CASE NUMBER:

99-463

HISTORY INDEX FOR CASE: 1999-463 AS OF : 03/14/00
TRITEL FINANCE, INC.
Construct
CELL SITE - 800 ASKEW SERVICE ROAD - HOPKINSVILLE

IN THE MATTER OF THE APPLICATION OF CROWN COMMUNICATION
INC., TRITEL COMMUNICATIONS, INC. AND TRITEL FINANCE, INC.
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY AT
800 ASKEW SERVICE ROAD HOPKINSVILLE, KY 42240
IN THE WIRELESS COMMUNICATIONS LICENSE AREA
IN THE COMMONWEALTH OF KENTUCKY
IN THE COUNTY OF CHRISTIAN
SITE NAME: ASKEW SERVICE ROAD

SEQ NBR	ENTRY DATE	REMARKS
0001	12/01/1999	Application.
0002	12/02/1999	Acknowledgement letter.
M0001	12/27/1999	DAVID PIKE CROWN COMMUNICATION-MOTION TO SUBMIT FOR EXPEDITED DECISION WITHOUT PUBLIC HEARI
0003	02/18/2000	FINAL ORDER GRANTING CONSTRUCTION
M0002	02/22/2000	DAVID PIKE CROWN COMMUNICATIONS-FAA & KY AIRPORT ZONING COMMISSION APPROVALS

Pike
Legal Group
Attorneys at Law

RECEIVED
FEB 22 2000
PUBLIC SERVICE
COMMISSION

February 22, 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.: 99-463
Crown Site No.: 083-198
Crown Site Name: Askew Service Road
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,

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

DAP/slb

Enclosures

800521/KY-Askew Service Rd

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

AERONAUTICAL STUDY
No: 99-ASO-6346-OE

ISSUED DATE: 01/19/00

CHRISTINE VERRE 800521
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: OAK GROVE KY
Latitude: 36-44-32.38 NAD 83
Longitude: 087-28-42.87
Heights: 181 feet above ground level (AGL)
749 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:

-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)

-To coordinate frequency activation and verify that no interference is caused to FAA facilities, prior to beginning any transmission from the site you must contact U.S. ARMY AT 703-325-8210.

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

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory Circular 70/7460-1J.

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

This determination expires on 07/19/01 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-6346-OE.

Wade Carpenter

Wade Carpenter
Specialist, Airspace Branch

(DNE)

7460-2 Attached
Attachment

ATTACHMENT

AERONAUTICAL STUDY
NO. 99-ASO-6346-OE

FREQUENCIES ***

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
800-960 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
2-18 GHz	80 dbm EIRP

*** Proponent must contact U.S. Army Spectrum Branch at 703-325-8210 before transmitting.

Kentucky Airport Zoning Commission
125 Holmes Street
Frankfort, KY 40622

(502) 564-[illegible]
fax (502) 564-7953
No.: AS-024-HVC-99-299

8005-21/KY-AS/New Service

December 15, 1999

APPLICATION NOT REQUIRED

CROWN COMMUNICATION INC
CHRISTINE VERRE, REGULATORY COORDINATOR
375 SOUTH POINTE BOULEVARD
Cannonsburg, PA 15317

SUBJECT: AS-024-HVC-99-299

STRUCTURE: Antenna Tower
LOCATION: Oak Grove, KY
COORDINATES: 36°44'32.38"N / 87°28'42.87"W
HEIGHT: 181'AGL/749'AMSL

Your application has been returned to you for the reason that you are not required by the Commission regulations to have a permit to construct the structure described in the application.

However, if the height of the structure is increased to exceed 200 feet above ground level or 768 feet above mean sea level then a permit is required.

Ronald Bland, Administrator

COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
211 SOWER BOULEVARD
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

CERTIFICATE OF SERVICE

RE: Case No. 1999-463
TRITEL FINANCE, INC.

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 February 18, 2000.

See attached parties of record.

Stephanie D. Bell
Secretary of the Commission

SB/sa
Enclosure

David Burak
Tritel Finance, Inc.
1512 Crums Lane
Louisville, KY. 40216

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

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

Honorable Sandra F. Keene
& Honorable Mark W. Dobbins
Attorneys for Tritel
Tilford, Dobbins, Alexander,
Buckaway & Black
One Riverfront Plaza, Suite 1400
Louisville, KY. 40202

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC., TRITEL COMMUNICATIONS, INC. AND TRITEL FINANCE, INC. FOR ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY AT 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY 42240 IN THE WIRELESS COMMUNICATIONS LICENSE AREA IN THE COMMONWEALTH OF KENTUCKY IN THE COUNTY OF CHRISTIAN SITE NAME: ASKEW SERVICE ROAD SITE NUMBER: 083-198	)))))))))))	CASE NO. 99-463

O R D E R

On December 1, 1999, Crown Communication Inc. ("Crown"), as ultimate owner, and Tritel Communications, Inc. ("Tritel") and Tritel Finance, Inc. filed an application seeking a Certificate of Public Convenience and Necessity to build and operate a cellular radio telecommunications system for the Louisville Major Trading Area ("MTA"). Crown has requested authorization to construct a cell site in Christian County and Tritel has provided evidence that the public convenience and necessity will be served by the proposed construction.

The proposed cell site consists of a 175-foot or less self supporting antenna tower to be located in Christian County, Kentucky ("the Askew Service Road site"). The

coordinates for the Askew Service Road site are North Latitude 36° 44' 32.38" by West Longitude 87° 28' 42.87".

Crown has provided information regarding the structure of the tower, safety measures, and antenna design criteria for the Askew Service Road site. Based upon the application, the design of the tower and foundation conforms to applicable nationally recognized building standards, and a Registered Professional Engineer has certified the plans.

Pursuant to 807 KAR 5:063, Section 1, Crown notified the Christian County Judge/ Executive of the pending construction. Crown has filed applications with the Federal Aviation Administration ("FAA") and the Kentucky Airport Zoning Commission ("KAZC") seeking approval for the construction and operation of the Askew Service Road site. Both applications are pending.

Crown has filed notices verifying that each person who owns property within 500 feet of the Askew Service Road site has been notified of the pending construction. The notice solicited any comments and informed the property owners of their right to intervene. In addition, notices were published in a newspaper of general circulation in Christian County and were posted in a visible location on the proposed site and on the nearest public road. The notices remained posted for at least two weeks after Crown's application was filed. To date, no intervention requests have been received.

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 cellular radio telecommunications services 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 Crown should be granted a Certificate of Public Convenience and Necessity to construct and operate the Askew Service Road site in the Louisville MTA.

IT IS THEREFORE ORDERED that:

1. Crown is granted a Certificate of Public Convenience and Necessity to construct and operate the Askew Service Road site.

2. Crown shall file a copy of the final decisions regarding the pending FAA and KAZC applications for this cell site 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 18th day of February, 2000.

By the Commission

ATTEST:

Executive Director

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC. TRITEL COMMUNICATIONS, INC. AND TRITEL FINANCE, INC. FOR ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY AT 800 ASKEW SERVICE ROAD, HOPKINSVILLE, KY 42240 IN THE WIRELESS COMMUNICATIONS LICENSE AREA IN THE COMMONWEALTH OF KENTUCKY IN THE COUNTY OF CHRISTIAN	CASE NO.: 99-463
SITE NAME: ASKEW SERVICE ROAD SITE NUMBER: 083-198	

* * * * * * *

MOTION TO SUBMIT
FOR EXPEDITED DECISION WITHOUT PUBLIC HEARING
(NO INTERVENERS)

Come the Crown Communication Inc. ("Crown"), as ultimate owner, and Tritel Communications, Inc. and Tritel Finance, Inc. (both Tritel entities jointly referred to as "Provider"), as a licensed public utility in the Commonwealth of Kentucky, all three entities hereinafter jointly referred to as "Applicants", by counsel, and move the Kentucky Public Service Commission ("PSC") to promptly grant a Certificate of Public Convenience and Necessity ("CPCN") in the within Application proceeding based on the following facts and circumstances:

1. The Applicants have met all filing requirements under the Kentucky Revised Statutes and the Kentucky Administrative Regulations applicable to this proceeding.

2. There are no Interveners in this proceeding after Notice has been afforded pursuant to the terms of the Kentucky Revised Statutes and the Kentucky Administrative

Regulations.

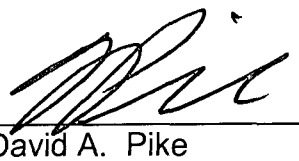
3. The Wireless Communications Facility ("WCF") which is the subject of this Application for a CPCN is a vital element of the Provider's wireless communications network, and is necessary to provide service in accordance with provisions of its license with the Federal Communications Commission.

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

5. The Application in this administrative proceeding was originally filed with the PSC on December 1, 1999, 26 days before the submission of this Motion.

WHEREFORE, Crown and the Provider, Applicants herein, by counsel, urge the PSC to promptly grant a CPCN in accordance with the terms of the Application in this proceeding without public hearing on an expedited basis.

Respectfully submitted,



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

and

Mark W. Dobbins
Sandra F. Keene
Tilford, Dobbins, Alexander, Buckaway, & Black
Suite 1400
One Riverfront Plaza
Louisville, KY 40202
Telephone: (502) 584-6137
ATTORNEYS FOR TRITEL COMMUNICATIONS, INC.
& TRITEL FINANCE, INC.

COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

December 10, 1999

To: All parties of record

RE: Case No. 1999-463
TRITEL FINANCE, INC.

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,

Stephanie Bell
Secretary of the Commission

SB/sh
Enclosure

David Burak
Tritel Finance, Inc.
1512 Crums Lane
Louisville, KY. 40216

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

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

Honorable Sandra F. Keene
& Honorable Mark W. Dobbins
Attorneys for Tritel
Tilford, Dobbins, Alexander,
Buckaway & Black
One Riverfront Plaza, Suite 1400
Louisville, KY. 40202

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC.,)		
TRITEL COMMUNICATIONS, INC. AND TRITEL	)	
FINANCE, INC. FOR ISSUANCE OF A CERTIFICATE OF	)	CASE NO.: 99-463
PUBLIC CONVENIENCE AND NECESSITY TO	)	
CONSTRUCT A WIRELESS COMMUNICATIONS	)	
FACILITY AT 800 ASKEW SERVICE ROAD	)	
HOPKINSVILLE, KY 42240	)	
IN THE WIRELESS COMMUNICATIONS LICENSE AREA	)	
IN THE COMMONWEALTH OF KENTUCKY	)	
IN THE COUNTY OFCHRISTIAN	)	

SITE NAME: ASKEW SERVICE ROAD
SITE NUMBER: 083-198

* * * * * * *

Crown Communication Inc. ("Crown"), as ultimate owner, and Tritel Communications, Inc. and Tritel Finance, Inc. (both Tritel entities jointly referred to as "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 ("PSC") 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:

COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

December 2, 1999

To: All parties of record

RE: Case No. 1999-463
TRITEL FINANCE, INC.
(Construct) CELL SITE - 800 ASKEW SERVICE ROAD - HOPKINSVILLE

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received December 1, 1999 and has been assigned Case No. 1999-463. 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
Secretary of the Commission

SB/jc

David Burak
Tritel Finance, Inc.
1512 Crums Lane
Louisville, KY. 40216

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

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

Honorable Sandra F. Keene
& Honorable Mark W. Dobbins
Attorneys for Tritel
Tilford, Dobbins, Alexander,
Buckaway & Black
One Riverfront Plaza, Suite 1400
Louisville, KY. 40202

Pike
Legal Group
Attorneys at Law

November 30, 1999

VIA HAND DELIVERY

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

Re: Request for Waiver for From Requirements for Duplicate Initial Filing
PSC Case Number: 99-463
Site Name: Askew Service Road
Site Number: 083-198

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 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

Shepherdsville Office • 200 S. Buckman Street • P.O. Box 369 • Shepherdsville, Kentucky 40165-0369 • (502) 955-4400 / Fax: (502) 543-4410
Frankfort Office • Frankfort Plaza • P.O. Box 771 • Frankfort, Kentucky 40602-0771 • (502) 875-4048

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CROWN COMMUNICATION INC., TRITEL COMMUNICATIONS, INC. AND TRITEL FINANCE, INC. FOR ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY AT 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY 42240 IN THE WIRELESS COMMUNICATIONS LICENSE AREA IN THE COMMONWEALTH OF KENTUCKY IN THE COUNTY OFCHRISTIAN	)	CASE NO.: 99-463

SITE NAME: ASKEW SERVICE ROAD
SITE NUMBER: 083-198

* * * * * * * *

Crown Communication Inc. ("Crown"), as ultimate owner, and Tritel Communications, Inc. and Tritel Finance, Inc. (both Tritel entities jointly referred to as "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 ("PSC") 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.

Tritel Communications, Inc., a Delaware Corporation, 1410 Livingston Lane, Jackson, Mississippi 39213 (601) 362-2200, having a local address of 2351 Nelson Miller Parkway, Suite 103, Louisville, Kentucky 40223.

Tritel Finance, Inc., a Delaware Corporation, 1410 Livingston Lane, Jackson, Mississippi 39213 (601) 362-2200, having a local address of 2351 Nelson Miller Parkway, Suite 103, Louisville, Kentucky 40223.

2. Crown constructs, owns, manages, maintains, and operates independent communications networks. Crown owns and manages safe, clean, and well-maintained facilities. Crown facilities do not generate smoke, odors, noise, noxious gases, vibrations, or increase traffic. Studies show that Crown's facilities will not pollute air, soil, or water, nor will they adversely affect radio or television reception or transmission. A certified copy of the Certificate of Authority issued by the Secretary of State of the Commonwealth of Kentucky and a certified copy of the Articles of Incorporation issued by the Secretary of State of Delaware for Crown are attached or described as part of **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 PSC. In compliance with the PSC's Order in

Administrative Case No. 370, Provider previously filed with the PSC its Notice of Intent to Construct and Operate a Commercial Mobile Radio Service ("CMRS") Transmission System with the Commonwealth of Kentucky. Included with said Notice were copies of Provider's Articles of Incorporation and FCC license. Tritel also has filed a Tariff with the PSC (Tariff No. 60-0067). 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 800 Askew Service Road, Hopkinsville, Kentucky 42240 (36° 44' 32.38" North latitude, 87° 28' 42.87" 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 Mildred O. Wallace. The proposed WCF will consist of a 175-foot self support tower, with an approximately 6-foot lightning arrestor attached at the top, for a total height of 181 feet. The WCF will also include concrete foundations to accommodate the placement of the Provider's proprietary radio electronics equipment. The equipment will be housed in a prefabricated cabinet or shelter that will contain: (i) the transmitting and receiving equipment required to connect the WCF with the Provider's users in Kentucky, (ii) telephone lines that will link the WCF with the Provider's other facilities, (iii) battery back-up that will allow the Provider to operate even after a loss of outside power, and (iv) all other necessary appurtenances. The Provider's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit B** and

Exhibit C. Periodic inspections will be performed on the WCF in accordance with the applicable regulations or requirements of the PSC. The list of competing utilities, corporations, or persons is attached as **Exhibit D**.

7. Reduced copies of the site development plan have been included as **Exhibit B** and **Exhibit C** of this Application. A vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the Provider and future antenna mounts, has also been included as part of **Exhibit B**. Foundation design plans and a description of the standards according to which the tower was designed signed and sealed by a professional engineer registered in Kentucky is included as part of **Exhibit C**.

8. The Applicants have considered the likely effects of the installation on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to collocate. The Applicants have attempted to collocate on suitable existing structures such as a telecommunications towers or other suitable structures capable of supporting the Provider's facilities. No other suitable and available collocation site was found to be located in the vicinity of the site. Information regarding the Applicants' efforts to achieve collocation in the vicinity are presented as **Exhibit E**.

9. The Applicants have conducted a preliminary aeronautical evaluation for the proposed WCF. The evaluation determined that the proposed structure height at this site meets Federal Aviation Administration ("FAA") Regulation requirements. Furthermore, FAA

notice is required for the proposed construction, and lighting or marking requirements may be applicable to this facility. A copy of the FAA Application is attached as **Exhibit F**. Upon receiving authorization from the FAA, the Applicants will forward a copy of the determination as a supplement to this Application proceeding.

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

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

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

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

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 Charles E. Weiter, 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 PSC approval. Each property owner has been given the docket number under which the proposed Application will be processed and has been informed of their right to request intervention. A list of the nearby property owners who received the notices, together with copies of the certified letters, are attached as **Exhibit K** and **Exhibit L**, respectively.

20. Crown, on behalf of itself and the Provider, has notified the Judge Executive of the county where the WCF is located by certified mail, return receipt requested, of the proposed construction. Crown included in said notice the 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 vacant 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:

Lloyd McCarthy
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
ATTORNEY FOR CROWN COMMUNICATION INC.

and

Mark W. Dobbins
Sandra F. Keene
Tilford, Dobbins, Alexander, Buckaway, & Black
Suite 1400
One Riverfront Plaza
Louisville, Kentucky 40202
(502) 584-6137
ATTORNEYS FOR TRITEL COMMUNICATIONS, INC.
& TRITEL FINANCE, INC.

WHEREFORE, the Applicants respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS 278.020 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein for the respective networks in the Commonwealth of Kentucky.

Respectfully submitted,

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

and

Mark W. Dobbins
Sandra F. Keene
Tilford, Dobbins, Alexander, Buckaway, & Black
Suite 1400
One Riverfront Plaza
Louisville, Kentucky 40202
(502) 584-6137
ATTORNEYS FOR TRITEL COMMUNICATIONS, INC. & TRITEL FINANCE, INC.

LIST OF EXHIBITS

A - Articles of Incorporation and Certificate of Authority

B - Site Development Plan:

- Vicinity Map
- Property Owner Listing
- 500' Vicinity Map
- Legal Descriptions
- Flood Plain Certification
- Site Plan
- Vertical Tower Profile

C - Tower and Foundation Design

D - Competing Utilities, Corporations, or Persons List

E - Collocation Report

F - Application to FAA

G - Application to Kentucky Airport Zoning Commission

H - Geotechnical Report

I - Directions to WCF Site

J - Copy of Real Estate Agreement

K - Notification Listing

L - Copy of Property Owner Notification

M - Copy of Judge Executive Notice

N - Copy of Posting Notices

O - Copy of Radio Frequency Design Search Area

P - Tower Map for Subject County

EXHIBIT A
ARTICLES OF INCORPORATION AND 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, 19 97.

John Y. Brown III

JOHN Y. BROWN III
Secretary of State
Commonwealth of Kentucky

SSC-228(1/96) JS

IN WITNESS WHEREOF, I have hereunto

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

SSC-208

JS

State of Delaware

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TRITEL FINANCE, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-FIRST DAY OF AUGUST, A.D. 1998.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE NOT BEEN ASSESSED TO DATE.

END OF DOCUMENT

2901520 8300

981328729

Edward J. Freel, Secretary of State

AUTHENTICATION: 9265495

DATE: 08-21-98

Federal Communications Commission

Wireless Telecommunications Bureau

Radio Station Authorization

Call Sign: WPOI255	File Number: 50458CWAL98	Print Date: 01/27/1998

Name of Licensee:

Global PCS, Inc.
1410 Livingston Lane

Jackson MS 39213-8003

Market Number:	Channel Block:	Sub-Market Designator:
MTA025	A	2

Market Name: Louisville-Lexington-Evansvill

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

Effective Date	1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date	Expiration Date
01/27/1998	06/23/2000	06/23/2005			06/23/2005

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

Special Conditions:

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

A graphical representation of the geographic area authorized to this call sign may be generated by selecting 'License Search' at the following web address: http://wtbwww05.fcc.gov

EXHIBIT B

SITE DEVELOPMENT PLAN:

- VICINITY MAP
- PROPERTY OWNER LISTING
- 500' VICINITY MAP
- LEGAL DESCRIPTIONS
- FLOOD PLAIN CERTIFICATION
- SITE PLAN
- VERTICAL TOWER PROFILE

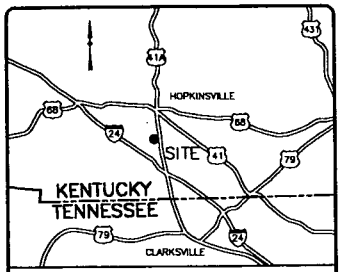
CROWN COMMUNICATION, INC.

ASKEW SERVICE ROAD
083-198-00A

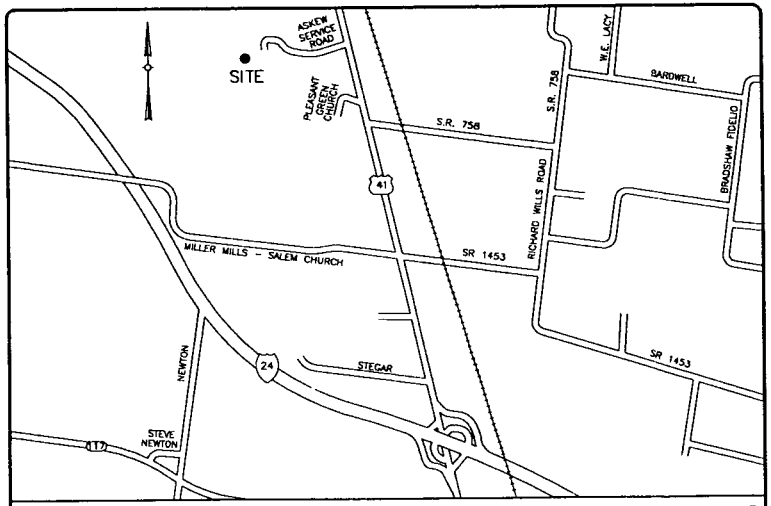
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KY. 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

800 ASKEW SERVICE ROAD
HOPKINSVILLE, KY. 42240

PROPOSED 175' SELF SUPPORT TOWER
WITH MULTIPLE CARRIERS



REGION MAP SCALE: NONE



VICINITY MAP SCALE: NONE

ARCHITECTURAL DESIGN ENGINEER

BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

SURVEYING

T. Alan Neal Company
Civil Engineering & Land Surveying
428 Warnock Street
Louisville, KY 40217
(502) 635-5866 FAX: 636-5263

FROM HOPKINSVILLE GO SOUTH 8 MILES ON HWY 41A (ALTERNATE) FROM THE PENNYRILE INTERCHANGE. ASKEW SERVICE ROAD IS APPROXIMATELY 1.5 MILES BEYOND THE TRAIN TRESSLE THAT YOU WILL GO UNDER. ASKEW SERVICE ROAD IS ON THE RIGHT. GO TO END OF THE ROAD. THE SITE IS IN THE CORNFIELD, APPROXIMATELY 900' BEYOND THE PAVED ROAD.

