APP. BY: [Signature]
DATE: 2-8-94	SCALE: NO	DRAWING NO: 12-TMPLET
DISK NO: STANDARD #1	NAME: 12TMPLET	

3-BAY SECTION ASSEMBLY

STANDARD FACE



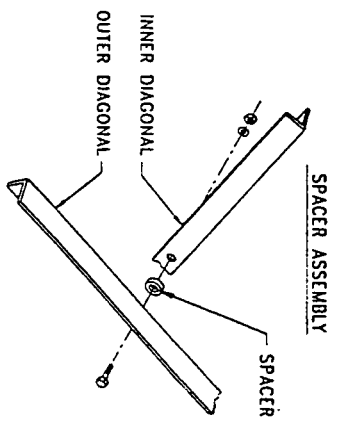
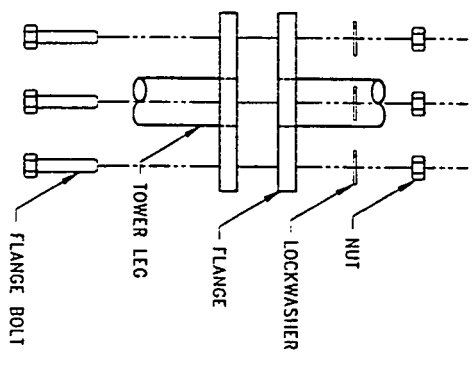
NUMBERING SYSTEM IS PROVIDED FOR INNER MEMBERS TO ENSURE PROPER INSTALLATION : (JOB NO. - C - 1)

JOB NO. _____

SECTION C

LOCATION _____

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.

<p>Complete Manufacturer of Communication Towers</p>		<p>CENTRAL TOWER INC.</p> <p>2855 LITV. RD. HEBNERVILLE, PENNSA. 17245</p>	
<p>REVISIONS</p> <p>BY _____</p>	<p>DATE</p> <p>5-27-97</p>	<p>PROJECT</p> <p>3-BAY-X INSTALLATION DRAWING</p>	<p>SCALE</p> <p>NO</p>
<p>DESIGNED BY</p> <p>W.Z.</p>	<p>DATE</p> <p>5-27-97</p>	<p>PROJECT</p> <p>3-BAY-X INSTALLATION DRAWING</p>	<p>SCALE</p> <p>NO</p>
<p>DRAWN BY</p> <p>R.E.H.</p>	<p>DATE</p> <p>5-27-97</p>	<p>PROJECT</p> <p>3-BAY-X INSTALLATION DRAWING</p>	<p>SCALE</p> <p>NO</p>

LEGS

Job No. : **SS-545**

Site Location : **Rockcastle 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	N/A	240	9	16	2.21	0.6250	16	N/A	0.0000	3	Y
B	SR	4.75	N/A	240	9	16	N/A	0.0000	12	N/A	0.0000	3	N
C	SR	4.75	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
D	SR	4.5	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
E	SR	4.5	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
F	SR	4.25	N/A	240	9	12	N/A	0.0000	12	N/A	0.0000	3	N
G	SR	4	N/A	240	9	12	N/A	0.0000	10	N/A	0.0000	3	N
H	SR	4	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
I	SR	3.75	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
J	SR	3.75	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
K	SR	3.5	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
L	SR	3.25	N/A	240	9	10	N/A	0.0000	10	2.21	0.3750	3	N

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

LEG PLATES

Job No. : **SS-545**

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

Leg Plate Dimension Information

Section	"A"	"B"	"C"	# Req'd	Minimum	
					Drill Size	Weld
A	2.4375	2.5625	0.50	24	0.8125	0.3125
B	2.4375	2.5625	0.50	24	0.8125	0.3125
C	2.4375	2.5625	0.50	24	0.8125	0.3125
D	2.4375	2.5625	0.50	24	0.8125	0.3125
E	2.4375	2.5625	0.50	24	0.8125	0.3125
F	2.4375	2.5625	0.50	24	0.8125	0.3125
G	2.4375	2.5625	0.50	24	0.8125	0.3125
H	2.4375	2.5625	0.50	24	0.8125	0.3125
I	2.5625	2.4375	0.50	24	0.8125	0.3125
J	2.5625	2.4375	0.50	24	0.8125	0.3125
K	2.5625	2.4375	0.50	24	0.8125	0.3125
L	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-545**

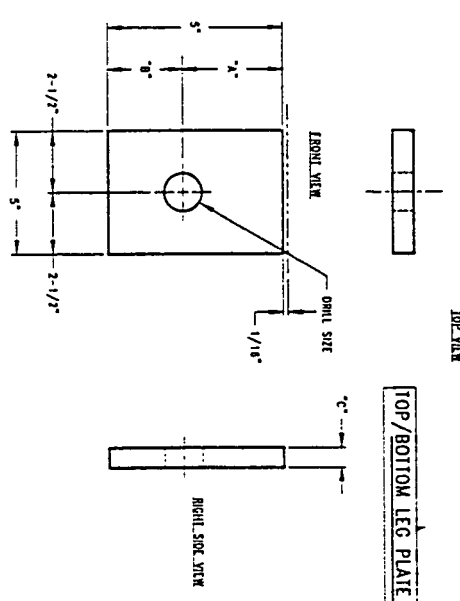
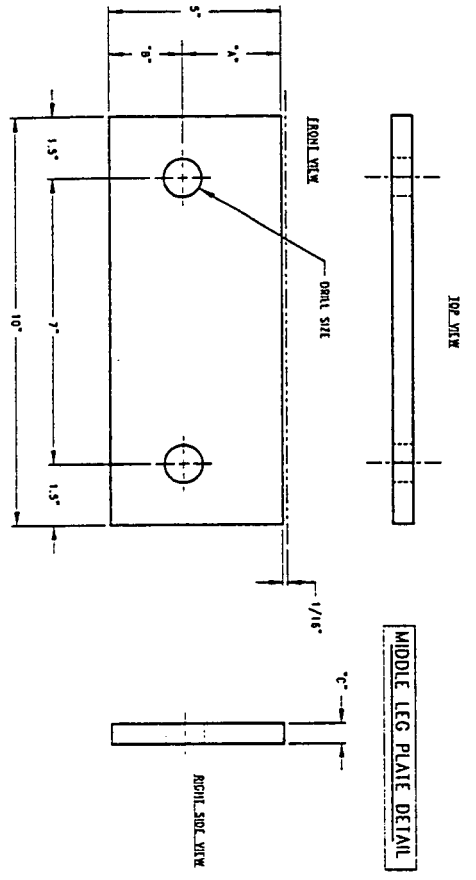
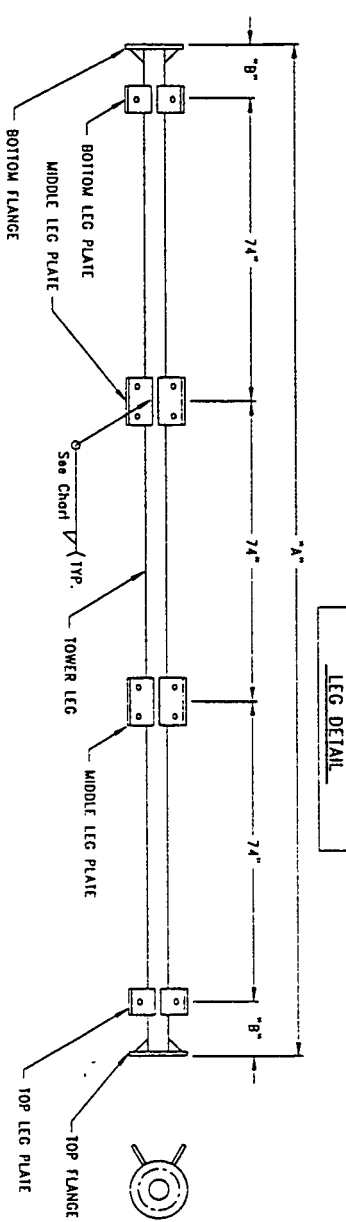
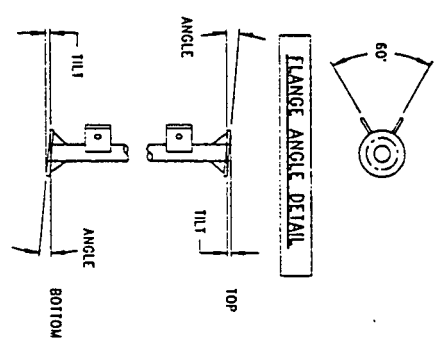
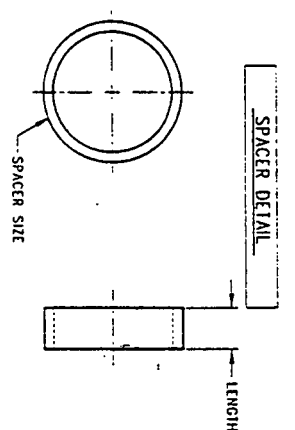
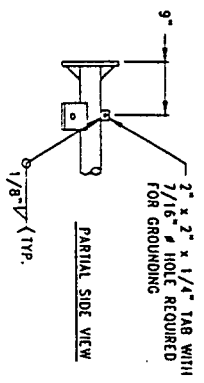
Site Location : **Rockcastle CO., KY.**

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

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: FOOT OF TOWER LEG IS REPRESENTED BY PHANTOM LINE.

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

<p>Complete Manufacturer Of Communication Towers</p>		<p>CENTRAL TOWER, INC.</p> <p>2655 HWY. 261 NEWBURGH, INDIANA 47033 912-833-0695</p>	
REVISONS	BY	TITLE	DATE
AS REQUIRED	R.E.H.	LEG WELD ASSEMBLY & SPACER DETAILS	9-9-97
AS REQUIRED	A.J.H.	SCALE	NO.
AS REQUIRED	A.J.H.	STANDARD	3-BAY-0
AS REQUIRED	A.J.H.	NAME	3BAY-0
AS REQUIRED	A.J.H.	DATE	NO.
AS REQUIRED	A.J.H.	SCALE	NO.
AS REQUIRED	A.J.H.	STANDARD	3-BAY-0
AS REQUIRED	A.J.H.	NAME	3BAY-0

FLANGE DETAIL CHART

JOB NO.

28-443

TOWER HGT.

340

BASE (F1)

LOCATION

FERRISS-CO. INT.

REGION	LOCATION	NAV	WIND	SPEED	SHR HORIZ	TSS	DPT	BOT	WIND	TOW	WIND	WELDR	WELDR	WELDR	WELDR	R/W	NO. BOLT	BOT	BOLT
A	BOTTOM	0	1,250	5,125	16,000	12,000	12,000	1,250	12	3	0.5000	N/A	N/A	N/A	N/A	20	12	1,125	800
B	TOP	20	1,250	4,875	16,000	12,000	12,000	1,250	12	3	0.5000	N/A	N/A	N/A	N/A	20	12	1,125	475
C	BOTTOM	40	1,250	4,875	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	40	6	1,125	475
D	TOP	80	1,250	4,875	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	80	6	1,125	475
E	BOTTOM	80	1,250	4,875	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	80	6	1,125	475
F	TOP	160	1,250	4,875	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	160	6	1,125	475
G	BOTTOM	160	1,250	4,875	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	160	6	1,125	475
H	TOP	320	1,250	4,375	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	320	6	1,125	475
I	BOTTOM	320	1,250	4,375	12,000	9,500	1,250	1,250	6	3	0.5000	N/A	N/A	N/A	N/A	320	6	1,125	475
J	TOP	640	1,000	3,875	10,000	7,500	7,500	1,000	6	3	0.5000	N/A	N/A	N/A	N/A	640	6	1,000	350
K	BOTTOM	640	1,000	3,875	10,000	7,500	7,500	1,000	6	3	0.5000	N/A	N/A	N/A	N/A	640	6	1,000	350
L	TOP	1,280	1,000	3,375	10,000	7,500	7,500	1,000	6	3	0.5000	N/A	N/A	N/A	N/A	1,280	6	1,000	350
M	BOTTOM	1,280	1,000	3,375	10,000	7,500	7,500	1,000	6	3	0.5000	N/A	N/A	N/A	N/A	1,280	6	1,000	350
N	TOP	2,560	1,000	2,875	10,000	7,500	7,500	1,000	4	3	0.3750	N/A	N/A	N/A	N/A	2,560	4	0,750	275
O	BOTTOM	2,560	1,000	2,875	10,000	7,500	7,500	1,000	4	3	0.3750	N/A	N/A	N/A	N/A	2,560	4	0,750	275
P	TOP	5,120	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5,120	N/A	N/A	N/A
Q	BOTTOM	5,120	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5,120	N/A	N/A	N/A

GUSSET DETAIL CHART

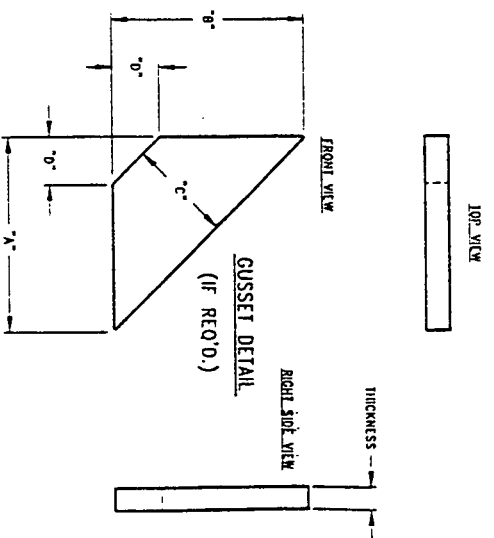
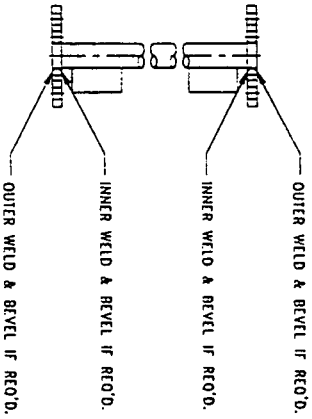
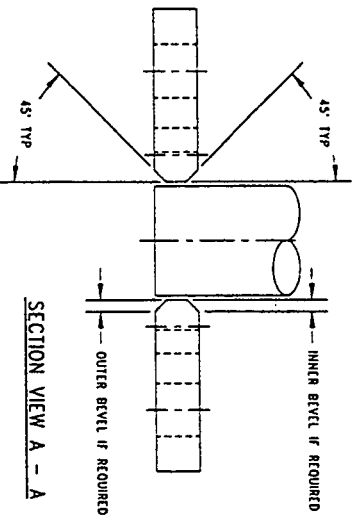
JOB NO. SS-546

TOWER HT. 300

FACE WIDTH (FT.) 21

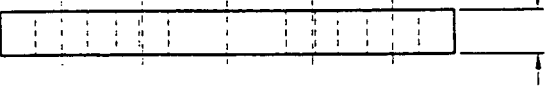
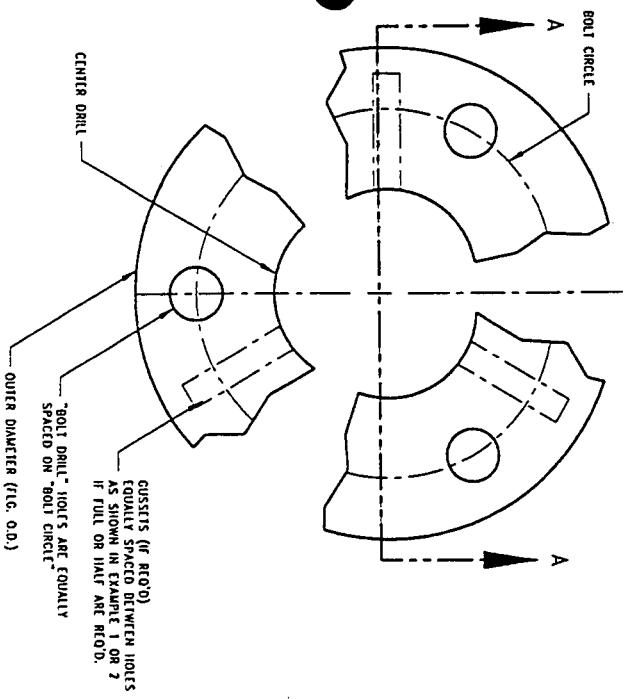
LOCATION Rockcastle Co., KY

SECTION	LOCATION	EL.	THICKNESS	"A"	"B"	"C"	"D"	TOTAL REQ'D	H/F/N	WELD	GUS./FLO./CLR.	GUS./BOLT./CLR.	ANGLE (BLT./GUS)
A	BOTTOM	0	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.50	0.04	15
A	TOP	20	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.50	0.04	15
B	BOTTOM	20	0.375	4.00	4.00	2.25	0.82	18.00	H	0.3125	1.63	0.04	15
B	TOP	40	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.83	0.33	23
C	BOTTOM	40	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.83	0.33	23
C	TOP	80	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.63	0.33	23
D	BOTTOM	80	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
D	TOP	80	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
E	BOTTOM	80	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
E	TOP	100	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
F	BOTTOM	100	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.88	0.33	23
F	TOP	120	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.88	0.33	23
G	BOTTOM	120	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	1.00	0.33	23
G	TOP	140	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.50	0.43	30
H	BOTTOM	140	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.50	0.43	30
H	TOP	160	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.50	0.43	30
I	BOTTOM	160	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.83	0.43	30
I	TOP	180	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.83	0.43	30
J	BOTTOM	180	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.83	0.43	30
J	TOP	200	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.63	0.53	30
K	BOTTOM	200	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
K	TOP	220	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
L	BOTTOM	220	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.88	0.53	30
L	TOP	240	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.88	0.53	30
M	BOTTOM	240	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	1.25	0.53	30
M	TOP	260	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
N	BOTTOM	260	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
N	TOP	280	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
O	BOTTOM	280	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
O	TOP	300	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

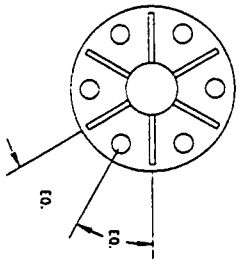


FLANGE DETAIL

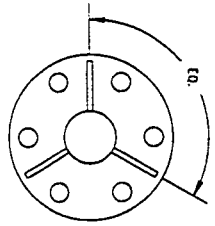
THICKNESS



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.