DIRECTIONS TO SITE

SITE NAME
ASKEW SERVICE ROAD

SITE NUMBER
083-198-00A

SITE ADDRESS
800 ASKEW SERVICE ROAD
HOPKINSVILLE, KENTUCKY 42240

SITE OWNER
MILDRED O. WALLACE
2591 STONE BRIAR DRIVE
CLARKSVILLE, TN. 37043

APPLICANT
CROWN COMMUNICATION, INC.
COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PARKWAY
LOUISVILLE, KENTUCKY 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045

ZONING
NA

TAX MAP NUMBER
125

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

PARCEL NUMBER
14

SOURCE OF TITLE
DEED BOOK 532, PAGE 745

PROJECT INFORMATION

SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET & SITE INFO
SURVEY	
C-1	500' RADIUS/ABUTTERS
C-2	SITE SURVEY PLAN
ARCHITECTURAL	
Z-3	SITE LAYOUT
Z-4	NORTH & SOUTH ELEVATION
Z-5	EAST & WEST ELEVATION

SHEET INDEX

R.F. _____
IMPLEMENTATION _____
LEASE AGENT _____
ZONING AGENT _____
LAND OWNER _____

SIGNATURE BOX

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40
(502) 459-8402 PHO
(502) 459-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: D.B. 532, PG. 745

LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: TITLE SHEET, SITE INFO AND SHEET INDEX

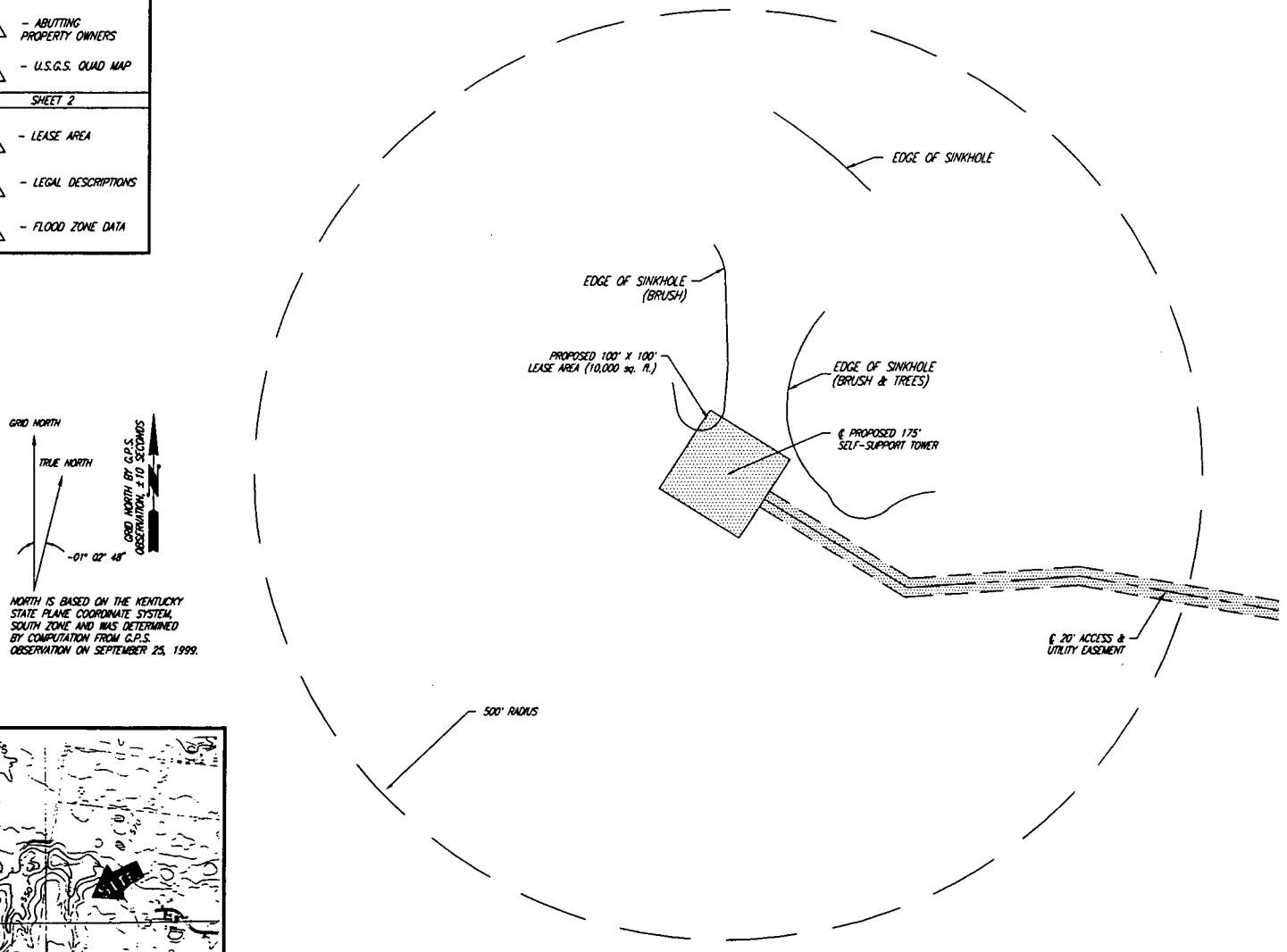
SHEET: T-1

SHEET 1

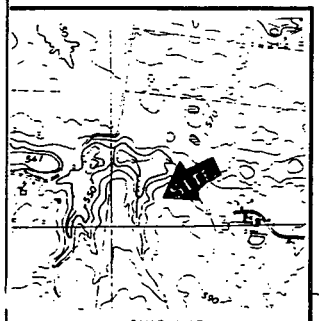
- S1/1 – VICINITY AND 500' STRUCTURAL MAP
- S1/2 – ABUTTING PROPERTY OWNERS
- S1/3 – U.S.G.S. QUAD MAP

SHEET 2

- S2/1 – LEASE AREA
- S2/2 – LEGAL DESCRIPTIONS
- S2/3 – FLOOD ZONE DATA



NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON SEPTEMBER 25, 1999.



S1/3 QUAD MAP
SCALE: 1"=2000'

U.S.G.S. 7 1/2 MINUTE QUAD MAP OF OAK GROVE, KY.

S1/1

Ⓐ MAP 125, LOT 14
WALLACE, MILDRED O.
2591 STONE BRIAR DRIVE
CLARKSVILLE, TN 37043
DEED BOOK 532, PAGE 745

CROWN COMMUNICATION INC
COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PARKWAY
SUITE 330
LOUISVILLE, KY. 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045

T. Alan Neal Company
tan
(502) 635-5866
FAX: 636-5263
Civil Engineering 428 Wernock Street Louisville, Kentucky 40217 Land Surveying

ECHO NUMBER:
083-198-00A

SITE NAME:
800 ASKEW SERVICE ROAD

SITE ADDRESS:
ASKEW SERVICE ROAD
HOPKINSVILLE, KY 42240

AREA:
LEASE AREA = 10,000 sq. ft.

PROPERTY OWNER:
MILDRED O. WALLACE
2591 STONE BRIAR DRIVE
CLARKSVILLE, TN 37043

TAX MAP NUMBER:
125

PARCEL NUMBER:
14

SOURCE OF TITLE:
DEED BOOK 532, PAGE 745

DWG BY:	CHKD BY:	DATE:
AES	FSH	10.01.99

TAN PROJECT NO.:
T-2709

SHEET 1 OF 2

REVISIONS:
SELF-SUPPORT TOWER 10.29.99
SITE ADDRESS 11.01.99

C1

SHEET 1

- S1/1 - VICINITY AND 500' STRUCTURAL MAP
- S1/2 - ABUTTING PROPERTY OWNERS
- S1/3 - U.S.G.S. QUAD MAP

SHEET 2

- S2/1 - LEASE AREA
- S2/2 - LEGAL DESCRIPTIONS
- S2/3 - FLOOD ZONE DATA

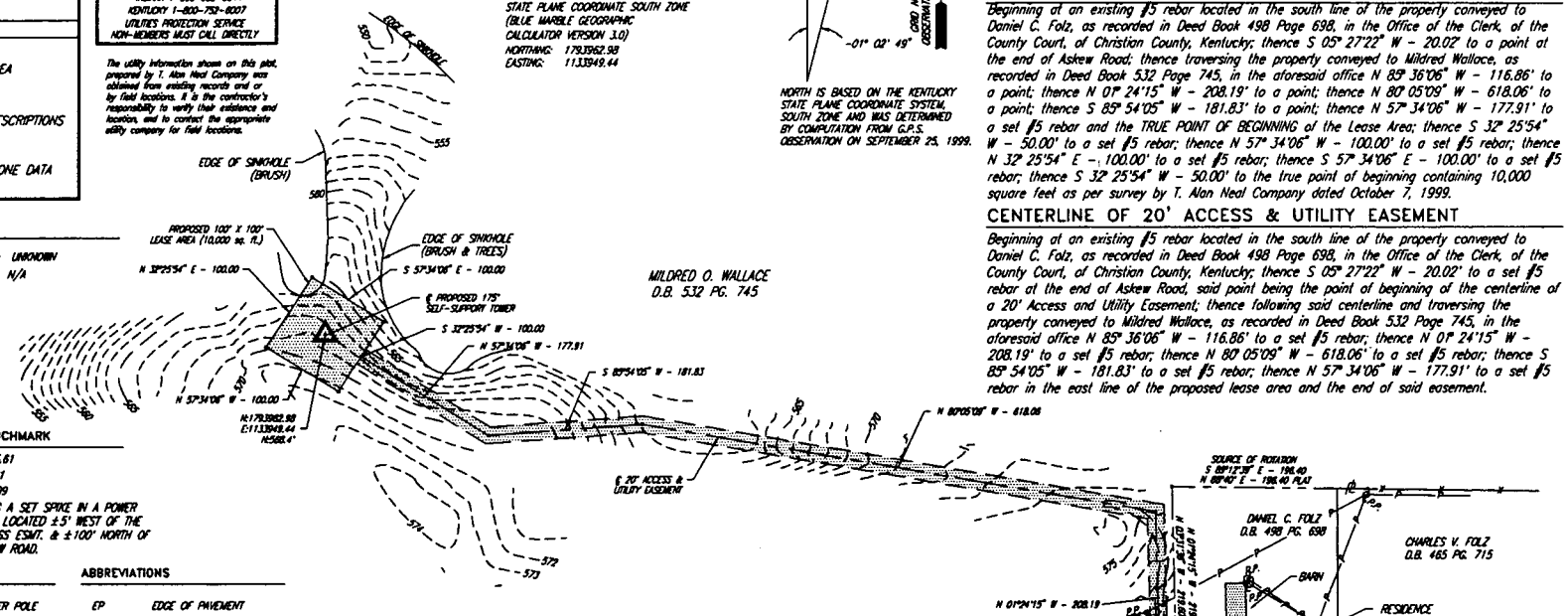
UNDERGROUND UTILITIES
CALL 2 WORKING DAYS
BEFORE YOU DIG
INDIANA 1-800-382-5544
KENTUCKY 1-800-752-6007
UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST CALL DIRECTLY

The utility information shown on this plat, prepared by T. Alan Neal Company was obtained from existing records and or by field locations. It is the contractor's responsibility to verify their existence and location, and to contact the appropriate utility company for field locations.

COORDINATE POINT LOCATION
NAD 1983
LATITUDE: 38° 44' 32."38
LONGITUDE: 87° 28' 42."87
NAVD 1988
ELEVATION: 568.4'
STATE PLANE COORDINATE SOUTH ZONE
(BLUE MARBLE GEOGRAPHIC
CALCULATOR VERSION 3.0)
NORTHING: 1793962.98
EASTING: 1133949.44

GRID NORTH
TRUE NORTH
-01° 02' 49"
GRID NORTH BY G.P.S. OBSERVATION ± 10 SECONDS

NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON SEPTEMBER 25, 1999.



POWER POLE
UTILITY COMPANY: UNKNOWN
IDENTIFICATION #: N/A

PROJECT BENCHMARK
NORTH: 1793625.61
EAST: 1134922.01
ELEVATION: 580.99
LOCATION: BEING A SET SPIKE IN A POWER POLE LOCATED ±5' WEST OF THE ACCESS ESMT. & ±100' NORTH OF ASKEW ROAD.

SYMBOL LEGEND

- WOOD POWER POLE
- LIGHT POLE
- MANHOLE
- WATER METER
- FIRE HYDRANT
- GUY ANCHOR
- FENCE POST
- SET #5 REBAR (UNLESS OTHERWISE NOTED)
- EXISTING #5 REBAR (UNLESS OTHERWISE NOTED)

ABBREVIATIONS

EP	EDGE OF PAVEMENT
ROW	RIGHT OF WAY
℄	CENTERLINE
RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
℘	SUBJECT PROPERTY LINE
TC	TOP OF CURB
BC	BOTTOM OF CURB
POB	POINT OF BEGINNING

LINE LEGEND

- P — P — P — OVERHEAD ELECTRIC
- G — G — G — UNDERGROUND GAS LINE
- W — W — W — UNDERGROUND WATER LINE
- SS — SS — SS — UNDERGROUND SANITARY SEWER LINE
- T — T — UNDERGROUND TELEPHONE LINE
- D — D — DRAINAGE/STORM SEWER LINE
- X — X — FENCE
- SUBJECT PROPERTY BOUNDARY
- RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR LINESTYLES DO NOT NECESSARILY APPEAR ON DRAWING(S). USE ONLY AS APPLICABLE

LEGAL DESCRIPTIONS:

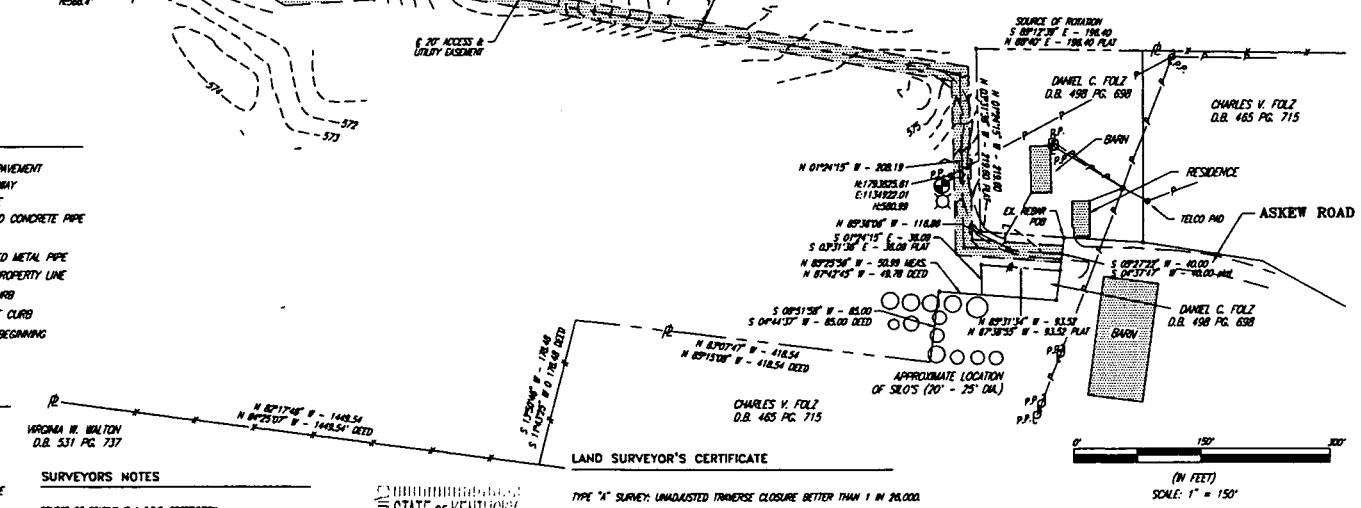
This is a description for Crown Communication Inc., of an area to be leased from the property of Mildred O. Wallace, which is further described as follows:

LEASE AREA

Beginning at an existing #5 rebar located in the south line of the property conveyed to Daniel C. Folz, as recorded in Deed Book 498 Page 698, in the Office of the Clerk, of the County Court, of Christion County, Kentucky; thence S 05° 27'22" W - 20.02' to a point at the end of Askew Road; thence traversing the property conveyed to Mildred Wallace, as recorded in Deed Book 532 Page 745, in the aforesaid office N 85° 36'06" W - 116.86' to a point; thence N 01° 24'15" W - 208.19' to a point; thence N 80° 05'09" W - 618.06' to a point; thence S 85° 54'05" W - 181.83' to a point; thence N 57° 34'06" W - 177.91' to a set #5 rebar and the TRUE POINT OF BEGINNING of the Lease Area; thence S 32° 25'54" W - 50.00' to a set #5 rebar; thence N 57° 34'06" W - 100.00' to a set #5 rebar; thence N 32° 25'54" E - 100.00' to a set #5 rebar; thence S 57° 34'06" E - 100.00' to a set #5 rebar; thence S 32° 25'54" W - 50.00' to the true point of beginning containing 10,000 square feet as per survey by T. Alan Neal Company dated October 7, 1999.

CENTERLINE OF 20' ACCESS & UTILITY EASEMENT

Beginning at an existing #5 rebar located in the south line of the property conveyed to Daniel C. Folz, as recorded in Deed Book 498 Page 698, in the Office of the Clerk, of the County Court, of Christion County, Kentucky; thence S 05° 27'22" W - 20.02' to a set #5 rebar at the end of Askew Road, said point being the point of beginning of the centerline of a 20' Access and Utility Easement; thence following said centerline and traversing the property conveyed to Mildred Wallace, as recorded in Deed Book 532 Page 745, in the aforesaid office N 85° 36'06" W - 116.86' to a set #5 rebar; thence N 01° 24'15" W - 208.19' to a set #5 rebar; thence N 80° 05'09" W - 618.06' to a set #5 rebar; thence S 85° 54'05" W - 181.83' to a set #5 rebar; thence N 57° 34'06" W - 177.91' to a set #5 rebar in the east line of the proposed lease area and the end of said easement.



(IN FEET)
SCALE: 1" = 150'

SURVEYORS NOTES

SOURCE OF BEARING IS A G.P.S. OBSERVATION ON SEPTEMBER 25, 1999.

SOURCE OF ROTATION BASED ON THE NORTH PROPERTY LINE OF THE FOLZ PROPERTY HAVING THE BEARING OF N 88°40' W PER D.B. 498, PG. 698, AND THE CALCULATED BEARING OF S 89°12'39" E.

SITE SHOWN SUBJECT TO RIGHT OF WAYS SHOWN HEREON OR NOT

NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR ANOMALITIES IN THE TITLE OF THE PARENT TRACT.

EXISTING CONTOURS ARE AT ONE FOOT INTERVALS.

STATE OF KENTUCKY
FRANK L. SELLINGER
3282
LICENSED PROFESSIONAL LAND SURVEYOR

LAND SURVEYOR'S CERTIFICATE

TYPE "A" SURVEY: UNADJUSTED TRAVERSE CLOSURE BETTER THAN 1 IN 20,000.

TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED
I hereby certify that this plat and survey were made under my supervision, and that the angular and linear measurements, as witnessed by monuments shown hereon, are true and correct to the best of my knowledge and belief. This survey and plat meets or exceeds the minimum standards of the governing authorities. This property is subject to any recorded easements or right of ways not shown hereon.

Frank L. Sellinger, Ky. Reg. No. 3282

"CELLULAR COMMUNICATION TOWER SITE SURVEY"
REFERENCED AS "EXHIBIT B"

OWNER APPROVAL: _____ DATE: _____
CROWN APPROVAL: _____ DATE: _____

S2/3 I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 210277 0011A DATED 11-1-97 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA.

CROWN COMMUNICATION INC
COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PARKWAY
SUITE 330
LOUISVILLE, KY. 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045

T. Alan Neal Company
tan
(502) 635-5866
FAX: 636-5263
Civil Engineering 439 Wernwag Street Louisville, Kentucky 40217 Land Surveying

ECHO NUMBER: 083-198-00A

SITE NAME: 800 ASKEW SERVICE ROAD

SITE ADDRESS: ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

AREA: LEASE AREA = 10,000 sq. ft.

PROPERTY OWNER: MILDRED O. WALLACE 2951 STONE BRIAR DR. CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: DEED BOOK 532, PAGE 745

DWG BY:	CHKD BY:	DATE:
JMW	FSII	10.07.99

TAN PROJECT NO.: T-2709

SHEET 2 OF 2

REVISIONS:
SELF-SUPPORT TOWER 10.29.99
SITE ADDRESS 11.01.99

C2

SITE PLAN NOTES

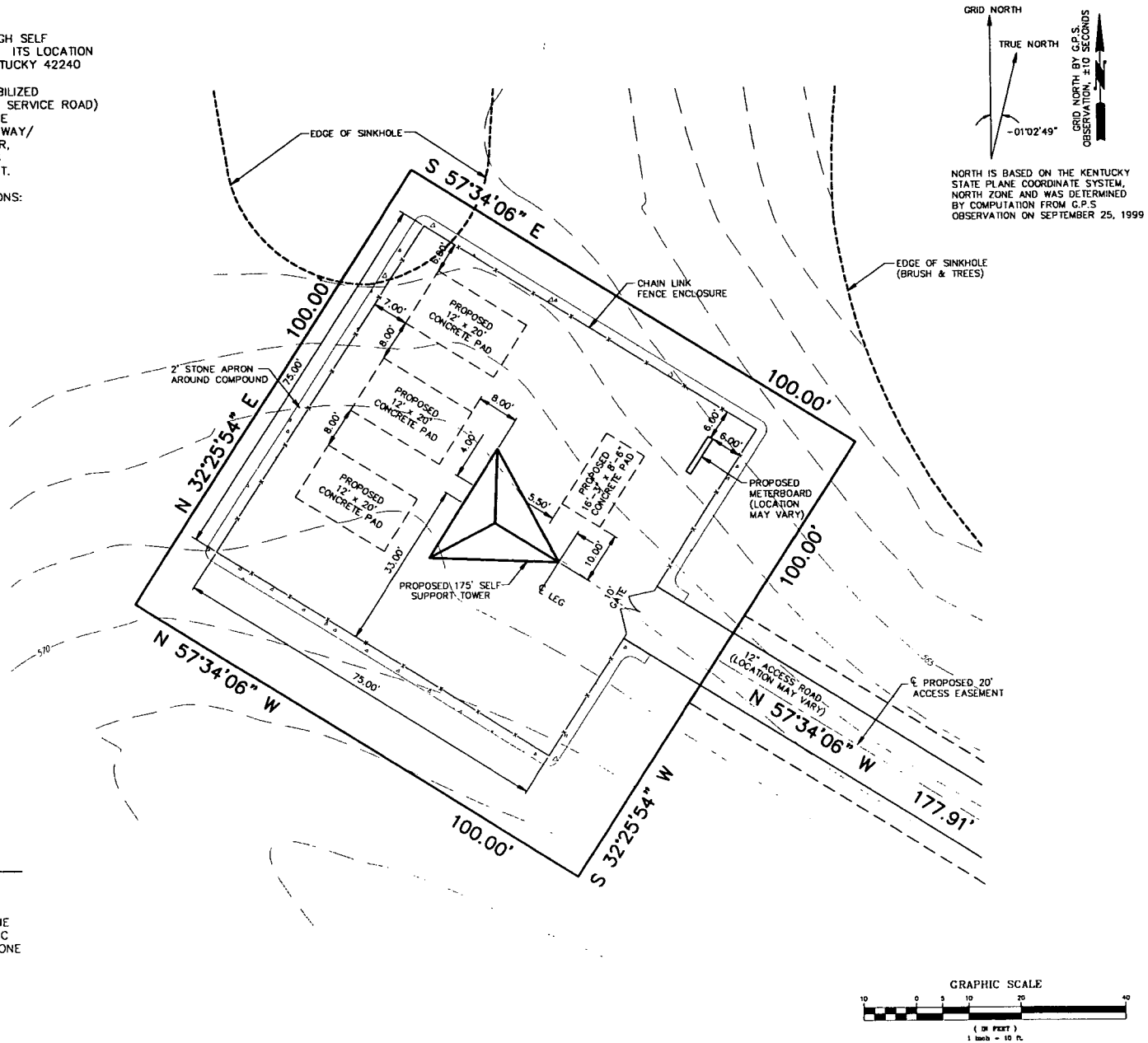
THE PROPOSED DEVELOPMENT IS FOR A 175 FOOT HIGH SELF SUPPORT TOWER AND UP TO 4 ANCILLARY CABINETS. ITS LOCATION IS AT 800 ASKEW SERVICE ROAD, HOPKINSVILLE, KENTUCKY 42240

THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZED DRIVE FROM AN EXISTING ASPHALT ROADWAY (ASKEW SERVICE ROAD) A PUBLIC RIGHT OF WAY. THE ACCESS ROAD IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL HIGHWAY/ DEPARTMENT OF TRANSPORTATION STANDARDS. WATER, SANITARY SEWER, AND WASTE COLLECTIONS SERVICES ARE NOT REQUIRED FOR THE PROPOSED DEVELOPMENT.

CENTERLINE OF EXISTING TOWER GEOGRAPHIC LOCATIONS:
LATITUDE: 36°44'32.38"N, N 1793962.98
LONGITUDE: 87°28'42.87"W, E 1133949.44

NOTE:

1. REMOVE ALL VEGETATION & CLEAN AREA W/ LEASE AREA (WHERE REQUIRED)
2. FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE W/ A SLOPE OF NO LESS THAN ONE EIGHTH (1/8") PER FOOT FLOWING AWAY FROM EQUIP. FOR A MIN. DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS.
3. LOCATE ALL U.G. UTILITIES PRIOR TO ANY CONSTRUCTION
4. FENCED COMPOUND FINISHED SURFACE



LEGEND

—E—	EXISTING OVERHEAD ELECTRIC
—T—	EXISTING OVERHEAD TELEPHONE
—UE— —UE—	EXISTING UNDERGROUND ELECTRIC
—UT— —UT—	EXISTING UNDERGROUND TELEPHONE
UE	PROPOSED UNDERGROUND ELECTRIC
UT	PROPOSED UNDERGROUND TELEPHONE
—x—	FENCE LINE
	POWER POLE
TELE. PED	TELEPHONE PEDESTAL
	WATER VALVES
	FIRE HYDRANTS
	BOLLARDS

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BTM
BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40
(502) 459-8402 PHO
(502) 458-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: O.B. 532, PG. 745

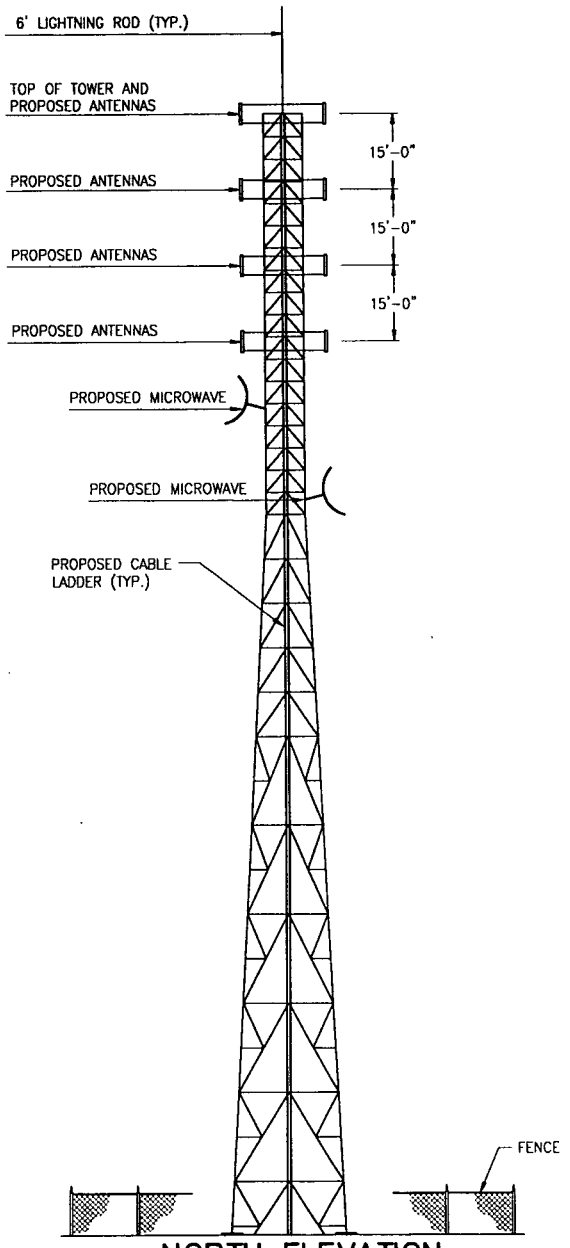
LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

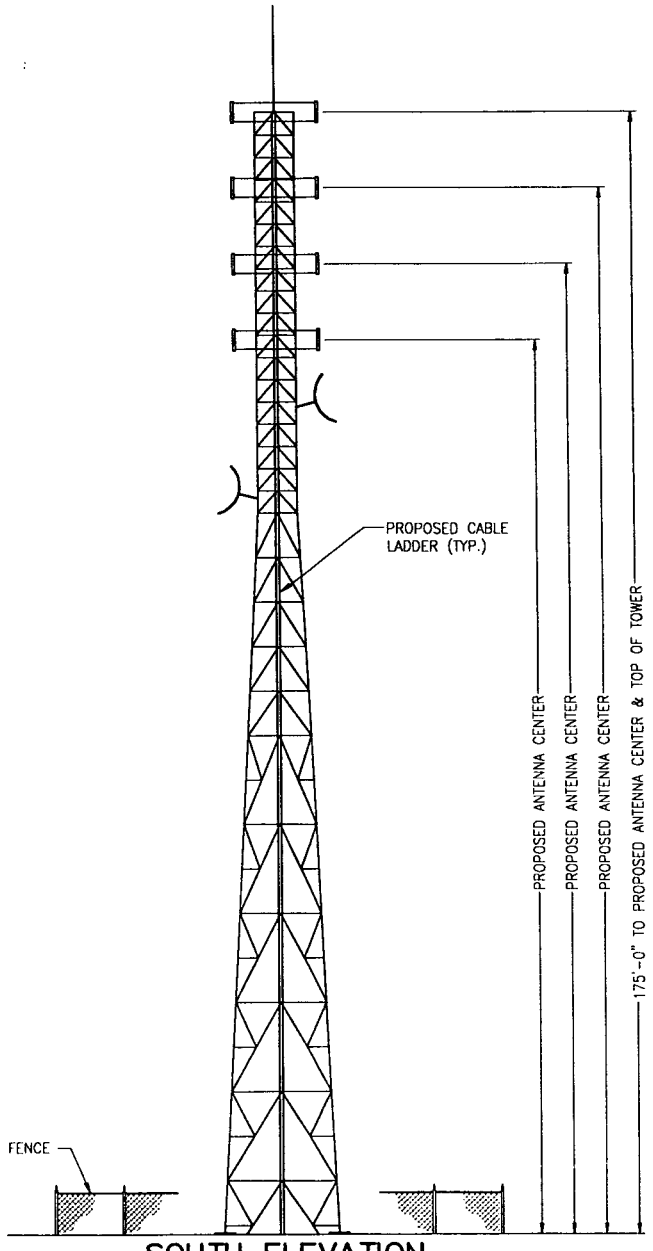
NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: SITE LAYOUT

SHEET: Z-3



NORTH ELEVATION
NOT TO SCALE



SOUTH ELEVATION
NOT TO SCALE

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BTM
BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40[redacted]
(502) 459-8402 PHON[redacted]
(502) 459-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-0DA

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14[redacted]

SOURCE OF TITLE: D.B. 532, PG. 745

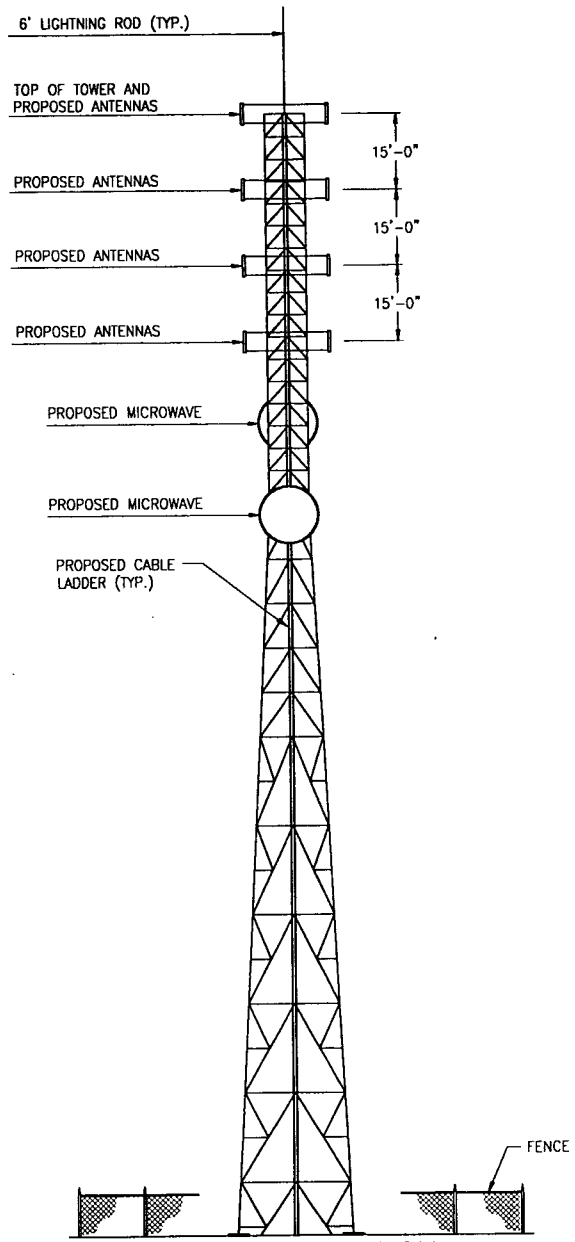
LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

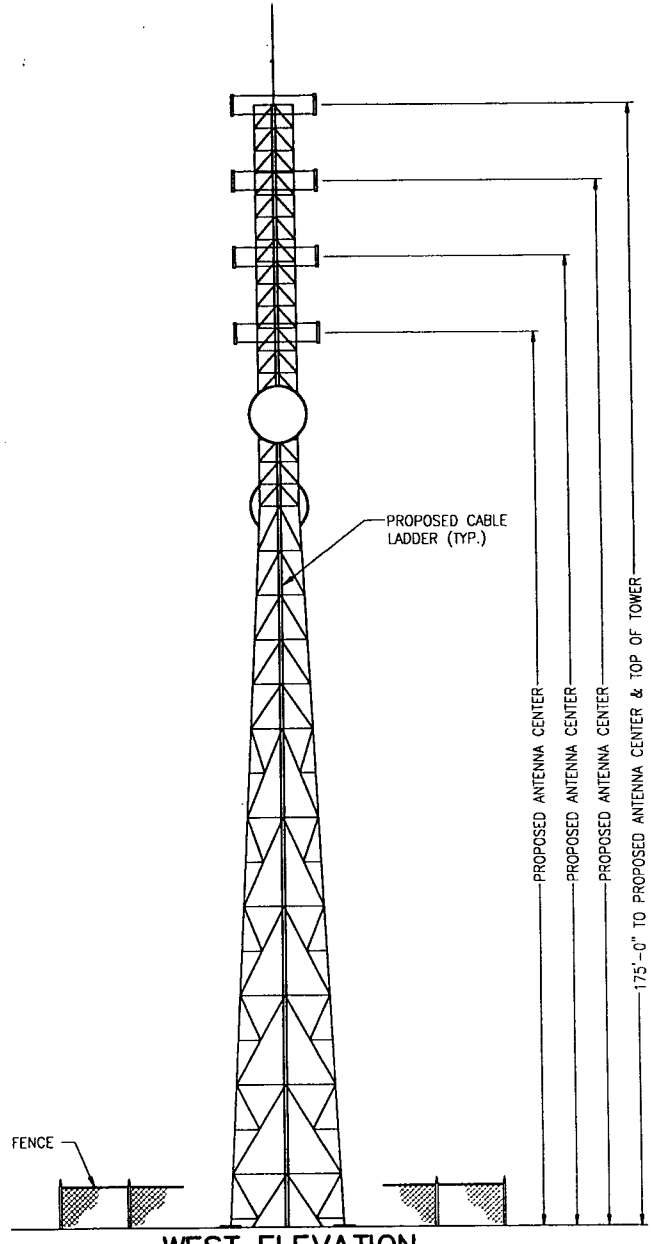
NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: NORTH / SOUTH ELEVATIONS

SHEET: Z-4



EAST ELEVATION
NOT TO SCALE



WEST ELEVATION
NOT TO SCALE

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BTM
BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 402[illegible]
(502) 459-8402 PHON[illegible]
(502) 458-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

AREA: LEASE AREA = 10,000 SQ. FT

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14[illegible]

SOURCE OF TITLE: D.B. 532, PG. 745

LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

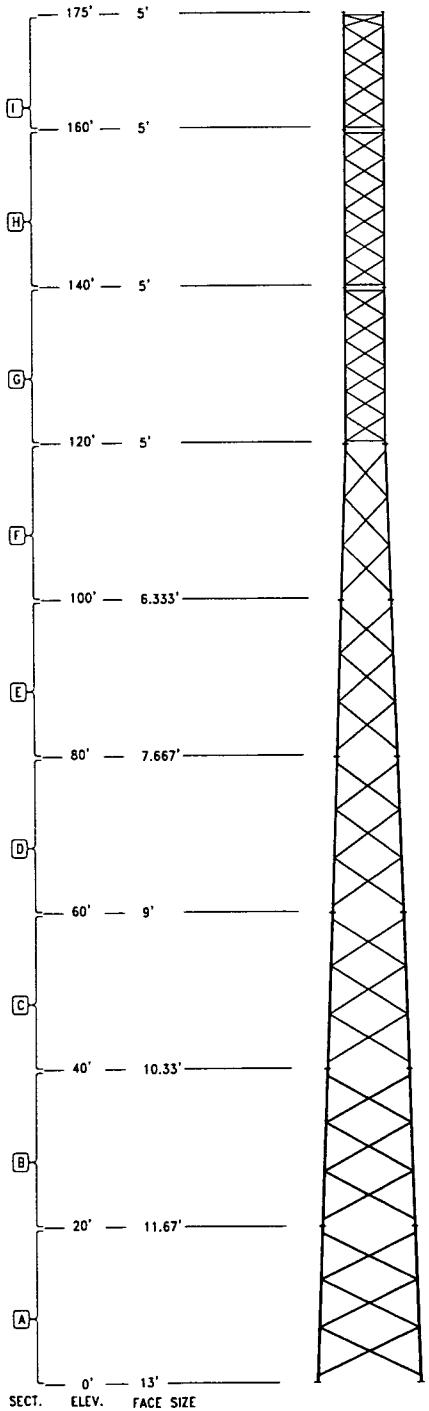
DRAWN BY: DOC
CHECKED BY: BJ

NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: EAST / WEST ELEVATIONS

SHEET: Z-5

EXHIBIT C
TOWER AND FOUNDATION DESIGN



MEMBER CHART

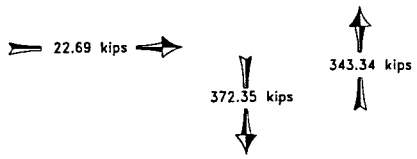
SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS			SECTION WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	CLIMBING	
A	0' - 20'	13' - 11.67'	4-1/2	L 2-1/2 x 2-1/2 x 1/4	N/A	NOTE: 3	4825
B	20' - 40'	11.67' - 10.33'	4-1/4	L 2-1/2 x 2-1/2 x 1/4	N/A	NOTE: 3	4325
C	40' - 60'	10.33' - 9'	4-1/4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	4000
D	60' - 80'	9' - 7.667'	4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	3575
E	80' - 100'	7.667' - 6.333'	3-3/4	L 2 x 2 x 1/4	N/A	NOTE: 3	3225
F	100' - 120'	6.333' - 5'	3-1/2	L 2 x 2 x 1/4	N/A	NOTE: 3	2875
G	120' - 140'	5'	2-3/4	1-1/8 S.R.	1-1/8 S.R.	NOTE: 3	2250
H	140' - 160'	5'	2-1/4	1 S.R.	1 S.R.	NOTE: 3	1625
I	160' - 175'	5'	2	7/8 S.R.	7/8 S.R.	NOTE: 3	500

ANTENNA INFORMATION

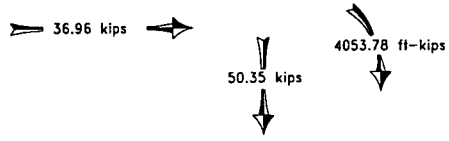
ANTENNA	ELEVATION	LINE
(12) DB878	● TOP	1-5/8
(12) DB878	● 160'	1-5/8
(12) DB878	● 145'	1-5/8
(12) DB878	● 130'	1-5/8
(2) 8' HP DISH	● 115'	EW52/EW63

STATE OF KENTUCKY
CHI S. LEE
11-17-99
18714
REGISTERED
PROFESSIONAL ENGINEER

MAX INDIVIDUAL LEG LOADS



MAX TOTAL FOUNDATION LOAD



DESIGN & DRAWING NOTES:

1) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
2) TOWER STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/EIA-222-F STANDARDS FOR A BASIC WIND SPEED OF 70 MPH WITH 1/2" ICE.
3) STEP BOLTS ARE PROVIDED.
4) SV-MOUNTS ARE PROVIDED.
5) ALL LEG & LEG FLANGE PL MATERIAL IS ASTM A-572 GRADE 50 (Fy ≥ 50 ksi). ALL OTHER MATERIAL IS ASTM A36 (Fy ≥ 36 ksi).
6) SECTIONS A - F ARE 3-BAY X-BRACED (74" BAYS) SECTIONS G - I ARE 6-BAY X-BRACED (38-1/2" BAYS)
7) (8) 1-1/4" ø ASTM A449 ANCHOR BOLTS REQUIRED PER LEG.

OTHER SITE I.D.: ASKOW SERVICE ROAD

OTHER SITE I.D.: 8 0 0 5 2 1

TOWER STOCK # : CR - S - 180 - 090 - 5I - SVA99

Complete Manufacturer Of Communication Towers

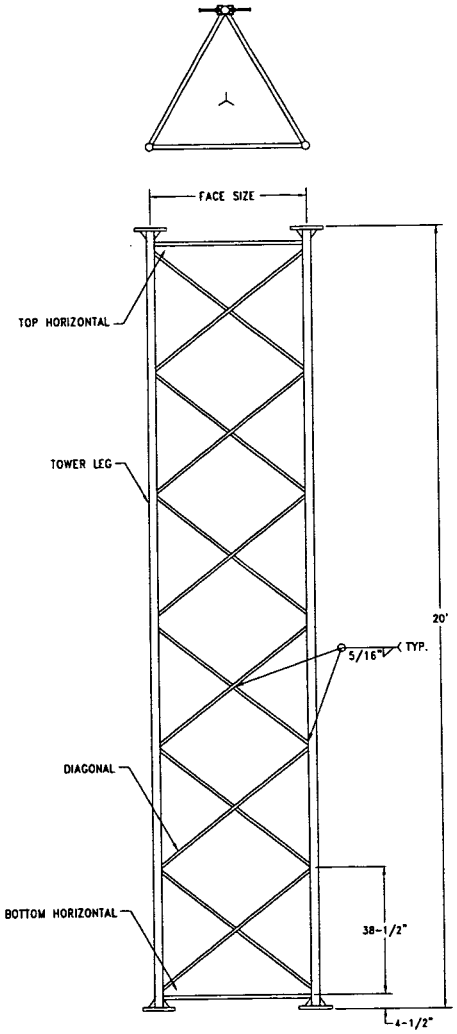
CENTRAL TOWER, INC.

2555 HWY. 261 NEWBURGH, INDIANA 47630 (812)-853-0595

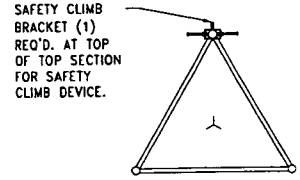
REVISIONS	BY

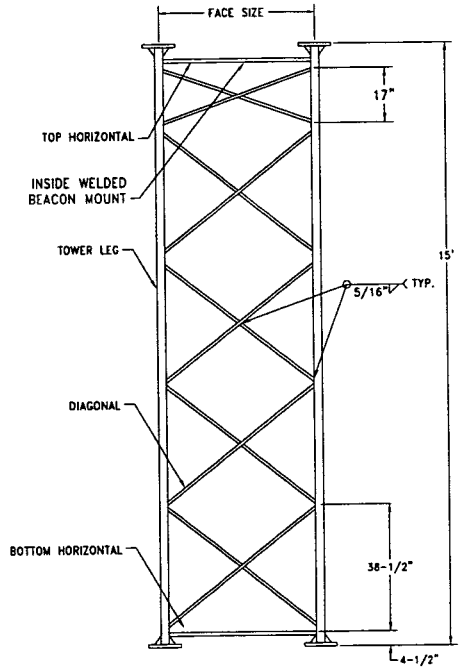
TITLE: Elevation View & Member Information

SITE: Christian Co., KY.	FOR: CROWN CASTLE		PROJ. NO: Ss-632
DESIGNED BY: C.C.	DRAWN BY: A.J.H.		APP. BY:
DATE: 11-16-99	SCALE: NO		DRAWING NO: Ss-632-1
DISK NO: Ss#632	NAME: Ss-632-1		

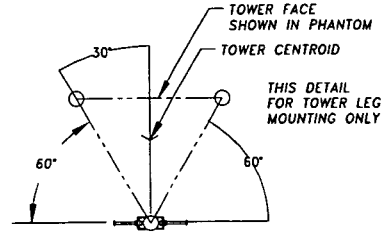


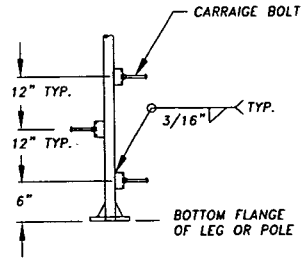
SECTIONS G - H





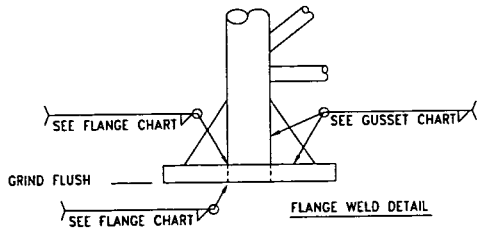
SECTION I





SECTION NOTES:

1) SEE DRAWING Ss-632-1 FOR LEG & INNER MEMBER SIZES.
2) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION



FLANGE WELD DETAIL

OTHER SITE I.D.: 800521

OTHER SITE I.D.: ASKOW SERVICE ROAD

TOWER STOCK # : CR - S - 180 - 090 - 51 - SVA99

Complete Manufacturer Of Communication Towers

CENTRAL TOWER, INC.