Complete Manufacturer
Of
Communication Towers

CENTRAL TOWER, INC.

2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0305

FLANGE & GUSSET SIZING DETAILS

REVISIONS	BY	TITLE	FOR	AS REQUIRED	DATE	SCALE	STANDARD	NAME	FL-G-N
		FLANGE & GUSSET SIZING DETAILS	FOR	AS REQUIRED	5-24-99	NO	#1	FL-G-N	FL-G-N
			DATE	5-24-99					
			DISK NO.						
			PROJ. NO.	AS REQ'D.					
			DRAWN BY	A.J.H.					
			CHECKED BY	R.E.H.					
			DATE						
			SITE	AS REQUIRED					
			PROJ. NO.	AS REQ'D.					

DIAGONALS

Job No. :

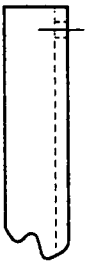
SS-545

Site Location :

Rockcastle CO., KY

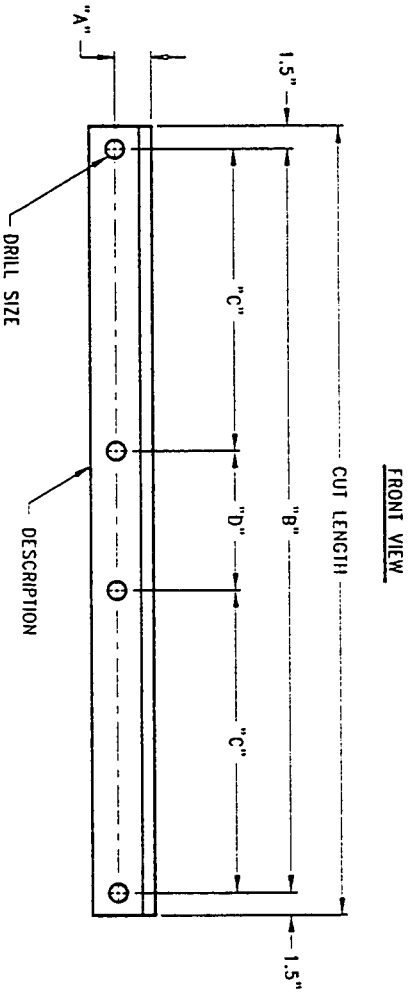
Diagonal Dimension Information

'LABEL	Location	#	Description	"A"	"B"	"C"	"D"	Cut Length	Req'd	Drill Size
A	1	3	3.5 x 3.5	1.88	249.22	123.39	2.45	252.22	6	0.8125
A	2	3	3.5 x 3.5	1.88	243.40	120.54	2.32	246.40	6	0.8125
A	3	3	3.5 x 3.5	1.88	239.55	118.55	2.46	242.55	6	0.8125
B	1	3	3.5 x 3.5	1.88	234.16	115.05	2.46	237.16	6	0.8125
B	2	3	3.5 x 3.5	1.88	228.30	112.98	2.34	231.30	6	0.8125
B	3	3	3.5 x 3.5	1.88	224.55	111.04	2.48	227.55	6	0.8125
C	1	3	3 x 3	1.66	218.95	108.24	2.48	221.95	6	0.8125
C	2	3	3 x 3	1.66	213.05	105.35	2.35	216.05	6	0.8125
C	3	3	3 x 3	1.66	209.42	103.46	2.50	212.42	6	0.8125
D	1	3	3 x 3	1.66	204.10	100.80	2.50	207.10	6	0.8125
D	2	3	3 x 3	1.66	198.16	97.89	2.37	201.16	6	0.8125
D	3	3	3 x 3	1.66	194.66	96.07	2.52	197.66	6	0.8125
E	1	3	2.5 x 2.5	1.44	189.17	93.32	2.53	192.17	6	0.8125
E	2	3	2.5 x 2.5	1.44	183.18	90.39	2.40	186.18	6	0.8125
E	3	3	2.5 x 2.5	1.44	179.83	88.64	2.55	182.83	6	0.8125
F	1	3	2.5 x 2.5	1.41	174.65	86.04	2.57	177.65	6	0.8125
F	2	3	2.5 x 2.5	1.41	168.62	83.09	2.43	171.62	6	0.8125
F	3	3	2.5 x 2.5	1.41	165.46	81.43	2.60	168.46	6	0.8125
G	1	3	2.5 x 2.5	1.41	160.36	78.87	2.62	163.36	6	0.8125
G	2	3	2.5 x 2.5	1.41	154.29	75.91	2.48	157.29	6	0.8125
G	3	3	2.5 x 2.5	1.41	151.36	74.35	2.66	154.36	6	0.8125
H	1	3	2.5 x 2.5	1.34	146.16	71.74	2.68	149.16	6	0.8125
H	2	3	2.5 x 2.5	1.34	140.05	68.75	2.54	143.05	6	0.8125
H	3	3	2.5 x 2.5	1.34	137.40	67.33	2.74	140.40	6	0.8125
I	1	3	2.5 x 2.5	1.34	132.37	64.80	2.78	135.37	6	0.8125
I	2	3	2.5 x 2.5	1.34	126.23	61.80	2.63	129.23	6	0.8125
I	3	3	2.5 x 2.5	1.34	123.93	60.54	2.86	126.93	6	0.8125
J	1	3	2 x 2	1.13	119.13	58.11	2.91	122.13	6	0.8125
J	2	3	2 x 2	1.13	112.99	55.11	2.77	115.99	6	0.8125
J	3	3	2 x 2	1.13	111.14	54.05	3.04	114.14	6	0.8125
K	1	3	2 x 2	1.09	106.83	51.85	3.13	109.83	6	0.8125
K	2	3	2 x 2	1.09	100.73	48.87	2.99	103.73	6	0.8125
K	3	3	2 x 2	1.09	99.47	48.07	3.33	102.47	6	0.8125
L	1	3	2 x 2	1.09	95.56	46.04	3.48	98.56	6	0.8125
L	2	3	2 x 2	1.09	89.58	43.11	3.36	92.58	6	0.8125
L	3	3	2 x 2	1.09	89.05	42.60	3.84	92.05	6	0.8125



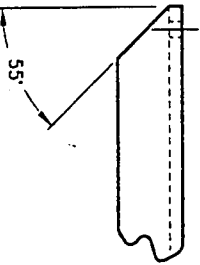
PARTIAL TOP VIEW


DIAGONAL DETAIL

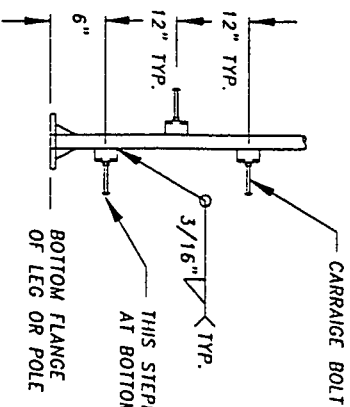
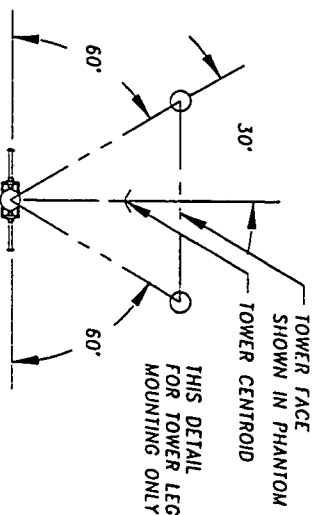


FRONT VIEW

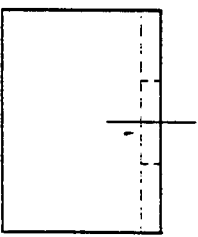
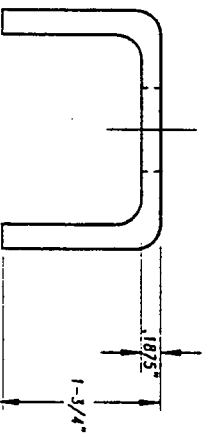
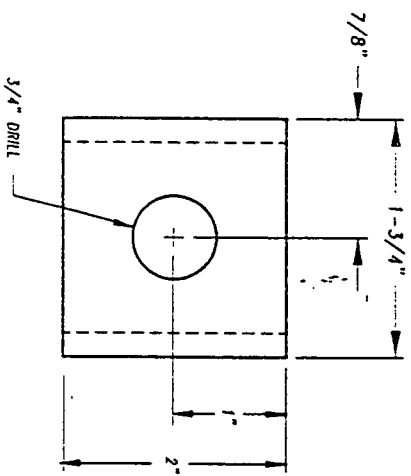
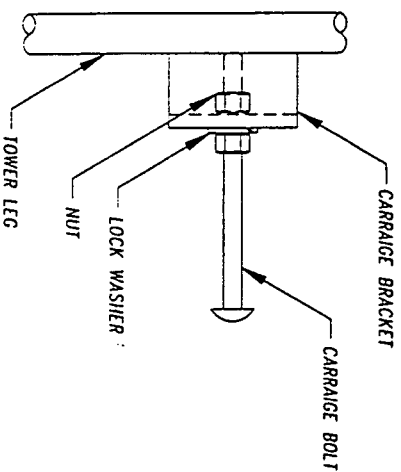
COPE DETAIL
4" x 4" AND 5" x 5" ANGLE ONLY!



 <p>Complete Manufacturer Of Communication Towers</p>		<p>CENTRAL TOWER, INC. 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0505</p>	
REVISIONS	BY	TITLE:	DIAGONAL MEMBER DETAILS FOR SECTION
		SITE:	AS REQUIRED
		DESIGNED BY:	R. E. H.
		DATE:	11-03-97
		FOR:	AS REQUIRED
		DRAWN BY:	R. E. H.
		SCALE:	NO
		NAME:	INNER-D
		PROJ. NO. AS REC'D	
		APP. BY:	
		DRAWING NO.:	INNER-D
		DISK NO.:	
		STANDARD #1	



CARRIAGE BOLT ASSEMBLY



Complete Manufacturer Of Communication Towers

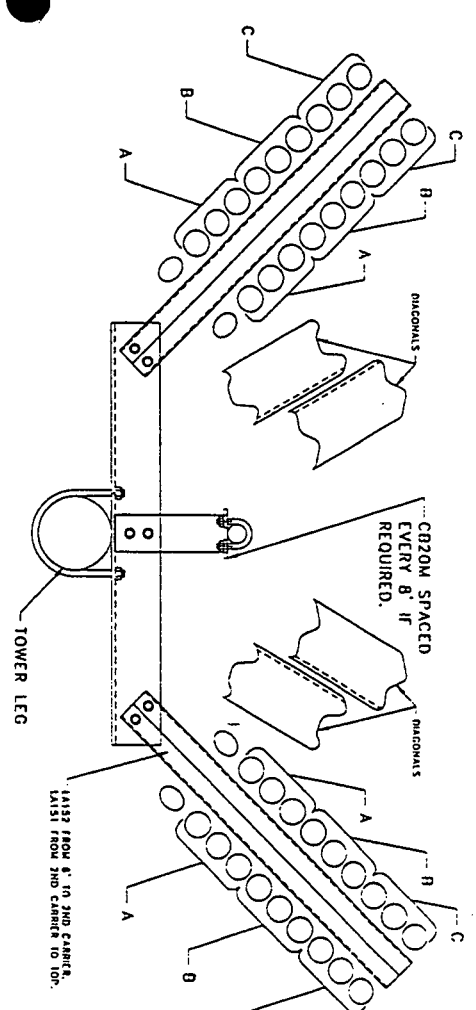
CENTRAL TOWER, INC.
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595

REVISIONS
CHANGED ORIENTATION
2-3-98
Anchor Bolt CLR. Note
3-12-99

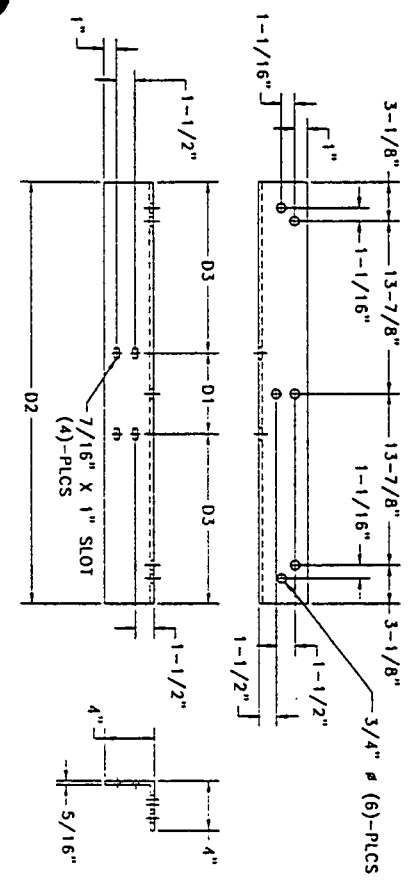
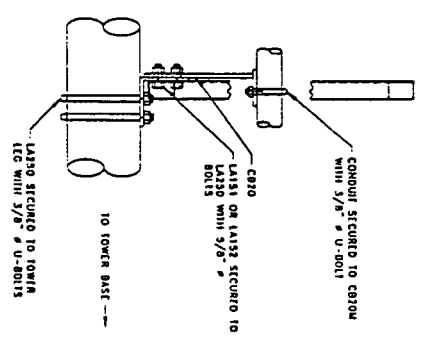
BY R.E.H.
A.J.H.

TITLE: CARRIAGE BOLT ASSEMBLY (TOWER LEG)
SITE: AS REQ'D
DESIGNED BY: R.E.H.
DATE: 10-31-96
FOR: AS REQ'D
DRAWN BY: R.E.H.
SCALE: NO
PROJ. NO: AS REQ'D
APP. BY: [Signature]
DRAWING NO: LA97M

DISK NO: L#1
NAME: LA97M



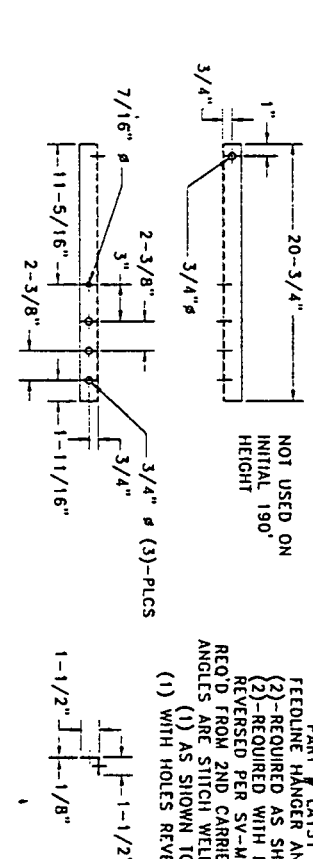
A - TOP CARRIER FEEDLINE LOCATION
 B - SECOND CARRIER FEEDLINE LOCATION
 C - THIRD CARRIER FEEDLINE LOCATION



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

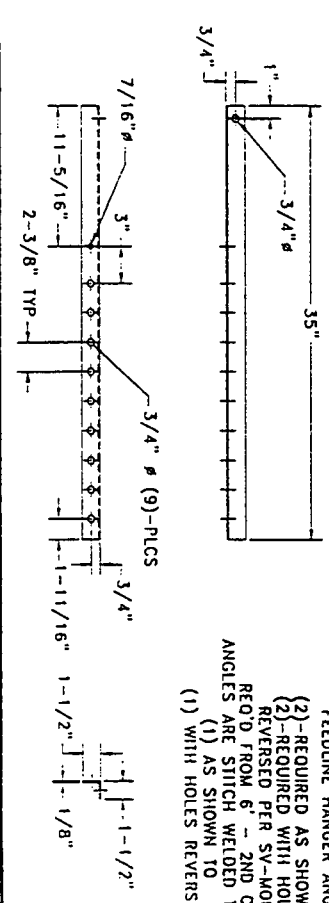
LEG SIZE	"D1"	"D2"	"D3"	NO. REQ'D LEG 1	NO. REQ'D LEG 2	TOTAL NO. REQ'D
5-1/4" - 6"	6-1/8"	34"	13-15/16"	N/A	N/A	N/A
4-1/4" - 5"	5-1/8"	34"	14-7/16"	29	N/A	29
3-1/4" - 4"	4-1/8"	34"	14-15/16"	30	N/A	30
2-1/4" - 3"	3-1/8"	34"	15-7/16"	10	N/A	10
1-1/4" - 2"	2-1/8"	34"	15-15/16"	5	N/A	5

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) TYP. 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. (AMP.)
 6) SV-MOUNT IS DESIGNED FOR CLEARANCE OF 4" ANGLES.