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

REVISIONS	BY

TITLE: WELDED SECTION DETAILS

SITE: CHRISTIAN CO., KY.	FOR: CROWN CASTLE		PROJ. NO: Ss-632
DESIGNED BY: R.E.H.	DRAWN BY: J.J.B.		APP. BY:
DATE: 11-16-99	SCALE: NO		DRAWING NO: Ss-632-2
DISK NO: Ss#632	NAME: Ss-632-2		

PAD

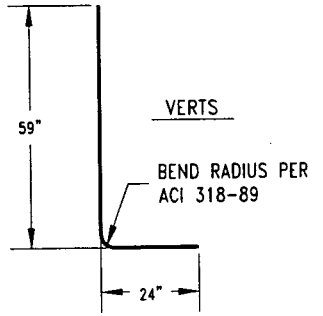
REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	25'	104	2600'

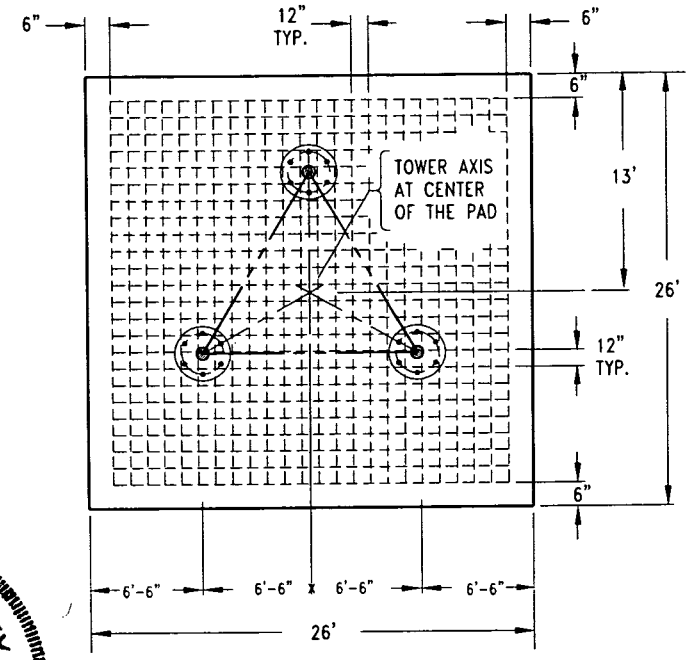
PIER (verts) (Total for 3 Piers)

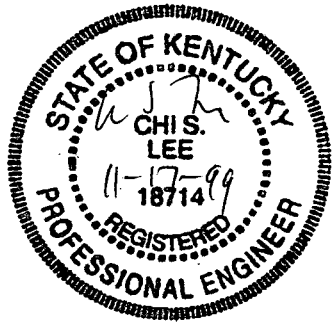
REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	6'-11"	45	311'-3"

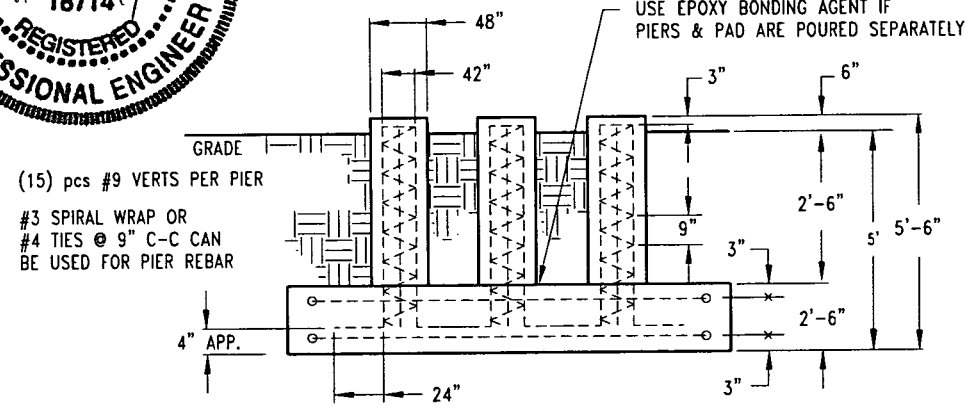
PIER (ties) (Total for 3 Piers)

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#4 GRADE 60	42" ø	24	264'









NOTES:

1) DESIGNED TO CONFORM WITH CURRENT ANSI/EIA-222-F STANDARDS UTILIZING SOIL REPORT PROVIDED BY ATC, INC. ON 10-19-99 PROJECT # 13000.9119.

2) CONCRETE STRENGTH TO EQUAL 3000 psi AT 28 DAYS.

3) NON-CHLORIDE, NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494 TYPE C AND ACI-318 .

4) WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494 .

5) ALL ADMIXTURES SHOULD BE DISPENSED INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. ALL ADMIXTURES MUST BE ADDED SEPARATELY.

6) MINIMUM CONCRETE COVER OF 3" ON ALL STEEL.

7) CROWN TOP OF PIERS FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1".

8) SUBCONTRACTORS PHOTOGRAPH WITH SCALE REFERENCE CAISSON REBAR STRUCTURE PRIOR TO POURING CONCRETE, AFTER POURING CONCRETE BUT PRIOR TO BACKFILL, AND AFTER BACKFILL. PROVIDE A COPY OF PHOTOGRAPHS TO CENTRAL TOWER INC.

9) SUBCONTRACTORS PROVIDE CENTRAL TOWER INC. WITH COPIES OF CONCRETE AND REBAR RECEIPTS SHOWING TYPE & QUANTITY PURCHASED.

10) COMPACT BACKFILL IN 9" LIFTS. REMOVE ALL FORMS PRIOR TO BACKFILL

APPROXIMATE CONCRETE REQ'D = 67 yd^3

OTHER SITE I.D.: 800521

OTHER SITE I.D.: ASKOW SERVICE ROAD

Complete Manufacturer Of Communication Towers

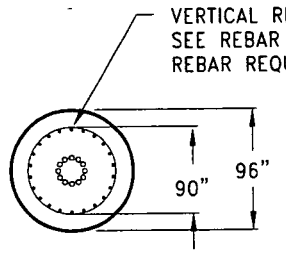
CENTRAL TOWER, INC.

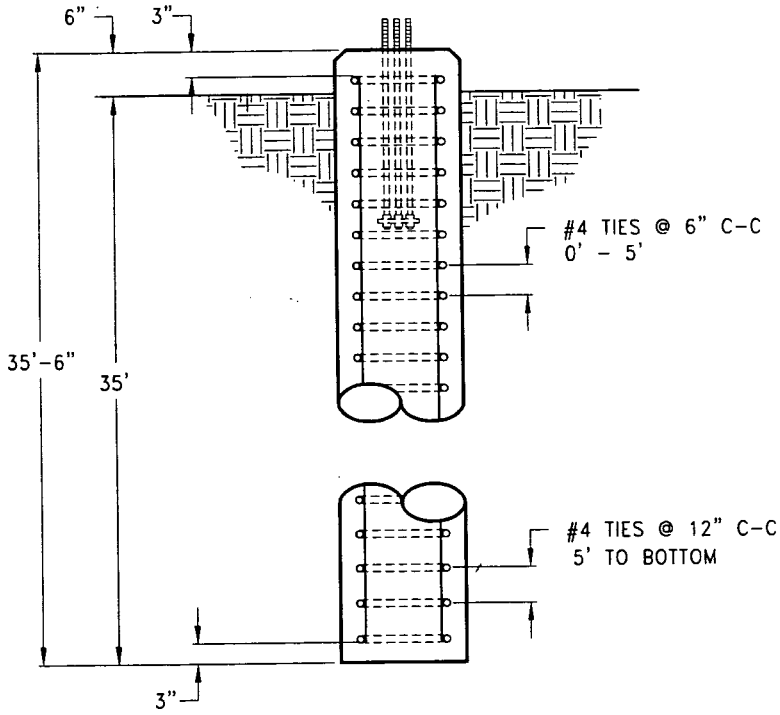
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812)-853-0595

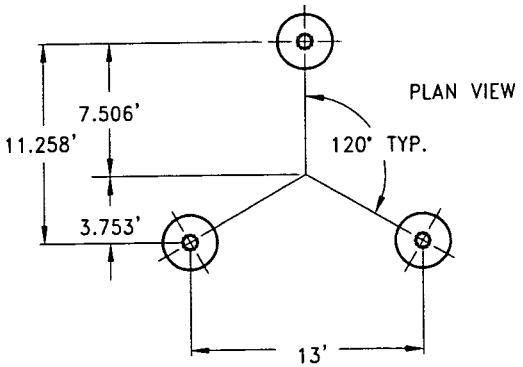
REVISIONS	BY

TITLE: BASE FOUNDATION DESIGN (OPTION #1)

SITE: CHRISTIAN CO., KY.	FOR: CROWN CASTLE	PROJ. NO: SS-632
DESIGNED BY: C.C.	DRAWN BY: J.J.B.	APP. BY:
DATE: 11-16-99	SCALE: NO	DRAWING NO: SS-632-3
DISK NO: SS#632	NAME: SS-632-3	







NOTES:

1) DESIGNED TO CONFORM WITH CURRENT ANSI/EIA-222-F STANDARDS UTILIZING SOIL REPORT PROVIDED BY ATC, INC ON 10-19-99 PROJECT # 13000.9119.

2) CONCRETE STRENGTH TO EQUAL 3000 psi AT 28 DAYS.

3) NON-CHLORIDE, NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM-C-494 TYPE C AND ACI-318 .

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7) CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1"

8) SUBCONTRACTORS PHOTOGRAPH WITH SCALE REFERENCE CAISSON REBAR STRUCTURE PRIOR TO POURING CONCRETE, AFTER POURING CONCRETE BUT PRIOR TO BACKFILL, AND AFTER BACKFILL. PROVIDE A COPY OF PHOTOGRAPHS TO CENTRAL TOWER INC.

9) SUBCONTRACTORS PROVIDE CENTRAL TOWER INC. WITH COPIES OF CONCRETE AND REBAR RECEIPTS SHOWING TYPE & QUANTITY PURCHASED.

APPROXIMATE CONCRETE REQ'D PER CAISSON = 66 YD^3
TOTAL CONCRETE = 198 YD^3

REBAR CHART (1)-CAISSON

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	pcs. OF REBAR	TOTAL FT.
VERTS	#11 GRADE 60	35'	N/A	28	980'
TIES	#4 GRADE 60	N/A	90" ø	40	943'

REBAR CHART (3)-CAISSONS

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	pcs. OF REBAR	TOTAL FT.
VERTS	#11 GRADE 60	35'	N/A	84	2940'
TIES	#4 GRADE 60	N/A	90" ø	120	2829'

STATE OF KENTUCKY
CHI S. LEE
11-17-99
18714
REGISTERED
PROFESSIONAL ENGINEER

OTHER SITE I.D.: 800521

OTHER SITE I.D.: ASKOW SERVICE ROAD

Complete Manufacturer Of Communication Towers

CENTRAL TOWER INC.

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

REVISIONS	BY

TITLE: CAISSON FOUNDATION DESIGN (OPTION #2)

SITE: CHRISTIAN CO., KY.	FOR: CROWN CASTLE	PROJ. NO: SS-632
DESIGNED BY: C.C.	DRAWN BY: J.J.B.	APP. BY:
DATE: 11-16-99	SCALE: NO	DRAWING NO:
DISK NO: SS#632	NAME: SS-632-4	SS-632-4

TEMPLATE DESIGN

Job No. : SS-632

Site Location : Christian CO., KY.

Base Size (In Feet) : 13.000

Support Angle Information

Description (Angle)	Cut Length" (Ft.)	# Req'd
2.5 x 2.5 x 0.25	11	3

Bearing Plate Information

Outer Dia.	# Holes	Bolt Drill	Bolt Circle	# Req'd
12	8	1.375	9.5	3

Anchor Bolt Information

Material Type	Bolt Diameter	LGTH. (in)	# Req'd	"A" (In.)	Embed. Depth "B" (In.)
ASTM A449	1.25	69	24	7.5	61.5

Securing Plate Information

# Holes	Bolt Drill	Bolt Circle	# Req'd
8	1.3125	9.5	3

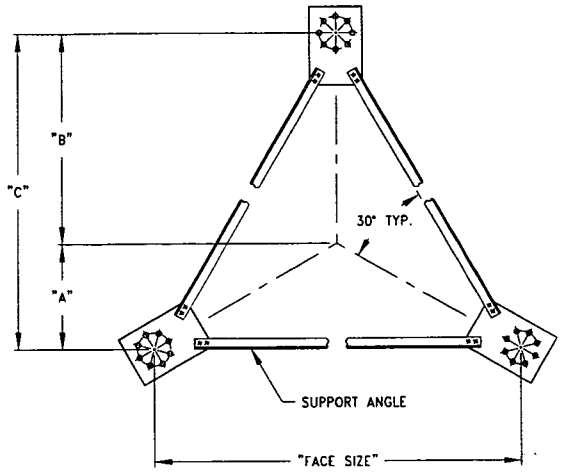
Template Assembly

Face Size	"A" (ft)	"B" (ft)	"C" (ft)
13	3.753	7.506	11.258

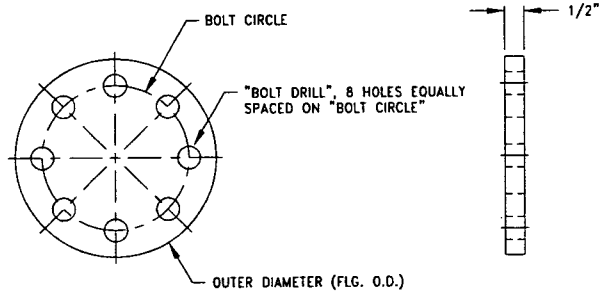
ANGLES SUPPLIED ARE FOR APPROXIMATE BOLT LOCATION ONLY.
PLEASE CHECK THE DISTANCE FROM OUTER MOST BOLT HOLES (BOLTS FARTHEST FROM THE TOWER LEG).

OUTER BOLT DISTANCE SHOULD BE = 13 feet - 8.23 inches

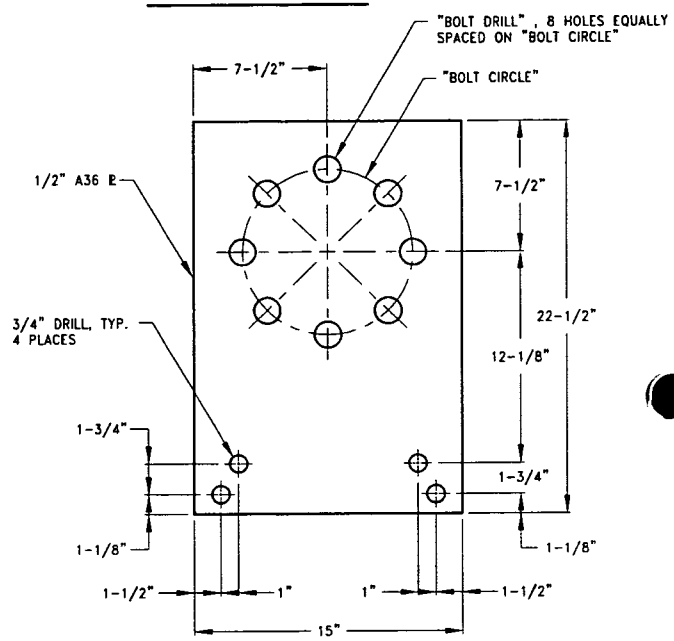
TEMPLATE ASSEMBLY



BEARING PLATE DETAIL



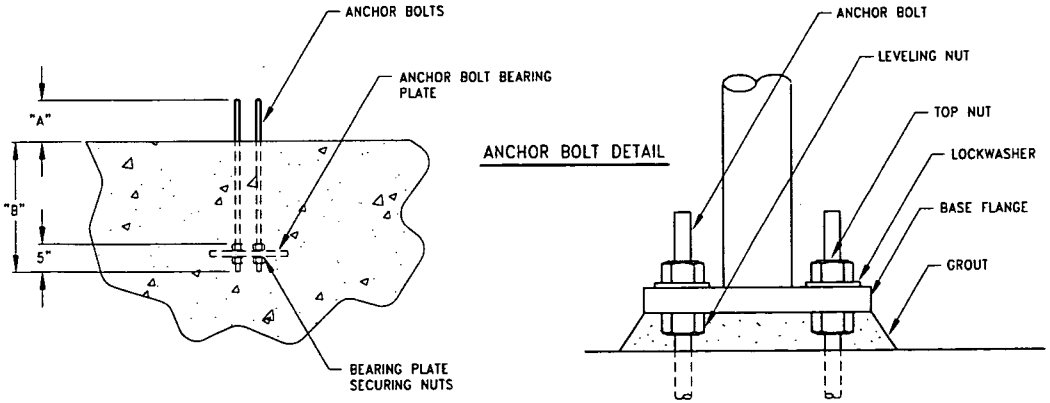
SECURING PLATE DETAIL



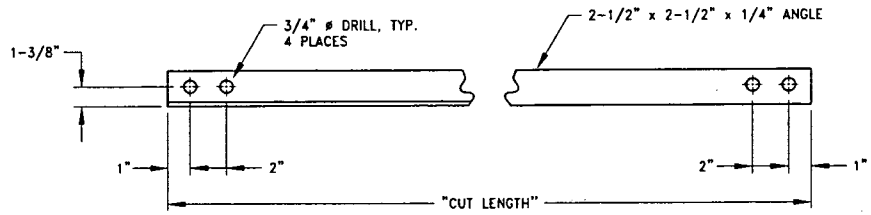
ANCHOR BOLT INSTALLATION NOTES:

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.

ANCHOR BOLT DETAIL



SUPPORT ANGLE DETAIL



Complete Manufacturer Of Communication Towers

CENTRAL TOWER, INC.

2555 HWY. 261 NEWBURGH, INDIANA 47630 (812)853-0595

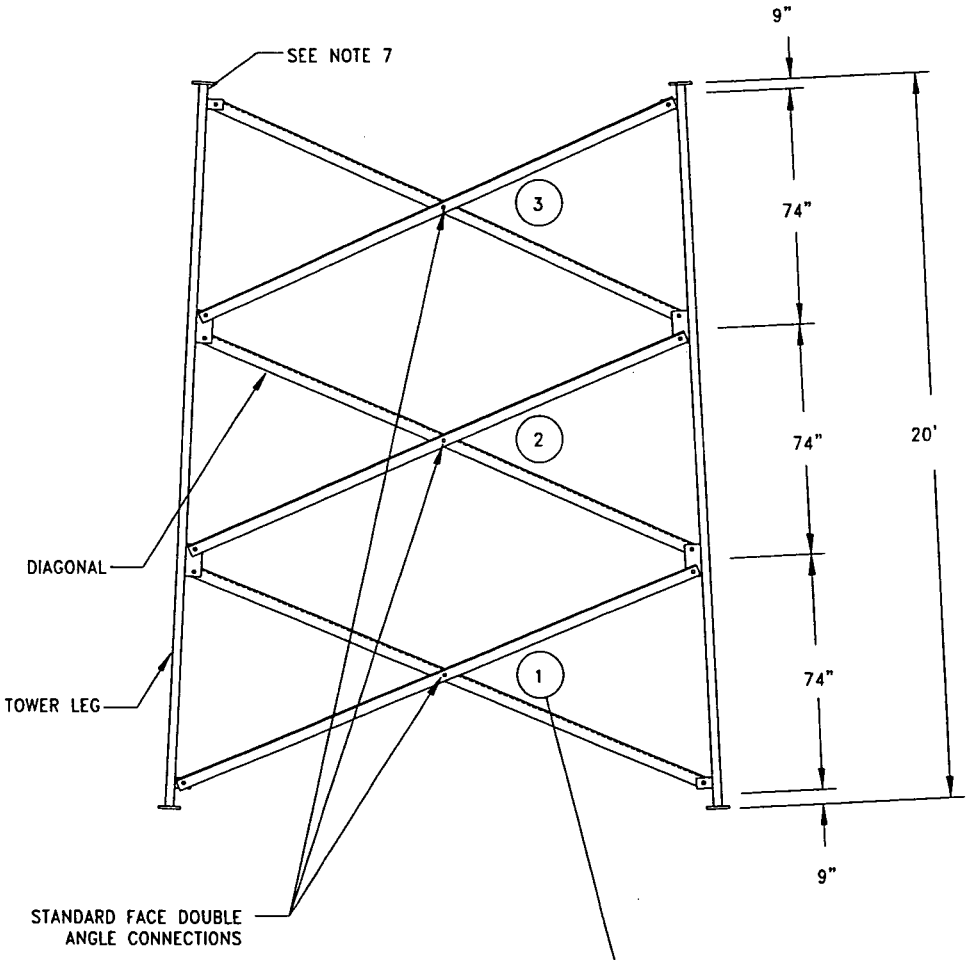
REVISIONS	BY

TITLE: 8-HOLE TEMPLATE DESIGN

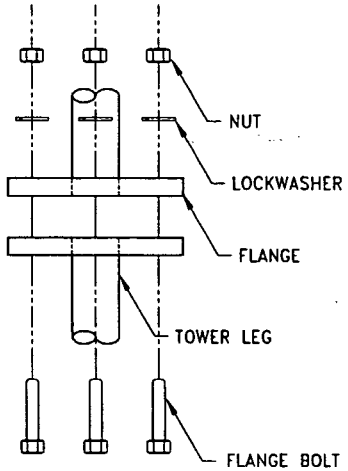
SITE:	AS REQUIRED	FOR:	AS REQUIRED	PROJ. NO:	AS REQ'D
DESIGNED BY:	R.E.H.	DRAWN BY:	R.E.H.	APP. BY:	
DATE:	2-8-94	SCALE:	NO	DRAWING NO:	8-TMPLET
DISK NO:	STANDARD #1	NAME:	8-TMPLET		

3-BAY SECTION ASSEMBLY

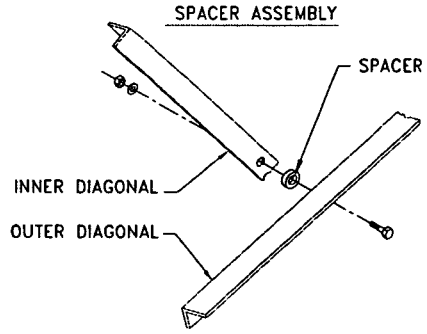
STANDARD FACE



FLANGE CONNECTION DETAIL



SPACER ASSEMBLY



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

- JOB NO.
- C — SECTION
- 1 — LOCATION

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.