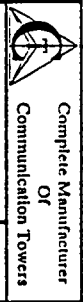


NOT USED ON INITIAL 190' HEIGHT

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



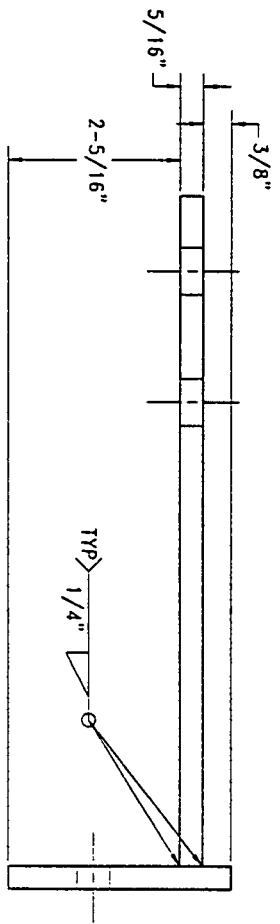
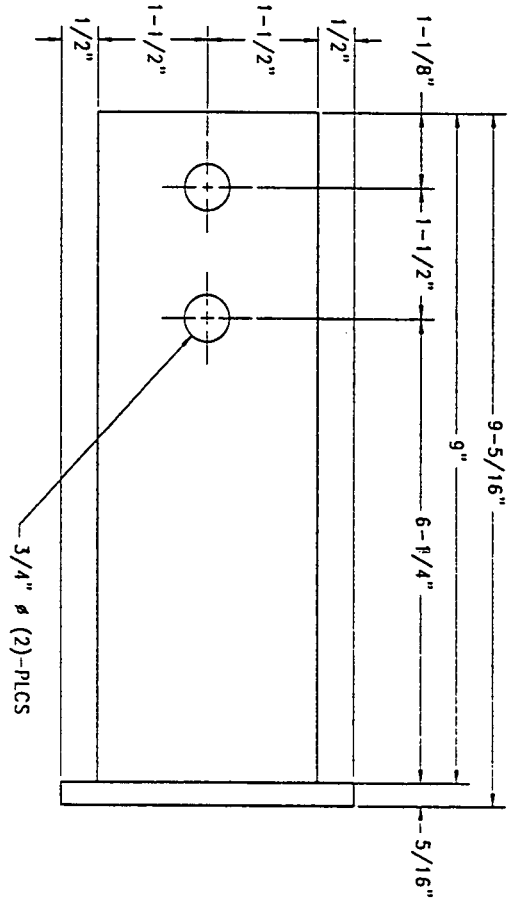
PART # LA152
 FEEDLINE HANGER ANGLE
 (2)-REQUIRED AS SHOWN.
 (2)-REQUIRED WITH HOLES REVERSED PER SV-MOUNT.
 REQ'D FROM 6" - 2ND CARRIER ANGLES ARE STITCH WELDED TOGETHER
 (1) AS SHOWN TO
 (1) WITH HOLES REVERSED.



Complete Manufacturer of Communication Towers
CENTRAL TOWER, INC.
 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595

REVISIONS	BY	TITLE
		SV-MOUNT ASSEMBLY

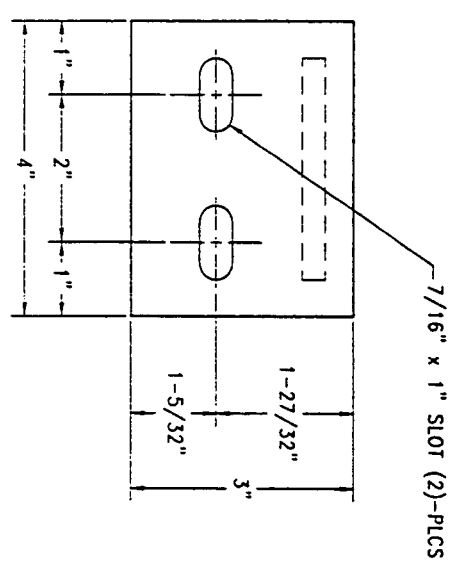
DATE: 6-14-99	SCALE: NO	DRWING NO: SV-3C-S3684
DISIGNED BY: R.E.H.	DRAWN BY: A.J.H.	DATE: 6-14-99
DATE: 6-14-99	SCALE: NO	DRWING NO: SV-3C-S3684
DISIGNED BY: R.E.H.	DRAWN BY: A.J.H.	DATE: 6-14-99



PART # CB20M

NOTES:

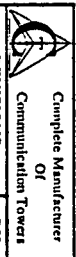
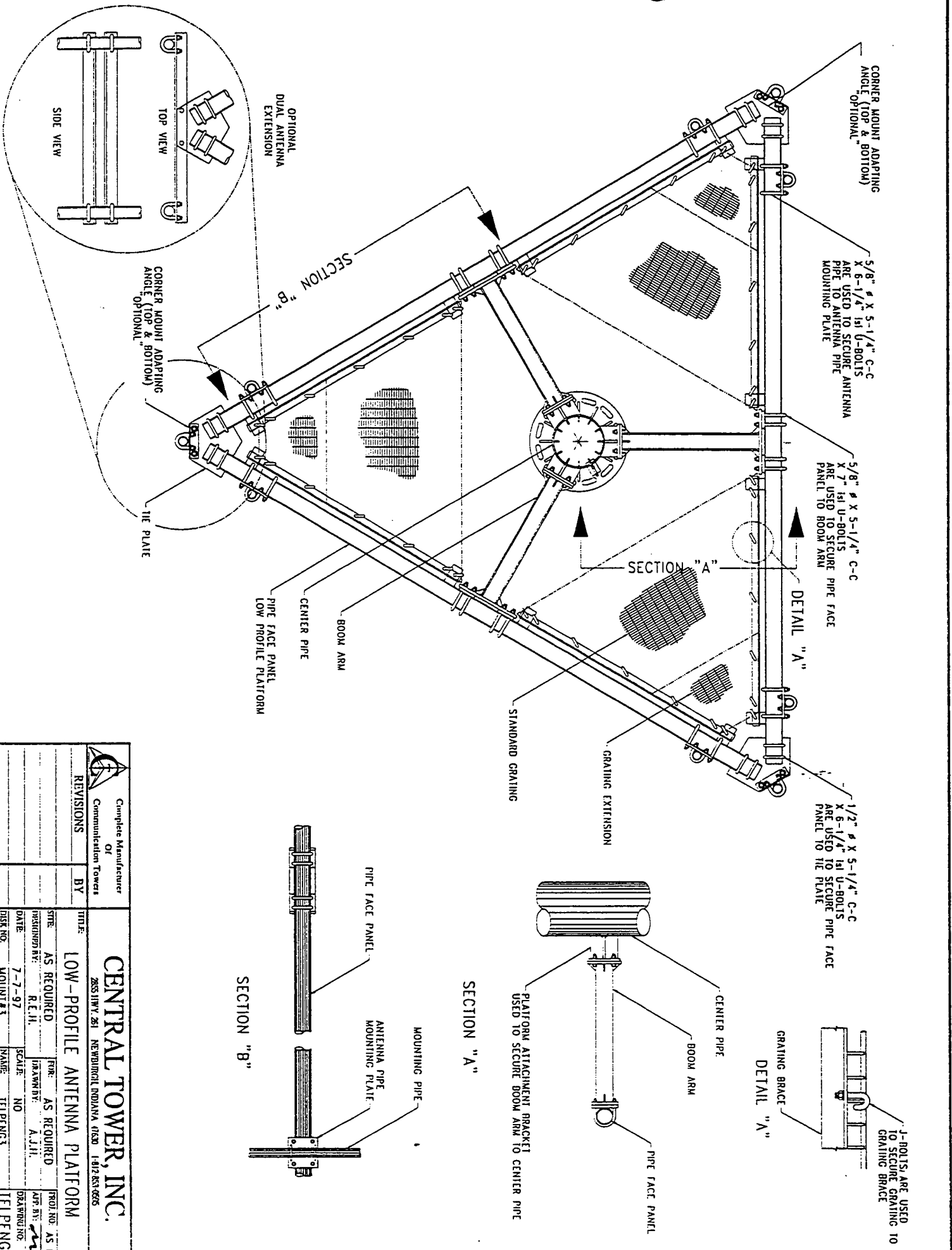
- 1) SPACED EVERY 4' APPROXIMATELY.
- 2) IF CONDUIT IS NOT INITIALLY INSTALLED, THE CONDUIT BRACKET CAN BE LEFT OFF SO AS TO THE WRAP STROBE CABLE TO THE CONDUIT BRACKET MOUNTING HOLES ON THE T-MOUNT.



Complete Manufacturer
Of
Communication Towers

CENTRAL TOWER, INC.
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0505

REVISIONS	BY	DATE	DISK NO.	CR#17	FOR: AS REQUIRED	SCALE: NO	NAME: CR20M	PROJ NO: AS REQ'D	APR BY: A.J.H.	DRAWING NO: CR20M
		1-14-98			AS REQUIRED	NO	CR20M		A.J.H.	CR20M

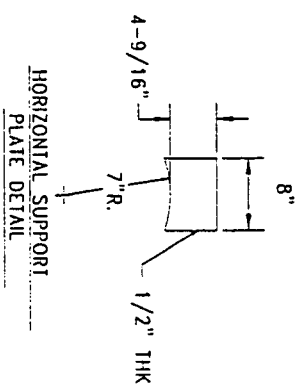
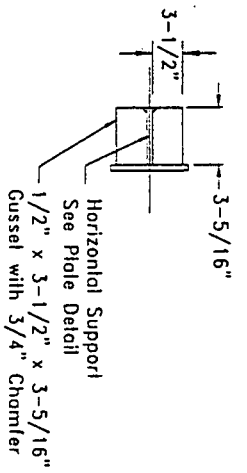
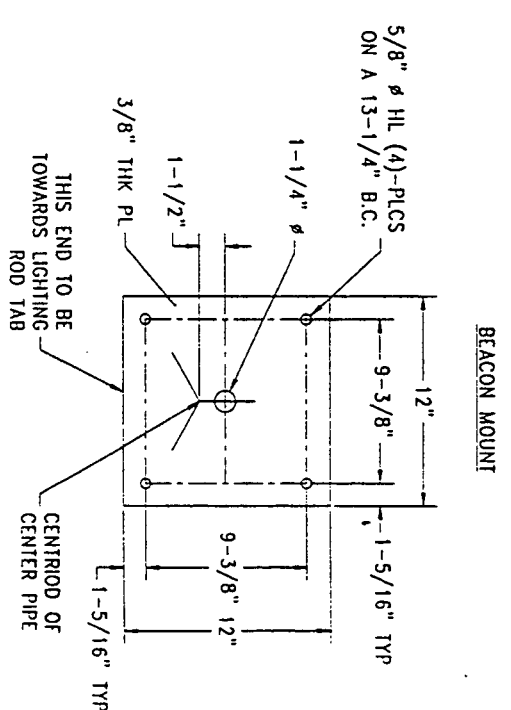
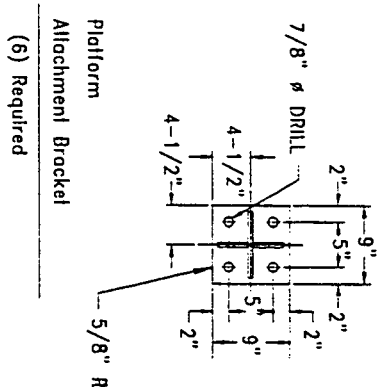
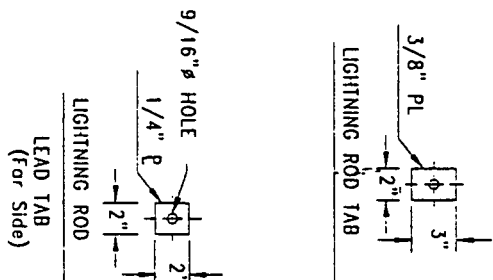
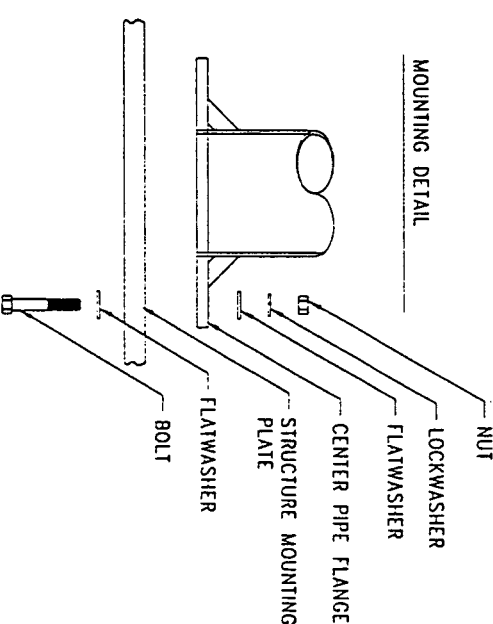
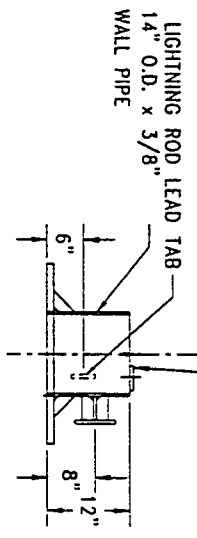
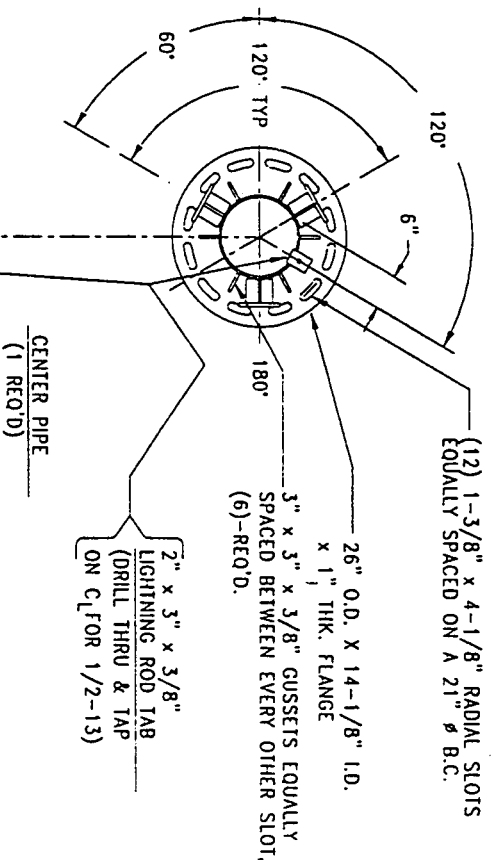


CENTRAL TOWER, INC.

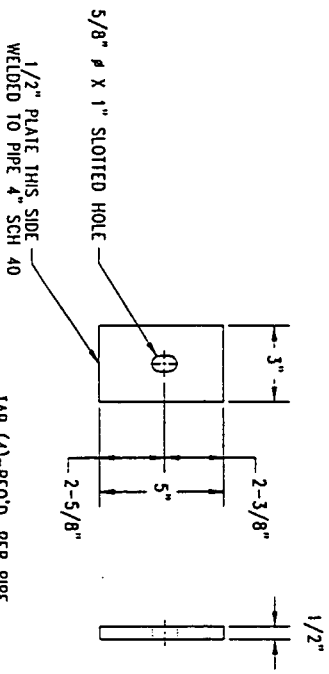
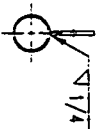
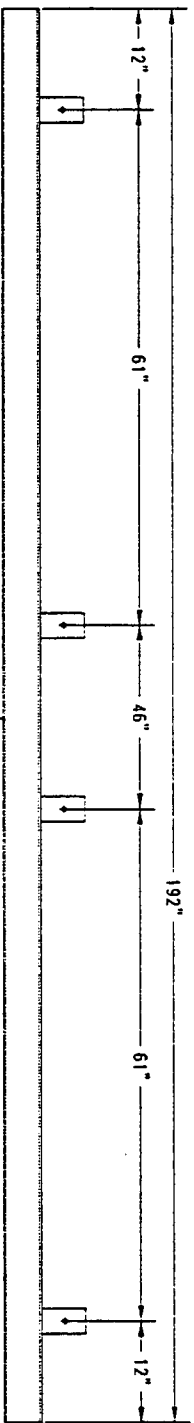
Complete Manufacturer
Of
Communication Towers

2851 HWY. 281, NEW BRUNSWICK, INDIANA 47025-0005

REVISIONS	BY	TITLE
AS REQUIRED	R.E.H.	LOW-PROFILE ANTENNA PLATFORM
7-7-97	SCALE: NO	PROJ. NO. AS RCD/D
MOUNT #3	NAME: TFLPENG3	DRAWING NO. TFLPENG3



		Complete Manufacturer OF Communication Towers	
<h1>CENTRAL TOWER, INC.</h1> <p>2825 HWY. 261 NEWBURGH, INDIANA 47630 (812) 653-0295</p>			
REVISIONS GUSSETS FOR PIPE	BY A.J.H.	TITLE 14" CENTER PIPE FOR LOW PROFILE ROTATABLE PLATFORM ATTACHMENT	DATE 7-23-98
DESIGNED BY R.E.H.	FOR AS REQUIRED	DRAWN BY R.E.H.	SCALE NO
INSTR. NO. 	DATE 	PROJ. NO. AS REC'D	DRAWING NO.