Complete Manufacturer Of Communication Towers

CENTRAL TOWER INC.

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

REVISIONS	BY

TITLE: 3-BAY-X INSTALLATION DRAWING

SITE:	AS REQUIRED	FOR:	AS REQUIRED	PROJ. NO:	AS REQ'D
DESIGNED BY:	W.Z.	DRAWN BY:	R.E.H.	APP. BY:	
DATE:	5-27-97	SCALE:	NO	DRAWING NO:	3-BAY-IND
DISK NO:	INSTALL #9	NAME:	3-BAY-IND		

LEGS

Job No. : SS-632

Site Location : Christian CO., KY.

Leg Dimension Inforamtion

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	4.5	N/A	240	9	12	2.21	0.4688	12	N/A	0.0000	3	Y
B	SR	4.25	N/A	240	9	12	N/A	0.0000	10	N/A	0.0000	3	N
C	SR	4.25	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
D	SR	4	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
E	SR	3.75	N/A	240	9	10	N/A	0.0000	10	N/A	0.0000	3	N
F	SR	3.5	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-632

Site Location : Christian CO., KY.

Leg Plate Dimension Information

Section	"A"	"B"	"C"	# Req'd	Drill Size	Minimum Weld
A	2.4375	2.5625	0.50	24	0.8125	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	2.5625	2.4375	0.50	24	0.8125	0.3125
F	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 & Bellow = 2-9/16" (2.5625) .

SPACERS

Job No. : SS-632

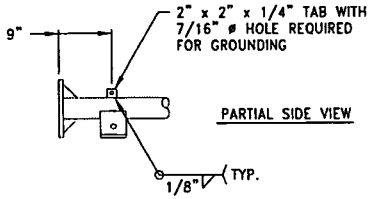
Site Location : Christian CO., KY.

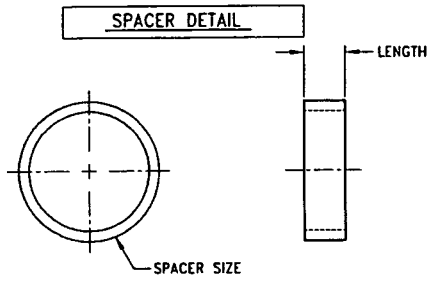
Spacer Information

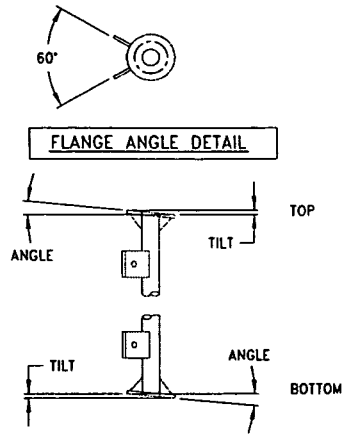
Section	Spacer Size	Length	# Req'd
A	1" Sch. 40	0.5	9
B	1" Sch. 40	0.5	9
C	1" Sch. 40	0.5	9
D	1" Sch. 40	0.5	9
E	1" Sch. 40	0.5	9
F	1" Sch. 40	0.5	9

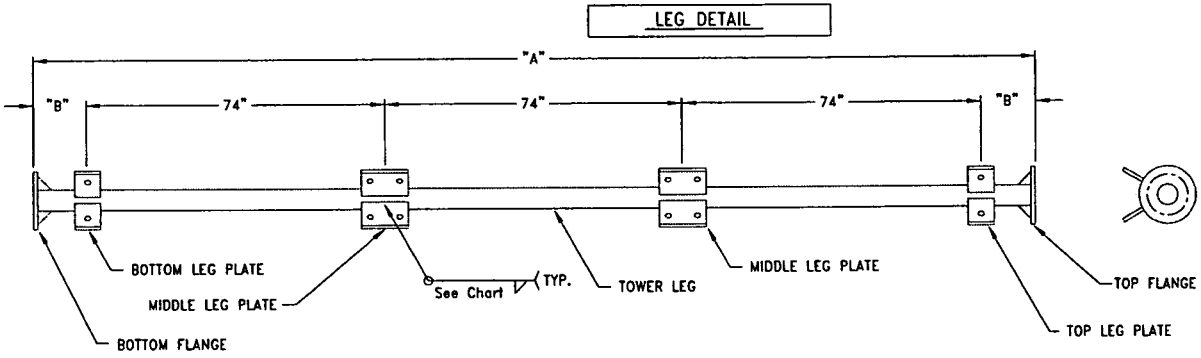
Note 1: Use 1" sch 40 Pipe For 1" o Bolts & Under.

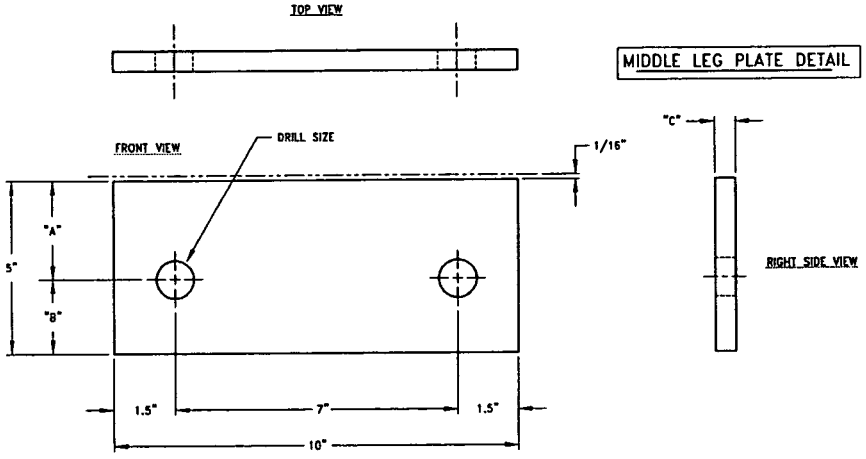
Note 2: Use 1-1/2" sch 40 Pipe For 1-1/8" o Bolts & Over.



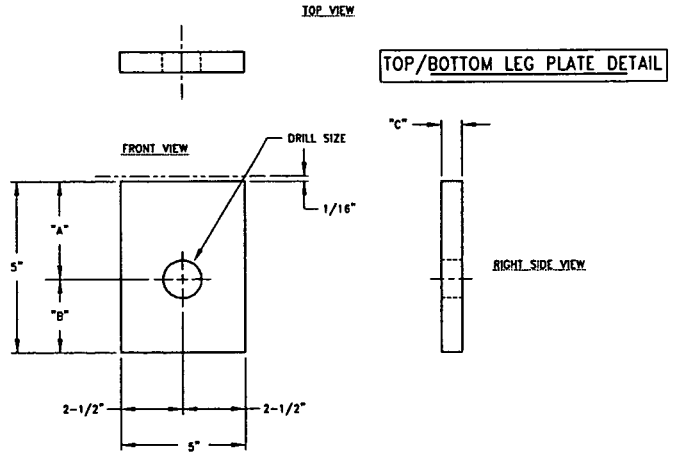








NOTE: EDGE OF TOWER LEG IS REPRESENTED BY PHANTOM LINE.



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

Complete Manufacturer Of Communication Towers

CENTRAL TOWER, INC.

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

REVISIONS	BY

TITLE: LEG WELD ASSEMBLY & SPACER DETAILS

SITE: AS REQUIRED		FOR: AS REQUIRED		PROJ. NO: AS REQ'D
DESIGNED BY: R.E.H.		DRAWN BY: A.J.H.		APP. BY:
DATE: 9-9-97		SCALE: NO		DRAWING NO: 3-BAY-D
DISK NO: STANDARD #1		NAME: 3BAY-D		

FLANGE DETAIL CHART

JOB NO. SS-632 TOWER HT. 180 BASE (FT.) 12

LOCATION Christian CO., KY.

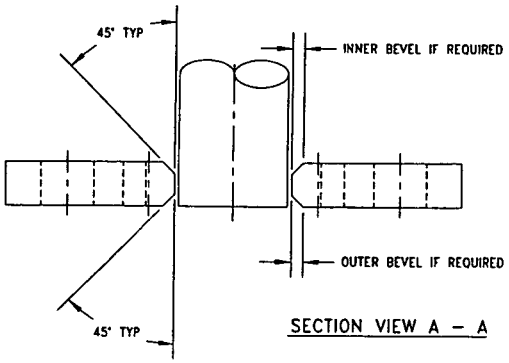
			FLANGE DETAILS							INNER FILLET	INNER BEVEL	OUTER FILLET	OUTER BEVEL	BOLT DETAILS			
SECTION	LOCATION	ELEV.	THICKNESS	CENT. DRILL	FLG. O.D.	BOLT CIRCLE	BOLT DRILL	NO. HOLES	FLG'S REQ'D	WELD	WELD/SIZE	WELD	WELD/SIZE	ELEV.	NO. BOLTS	BOLT SIZE	BOLT LGTH.
A	BOTTOM	0	1.250	4.625	12.00	9.50	1.375	8	3	0.5000	N/A	N/A	0.5000	0	8	1.250	69.00
A	TOP	20	1.250	4.625	12.00	9.50	1.250	8	3	0.5000	N/A	N/A	0.5000	20	8	1.125	4.25
B	BOTTOM	20	1.250	4.375	12.00	9.50	1.250	8	3	0.5000	N/A	N/A	0.5000	20			
B	TOP	40	1.000	4.375	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.5000	40	6	1.125	3.75
C	BOTTOM	40	1.000	4.375	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.5000	40			
C	TOP	60	1.000	4.375	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.5000	60	6	1.125	3.75
D	BOTTOM	60	1.000	4.125	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.5000	60			
D	TOP	80	1.000	4.125	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.5000	80	6	1.000	3.50
E	BOTTOM	80	1.000	3.875	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.5000	80			
E	TOP	100	1.000	3.875	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.5000	100	6	1.000	3.50
F	BOTTOM	100	1.000	3.625	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.5000	100			
F	TOP	120	1.000	3.625	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.5000	120	6	1.000	3.50
G	BOTTOM	120	1.000	2.875	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.5000	120			
G	TOP	140	1.000	2.875	7.50	5.50	0.875	4	3	0.3750	N/A	N/A	0.3750	140	4	0.750	3.25
H	BOTTOM	140	1.000	2.375	7.50	5.50	0.875	4	3	0.3750	N/A	N/A	0.3750	140			
H	TOP	160	0.750	2.375	7.50	5.50	0.875	4	3	0.3750	N/A	N/A	0.3750	160	4	0.750	2.75
I	BOTTOM	160	0.750	2.125	7.50	5.50	0.875	4	3	0.3750	N/A	N/A	0.3750	160			
I	TOP	180	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	180	N/A	N/A	N/A

GUSSET DETAIL CHART

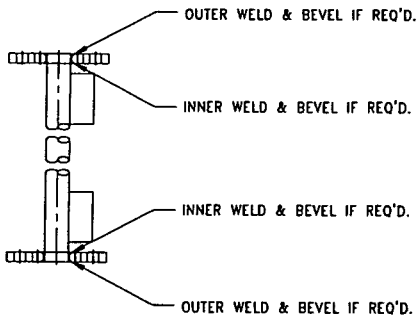
JOB NO. SS-632 TOWER HT. 180 FACE WIDTH (FT.) 13

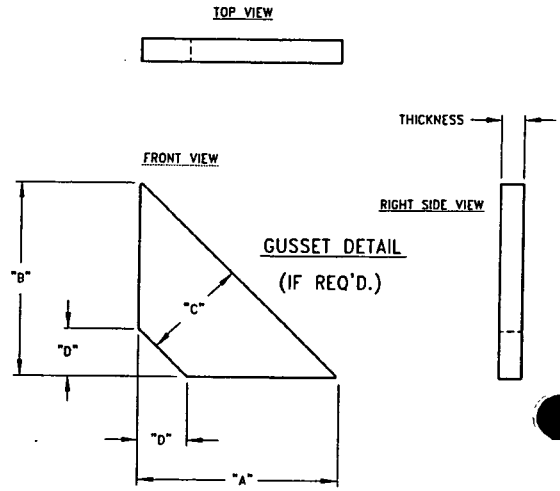
LOCATION Christian CO., KY.

SECTION	LOCATION	EL.	THICKNESS	"A"	"B"	"C"	"D"	TOTAL REQ'D	H/F/N	WELD	GUS / FLG (CLR)	GUS / BOLT (CLR)	ANGLE (BLT - GUS)
A	BOTTOM	0	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.21	23
A	TOP	20	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.75	0.33	23
B	BOTTOM	20	0.375	3.00	3.00	1.50	0.88	12.00	H	0.3125	0.88	0.33	23
B	TOP	40	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.38	0.43	30
C	BOTTOM	40	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.38	0.43	30
C	TOP	60	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.38	0.43	30
D	BOTTOM	60	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.50	0.43	30
D	TOP	80	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.50	0.53	30
E	BOTTOM	80	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.63	0.53	30
E	TOP	100	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.63	0.53	30
F	BOTTOM	100	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
F	TOP	120	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	0.75	0.53	30
G	BOTTOM	120	0.375	2.50	2.50	1.25	0.73	9.00	H	0.3125	1.13	0.53	30
G	TOP	140	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
H	BOTTOM	140	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
H	TOP	160	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
I	BOTTOM	160	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
I	TOP	180	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A



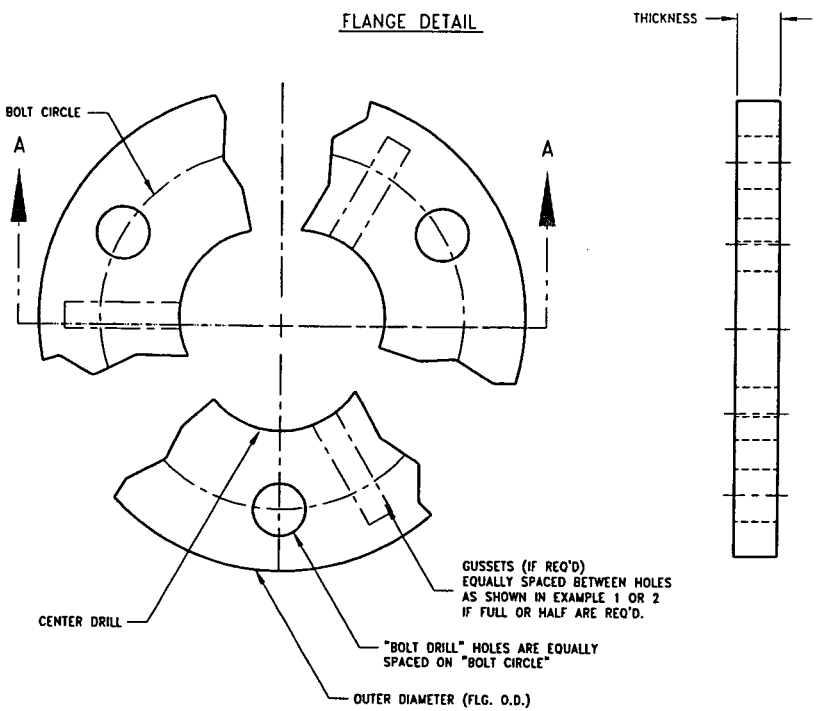
SECTION VIEW A – A

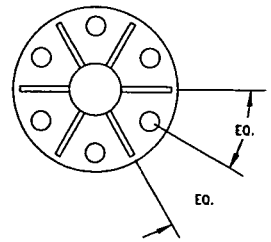




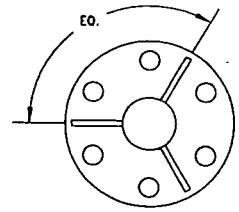
GUSSET DETAIL
(IF REQ'D.)

FLANGE DETAIL





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)-853-0595		
REVISIONS / BY	TITLE: FLANGE & GUSSET SIZING DETAILS		
	SITE: AS REQUIRED	FOR: AS REQUIRED	PROJ. NO: AS REQ'D
	DESIGNED BY: R.E.H.	DRAWN BY: A.J.H.	APP. BY:
	DATE: 5-24-99	SCALE: NO	DRAWING NO: FL-G-N
	DISK NO: STANDARD #1	NAME: FL-G-N	

DIAGONALS

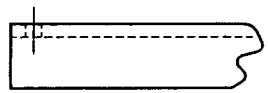
Job No. : **SS-632**

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

Diagonal Dimension Information

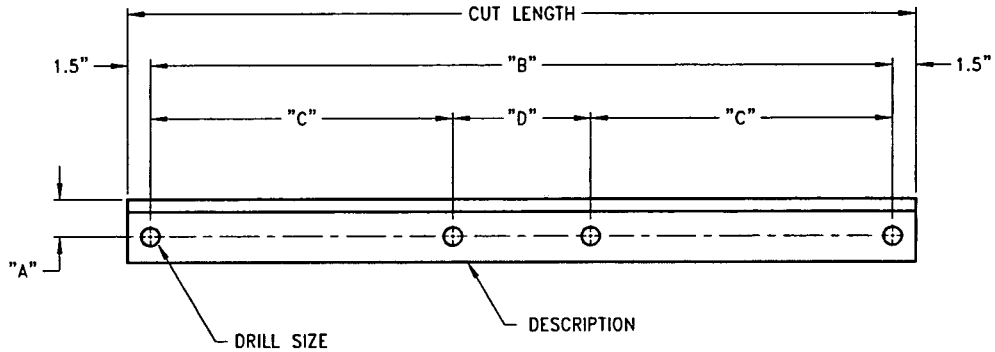
'LABEL Section	Location	# Bays	Description	"A"	"B"	"C"	"D"	Cut Length	# Req'd	Drill Size
A	1	3	2.5 x 2.5 x 0.25	1.38	159.92	78.65	2.62	162.92	6	0.8125
A	2	3	2.5 x 2.5 x 0.25	1.38	153.84	75.68	2.48	156.84	6	0.8125
A	3	3	2.5 x 2.5 x 0.25	1.38	150.91	74.13	2.66	153.91	6	0.8125
B	1	3	2.5 x 2.5 x 0.25	1.38	145.94	71.63	2.68	148.94	6	0.8125
B	2	3	2.5 x 2.5 x 0.25	1.38	139.83	68.64	2.54	142.83	6	0.8125
B	3	3	2.5 x 2.5 x 0.25	1.38	137.18	67.22	2.74	140.18	6	0.8125
C	1	3	2.5 x 2.5 x 0.1875	1.34	132.16	64.69	2.78	135.16	6	0.8125
C	2	3	2.5 x 2.5 x 0.1875	1.34	126.02	61.69	2.64	129.02	6	0.8125
C	3	3	2.5 x 2.5 x 0.1875	1.34	123.73	60.43	2.86	126.73	6	0.8125
D	1	3	2.5 x 2.5 x 0.1875	1.34	119.13	58.11	2.91	122.13	6	0.8125
D	2	3	2.5 x 2.5 x 0.1875	1.34	112.99	55.11	2.77	115.99	6	0.8125
D	3	3	2.5 x 2.5 x 0.1875	1.34	111.14	54.05	3.04	114.14	6	0.8125
E	1	3	2 x 2 x 0.25	1.13	106.65	51.76	3.13	109.65	6	0.8125
E	2	3	2 x 2 x 0.25	1.13	100.55	48.78	2.99	103.55	6	0.8125
E	3	3	2 x 2 x 0.25	1.13	99.29	47.98	3.34	102.29	6	0.8125
F	1	3	2 x 2 x 0.25	1.13	95.39	45.95	3.49	98.39	6	0.8125
F	2	3	2 x 2 x 0.25	1.13	89.42	43.02	3.37	92.42	6	0.8125
F	3	3	2 x 2 x 0.25	1.13	88.90	42.52	3.85	91.90	6	0.8125

PARTIAL TOP VIEW



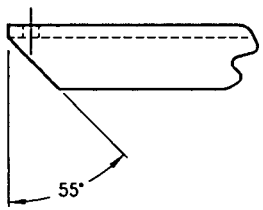
DIAGONAL DETAIL

FRONT VIEW



COPE DETAIL

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



Complete Manufacturer Of Communication Towers

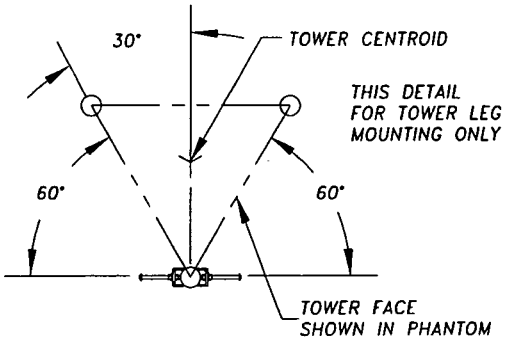
REVISIONS	BY

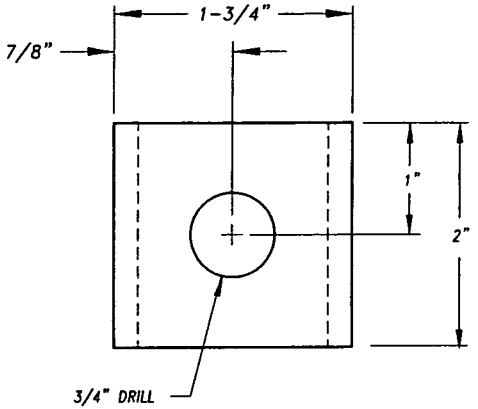
CENTRAL TOWER, INC.