IAB (4) - REQ'D. PER PIPE

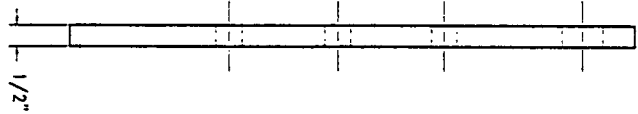
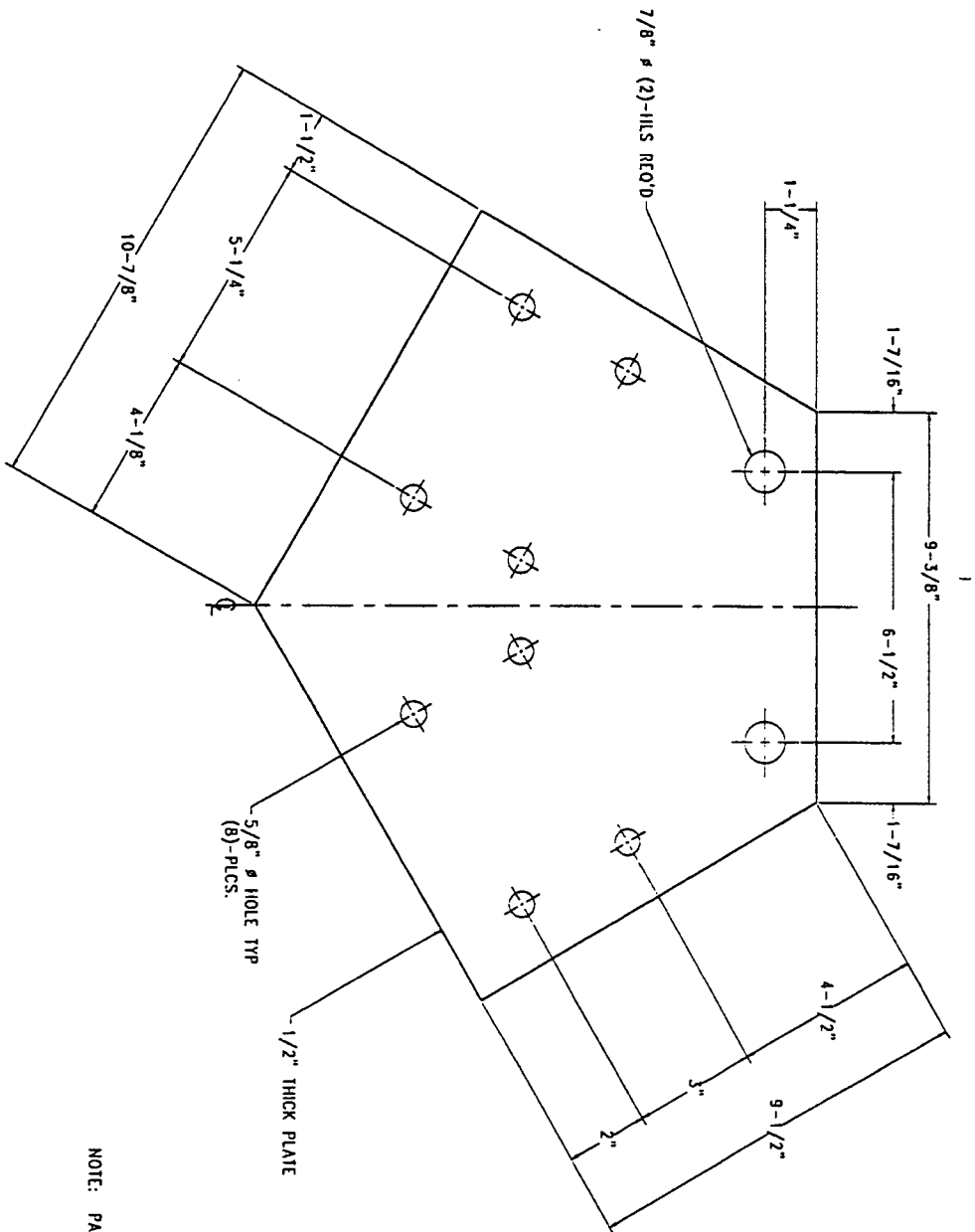


Complete Manufacturer
Of
Communication Towers

CENTRAL TOWER, INC.

2855 HWY 261 NEWBURGH, INDIANA 47650 1-812-653-6695

REVISIONS	BY	TITLE
		PIPE FACE PANEL FOR 16' FACE LOW PROFILE PLATFORM
		FOR: AS REQUIRED
		DESIGNED BY: R.E.H.
		DATE: 7-23-98
		DRAWN BY: A.J.H.
		SCALE: NO
		DRAWING NO: 11 DFD-16
		PROJ. NO: AS REQ'D
		APP. BY: [Signature]
		DISK NO: 101111721
		INSTR: INFO: 16



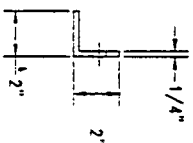
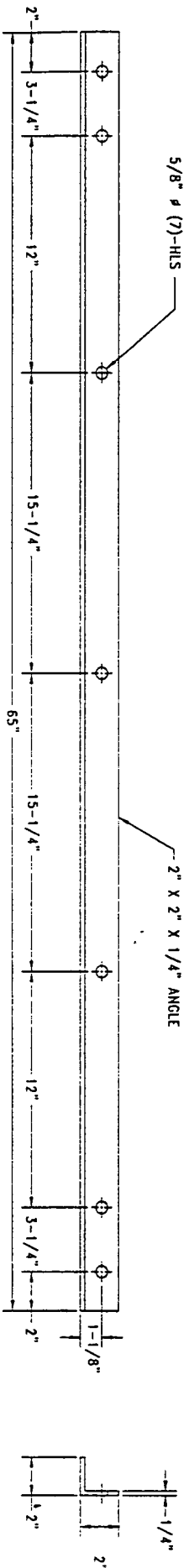
NOTE: PART IS SYMMETRICAL ACROSS LINE MARKED Q




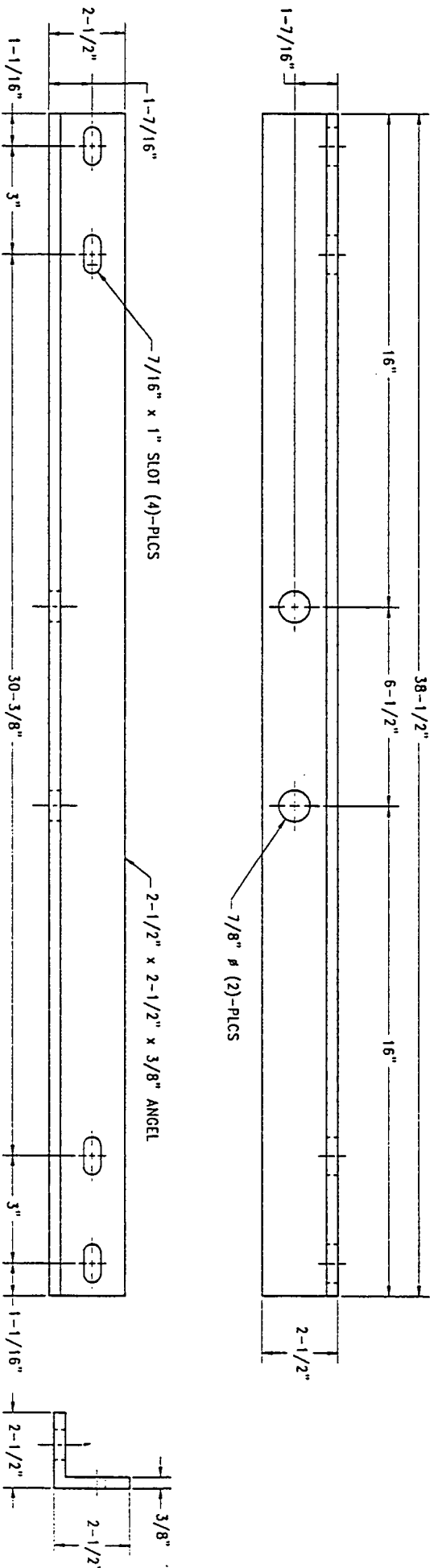
Complete Manufacturer
Of
Communication Towers

CENTRAL TOWER, INC.
2853 HWY. 241 NEWBURGH, INDIANA 47530 1-912-453-0636

REVISIONS	BY	TITLE	FOR:	AS REQUIRED	DATE	SCALE	NO	DRAWING NO.
		TIE PLATE	AS REQUIRED	NO	6-11-97			TTIP-1
			DESIGNED BY:	R.E.H.				
			DRAWN BY:	A.J.H.				
			DATE					
			DIST. NO.					
			MOUNT #3					
			NAME					
			TTIP-1					
			FOR: AS REQUIRED					
			DRAWING NO.					
			ATTN: AS REQ'D					
			TTIP-1					



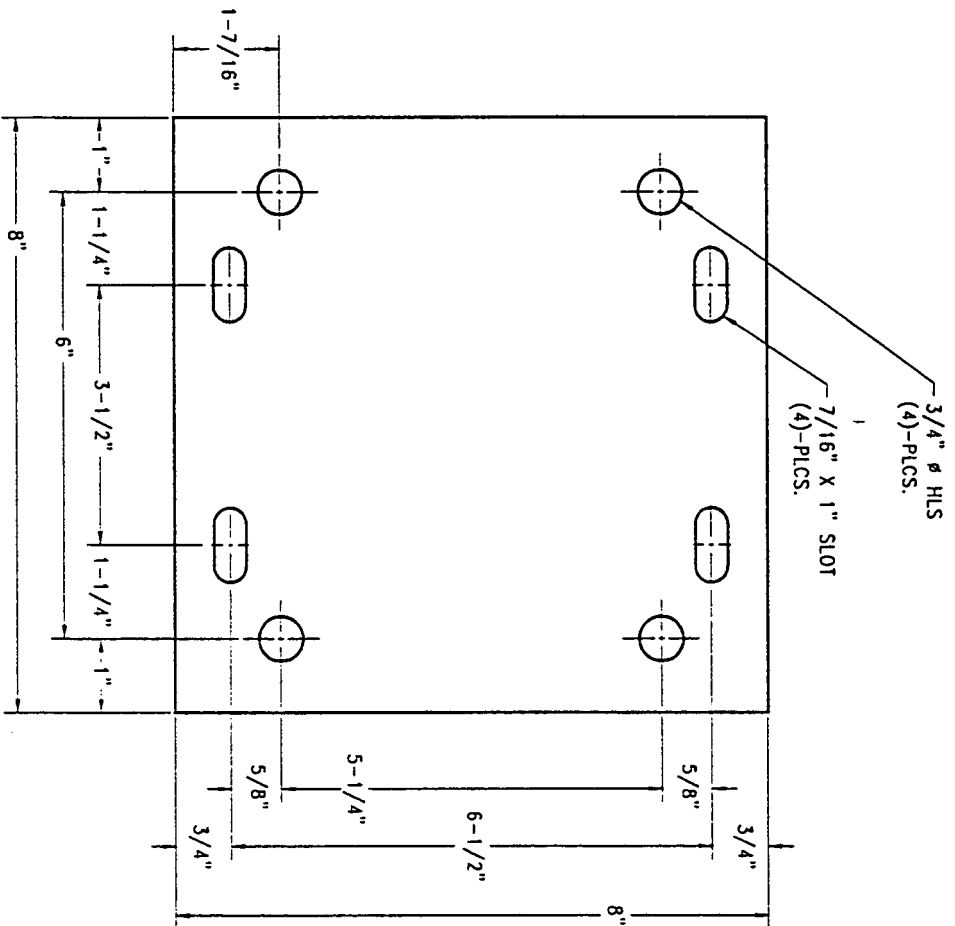
 Complete Manufacturer Of Communication Towers		CENTRAL TOWER, INC. <small>2851 HWY. 501, NEWBRIDGE, FLORIDA, 32561</small>	
TITLE:	GRATING BRACE		
REVISED BY:	BY:	DATE:	DATE:
AS REQUIRED	AS REQUIRED	6-17-97	MONITOR
R.E.H.	A.J.H.	NO	PRG-14
PRG. NO. 43	AS REC'D.	DATE:	DATE:
AP. BY:	AP. BY:	DATE:	DATE:
DATE:	DATE:	DATE:	DATE:
DATE:	DATE:	DATE:	DATE:
DATE:	DATE:	DATE:	DATE:
DATE:	DATE:	DATE:	DATE:



Complete Manufacturer
Of
Communication Towers

CENTRAL TOWER, INC.
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0955

REVISIONS	BY	TITLE
		DUAL ANTENNA EXTENSION
		STATE: AS REQUIRED
		DESIGNED BY: R.E.H.
		DATE: 7-23-98
		DISK NO: MOUNT#3
		FOR: AS REQUIRED
		DRAWN BY: A.J.H.
		SCALE: NO
		DATE: 7-23-98
		DISK NO: MOUNT#3
		MP111P-N2
		MP111P-N2



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

Complete Manufacturer
 Of
 Communication Towers

REVISIONS

BY

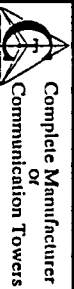
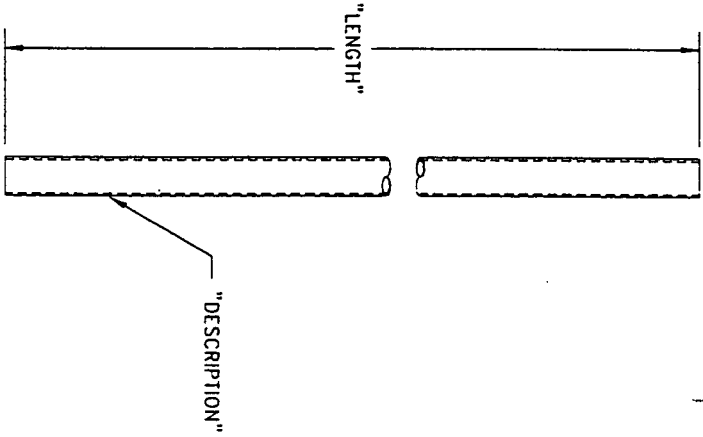
CENTRAL TOWER, INC.
 2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0905

TITLE: ANTENNA PIPE MOUNTING PLATE

DATE: 6-11-97	SCALE: NO	NAME: WPT/P-1	PROJ. NO: AS REQ'D
DESIGNED BY: R.E.H.	DRAWN BY: A.J.H.		APP. BY: [Signature]
SITE: AS REQUIRED	FOR: AS REQUIRED		DRAWING NO: WPT/P-1
DISK NO: MOUNT #3			

PART DETAIL CHART

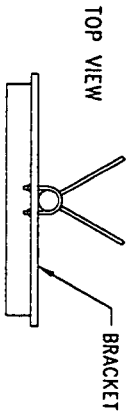
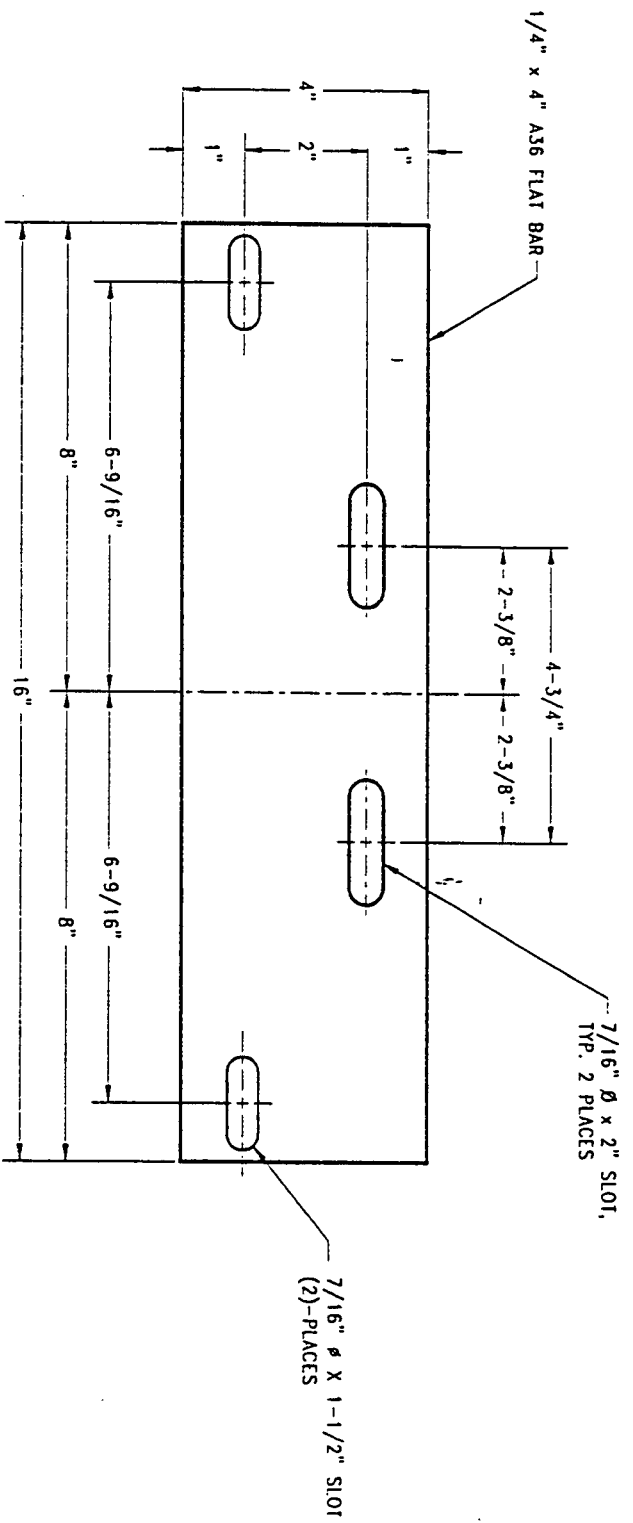
PART NO.	"DESCRIPTION"	"LENGTH"
P2040-63	2" SCH 40 PIPE	63"
P2040-84	2" SCH 40 PIPE	84"
P2040-96	2" SCH 40 PIPE	96"
P2040-252	2" SCH 40 PIPE	252"
P2540-63	2-1/2" SCH 40 PIPE	63"
P2540-84	2-1/2" SCH 40 PIPE	84"
P2540-96	2-1/2" SCH 40 PIPE	96"
P2540-252	2-1/2" SCH 40 PIPE	252"
P3040-63	3" SCH 40 PIPE	63"
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"



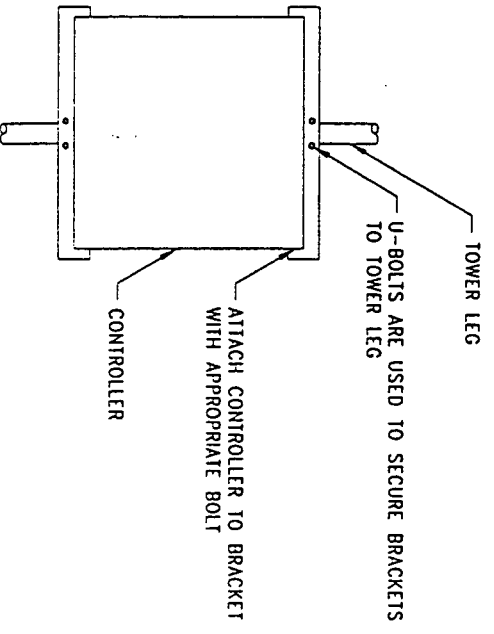
CENTRAL TOWER, INC.
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-6695

STANDARD PIPE PARTS LIST

REVISIONS	BY	TITLE:	FOR:	PROJ. NO.:
			AS REC'D	AS REC'D
		DESIGNED BY: R.E.H.	DRAWN BY: R.E.H.	DRAWING NO.:
		DATE: 7-23-98	SCALE: NO	PIPE-P11
		DISK NO. MOUNT #3	NAME: PIPE-P11	



FRONT VIEW



BRACKET INSTALLATION

NOTES:

- 1) BRACKET SUPPORTS THE FOLLOWING CONTROLLERS :
 - a.) TWR : E-1
 - b.) FLASH: FTB312
- 2) TWO BRACKETS REQUIRED PER CONTROLLER.
- 3) BRACKET MOUNTS TO 2-3/4" Ø THRU 6" Ø LEG .