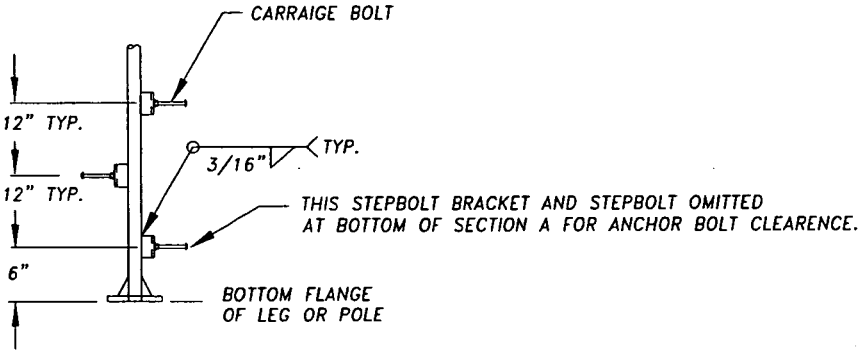
2855 HWY. 261 NEWBURGH, INDIANA 47630 (812)-853-0595

TITLE: DIAGONAL MEMBER DETAILS FOR SECTION

SITE:	AS REQUIRED	FOR:	AS REQUIRED	PROJ. NO:	AS REQ'D
DESIGNED BY:	R.E.H.	DRAWN BY:	R.E.H.	APP. BY:	
DATE:	11-03-97	SCALE:	NO	DRAWING NO:	INNER-D
DISK NO:	STANDARD #1	NAME:	INNER-D		

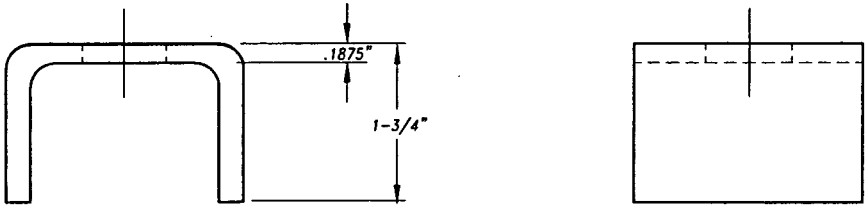




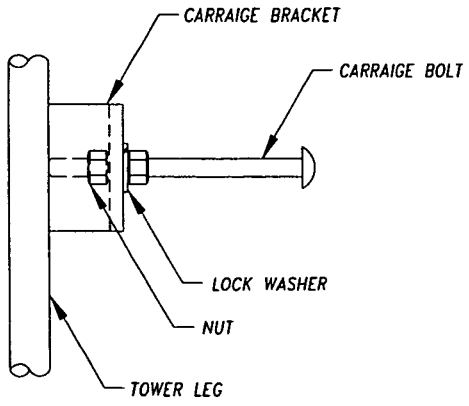


CARRAIGE BRACKET DETAIL

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



CARRAIGE BOLT ASSEMBLY



Complete Manufacturer Of Communication Towers

CENTRAL TOWER, INC.

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

REVISIONS	BY
CHANGED ORIENTATION 2-3-98	R.E.H.
Anchor Bolt CLR. Note 3-12-99	A.J.H.

TITLE: CARRIAGE BOLT ASSEMBLY (TOWER LEG)

SITE: AS REQ'D		FOR: AS REQ'D		PROJ. NO: AS REQ'D
DESIGNED BY: R.E.H.		DRAWN BY: R.E.H.		APP. BY:
DATE: 10-31-96	SCALE: NO			DRAWING NO: LA97M
DISK NO: L#1	NAME: LA97M			

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

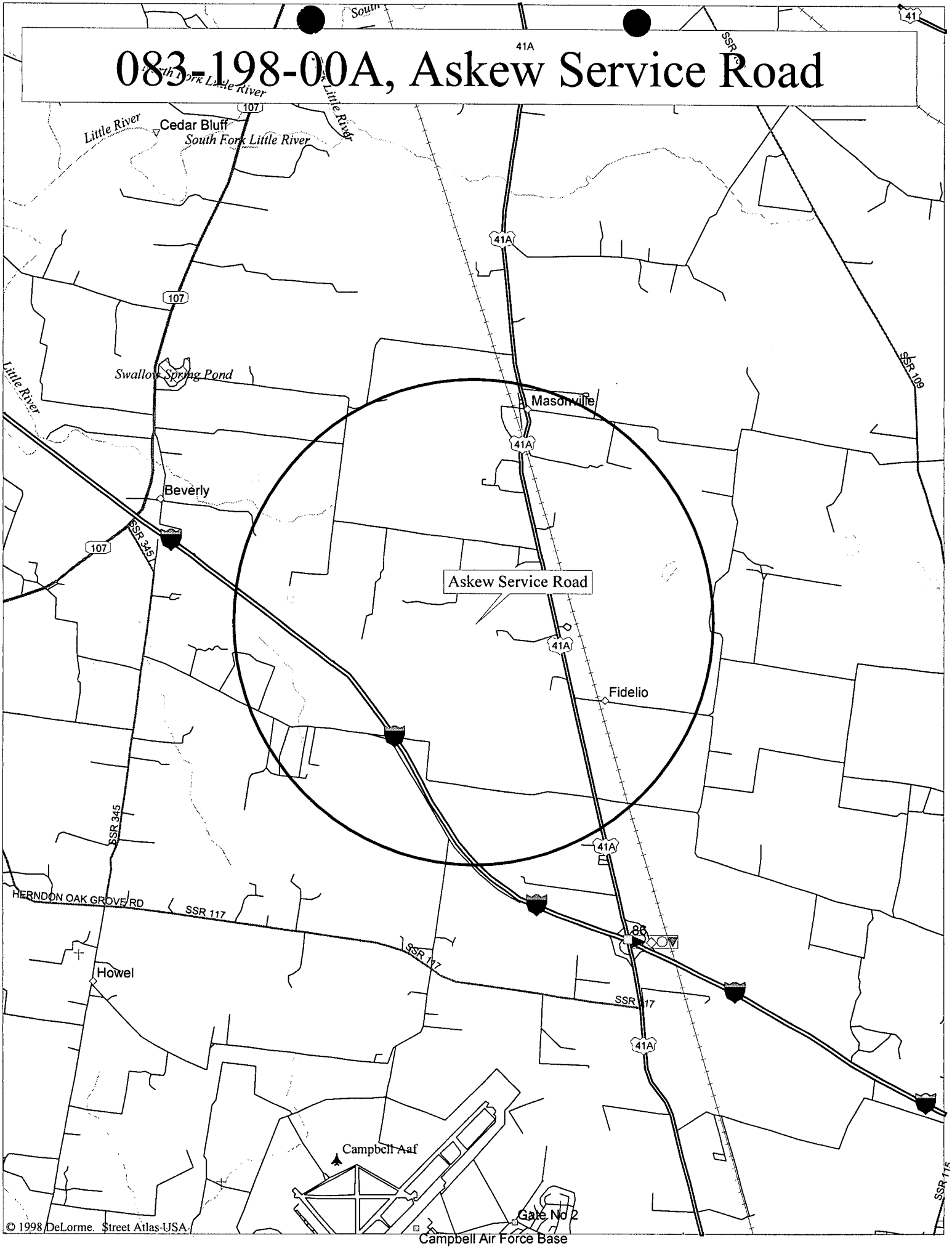
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST:

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

Askew Service Road/083-198-00A **Exhibit: E**
Collocation Certification Statement

Based upon the proposed 175-foot height of the telecommunications tower, the search area for other potential collocation opportunities would be two miles. Following a search assessment of a two-mile radius of the telecommunications site, no collocation opportunities were found to be available.

083-198-00A, Askew Service Road



Please Type or This Form — Failure to Provide All Requested Information May Result in Processing of Your Notice — Form Approved OMB No. 2120-0001

U.S. Department of Transportation
Federal Aviation Administration

Notice of Proposed Construction or Alteration

FOR FAA USA ONLY
Aeronautical Study Number

1. Sponsor *(person, company, etc. proposing this action)*:
Attn.of: Christine A. Verre/800521
Name: Crown Communication Inc.
Address: 375 Southpointe Boulevard
City: Canonsburg State: PA Zip: 15317
Telephone: (724) 416-2247 Fax: (724) 416-2254

2. Sponsor's Representative *(if other than #1)*:
Attn.of:
Name:
Address:
City: State: Zip:
Telephone: Fax:

3. Notice of: ☒ New Construction ☐ Alteration ☐ Existing
4. Duration: ☒ Permanent ☐ Temporary (____months,____days)
5. Work Schedule: Beginning 12/19/1999 End 01/19/2000
6. Type: ☒ Antenna Tower ☐ Crane ☐ Building ☐ Power Line
☐ Landfill ☐ Water Tank ☐ Other
7. Marking/Painting and/or Lighting Preferred:
☐ Red Lights and Paint ☐ Dual - Red and Medium Intensity White
☐ White - Medium Intensity ☐ Dual - Red and High Intensity White
☐ White - High Intensity ☒ Other OMISSION
8. FCC Antenna Structure Registration Number *(if applicable)*:

9. Latitude: 36 ° 44 ' 32.38 "
10. Longitude: 087 ° 28 ' 42.87 "
11. Datum: ☒ NAD 83 ☐ NAD 27 ☐ Other
12. Nearest: City: Oak Grove State: KY
13. Nearest *Public-use (not private-use)* or Military Airport or Heliport:
HOP: CAMPBELL AAF
14. Distance from #13. to Structure: 3.4853 nm
15. Direction from #13. to Structure: 9 degrees
16. Site Elevation *(AMSL)*: 568 ft.
17. Total Structure Height *(AGL)*: 181 ft.
18. Overall Height *(#16. + #17.) (AMSL)*: 749 ft.
19. Previous FAA Aeronautical Study Number *(if applicable)*:
– OE
20. Description of Location: *(Attach a USGS 7.5 minute Quadrangle Map with the precise site marked and any certified survey.)*
Please see attached U.S.G.S. Quad map.

21. Complete Description of Proposal:
Please use 800521/Askew Svce Rd when referencing this site.

Frequency/Power (KW)	
33-54Mhz	100Watts
72-73Mhz	100Watts
144-162Mhz	250Watts
220-222Mhz	100Watts
450-502Mhz	250Watts
800-960Mhz	500Watts
1,500Mhz	500Watts
1,900-2,000	500Watts
5,000-6,500	100Watts
10000-11000	100Watts
18,000Mhz	100Watts
21,000Mhz	100Watts
24,000Mhz	100Watts
38,000Mhz	100Watts
2-18Ghz	60dbm EIRP

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

I hereby certify that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to mark and/or light the structure in accordance with established marking & lighting standards as necessary.

Date	Typed or Printed Name and Title, of Person Filing Notice	Signature
11-19-1999	Christine A. Verre/Regulatory Administrator	Christine A. Verre

EXHIBIT G
APPLICATION TO KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

1. NATURE OF PROPOSAL

A. TYPE	B. CLASS	C. WORK SCHEDULE
☒ NEW CONSTRUCTION	☒ PERMANENT	BEGIN 12/19/1999
☐ ALTERATION	☐ TEMPORARY	END 01/19/2000

2. DESCRIPTION OF STRUCTURE

See attached.

Please use 800521/KY-Askew Service Road when referencing this site.

3A. APPLICANT – NAME, ADDRESS & TELEPHONE

Christine A. Verre, Regulatory Administrator
Crown Communications
375 Southpointe Blvd.
Canonsburg, PA 15317
724-416-2247/2258

B. REPRESENTATIVE OF APPLICANT – NAME, ADDRESS & TELEPHONE

4. LOCATION OF STRUCTURE

A. GEOGRAPHIC COORDINATES (NEAREST SECOND)	B. NEAREST KY CITY	C. NEAREST KY AIRPORT
	Oak Grove	HOP: Campbell AAF
LATITUDE	(1) DISTANCE TO 4B	(1) DISTANCE TO RUNWAY
36° 44' 32.38"		3.4853 NM
LONGITUDE	(2) DIRECTION TO 4B	(2) DIRECTION TO AIRPORT
87° 28' 42.87"		9 degrees

5. HEIGHT & ELEVATION

A. SITE ELEVATION (ABOVE MEAN SEA LEVEL)	568'
B. HEIGHT OF STRUCTURE, INCLUDING APPURTENANCES AND LIGHTS (ABOVE GROUND LEVEL)	181'
C. OVERALL HEIGHT (AMSL) (A+B)	749'

6. OBSTRUCTION MARKING & LIGHTING

	YES	NO
A. MARKED FOR THE PROTECTION OF AIR NAVIGATION (FLAGS, SPHERES, ETC.)	☐	☐
B. OBSTRUCTION MARKED IN ACCORDANCE WITH 602KAR 50:100 (FAA AC 70/7460-1J)	☒	☐
C. OBSTRUCTION LIGHTED IN ACCORDANCE WITH 602KAR 50:100 (FAA AC 70/7460-1J)	☒	☐

7. HAS "NOTICE OF CONSTRUCTION OR ALTERATION" (FORM 7460-1) BEEN FILED WITH THE FEDERAL AVIATION ADMINISTRATION? ☐ YES ☐ NO **IF SO WHEN?** 11/19/99

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 C Allen Verre DATE 11/18/99

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 183.990(3). NON-COMPLIANCE WITH FEDERAL AVIATION ADMINISTRATION REGULATIONS MAY RESULT IN FURTHER PENALTIES

COMMISSION ACTION	
APPROVED ____	___CHAIRMAN, KAZC (OR) ___ADMINISTRATOR, KAZC
DISAPPROVED ____	_____ DATE_____

EXHIBIT H
GEOTECHNICAL REPORT

ATC ASSOCIATES INC.

GEOTECHNICAL ENGINEERING STUDY
CROWN COMMUNICATIONS
PROPOSED 083-198-00A WALLACE TOWER
ASKEW SERVICE ROAD
HOPKINSVILLE, KENTUCKY
ATC Project No. 13000.9119

Prepared For:

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

Attention: Mr. Russ McKenzie

October 19, 1999

ATC ASSOCIATES INC.

2815 Watterson Trail
Louisville, Kentucky 40299
502.267.8355
Fax 502.267.8528

October 19, 1999

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

Attention: Mr. Russ McKenzie

Re: Geotechnical Engineering Study
Proposed 083-198-00A Wallace Tower
Askew Service Road
Hopkinsville, Kentucky
ATC Project No. 13800.9119

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.

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

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

Copies submitted: (4) Mr. Russ McKenzie

TABLE OF CONTENTS

GEOTECHNICAL ENGINEERING INVESTIGATION

Proposed Communications Transmission Tower
Proposed 083-198-00A Wallace Tower
Askew Service Road
Hopkinsville, Kentucky
ATC Project No. 13000.9119

1. PURPOSE AND SCOPE

The purpose of this study was to determine the general subsurface conditions at the location of the proposed tower by drilling one soil test boring and to evaluate this data with respect to foundation concept and design for the proposed self-supporting tower. Also included is an evaluation of the site with respect to potential construction problems and recommendations dealing with quality control during construction.

2. PROJECT CHARACTERISTICS

Crown Communications is planning to construct a communications tower on a property located at 596 Askew Service Road in Hopkinsville, Kentucky. The proposed tower location is shown on the Boring Location Plan in the Appendix. At the time of our field exploration the site was in an open field on a ridge line that sloped downward to the north, south and west.

We assume that the tower will be supported on three legs situated in a triangular pattern and that the legs of the tower will be supported on three drilled piers or on a common mat foundation bearing at a suitable depth below the existing ground surface. No foundation design loads have been provided for the proposed 175 foot self-supporting tower. We assume that the maximum downward load on the tower will not exceed about 300 kips/leg and that the maximum uplift and

lateral forces will be no greater than about 200 kips/leg and 25 kips/leg, respectively. The development will also include a small equipment building near the base of the tower.

3. SUBSURFACE CONDITIONS

The subsurface conditions were explored by drilling one test boring at the proposed tower location, the center of which was staked in the field by the client. The Geotechnical Soil Test Boring Log, which is included in the Appendix, describes the materials and conditions encountered. Sheets defining the terms and symbols used on the boring log and explaining the Standard Penetration Test (SPT) procedure can also be found in the Appendix. The general subsurface conditions disclosed by the test boring are discussed in the following paragraphs.

About 18 inches of topsoil was encountered at the ground surface. The boring then encountered apparently natural clay (CH) of relatively high plasticity to the scheduled depth of 40 feet below the ground surface. The SPT N-values in the clayey soil generally increased with depth and ranged from 15 to 44 blows per foot indicating a stiff to hard consistency. Pocket penetrometer values used to estimate the unconfined compressive strength of cohesive soil ranged from approximately 2.5 to 6.0 tons per square foot.

Groundwater observations made at the completion of drilling operations indicated the boring to be dry. It must be noted, however, that short term water readings in clayey soils are not necessarily a reliable indication of the actual groundwater level. Furthermore, it must be emphasized that the groundwater level is generally not stationary, but will fluctuate seasonally.

According to the Seismic Zone Map of the United States, Hopkinsville, 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 piers or on a common mat foundation.

4.1.1. Drilled Pier

Drilled piers that bear in the clay encountered in the test boring below a depth of 9 feet can be designed for a net allowable end bearing pressure of 6,000 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 35 feet, a deeper boring should be drilled to determine the nature of the deeper material.

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	1,000	0	120	650 + 40D	0
5 - 20	1,500	0	125	1,200 + 40(D-5)	325
20 - 35	2,000	0	130	2,150 + 40(D-20)	450

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 piers 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 the stiff to very stiff clay. A net allowable bearing pressure of up to 4,000 pounds per square foot may be used. This value 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 deign 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 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 bases of the drilled pier excavations 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 excavations 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 bases of pier excavations, the pier excavations 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 and the casing removed 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 described 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, 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 scheduled depth of 40 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 and moisture content 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.

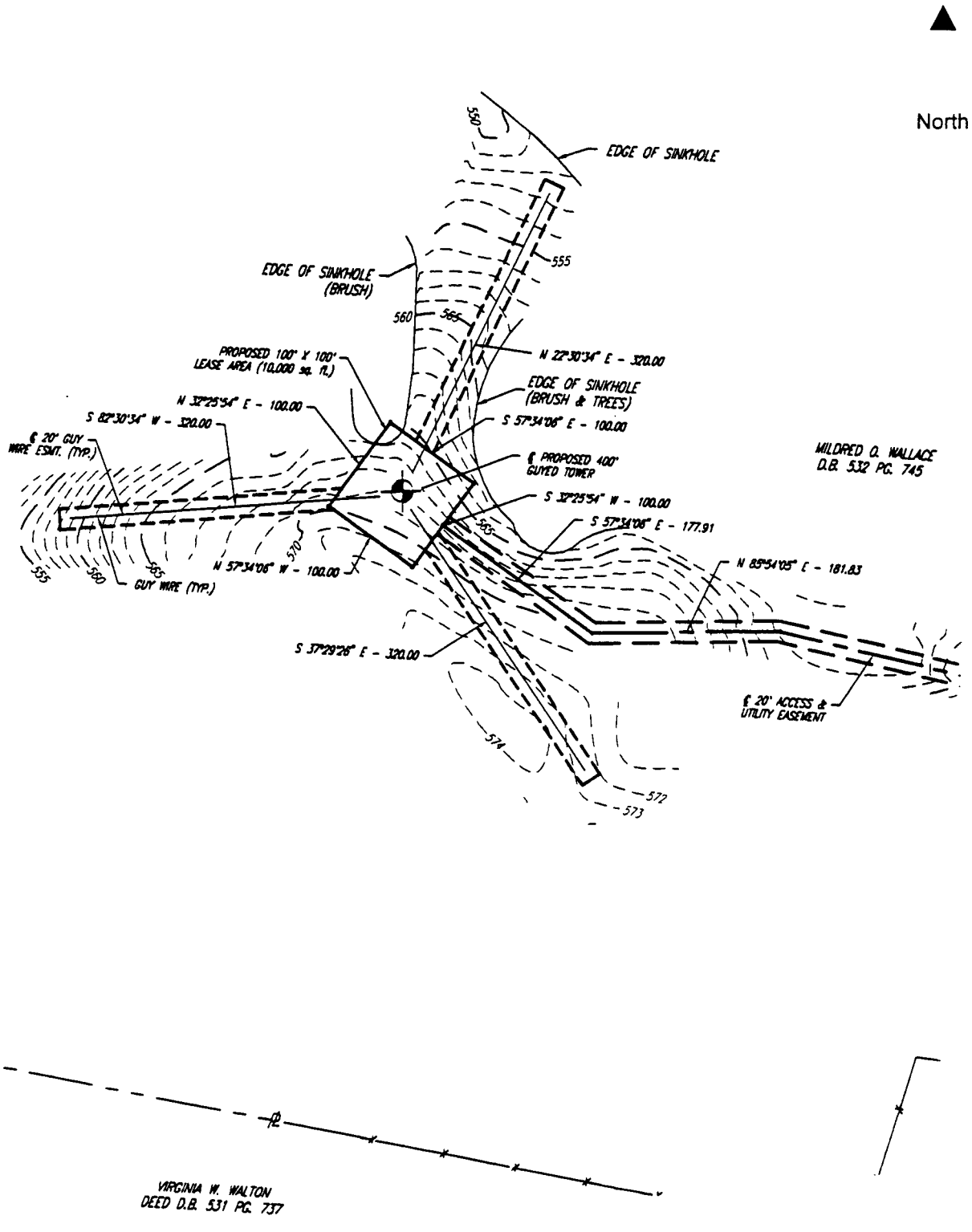
The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or a representative is therefore considered necessary to verify the subsurface conditions and to check that 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



BORING LOCATION PLAN	PROJECT NUMBER 13000.9119	VATC
Crown Communications Inc Proposed 083-198-00A Wallace Tower Hopkinsville, Kentucky	SCALE Unknown	

ATC Associates Inc.
2815 Watterson Trail
Louisville, Kentucky 40299

GEOTECHNICAL BORING LOG

CLIENT: Crown Communications
PROJECT: Proposed 083-198-00A Wallace Tower
LOCATION: 596 Askew Service Road, Hopkinsville, KY

BORING NUMBER: B-1
PROJECT NUMBER: 13000.9119
PROJECT MANAGER: Beth Stuber

Surface Elevation:
Date Started: 10/14/99
Date Completed: 10/14/99

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 NO	BLOWS	TYPE	REC	w,%	PP,tsf	NOTES
	CLAY (CH) - stiff, reddish brown			1	7-7-8	SPT	100	21.0	2.7	About 18 inches ot topsoil were encountered at the existing ground surface.
	- very stiff			2	9-8-9	SPT	100		2.8	
				3	11-10-8	SPT	100	20.8	5.4	
			5	4	12-11-9	SPT	100		4.0	
				5	10-11-10	SPT	100	25.1	3.5	
			10							
				6	12-10-10	SPT	100		3.8	
			15							
	- trace limestone fragments			7	13-14-11	SPT	100	40.5	4.0	
			20							
				8	12-13-10	SPT	100		6.0	
			25							
				9	14-17-15	SPT	100	42.3	4.5	
			30							
				10	16-13-14	SPT	100		2.5	
			35							

GEOTECHNICAL 13000119.GPJ 10/20/99

Continued on the next page

ATC Associates Inc.
2815 Watterson Trail
Louisville, Kentucky 40299

GEOTECHNICAL BORING LOG

CLIENT: Crown Communications
PROJECT: Proposed 083-198-00A Wallace Tower
LOCATION: 596 Askew Service Road, Hopkinsville, KY

BORING NUMBER: B-1
PROJECT NUMBER: 13000.9119
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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 NO	BLOWS	TYPE	REC	w,%	PP,tsf	NOTES
	CLAY (CH) - very stiff, reddish brown									
				11	18-19-23	SPT	100	39.1	--	
		40.0	40							
	TERMINATED									The borehole was dry at completion of drilling operations.
			45							
			50							
			55							
			60							
			65							
			70							

GEOTECHNICAL 13000119.GPJ 10/20/99

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	Percent
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	
Degree of Plasticity	Plasticity Index
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.