 Complete Manufacturer Of Communication Towers		CENTRAL TOWER, INC. 2851 HWY. 261 NEWBURGH, INDIANA 47630 (812) 853-0595	
REVISIONS	BY	TITLE:	FOR: SEE NOTE #1
		SITE: AS REC'D.	PROJ. NO.: AS REC'D.
		DESIGNED BY: R.E.H.	APP. BY:
		DATE: 7-8-99	SCALE: NO
		DRAWN BY: A.J.H.	DRAWING NO:
		DISTR. NO. RED#21	NAME: L B 1 1 M
			L B 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 Report for Crown Site # 311KY-Mt. Vernon

There are no commercial towers or structures suitable for collocation within a two-mile radius of the proposed Mt Vernon tower.

A map is included with this report which shows the location of the proposed tower. The two circles centered on the proposed Crown tower have been plotted with a one-mile radius and a two-mile radius for reference.

Prepared by:

Rodney Strong
Site Acquisition Specialist
CROWN COMMUNICATION INC.
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299
Telephone: (502) 240-0044

EXHIBIT G
APPLICATION TO KENTUCKY AIRPORT ZONING COMMISSION

KENTUCKY TRANSPORTATION CABINET, DIVISION OF AERONAUTICS, 129 HOLMES STREET, FRANKFORT KY 40622

AERONAUTICAL STUDY NUMBER

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER
A STRUCTURE**

1. NATURE OF PROPOSAL

2. DESCRIPTION OF STRUCTURE

A. TYPE

B. CLASS

C. WORK SCHEDULE

NEW CONSTRUCTION

PERMANENT

BEGIN 9/18/99

ALTERATION

TEMPORARY

END 10/18/99

3A. APPLICANT - NAME, ADDRESS & TELEPHONE

Christine A. Verre, Regulatory Administrator
Crown Communication Inc.
375 Southpointe Boulevard
Canonsburg, PA 15317

Please see attached.

B. REPRESENTATIVE OF APPLICANT - NAME, ADDRESS & TELEPHONE

4. LOCATION OF STRUCTURE

5. HEIGHT & ELEVATION

A. GEOGRAPHIC COORDINATES (NEAREST SECOND)

B. NEAREST KY CITY

C. NEAREST KY AIRPORT

A. SITE ELEVATION (ABOVE MEAN SEA LEVEL)

Mount Vernon

LOZ:London-Corbin ARPT - Magee FL

1381'

LATITUDE

(1) DISTANCE TO 4B

(1) DISTANCE TO RUNWAY

B. HEIGHT OF STRUCTURE INCLUDING APPURTENANCES AND LIGHTS (ABOVE GROUND LEVEL)

37-18-57.06

17.3032 nm

325'

LONGITUDE

(2) DIRECTION TO 4B

(2) DIRECTION TO AIRPORT

C. OVERALL HEIGHT (AMSL) (A-B)

84-17-49.69

NW

1706'

6. OBSTRUCTION MARKING & LIGHTING

YES

NO

A. MARKED FOR THE PROTECTION OF AIR NAVIGATION (FLAGS, SPHERES, ETC.)

B. OBSTRUCTION MARKED IN ACCORDANCE WITH 602KARS:100 (FAA AC 70/7460-1J)

C. OBSTRUCTION LIGHTED IN ACCORDANCE WITH 602KARS:100 (FAA AC 70/7460-1J)

7. HAS "NOTICE OF CONSTRUCTION OR ALTERATION" (FORM 7460-1) BEEN FILED WITH THE FEDERAL AVIATION ADMINISTRATION? IF SO, WHEN?

yes

August 18, 1999

8. CERTIFICATION - I HEREBY CERTIFY THAT ALL THE ABOVE STATEMENTS MADE BY ME ARE TRUE, COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY

CA Verre

DATE

August 19, 1999

NAME (PRINTED), SIGNATURE & TITLE **Christine A. Verre, Regulatory Administrator**

PENALTIES - PERSONS FAILING TO COMPLY WITH KENTUCKY REVISED STATUTES AND KENTUCKY AIRPORT ZONING COMMISSION ADMINISTRATIVE REGULATIONS ARE LIABLE FOR FINES OR IMPRISONMENT AS SET FORTH IN KRS 180.990(3). NON-COMPLIANCE WITH FEDERAL AVIATION ADMINISTRATION REGULATIONS MAY RESULT IN FURTHER PENALTIES.

COMMISSION ACTION

CHAIRMAN, KAZC (OR) ADMINISTRATOR, KAZC

APPROVED

DATE

DISAPPROVED

**EXHIBIT H
GEOTECHNICAL REPORT**



*GEOTECHNICAL ENGINEERING STUDY
CROWN COMMUNICATIONS
MT. VERNON KY5107 TOWER
ROCKCASTLE COUNTY, KENTUCKY
ATC Project No. 13000.9G90*



***GEO TECHNICAL ENGINEERING STUDY
CROWN COMMUNICATIONS
MT. VERNON KY5107 TOWER
ROCKCASTLE COUNTY, KENTUCKY
ATC Project No. 13000.9G90***



2815 Watterson Trail
Louisville, Kentucky 40299
502.267.8355
Fax 502.267.8528

July 23, 1999

Crown Communications.
11001 Bluegrass Parkway, Suite 330
Louisville, Kentucky 40299

Attention: Mr. Rodney Strong

Re: Geotechnical Engineering Study
Proposed Mt. Vernon KY5107 Tower
Rockcastle County, Kentucky
ATC Project No. 13800.9G90

Gentlemen:

Transmitted herewith is our geotechnical engineering report for the referenced project as authorized in accordance with our January 15, 1998 proposal for environmental and geotechnical support services. This report contains our findings, an engineering interpretation of these findings with respect to the available project characteristics, and recommendations to aid design and construction of the tower foundations. We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact our office.

Cordially,

ATC Associates Inc.

A handwritten signature in cursive script that reads 'Elizabeth W. Stuber'.

Elizabeth W. Stuber, E.I.T.
Project Engineer

A handwritten signature in cursive script that reads 'David L. Warder'.

David L. Warder, P.E.
Regional Geotechnical Engineer

Copies submitted: (4) Mr. Rodney Strong

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APPENDIX

SITE LOCATION PLAN
GEOTECHNICAL BORING LOG
SOIL SAMPLE CLASSIFICATION

According to the Seismic Zone Map of the United States, Rockcastle County, Kentucky is within Zone 1. In this system, Zone 3 is the most seismically active while Zone 0 has the lowest earthquake potential. Considering the subsurface conditions encountered at the site and Table 16-J in the 1997 Uniform Building Code, the soil-profile type is S_c .

4. FOUNDATION DESIGN RECOMMENDATIONS

The following design recommendations have been developed on the basis of the previously described project characteristics (Section 2.0) and subsurface conditions (Section 3.0). This office must be notified if the project description included herein is incorrect, or if the proposed structure location is changed to establish if revisions to the following recommendations are necessary.

4.1. Tower

Our findings indicate that the proposed self-supporting tower legs can be supported on drilled pier foundations or on a large common mat.

4.1.1. Drilled Pier

Drilled piers that bear in the clay shale encountered in the test boring below a depth of 8.5 feet can be designed for a net allowable end bearing pressure of 10,000 pounds per square foot. The following table summarizes the recommended values for use in analyzing lateral and frictional resistance for the various soil strata encountered at the test boring. It is important to note that these values are estimated based on the standard penetration test results and soil types, and were not directly measured. The

values provided for undrained shear strength and total soil unit weight are ultimate values and appropriate factors of safety should be used in conjunction with these values. If the pier will bear deeper than 15 feet, a deeper boring should be drilled to determine the nature of the deeper bedrock.

Depth Below Ground Surface, feet	Undrained Shear Strength, psf	Angle of Internal Friction, Ø, degrees	Total Soil Unit Weight, pcf	Allowable Passive Soil Pressure, psf/one foot of depth	Allowable Side Friction, psf
0 - 5.0	1,000	0	120	650 + 40D	0
5.0 - 8.5	3,000	0	125	2,000 + 40(D-5)	650
8.5 - 15	4,000	0	130	2,500 + 40(D-8.5)	850

Note: D = Depth below ground surface (in feet) to point at which the passive pressure is calculated.

It is important that the drilled piers be installed by an experienced, competent drilled pier contractor who will be responsible for properly installing the pier in accordance with industry standards and generally accepted methods, without causing deterioration of the subgrade. The recommendations contained herein relate only to the soil-pier interaction and do not account for the structural design of the pier.

4.1.2. Mat Foundation

As an alternative, the tower legs could be supported on a common mat foundation bearing at a depth of at least 30 inches in medium stiff silty clay. A net allowable bearing pressure of up to 5,000 pounds per square foot may be used. If the mat is extended to bear at a depth of 8.5 feet below existing grade, the net allowable bearing pressure can be increased to 8000 pounds per square foot. These values may be increased by 30 percent for the maximum edge pressure under transient loads. A friction value of 0.30 may be used between the concrete and the underlying clay. The passive pressures given for the drilled pier foundation may be used to resist lateral forces.

It is important that the mat be designed with an adequate factor of safety with regard to overturning under the maximum design wind load.

4.2. Equipment Building

The equipment building may be supported on shallow, spread footings bearing in the shallow clay soil and designed for a net allowable soil pressure of 3,000 pounds per square foot. The footings should be at least ten inches wide and should bear at a depth of at least 30 inches to minimize the effects of frost action. All topsoil, frozen or excessively soft material must be removed beneath footings.

The floor slab for the new equipment building may be subgrade supported on a properly prepared subgrade. The slab should be designed and adequately reinforced to resist the loads proposed. The

exposed subgrade should be carefully inspected by probing and testing as needed. Any organic material still in place, frozen or excessively soft soil and other undesirable materials should be removed.

Once the subgrade has been properly prepared and evaluated, fill may be placed to attain the desired final grade. Any non-organic, naturally occurring, non-expansive soils can be used for structural fill, including those encountered on this site, pending evaluation by the geotechnical engineer.

All engineered fill should be compacted to a dry density of at least 100 percent of the standard Proctor maximum dry density (ASTM D698). The compaction should be accomplished by placing the fill in about eight inch loose lifts and mechanically compacting each lift to at least the specified density. Field tests should be performed on each lift as necessary to insure that adequate compaction is being achieved.

Surface run-off water should be drained away from the building and not allowed to pond. It is recommended that all foundation concrete be placed the same day the excavation is made.

5. GENERAL CONSTRUCTION PROCEDURES AND RECOMMENDATIONS

It is possible that variations in subsurface conditions will be encountered during construction. Although only minor variations that can be readily evaluated and adjusted for during construction are anticipated, it is recommended the geotechnical engineer or a representative be retained to

perform continuous inspection and review during construction of the soils-related phases of the work. This will permit correlation between the test boring data and the actual soil conditions encountered during construction.

5.1. Foundation Excavation Inspection

If drilled piers are used, the material at the base of the drilled pier excavation should be inspected by the geotechnical engineer or qualified soil technician to insure that the piers will bear on satisfactory material. However, it is not necessary to directly inspect the soil material at the base of the drilled pier excavations. Rather, the inspection can be performed without entering the pier excavation by observing the drilling operations and auger cuttings throughout the entire length of the pier excavation to verify that the material at the bearing elevation is the material prescribed in Section 4.0. It is important that the pier excavation and subsurface conditions be monitored until the concrete is placed to verify that the otherwise competent soils are not adversely affected by improper construction methods or by groundwater seepage or surface water infiltration. If unsuitable conditions are encountered at the base of a pier excavation, the pier excavation should be extended to the bottom of such undesirable material and re-inspected. Unless it becomes necessary to enter the excavation, it should not be necessary to use temporary casing to prevent the sides of the pier excavations from caving. It is important that the concrete be placed in such a fashion as to prevent "necking" of the drilled pier. Unless the pier excavation is completely dry, the concrete must be placed by tremie.

If a mat foundation is used, the tower excavation should be inspected by the geotechnical engineer or a qualified soils technician to insure that all undesirable material is removed and that the

foundation will bear on satisfactory material as decried in Section 4.1. At the time of such inspection, it will be necessary to make hand auger borings or use a hand penetration device in the base of the foundation excavation to insure that the soils below the base are satisfactory for foundation support. The necessary depth of penetration will be established during inspection.

If undercutting is required in order to remove unsuitable materials at the tower foundation location, the foundation bearing elevation may be re-established by backfilling after all undesirable materials have been removed or the foundation can be placed at the lower depth. The undercut excavation beneath the foundation should extend to suitable bearing soils and the dimensions of the excavation base should be determined by imaginary planes extending outward and down on a 2 (vertical) to 1 (horizontal) slope from the base perimeter of the foundation. The entire excavation should than be refilled with a well-compacted granular fill as described in Section 5.2 or lean concrete may be used. Special care should be exercised to remove any sloughed, loose or soft materials near the base of the excavation slopes with benches as necessary, to insure that no pockets of loose or soft materials will be left in place along the excavation slopes below the foundation bearing level.

Soils exposed in the base of the foundation excavation should be protected against any detrimental changes in conditions such as from disturbance, rain and freezing. Surface run-off water should be drained away from the excavation and not allowed to pond. If possible, all concrete should be placed that same day the excavation is made. If this is not practical, the excavation should be adequately protected

5.2. Fill Compaction

All engineered fill placed adjacent to and above the tower foundation should be compacted to a dry density of at least 95 percent of the standard Proctor maximum dry density (ASTM D-698). This minimum compaction requirement should be increased to 100 percent for any fill placed below the tower foundation bearing elevation. Any fill placed beneath the tower foundation should be limited to well-graded sand and gravel or crushed stone. The compaction should be accomplished by placing the fill in about 8 inch (or less) loose lifts and mechanically compacting each lift to at least the specified minimum dry density. Field density test should be performed on each lift as necessary to insure that adequate moisture conditioning and compaction is being achieved.

Compaction by flooding is not considered acceptable. This method will generally not achieve the desired compaction and the large quantities of water will tend to soften the foundation soils.

5.3. Construction Dewatering

No serious dewatering problems are anticipated. At the time of our investigation, the ground water level appeared to be below the anticipated excavation depths. However, depending upon seasonal conditions, some minor seepage into excavations may be experienced. It is anticipated that any such seepage can be handled by conventional dewatering methods such as pumping from the drilled pier excavations or from sumps in shallow foundation excavations.

6. FIELD INVESTIGATION

One soil test boring was drilled at the location established in the field by the project surveyor. Split-spoon samples were obtained by the Standard Penetration Test (SPT) procedure (ASTM D1586) in the test boring. The boring was extended to the auger refusal depth of 17 feet below existing grade. Representative portions of the soil samples were sealed in glass jars and returned to our laboratory.

The boring log is included in the Appendix along with a sheet defining the terms and symbols used on the log and an explanation of the Standard Penetration Test (SPT) procedure. The log presents visual descriptions of the soil strata encountered, Unified System soil classifications, groundwater observations, sampling information, laboratory test results, and other pertinent field data and observations.

7. LABORATORY INVESTIGATION

The split-spoon samples were inspected and visually classified by a geotechnical engineer in general accordance with the Unified Soil Classification System and the field boring log was edited as necessary. To aid in classifying the soil samples and to check the general soil characteristics pocket penetrometer tests were performed on selected samples. The results of these tests are included on the boring log.