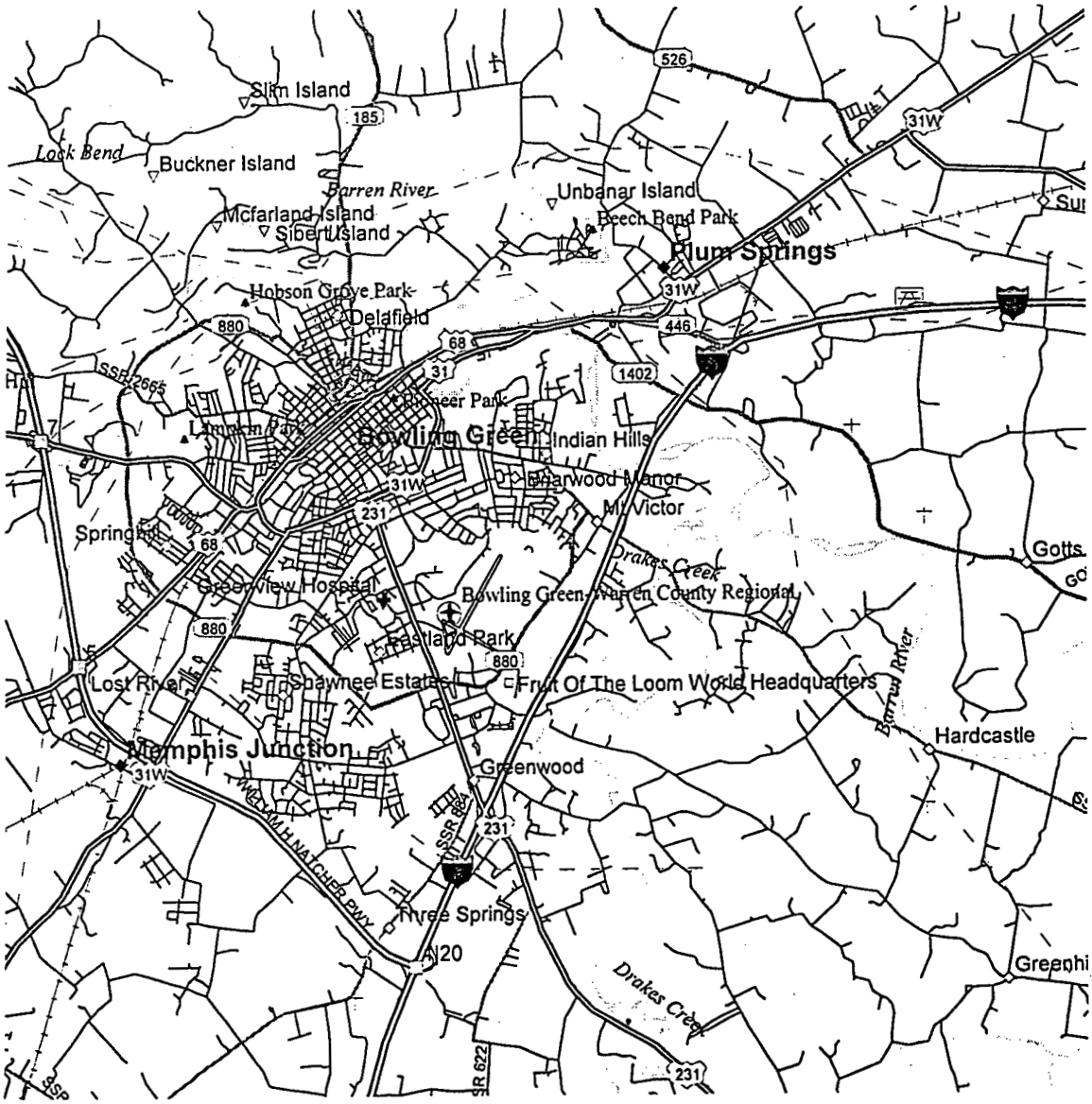
Ground Water observations were made at the times indicated. Porosity of soil strata, weather conditions, site topography, etc. may cause changes in the water levels indicated on the logs.

VATC

Site Name: I-65 off Three Spring Road

Site Number: 052-078-00A

CANDIDATE LOCATION MAP



Directions: From Bowling Green take 12th Ave. and follow onto Broadway Ave. and then follow onto Scottsville Rd., (U.S. 231), toward I-65, and Exit 22. Approximately 0.1 mile from the interchange is the Three Springs Road, Alvaton Rd., and Scottsville Rd stoplight intersection. Three Springs Road is to the right. Follow Three Springs Road to the Three Springs Road Baptist Church. The site is behind the church.

Prepared by: Russ McKenzie 1-502-262-1306

EXHIBIT I
DIRECTIONS TO WCF SITE

EXHIBIT J
COPY OF REAL ESTATE AGREEMENT

Instrument Prepared By:
e Paradise
420 Donelson Pk, Ste A18
Nashville, TN 37217

Site Name: Askew Service Rd

Site ID: 083-198-000

Indexing Instructions:

Memorandum of Lease Agreement

This memorandum evidences that a lease was and hereby is made and entered into by written Lease Agreement dated 4/13, 1999, between Mildred O. Wallace ("Owner") and Tritel Communications, Inc., a Delaware corporation ("Tritel").

Such Agreement provides in part that Owner leases to Tritel and Owner does hereby lease to Tritel a certain site ("Site") located at Askew Service Road,City of Hopkinsville, County of Christian, State of Kentucky, within the property of Owner which is described in **Exhibit A** attached hereto (or such Site which itself and the easements thereto are more particularly described in **Exhibit "A"**), with grant of and Owner hereby grants a non-exclusive easement for unrestricted rights of access thereto and to electric and telephone facilities for a term of five (5) years commencing on _____, 19_____, which term is subject to four (4) additional five (5) year extension periods by Tritel.

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

"Tritel"

Tritel Communications, Inc., a Delaware corporation

By: _____ 4/13/99

Name: Jerry M. Sullivan, Jr.

Title: Exec. VP / COO

Address: 1410 Livingston Lane
Jackson, MS 39213-8003

Phone Number: 601-362-2200

"OWNER"

Mildred O. Wallace

By: Mildred Wallace

Name: Mildred O. Wallace

Title: Owner

Address: 2591 Stone Briar Drive
Clarksville, TN 37043

Phone Number: 931-358-5534

CONTINUATION OF OWNER'S SIGNATURES:

"OWNER":

By: _____

Its: _____

By: _____

Its: _____

By: _____

Its: _____

NOTARY BLOCK FOR LANDLORD IF INDIVIDUAL

STATE OF TENNESSEE
COUNTY OF Montgomery

Personally appeared before me, Craig Hagrin, a Notary Public in and for said State and County, Mildred O. Wallace, the within named bargainor(s), with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged that she executed the foregoing instrument for the purposes therein contained.

WITNESS my hand and seal at office, on this 15th day of March, 1999

Craig Hagrin
Notary Public

My Commission Expires:
9/17/2001

STATE OF TENNESSEE
COUNTY OF _____

Personally appeared before me, _____, a Notary Public in and for said State and County, _____, the within named bargainor(s), with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged that he executed the foregoing instrument for the purposes therein contained.

WITNESS my hand and seal at office, on this ____ day of _____, 19__.

_____
Notary Public

My Commission Expires:
_____

NOTARY BLOCK FOR LANDLORD IF CORPORATION

STATE OF TENNESSEE
COUNTY OF _____

Before me, _____, a Notary Public in and for the State and County aforesaid, personally appeared _____, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged himself (or herself) to be the _____ of _____, the within named bargainor, a corporation, and that he as such _____, being duly authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by ____self as such _____.

WITNESS my hand and seal at office, on this the ____ day of _____, 19__.

_____
Notary Public

My Commission Expires:
_____

NOTARY BLOCK FOR LANDLORD IF LLC

STATE OF TENNESSEE
COUNTY OF _____

Before me, _____, a Notary Public in and for said State and County aforesaid, duly commissioned and qualified, personally appeared _____, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged ____self to be the _____ of _____, **LLC**, the within-named bargainor, a Tennessee Limited Liability Company, and that he, as such _____, being duly authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the Limited Liability Company by ____self as such _____.

WITNESS my hand and seal at office on this the _____ day of _____, 19__.

_____
Notary Public

My Commission Expires:
_____

NOTARY BLOCK FOR TRITEL

STATE OF ~~TENNESSEE~~ MS
COUNTY OF Hinds

Before me, Jacqueline Martin Ware a Notary Public in and for said County and State, personally appeared Jerry M. Sullivan, Jr., with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged himself to be the Exec VP & COO of **TRITEL COMMUNICATIONS, INC.**, the within named bargainor, a corporation, and that he as such _____ executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by ____self as such _____.

WITNESS my hand and seal at office, on this 13 day of April, 1999.

Jacqueline Martin Ware
Notary Public

My Commission Expires:
MISSISSIPPI STATEWIDE NOTARY PUBLIC
MY COMMISSION EXPIRES JAN. 20, 2003

JACQUELINE MARTIN WARE NOTARY PUBLIC HINDS COUNTY, MISSISSIPPI

EXHIBIT "A"

Property

1. The street address of the Property is:

   Askew Service Road, Hopkinsville, KY 42240

2. The Assessor's Parcel Number is:

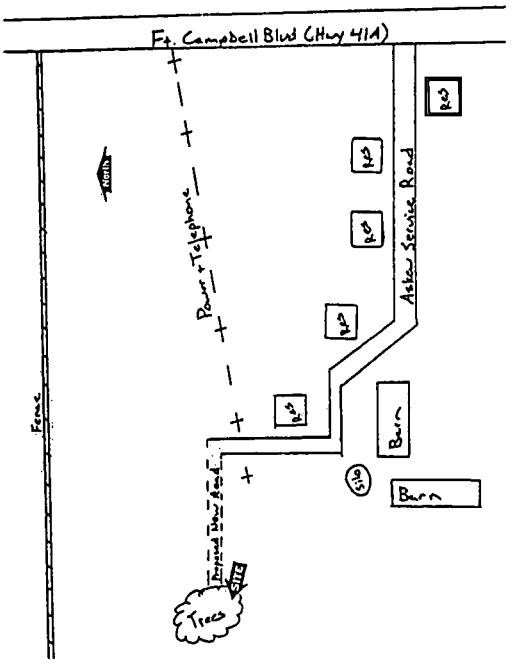
   Map: 125 Parcel: 14

3. The Property is legally described as:

   Recorded in Book: 532 Page: 745 in the office of the County Clerk, Christian County, Kentucky.

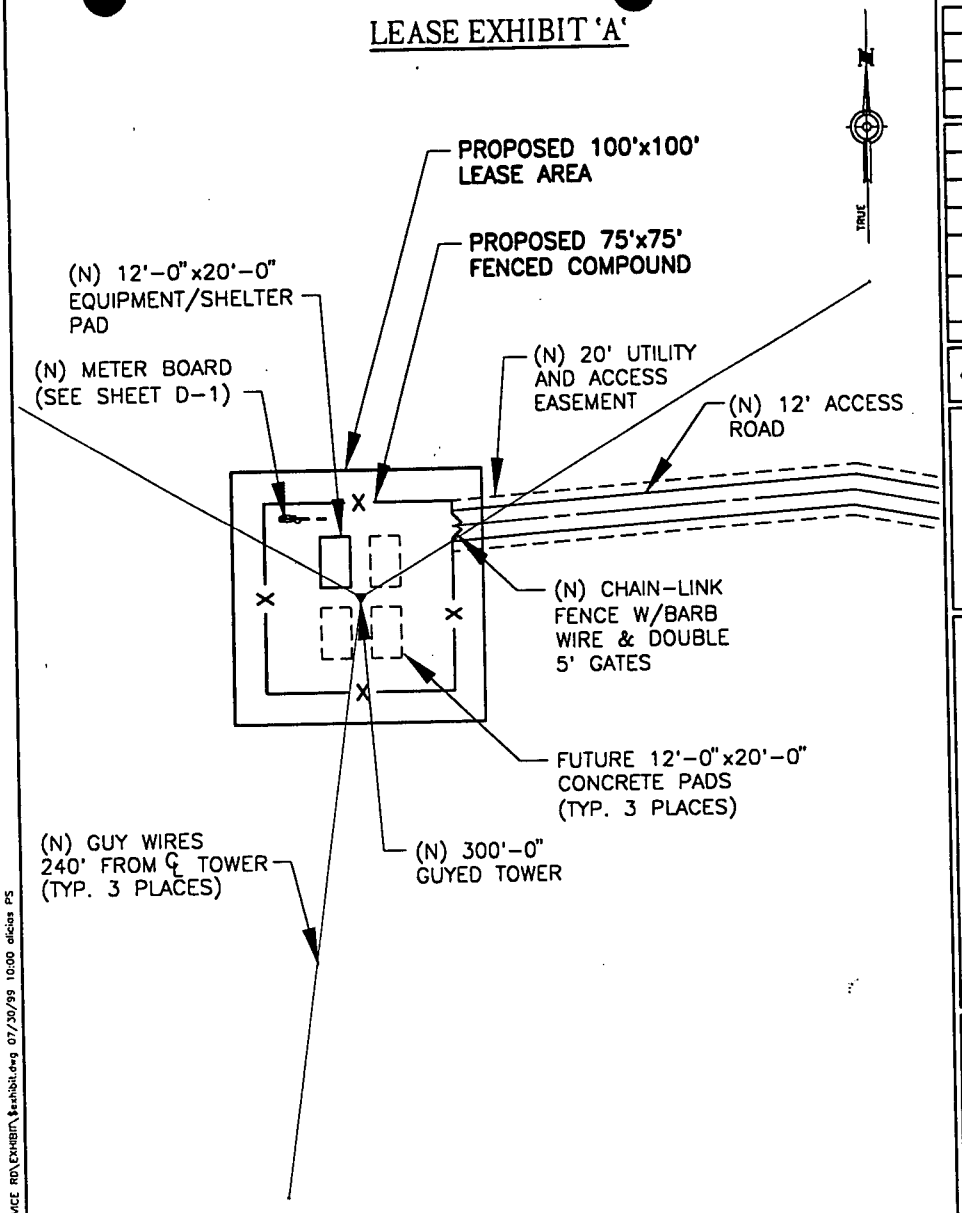
4. The Premises is described as follows:

   An area 100 feet by 100 feet, along with all easements and access rights as required by the Lessee to fully utilize the leased parcel for the purposes as described in the lease. Approximate area is indicated in the sketch below:



INITIALS

LEASE EXHIBIT 'A'



KY-083-198-00A
ASKEW SERVICE ROAD
KY-083-198-00A
ASKEW SERVICE ROAD
PREPARED BY:
AS
CHECKED BY:
TA / HM
DRAWING DATE: 07/23/99
JOB NUMBER
SCALE: NTS

GEE ENGINEERING COMPANY

APPROVED FOR CONSTRUCTION

Civil Director _____ Network Director _____ Land Owner _____

CROWN® COMMUNICATIONS

CONSULTING • TOWER ERECTION • SITE DEVELOPMENT
SITE MANAGEMENT • TURN-KEY ENGINEERING

FILE NAME: ASKEW SERVICE ROAD

DRAWING NAME: KY-083-198-00A

DRAWING: 1 OF 1

REVISION: .

File Info: R:\lead\Crown-Kentucky\Guy-Tower\ASKEW SERVICE RD\EXHIBIT\exhibit.dwg 07/30/99 10:00 dicion PS

EXHIBIT K
NOTIFICATION LISTING

CERTIFICATION OF NOTIFICATION - EXHIBIT K
PSC Case # 99-463 Crown Ref.: 083-198 Askew Service Road

1)
Steve Tribble
Christian County Judge Executive
Webber street
Hopkinsville Ky 42240

2)
Mildred D. Wallace
2591 Stone Briar Drive
Clarkesville, TN 37043

EXHIBIT L
COPY OF PROPERTY OWNER NOTIFICATION

CROWN CASTLE INTERNATIONAL

Crown Castle USA Inc.
Kentucky Region
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299

Tel 502 240.0044
Fax 502 240.0045
www.crowncastle.com

November 30, 1999

Mildred D. Wallace
2591 Stone Briar Drive
Clarkesville, TN 37043

RE: Public Notice – Public Service Commission of Kentucky
Case No.: 99-463
Our Site No.: 083-198 Called Askew Service Road

Dear Mildred:

Crown Communication Inc., Tritel Communications, Inc, and Tritel Finance, Inc. have applied to the Public Service Commission of Kentucky ("PSC") for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 175-foot tower with appurtenances attached to a maximum height of 181 feet, and a ground level equipment shelter to be located at 800 Askew Service Road, Hopkinsville, KY 42240. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. This notice is being sent to you because you own property within a 500' radius of the proposed tower.

The PSC invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the PSC must be received by the PSC within 20 days of the date of 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.: 99-463 in your correspondence.

Feel free to contact James Parkison, Project Manager at (502) 240-0044 ext. 15, if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

Lloyd McCarthy
For Crown Communication Inc.

EXHIBIT M
COPY OF JUDGE EXECUTIVE NOTICE

CROWN CASTLE INTERNATIONAL

Crown Castle USA Inc.
Kentucky Region
11001 Bluegrass Parkway, Suite 330
Louisville, KY 40299

Tel 502 240.0044
Fax 502 240.0045
www.crowncastle.com

November 30, 1999

Honorable Steve Tribble
Christian County Judge Executive
Webber street
Hopkinsville KY 42240

RE: Public Notice – Public Service Commission of Kentucky
Case No.: 99-463
Our Site No.: 083-198 Called Askew Service Road

Hon. Judge Tribble:

Crown Communication Inc., Tritel Communications, Inc, and Tritel Finance, Inc. have applied to the Public Service Commission of Kentucky ("PSC") for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide wireless telecommunication services. The facility will include a 175-foot tower with appurtenances attached to a maximum height of 181 feet, and a ground level equipment shelter to be located at 800 Askew Service Road, Hopkinsville, KY 42240. A temporary tower of shorter stature might be erected at said location while awaiting final PSC approval and the approved tower is operational. This notice is being sent to you because you are the Judge Executive of Christian County.

The PSC invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the PSC must be received by the PSC within 20 days of the date of 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.: 99-463 in your correspondence.

Feel free contact James Parkison, Project Manager at (502) 240-0044 ext. 15, if you have any questions.

Sincerely,
CROWN COMMUNICATION INC.

Lloyd McCarthy
For Crown Communication Inc.

EXHIBIT N
COPY OF POSTING NOTICES

Copies of Posting Notices – FORM 3

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 # 99-463 in your correspondence.

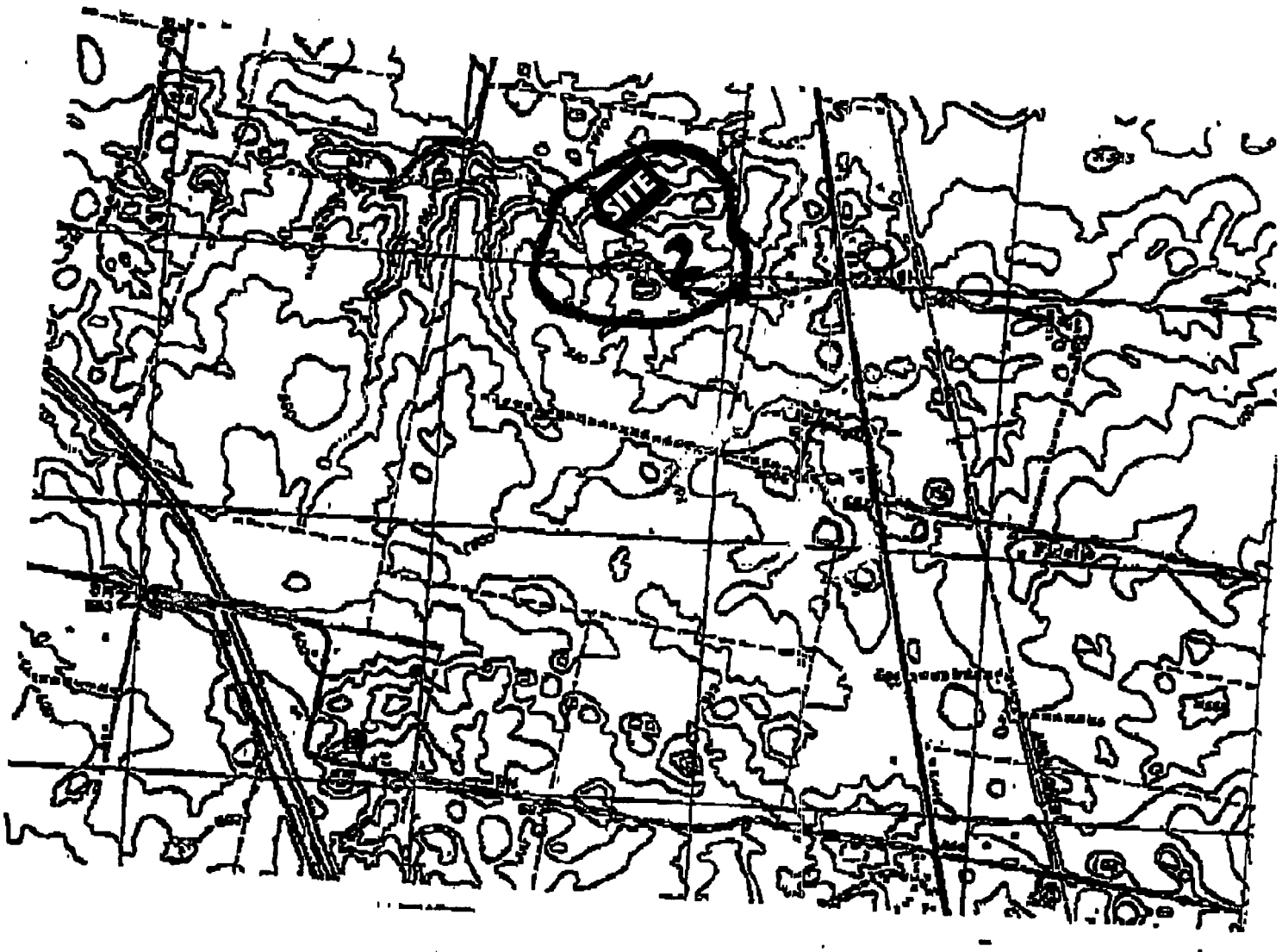
Crown Communication, Inc., proposes to construct a

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 # 99-463 in your correspondence.

EXHIBIT O
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

SAM search Area Map



Name	Askew Service Rd.
Site Number	038-188-000
Latitude	36-43-58
Longitude	87-28-17
Ground Elevation (ft)	650
Radiation Center (AGL ft)	960
City, State	Oak Grove, KY

County	Christian
7 1/2 Minute Quadrangle	Oak Grove
Issue Date	10/25/89
Elev Contour Int(ft)	10
NAD 83 / NAD 27	NAD 83
Search Ring Radius (mi)	0.5
No of Sectors/No of Antennas	1

Coverage Objectives

Hwy 41A and surrounding area, Search Area 2

Please look in Search Area 1 if nothing found please look in

Preferred Candidates:

Name	Address	RF Preference
		T.B.D.