8. LIMITATIONS OF STUDY

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This

warranty is in lieu of all other warranties, either express or implied. ATC Associates Inc. is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

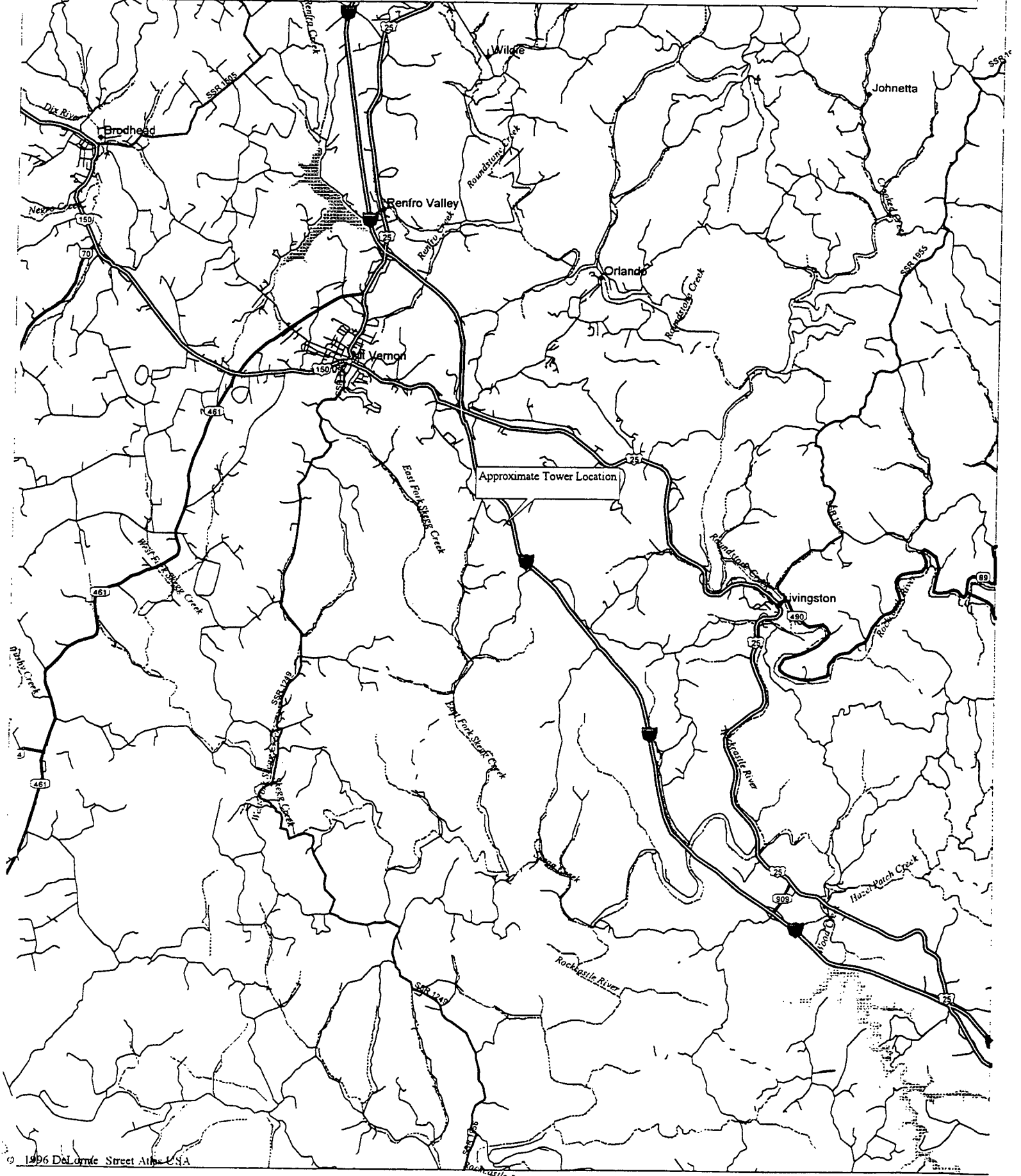
A geotechnical study is inherently limited since the engineering recommendations are developed from information obtained from a test boring that only depicts subsurface conditions at the specific location, time and depth shown on the log. Soil conditions at other locations may differ from those encountered in the test boring, and the passage of time may cause the soil conditions to change from those described in this report.

The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or a representative is therefore considered necessary to verify the subsurface conditions and to check that the soils connected construction phases are properly completed. If significant variations or changes are in evidence, it may then be necessary to re-evaluate the recommendations of this report. Furthermore, if the project characteristics are altered significantly from those discussed in this report, if the project information contained in this report is incorrect, or if additional information becomes available, a review must be made by this office to determine if any modification in the recommendations will be required.

APPENDIX

BORING LOCATION PLAN
GEOTECHNICAL BORING LOG
SOIL SAMPLE CLASSIFICATION

Site Location Map - KY5107



CLIENT: Crown Communications
PROJECT: Proposed Mt. Vernon KY5107 Tower
LOCATION: Rockcastle County, Kentucky

BORING NUMBER: B-1
PROJECT NUMBER: 13000.9G90
PROJECT MANAGER: Beth Stuber

Surface Elevation:

Date Started: 7/22/99

Date Completed: 7/22/99

Hammer Weight: 140 lbs.

Hammer Drop: 30 in.

Drill Foreman: J. Wharton

Hole Dia.: 7.5 in.

Boring Method: HSA

Supervisor: B. Stuber

ELEV	MATERIAL DESCRIPTION	LAYER DEPTH & TYPE	DEPTH SCALE	SAMPLE DATA					NOTES
				NO	BLOWS	TYPE	REC	w,%	
	CLAY (CH) - medium stiff, tan-gray mottled - very stiff, some rock fragments - hard	8.5	1	4-4-5	SPT	100		2.8	About 6 inches of topsoil were encountered at the existing ground surface.
2			7-9-13	SPT	70		-		
3			11-17-16	SPT	70		-		
4			21-19-23	SPT	70		6.0		
5	24-27-31	SPT	70		6.0				
6	32-50/6"	SPT	20		-				
	CLAY SHALE - highly weathered, gray	8.5							
	AUGER REFUSAL	17.0							
			20						The borehole was dry at the completion of drilling operations.
			25						
			30						
			35						

SOIL SAMPLE CLASSIFICATION

GRANULAR SOILS

(Silt, Sand, Gravel and Combinations)

Density

Very Loose	- 5 blows/ft. or less
Loose	- 6 to 10 blows/ft.
Medium Dense	- 11 to 30 blows/ft.
Dense	- 31 to 50 blows/ft.
Very Dense	- 51 blows/ft. or more

Relative Proportions

<u>Relative Proportions</u>	<u>Percent</u>
Trace	1 - 10
Little	11 - 20
Some	21 - 35
And	36 - 50

Particle Size Identification

Boulders	- 8 inch diameter or more
Cobbles	- 3 to 8 inch diameter
Gravel	- Coarse - 1 to 3 inch
	Medium - ½ to 1 inch
	Fine - ¼ to ½ inch
Sand	- Coarse - 2.00 mm to ¼ inch
	- Medium - 0.42 to 2.00 mm
	- Fine - 0.074 to 0.42 mm
	- Silt - 0.002 to 0.074 mm
Clay	- less than 0.002 mm

COHESIVE SOILS

(Clay, Silt and Combinations)

Consistency

Very Soft	- 3 blows/ft. or less
Soft	- 4 to 5 blows/ft.
Medium Stiff	- 6 to 10 blows/ft.
Stiff	- 11 to 15 blows/ft.
Very Stiff	- 16 to 30 blows/ft.
Hard	- 31 blows/ft. or more

Plasticity

<u>Degree of Plasticity</u>	<u>Plasticity Index</u>
None to Slight	0 - 4
Slight	5 - 7
Medium	8 - 22
High to Very High	over 22

Classification on logs are made by visual inspection of samples unless otherwise undicated.

Standard Penetration Test - Driving a 2.0" O.D., 1-3/8" I.D. split-spoon sampler a distance of 12 inches into undisturbed soil with a 140 pound hammer free falling a distance of 30 inches. The sample is initially driven 6 inches to penetrate into undisturbed soil. then the test is performed. The number of hammer blows for seating the spoon and making the test are recorded for each 6 inches of penetration on the boring log (Example: 6-8-9). The standard penetration test N-value can be obtained by adding the last two figures (i.e. 8+9=17 blows/ft.). (ASTM D-1586)

Strata Changes - In the column "Material Description" on the boring log, the horizontal lines represent strata changes. A solid line (—) represents an actually observed change, a dashed line (- - -) represents an estimated change.

Ground Water observations were made at the times indicated. Porosity of soil strata, weather conditions, site topography, etc. may cause changes in the water levels indicated on the logs.

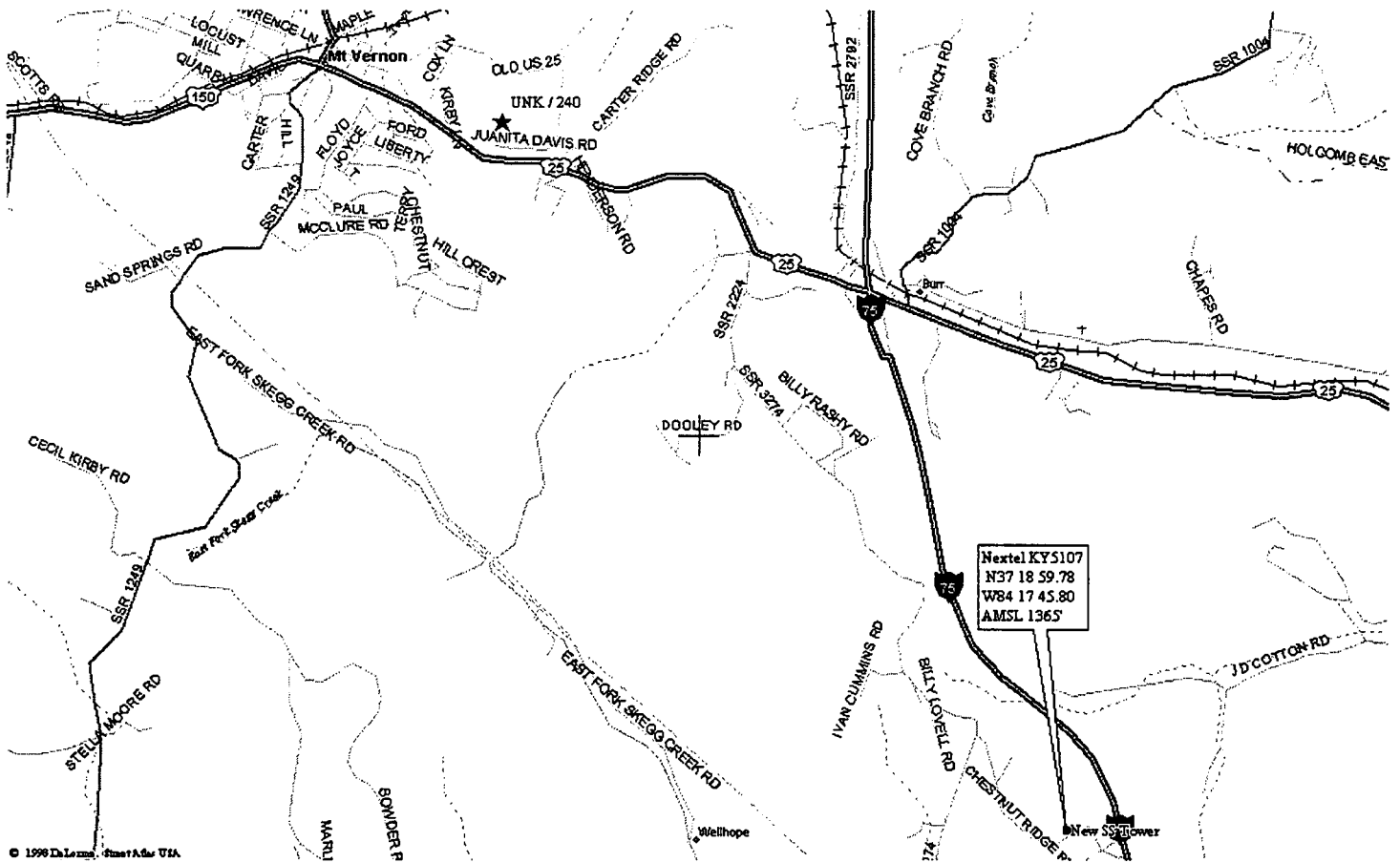


EXHIBIT I
DIRECTIONS TO WCF SITE

Site Name: Mt. Vernon

Nextel Site Number: KY5107-A
Crown Site Number: 311KY

CANDIDATE LOCATION MAP



SITE ADDRESS: Chestnut Ridge Rd.

City/Town: Mt. Vernon

County: Rockcastle

State: KY

Zip: 40456

ACCESS INSTRUCTIONS: There are no special access instructions.

CONTACT: Shawn Decker

PHONE: 513-851-8232

DIRECTIONS TO SITE: From the intersection of US 150 and US 25 in Mt Vernon, KY travel south on US 25 approximately 1.8 miles then turn south onto Hwy 3274 and travel 2.2 miles to a gravel drive on the left. The drive is called Chestnut Ridge Rd. (unmarked). As you're approaching Chestnut Ridge Road, Hwy. 3274 makes a hard right. There is a black wood plank fence on the right paralleling 3274 immediately before this turn. Proceed up the hill on the gravel drive 0.1 miles. You will pass a barn, two houses then a second barn on your left. The gravel drive ends at the second barn and becomes a dirt road. Proceed approximately 1000 feet down this road. The site is on the left side of the lane.

Prepared By: Rodney C. Strong
Phon : 502-648-5807

*Proprietary, Restricted & Confidential
Pursuant to Company Instructions*

EXHIBIT J
COPY OF REAL ESTATE AGREEMENT

EXHIBIT C

MEMORANDUM OF AGREEMENT

CLERK: Please return this document to: Nextel Communications Inc.
Attention: Mr. Ried Zulager
1505 Farm Credit Drive
McLean, Virginia 22102

This Memorandum of Agreement is entered into on this 20th day of January, 1998, by and between Nextel West Corp., a Delaware corporation, d/b/a Nextel Communications, ("Lessee"), and Sean A. Decker, a single person, ("Lessor").

1. Lessor and Lessee entered into a Communications Site Lease Agreement ("Agreement") on the 20th day of January 1998, for the purpose of installing, operating and maintaining a radio communications facility and other improvements. All of the foregoing are set forth in the Agreement.
2. The term of the Agreement shall be five (5) years commencing when Lessee commences construction or eighteen (18) months from the date when Lessee executes the Agreement, whichever first occurs ("Commencement Date" under the Agreement and terminating on the fifth (5th) anniversary of the Commencement Date (the "Term") unless otherwise terminated as provided in the Agreement. Lessee shall have the right to extend the Term for five (5) successive five (5) year periods (the "Renewal Terms") on the same terms and conditions as set forth therein. This Agreement shall automatically be extended for each successive Renewal Term unless Lessee notifies Lessor of its intention not to renew prior to commencement of the succeeding Renewal Term.
3. The Land which is the subject of the Agreement is described in Exhibit A annexed hereto. The portion of the Land being leased to Lessee (the "Premises") is described in Exhibit B annexed hereto.

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

LESSOR: Sean A. Decker

LESSEE: Nextel West Corp.
a Delaware Corporation
d/b/a Nextel Communications

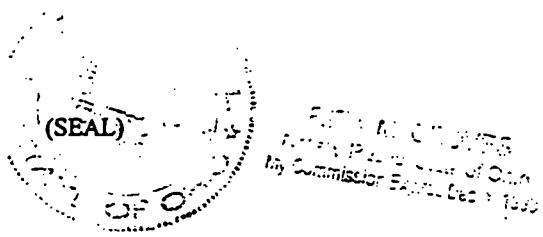
By: Sean A Decker
Name: _____
Title: _____
Date: 11-7-97

By: Mike Dodson
Name: Mike Dodson
Title: Vice President, RF Design & Planning
Date: January 20, 1998

STATE OF Ohio
COUNTY OF Hamilton

On 11-7-97, before me, RITA GROVES, Notary Public, personally appeared Sean Decker personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.
Rita Groves
Notary Public
My commission expires: 12-1-98



STATE OF Virginia
COUNTY OF Fairfax

On January 20, 1998, before me, Leilani T. Phillips, Notary Public, personally appeared Sean A. Decker personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.
Leilani T. Phillips
Notary Public
My commission expires: March 31, 2001

(SEAL)

March 31, 2001

EXHIBIT A

DESCRIPTION OF LAND

to the Agreement dated 1-20, 1998, by and between Nextel West Corp., a Delaware corporation, d/b/a Nextel Communications, ("Lessee"), and Sean A. Decker, ("Lessor").
a single person

The Land is described and/or depicted as follows (metes and bounds description): All that tract or parcel of land in Rockcastle County, Kentucky to wit:

Being the same property as described in the Warranty Deed from Elsie Decker (grantor{s}) to Sean A. Decker (grantee{s}), recorded in Deed Book 164, Pages 37 to 40, in the aforesaid county records. Said deed and description being incorporated herein as if fully set forth below.

EXHIBIT B

DESCRIPTION OF PREMISES

to the Agreement dated 1-26, 1998, Nextel West Corp., a Delaware corporation, d/b/a Nextel Communications, ("Lessee"), and Sean A. Decker, ^{a single person} ("Lessor").

The Premises are described and/or depicted as follows:

A portion of the Land described on Exhibit A as shown on the attached site sketch as Exhibit B-2.

Approximately 10,000 square feet of land located approximately as shown on the attached Exhibit B-2, on which Lessee will construct a lattice tower erected as shown on Exhibit B-1 located approximately at Latitude 37degrees 18 minutes 56 seconds and Longitude 84 degrees 17 minutes and 54 seconds (coordinates were taken from a Magellan XL 2000 GPS Coordinator using NAD 27). Lessee will provide a site specific description within 30 days of obtaining a survey to replace this description which Lessor agrees to accept (provided the Agreement has not been terminated under the terms of the Agreement).

SUPPLEMENT TO EXHIBIT J

PORTION OF THE FULL AGREEMENT ON ABANDONMENT

Surrender of Property. Upon expiration or termination of this Lease, Lessee shall, within sixty (60) days, remove its building(s), tower, and all above ground fixtures and restore the Leased Premises to its original condition, reasonable wear and tear excepted.

**EXHIBIT K
CERTIFICATION OF NOTIFICATION**

CERTIFICATION OF NOTIFICATION

1)

Sean Decker

11625 Harrington Ct.

Cincinnati, Ohio 45240

2)

Paul and Jeff Nicely

Rt. 5 Box 229

Mt Vernon, KY 40456

August 25, 1999

Sean Decker
11625 Harrington Court
Cincinnati, OH 45240

RE: Public Notice - Public Service Commission of Kentucky
Case No.: 99-349
Our Site No: 311KY-Mt. Vernon

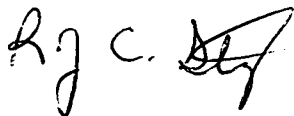
Dear Mr. Decker:

Crown Communication Inc. and NEXTEL Communications, 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 300 foot tower with appurtenances attached to a maximum height of 325 feet, and a ground level equipment shelter to be located at Chestnut Ridge Road - Mt. Vernon, Kentucky. 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 as shown above. 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.: 99-349 in your correspondence.

Feel free to call me at (502) 240-0044 ext. 27 if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

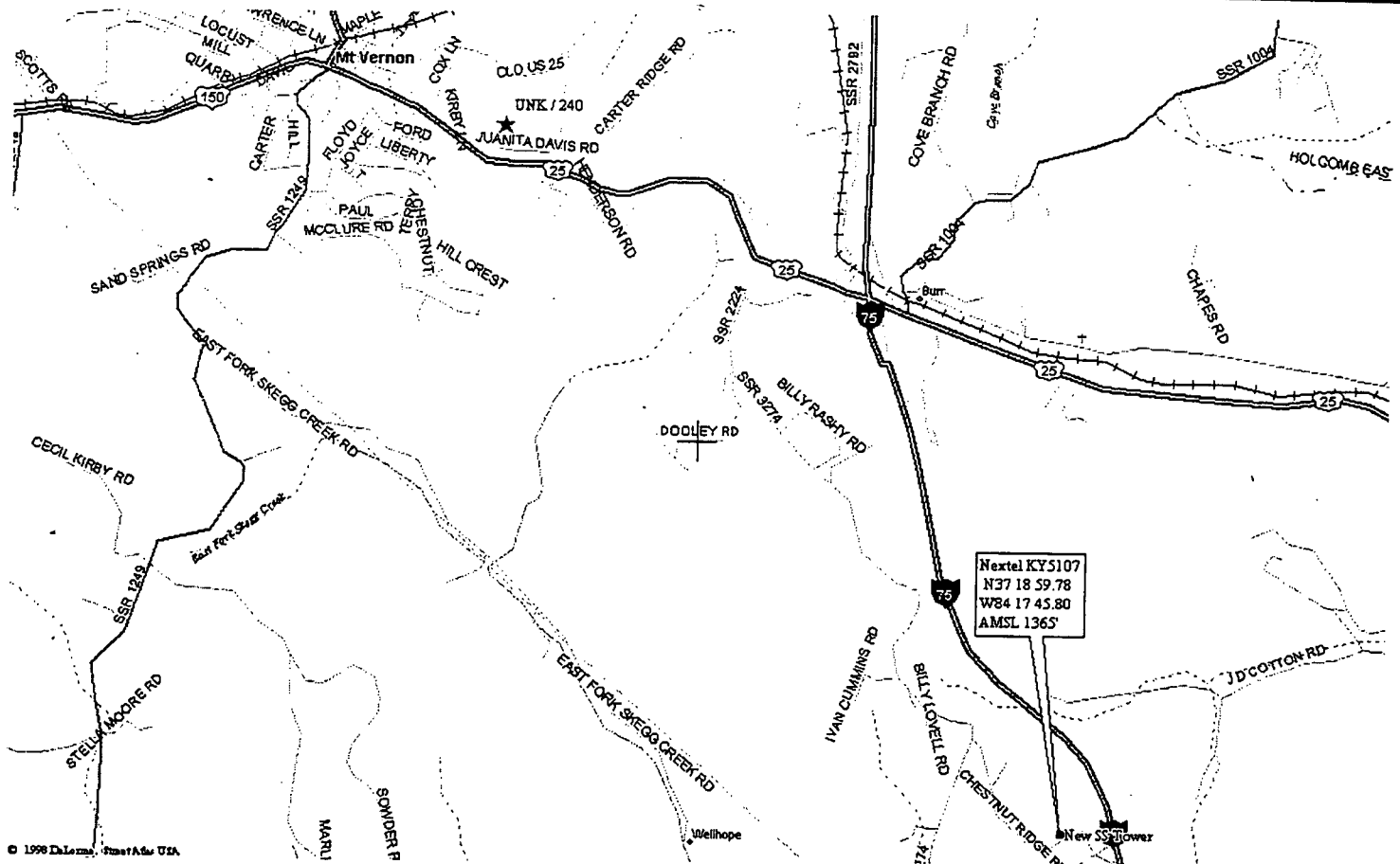


Rodney C. Strong
Site Acquisition Specialist

Site Name: Mt. Vernon

Nextel Site Number: KY5107-A
Crown Site Number : 311KY

CANDIDATE LOCATION MAP



SITE ADDRESS: Chestnut Ridge Rd.
 City/Town: Mt. Vernon County: Rockcastle State: KY Zip: 40456

ACCESS INSTRUCTIONS: There are no special access instructions.
CONTACT: Shawn Decker **PHONE:** 513-851-8232

DIRECTIONS TO SITE: From the intersection of US 150 and US 25 in Mt. Vernon, KY travel south on US 25 approximately 1.8 miles then turn south onto Hwy 3274 and travel 2.2 miles to a gravel drive on the left. The drive is called Chestnut Ridge Rd. (unmarked). As you're approaching Chestnut Ridge Road, Hwy. 3274 makes a hard right. There is a black wood plank fence on the right paralleling 3274 immediately before this turn. Proceed up the hill on the gravel drive 0.1 miles. You will pass a barn, two houses then a second barn on your left. The gravel drive ends at the second barn and becomes a dirt road. Proceed approximately 1000 feet down this road. The site is on the left side of the lane.

Prepared By: Rodney C. Strong
 Phon : 502-648-5807

*Proprietary, Restricted & Confidential
 Pursuant to Company Instructions*

August 25, 1999

Paul and Jeff Nicely
Rt. 5 Box 229
Mt. Vernon, KY 40456

RE: Public Notice - Public Service Commission of Kentucky
Case No.: 99- 349
Our Site No: 311KY-Mt. Vernon

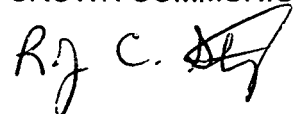
Dear Mr. Nicely:

Crown Communication Inc. and NEXTEL Communications, 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 300 foot tower with appurtenances attached to a maximum height of 325 feet, and a ground level equipment shelter to be located at Chestnut Ridge Road – Mt. Vernon, Kentucky. 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 as shown above. 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.: 99-349 in your correspondence.

Feel free to call me at (502) 240-0044 ext. 27 if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

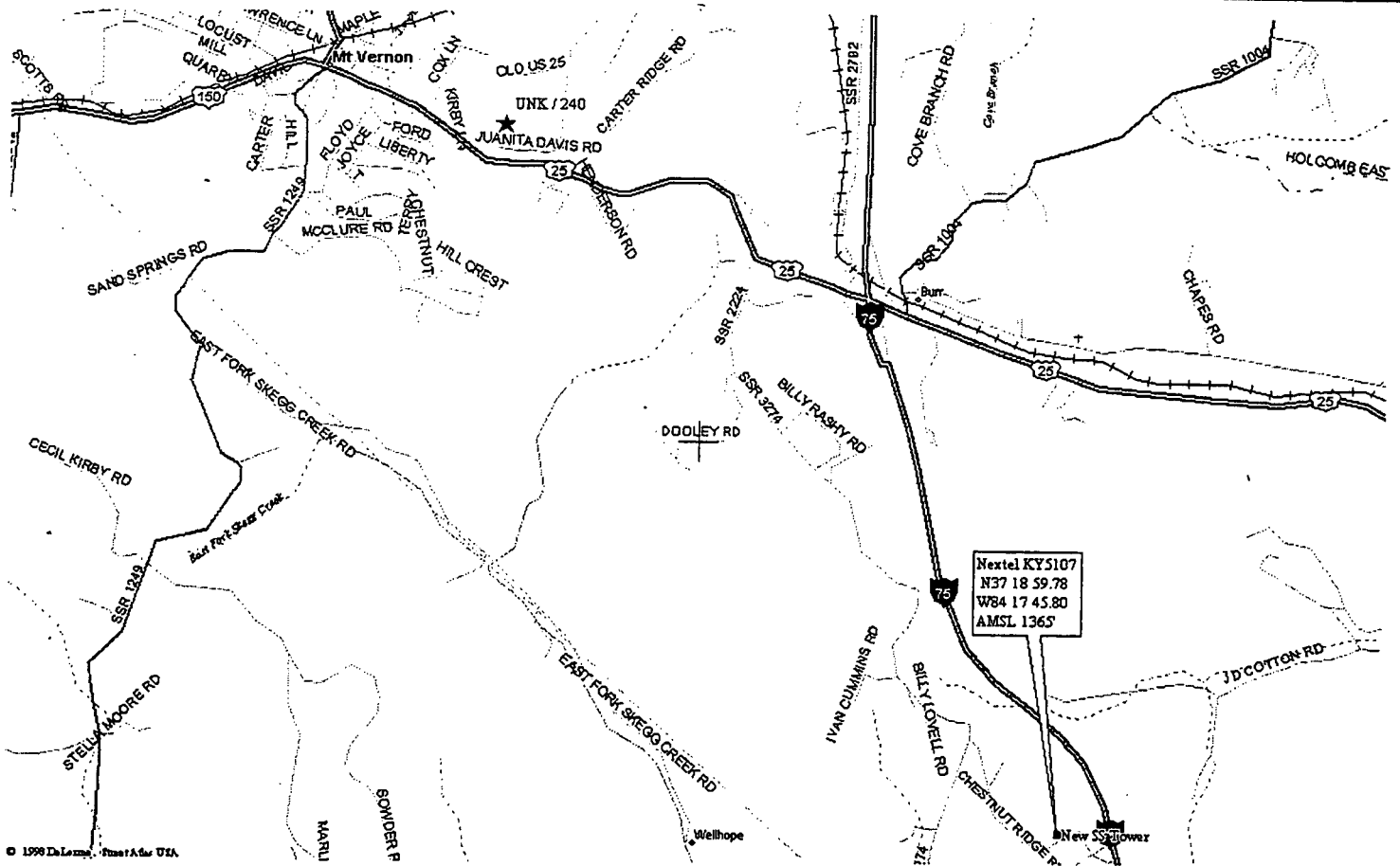


Rodney C. Strong
Site Acquisition Specialist

Site Name: Mt. Vernon

Nextel Site Number: KY5107-A
Crown Site Number: 311KY

CANDIDATE LOCATION MAP



SITE ADDRESS: Chestnut Ridge Rd.

City/Town: Mt. Vernon

County: Rockcastle

State: KY

Zip: 40456

ACCESS INSTRUCTIONS: There are no special access instructions.

CONTACT: Shawn Decker

PHONE: 513-851-8232

DIRECTIONS TO SITE: From the intersection of US 150 and US 25 in Mt Vernon, KY travel south on US 25 approximately 1.8 miles then turn south onto Hwy 3274 and travel 2.2 miles to a gravel drive on the left. The drive is called Chestnut Ridge Rd. (unmarked). As you're approaching Chestnut Ridge Road, Hwy. 3274 makes a hard right. There is a black wood plank fence on the right paralleling 3274 immediately before this turn. Proceed up the hill on the gravel drive 0.1 miles. You will pass a barn, two houses then a second barn on your left. The gravel drive ends at the second barn and becomes a dirt road. Proceed approximately 1000 feet down this road. The site is on the left side of the lane.

Prepared By: Rodney C. Strong
Phon : 502-648-5807

*Proprietary, Restricted & Confidential
Pursuant to Company Instructions*

August 25, 1999

Honorable George Carlos Carloftis
Rockcastle County Judge Executive
P.O Box 755
Mt Vernon, KY 40456

RE: Public Notice - Public Service Commission of Kentucky
Case No.: 99-349
Our Site No: 311KY-Mt. Vernon

Honorable Judge Carloftis:

Crown Communication Inc. and NEXTEL Communications, 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 300 foot tower with appurtenances attached to a maximum height of 325 feet, and a ground level equipment shelter to be located at Chestnut Ridge Road – Mt. Vernon, Kentucky. A temporary tower of shorter stature might be erected at the 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 are the Judge Executive of Rockcastle County.

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 as shown above. 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.: 99-349 in your correspondence.

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

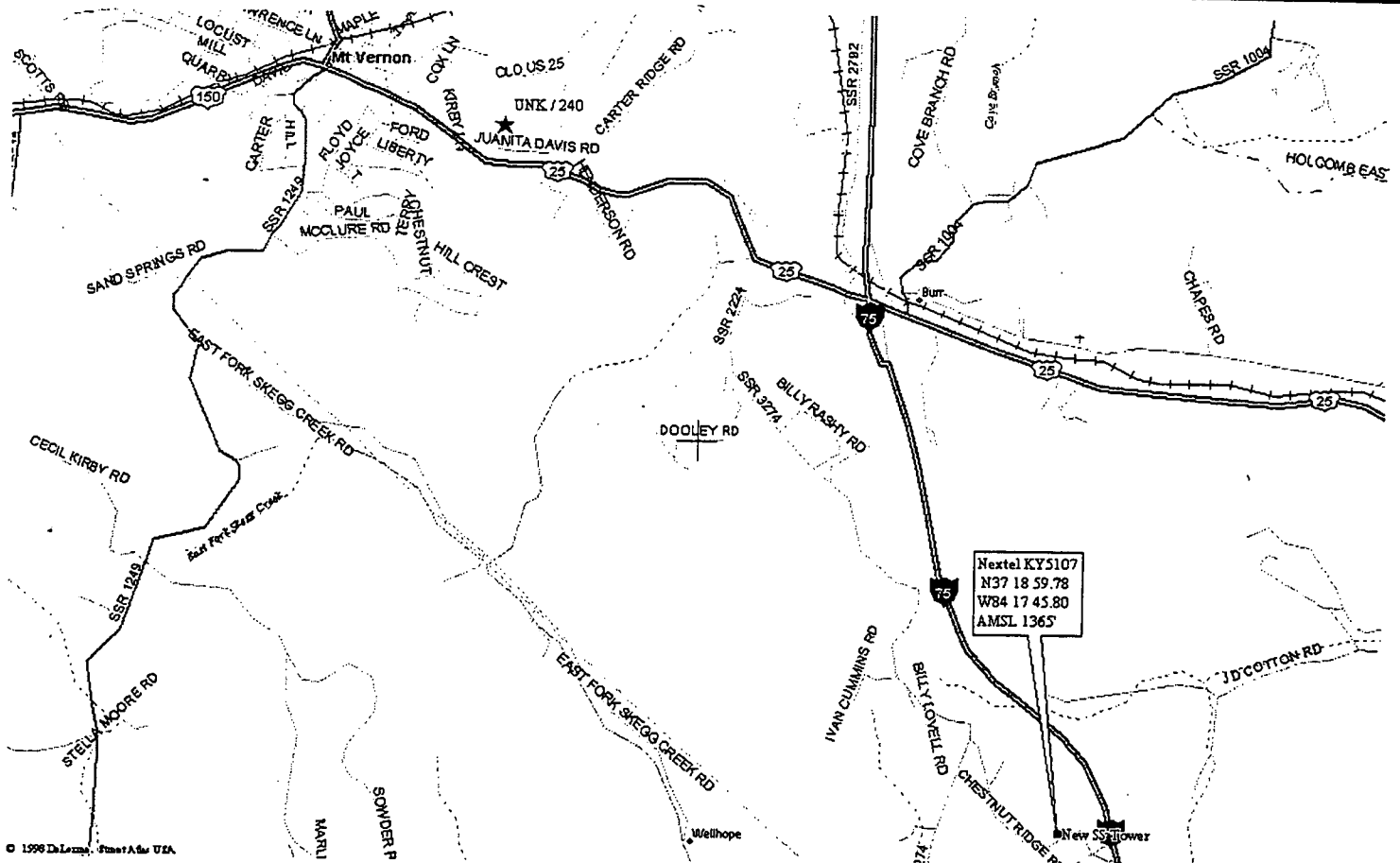
Sincerely,
CROWN COMMUNICATION INC.


Lloyd McCarthy
For CROWN COMMUNICATION INC.

Site Name: Mt. Vernon

Nextel Site Number: KY5107-A
Crown Site Number: 311KY

CANDIDATE LOCATION MAP



SITE ADDRESS: Chestnut Ridge Rd.
City/Town: Mt. Vernon County: Rockcastle State: KY Zip: 40456

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Prepared By: Rodney C. Strong
Phon : 502-648-5807

*Proprietary, Restricted & Confidential
Pursuant to Company Instructions*

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 # 99-349 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 # 99-349 in your correspondence.

EXHIBIT O
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



Search Area Report for

KY-5107-A Mt. Vernon

Revision #: 0
Issued On:

Phase #: 1
Design #: 1

Region: 1 - North
Launch Area: 105 - Corbin 7-1-75 (KY)

Service Area: 691 | 75
Proj Office: Louisville

DESIGN SPECIFICATIONS

Latitude: 37 - 18 - 56.00 N = 37.31556 deg
Longitude: 84 - 17 - 54.00 W = -84.29833 deg
Source:

GE (AMSL): 1299 ft = 395.94 meter

Rad Center: 300 ft = 91.44 meter

Allowable RC Range: 300-350

ANTENNA CONFIGURATION

of sectors: 1

TTA Used?

Yes No TBD

Omni Bi-Secto Tri-Secto
 Quasi-Omn Quasi-Hwy TBD

	Sect 1 (alpha)	Sect 2 (beta)	Sect 3 (gamma)
1. Ant Azimuth Orientation	0 deg	deg	deg
2. Antenna Model #	DB810		
- Number of Antennas	3	0	0
- Manufacturer's Name	Allen Telecom		
- Antenna Gain / Polarizati	10 dBd / Vertical	dBd /	dBd /
- Horiz (Vert) 3dB Beamwid	360 / (6) deg	/() deg	/() deg
- Dimension (WxH)	3" OD		
- Length / Weight	15 ft / 35 lbs.	ft / lbs.	ft / lbs.
3. Downtilt: Electr / Mech	0 / 0 deg	/ deg	/ deg

4. Other Antennas: 2 GPS antennas by Motorola using 1/2" coaxial cable; mounted near equipment at 1 BMR antenna by Motorola using 1/2" coaxial cable; mounted near equipment at b

EQUIPMENT TYPE

Motorola GENS 4 RFDS System
Andrew Concrete Shelter (16'x9')

COVERAGE OBJECTIVE

1.75

MORPHOLOGY

Rural

RF COMMENTS

The terrain is changing drastically. We need the highest elevation we can get within the search ring.

AUTHORIZATION

RF Engr: Ahmadkhanlou, Frank

RF Mgr: Bui, Son

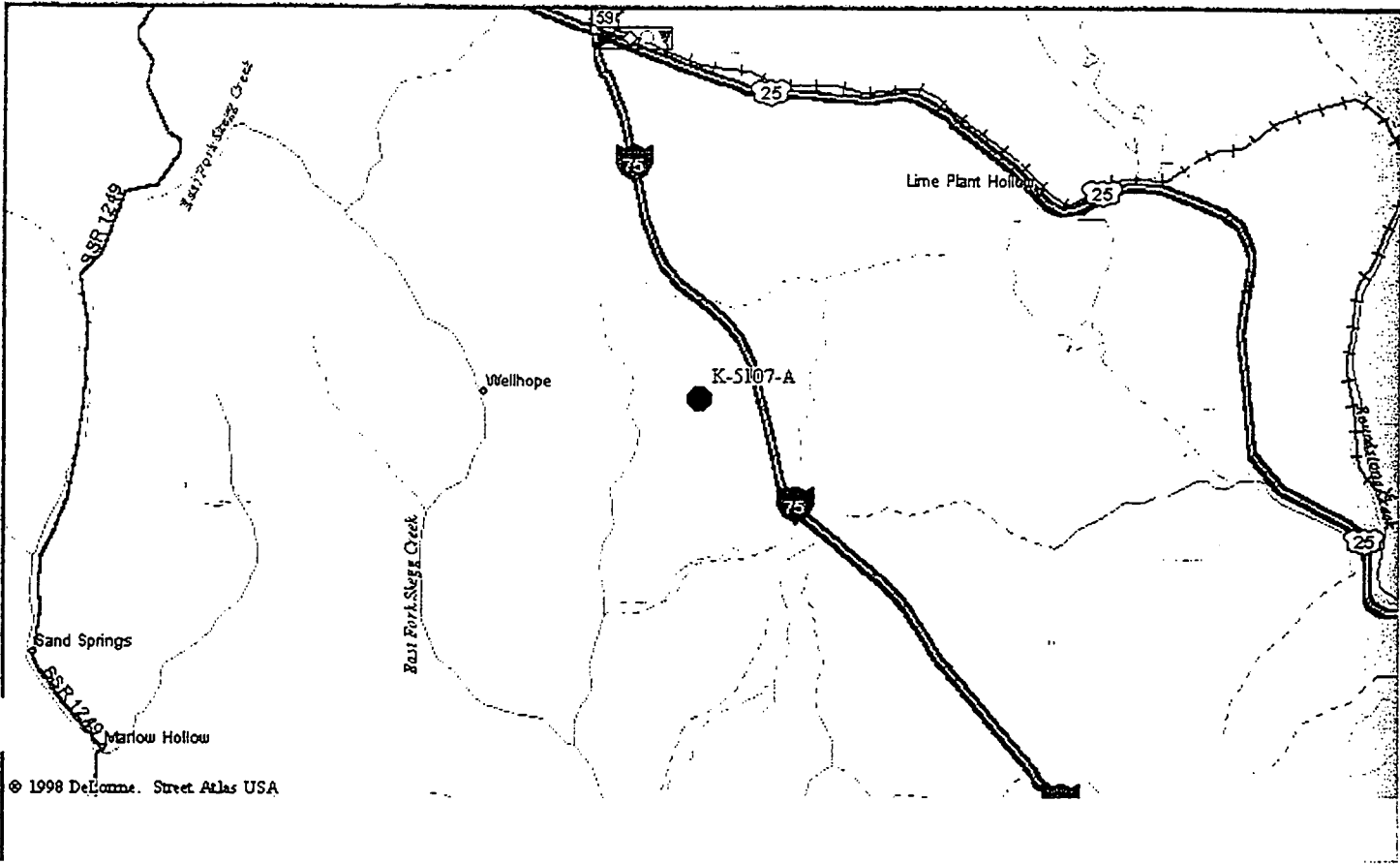


Search Area Report for

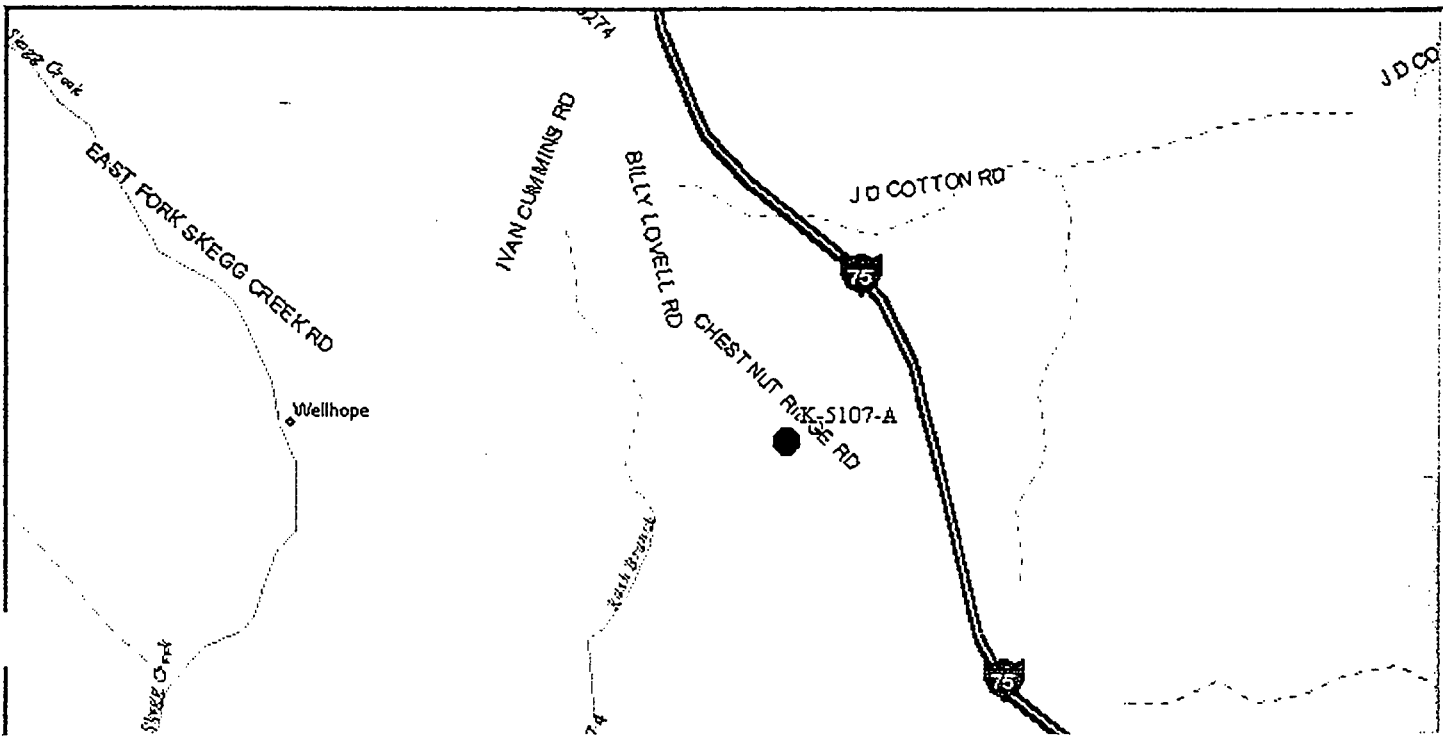
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Map Descriptions:





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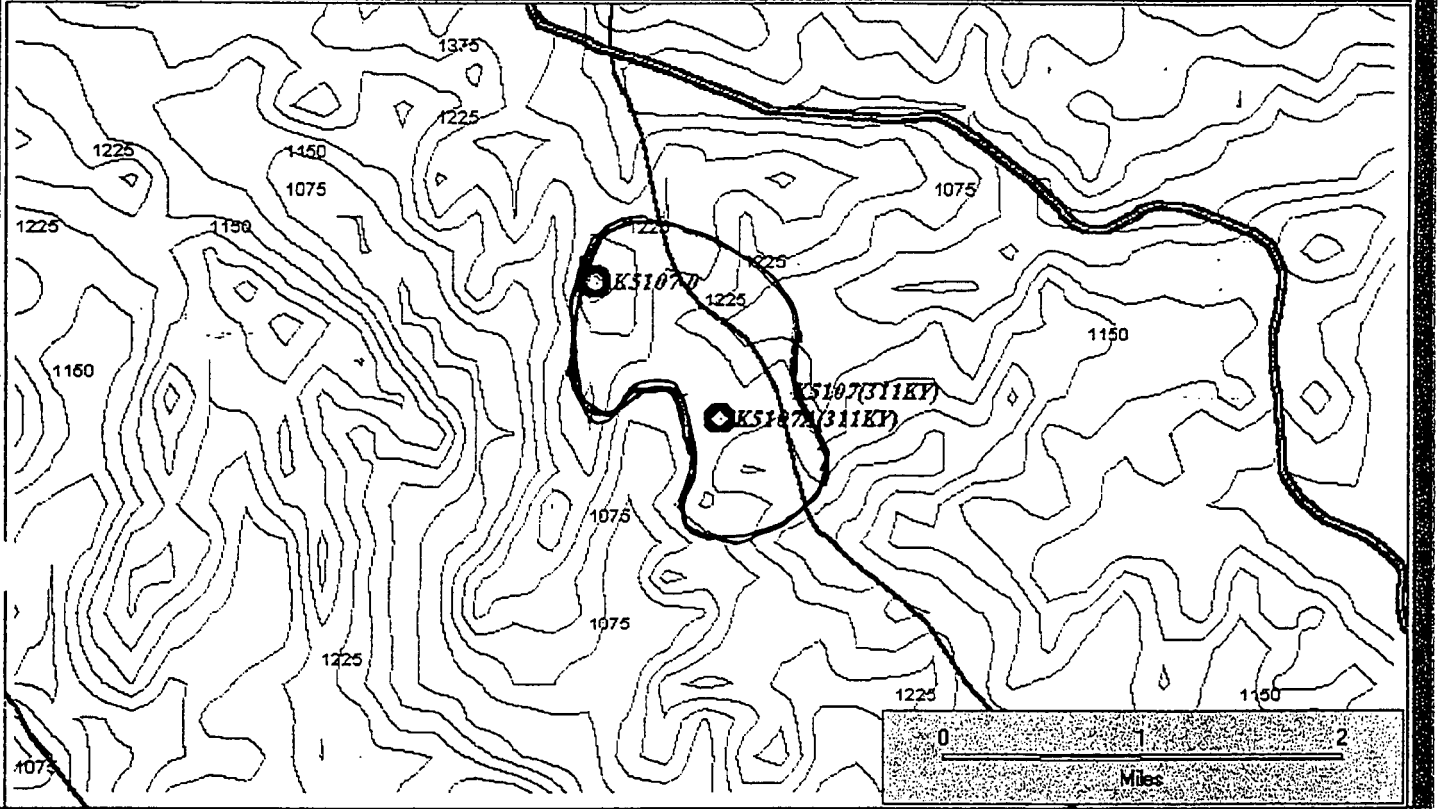
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SAFCO WIZARD

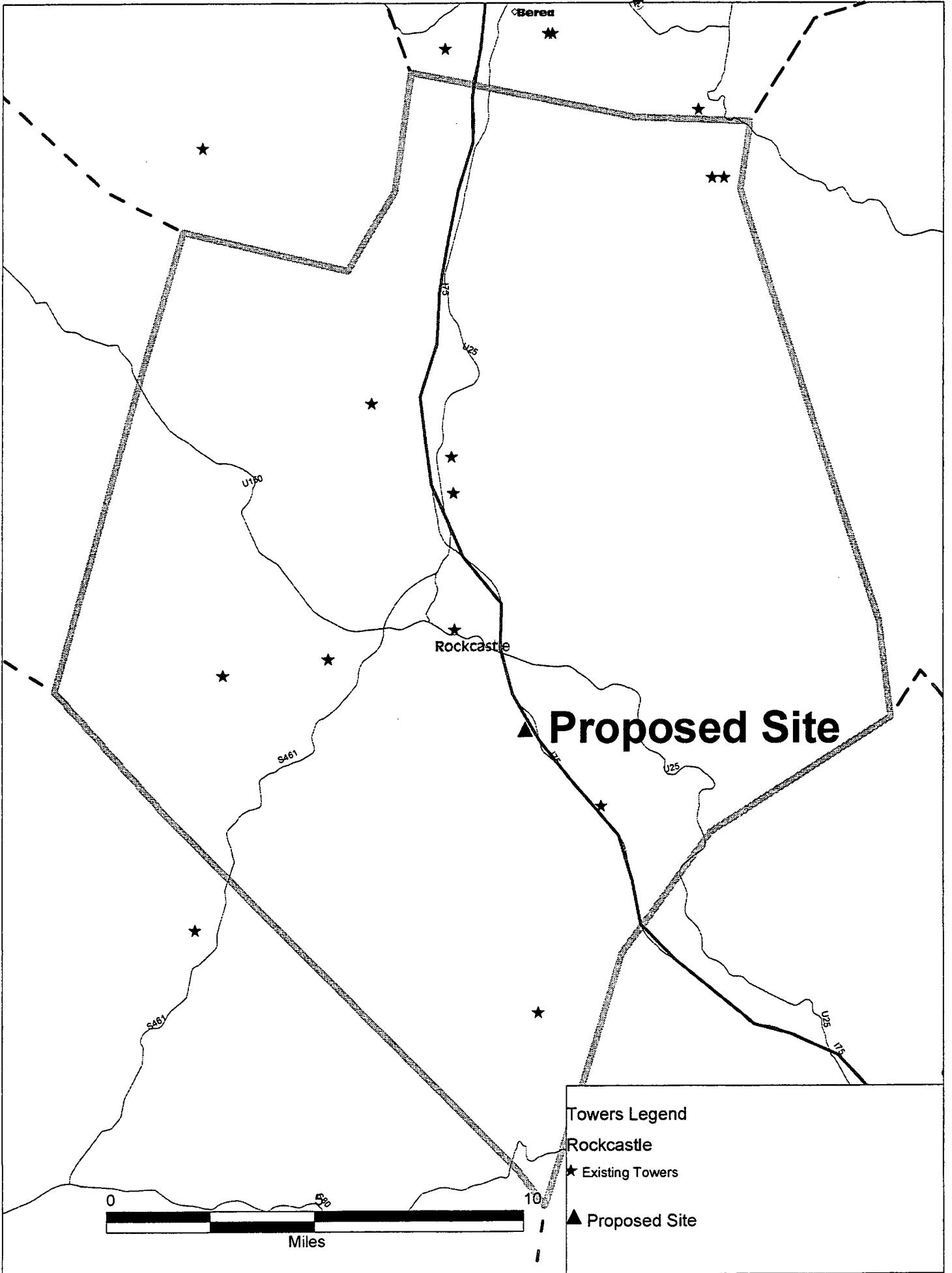
File Edit Utilities Analysis Options Display Channel Plan Window Help Traffic



EDIT - C: - Nextel Partners Inc KY Design



System Chan NW: 37 20 43N, 84 21 48W SE: 37 17 14N, 84 14 09W Mouse: 37 20 42N, 84 19 28W Blgd:



Berea

Rockcastle

▲ Proposed Site

Towers Legend

Rockcastle

★ Existing Towers

▲ Proposed Site