Issued by (RF):

Robert Lopez

EXHIBIT P
TOWER MAP FOR SUBJECT COUNTY

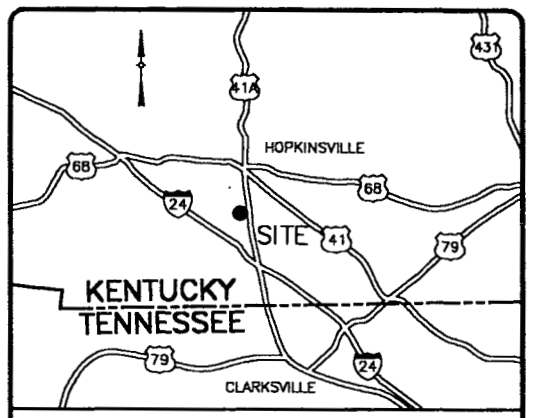
CROWN COMMUNICATION, INC.

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

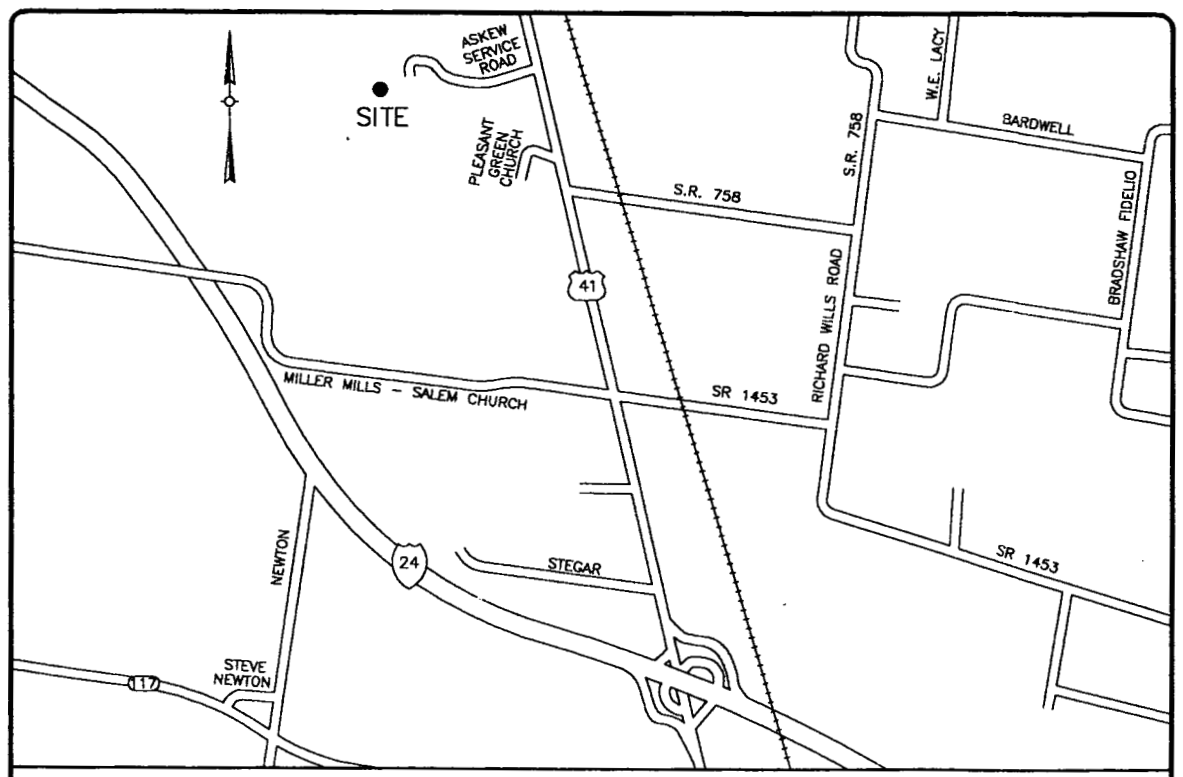
ASKEW SERVICE ROAD
083-198-00A

800 ASKEW SERVICE ROAD
HOPKINSVILLE, KY. 42240

PROPOSED 175' SELF SUPPORT TOWER
WITH MULTIPLE CARRIERS



REGION MAP SCALE: NONE



VICINITY MAP SCALE: NONE

ARCHITECTURAL DESIGN ENGINEER

BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

SURVEYING

T. Alan Neal Company

Civil Engineering & Land Surveying
428 Warnock Street
Louisville, KY 40217
(502) 635-5866 FAX: 636-5263

FROM HOPKINSVILLE GO SOUTH 8 MILES ON HWY 41A (ALTERNATE) FROM THE PENNYRILE INTERCHANGE. ASKEW SERVICE ROAD IS APPROXIMATELY 1.5 MILES BEYOND THE TRAIN TRESSLE THAT YOU WILL GO UNDER. ASKEW SERVICE ROAD IS ON THE RIGHT. GO TO END OF THE ROAD. THE SITE IS IN THE CORNFIELD, APPROXIMATELY 900' BEYOND THE PAVED ROAD.

DIRECTIONS TO SITE

SITE NAME
ASKEW SERVICE ROAD

SITE NUMBER
083-198-00A

SITE ADDRESS
800 ASKEW SERVICE ROAD
HOPKINSVILLE, KENTUCKY 42240

SITE OWNER
MILDRED O. WALLACE
2591 STONE BRIAR DRIVE
CLARKSVILLE, TN. 37043

APPLICANT
CROWN COMMUNICATION, INC.
COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PARKWAY
LOUISVILLE, KENTUCKY 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045

ZONING
NA

TAX MAP NUMBER
125

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

PARCEL NUMBER
14

SOURCE OF TITLE
DEED BOOK 532, PAGE 745

PROJECT INFORMATION

SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET & SITE INFO
SURVEY	
C-1	500' RADIUS/ABUTTERS
C-2	SITE SURVEY PLAN
ARCHITECTURAL	
Z-3	SITE LAYOUT
Z-4	NORTH & SOUTH ELEVATION
Z-5	EAST & WEST ELEVATION

SHEET INDEX

R.F. _____
IMPLEMENTATION _____
LEASE AGENT _____
ZONING AGENT _____
LAND OWNER _____

SIGNATURE BOX

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: D.B. 532, PG. 745

LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: TITLE SHEET, SITE INFO AND SHEET INDEX

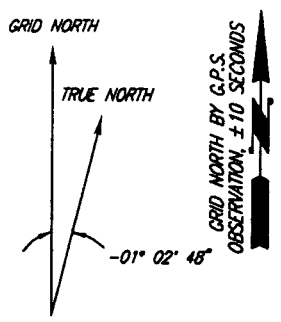
SHEET: T-1

SHEET 1

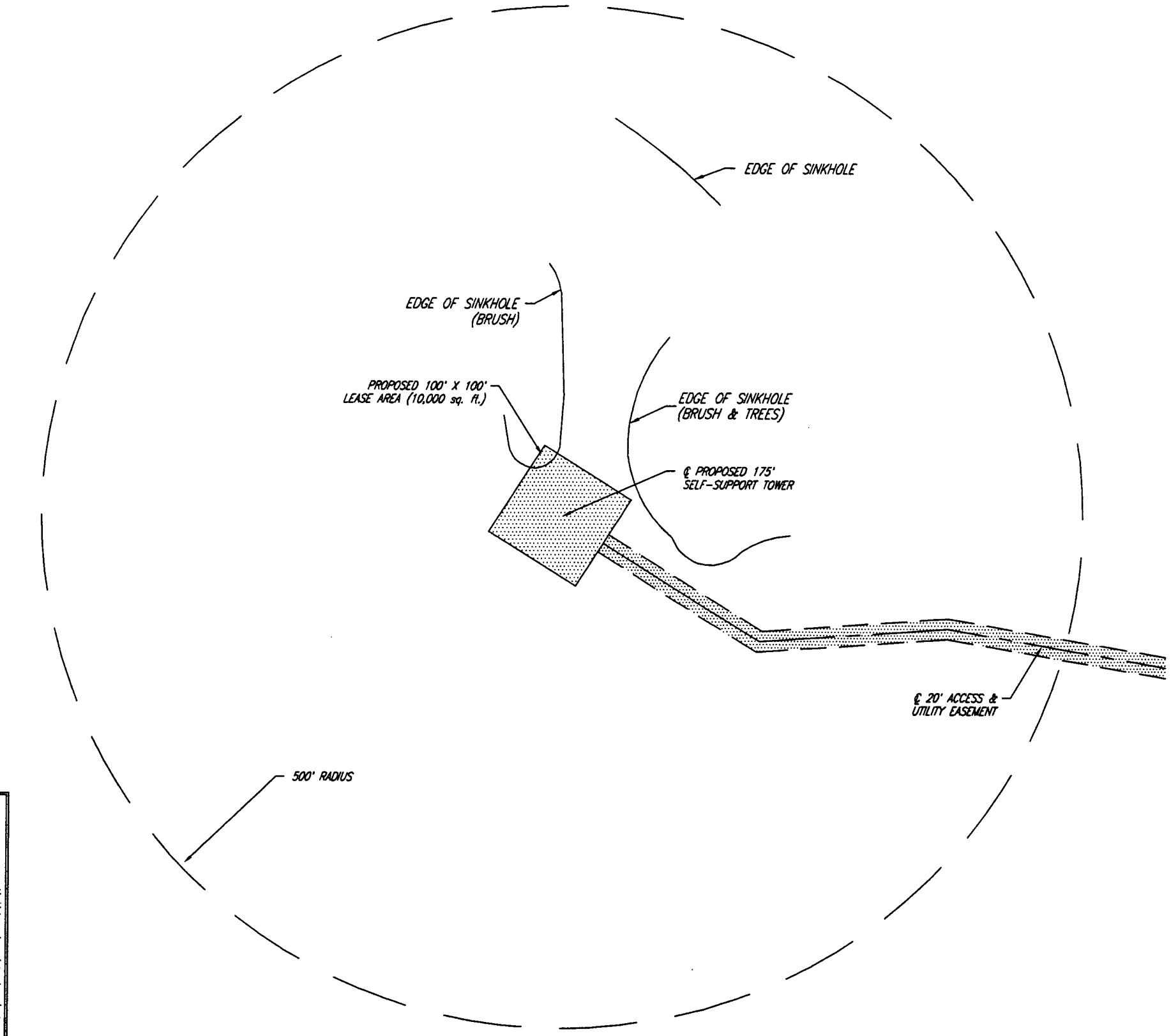
- S1/1 – VICINITY AND 500' STRUCTURAL MAP
- S1/2 – ABUTTING PROPERTY OWNERS
- S1/3 – U.S.G.S. QUAD MAP

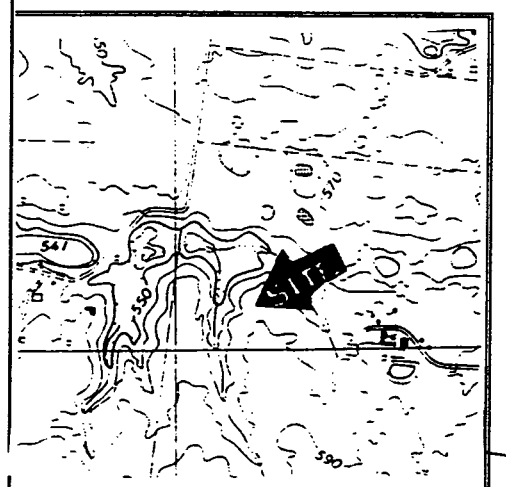
SHEET 2

- S2/1 – LEASE AREA
- S2/2 – LEGAL DESCRIPTIONS
- S2/3 – FLOOD ZONE DATA



NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON SEPTEMBER 25, 1999.





S1/3 QUAD MAP
SCALE: 1"=2000'

U.S.G.S. 7 1/2 MINUTE QUAD MAP OF OAK GROVE, KY.

S1/2

Ⓐ MAP 125, LOT 14
WALLACE, MILDRED O.
2591 STONE BRIAR DRIVE
CLARKSVILLE, TN 37043
DEED BOOK 532, PAGE 745

CROWN COMMUNICATION INC
COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PARKWAY
SUITE 330
LOUISVILLE, KY. 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045

T. Alan Neal Company
tan
(502) 635-5866
FAX: 636-5263
Civil Engineering
428 Warnock Street
Land Surveying
Louisville, Kentucky 40217

ECHO NUMBER:
083-198-00A

SITE NAME:
800 ASKEW SERVICE ROAD

SITE ADDRESS:
ASKEW SERVICE ROAD
HOPSKINSVILLE, KY 42240

AREA:
LEASE AREA = 10,000 sq. ft.

PROPERTY OWNER:
MILDRED O. WALLACE
2591 STONE BRIAR DRIVE
CLARKSVILLE, TN 37043

TAX MAP NUMBER:
125

PARCEL NUMBER:
14

SOURCE OF TITLE:
DEED BOOK 532, PAGE 745

DWG BY:	CHKD BY:	DATE:
AES	FSII	10.01.99

TAN PROJECT NO.:
T-2709

SHEET 1 OF 2

REVISIONS:
SELF-SUPPORT TOWER 10.29.99
SITE ADDRESS 11.01.99

C1

SHEET 1

S1/1 – VICINITY AND 500' STRUCTURAL MAP

S1/2 – ABUTTING PROPERTY OWNERS

S1/3 – U.S.G.S. QUAD MAP

SHEET 2

S2/1 – LEASE AREA

S2/2 – LEGAL DESCRIPTIONS

S2/3 – FLOOD ZONE DATA

POWER POLE

UTILITY COMPANY: UNKNOWN
IDENTIFICATION #: N/A

PROJECT BENCHMARK

NORTH: 1793625.61
EAST: 1134922.01
ELEVATION: 580.99
LOCATION: BEING A SET SPIKE IN A POWER POLE LOCATED ±5' WEST OF THE ACCESS ESMT. & ±100' NORTH OF ASKEW ROAD.

SYMBOL LEGEND

- WOOD POWER POLE
- LIGHT POLE
- MANHOLE
- WATER METER
- FIRE HYDRANT
- GUY ANCHOR
- F.P. FENCE POST
- SET #5 REBAR (UNLESS OTHERWISE NOTED)
- EXISTING #5 REBAR (UNLESS OTHERWISE NOTED)

ABBREVIATIONS

EP	EDGE OF PAVEMENT
ROW	RIGHT OF WAY
℄	CENTERLINE
RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
℘	SUBJECT PROPERTY LINE
TC	TOP OF CURB
BC	BOTTOM OF CURB
POB	POINT OF BEGINNING

LINE LEGEND

- P—P—P— OVERHEAD ELECTRIC
- G—G—G— UNDERGROUND GAS LINE
- W—W—W— UNDERGROUND WATER LINE
- SS—SS—SS— UNDERGROUND SANITARY SEWER LINE
- T—T—T— UNDERGROUND TELEPHONE LINE
- D—D—D— DRAINAGE/STORM SEWER LINE
- X—X—X— FENCE
- SUBJECT PROPERTY BOUNDARY
- RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR LINESTYLES DO NOT NECESSARILY APPEAR ON DRAWING(S). USE ONLY AS APPLICABLE

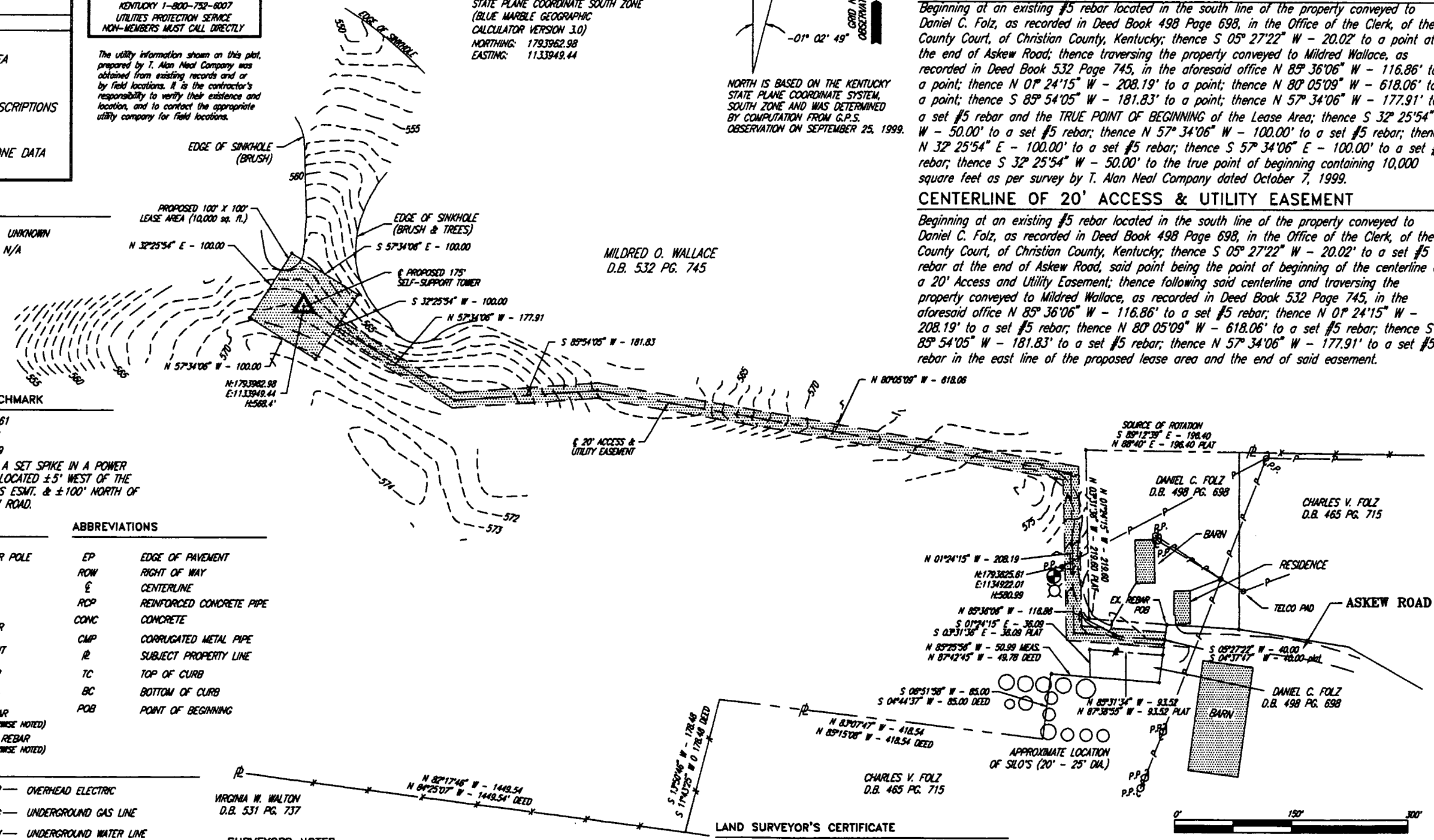
S2/1

UNDERGROUND UTILITIES
CALL 2 WORKING DAYS
BEFORE YOU DIG
INDIANA 1-800-382-5544
KENTUCKY 1-800-752-6007
UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST CALL DIRECTLY

The utility information shown on this plat, prepared by T. Alan Neal Company was obtained from existing records and or by field locations. It is the contractor's responsibility to verify their existence and location, and to contact the appropriate utility company for field locations.

COORDINATE POINT LOCATION

NAD 1983
LATITUDE: 36° 44' 32."38
LONGITUDE: 87° 28' 42."87
NAVD 1988
ELEVATION: 568.4'
STATE PLANE COORDINATE SOUTH ZONE (BLUE MARBLE GEOGRAPHIC CALCULATOR VERSION 3.0)
NORTHING: 1793962.98
EASTING: 1133949.44



GRID NORTH
TRUE NORTH
-01° 02' 49"
GRID NORTH BY G.P.S. OBSERVATION, ± 10 SECONDS

NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON SEPTEMBER 25, 1999.

S2/2

LEGAL DESCRIPTIONS:

This is a description for Crown Communication Inc., of an area to be leased from the property of Mildred O. Wallace, which is further described as follows:

LEASE AREA

Beginning at an existing #5 rebar located in the south line of the property conveyed to Daniel C. Folz, as recorded in Deed Book 498 Page 698, in the Office of the Clerk, of the County Court, of Christian County, Kentucky; thence S 05° 27'22" W – 20.02' to a point at the end of Askew Road; thence traversing the property conveyed to Mildred Wallace, as recorded in Deed Book 532 Page 745, in the aforesaid office N 85° 36'06" W – 116.86' to a point; thence N 01° 24'15" W – 208.19' to a point; thence N 80° 05'09" W – 618.06' to a point; thence S 85° 54'05" W – 181.83' to a point; thence N 57° 34'06" W – 177.91' to a set #5 rebar and the TRUE POINT OF BEGINNING of the Lease Area; thence S 32° 25'54" W – 50.00' to a set #5 rebar; thence N 57° 34'06" W – 100.00' to a set #5 rebar; thence N 32° 25'54" E – 100.00' to a set #5 rebar; thence S 57° 34'06" E – 100.00' to a set #5 rebar; thence S 32° 25'54" W – 50.00' to the true point of beginning containing 10,000 square feet as per survey by T. Alan Neal Company dated October 7, 1999.

CENTERLINE OF 20' ACCESS & UTILITY EASEMENT

Beginning at an existing #5 rebar located in the south line of the property conveyed to Daniel C. Folz, as recorded in Deed Book 498 Page 698, in the Office of the Clerk, of the County Court, of Christian County, Kentucky; thence S 05° 27'22" W – 20.02' to a set #5 rebar at the end of Askew Road, said point being the point of beginning of the centerline of a 20' Access and Utility Easement; thence following said centerline and traversing the property conveyed to Mildred Wallace, as recorded in Deed Book 532 Page 745, in the aforesaid office N 85° 36'06" W – 116.86' to a set #5 rebar; thence N 01° 24'15" W – 208.19' to a set #5 rebar; thence N 80° 05'09" W – 618.06' to a set #5 rebar; thence S 85° 54'05" W – 181.83' to a set #5 rebar; thence N 57° 34'06" W – 177.91' to a set #5 rebar in the east line of the proposed lease area and the end of said easement.

SURVEYORS NOTES

SOURCE OF BEARING IS A G.P.S. OBSERVATION ON SEPTEMBER 25, 1999.

SOURCE OF ROTATION BASED ON THE NORTH PROPERTY LINE OF THE FOLZ PROPERTY HAVING THE BEARING OF N 88°40' W PER D.B. 498, PG. 698, AND THE CALCULATED BEARING OF S 89°12'39" E.

SITE SHOWN SUBJECT TO RIGHT OF WAYS SHOWN HEREON OR NOT

NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR AMBIGUITIES IN THE TITLE OF THE PARENT TRACT.

EXISTING CONTOURS ARE AT ONE FOOT INTERVALS.

STATE OF KENTUCKY
FRANK L. SELLINGER
3282
LICENSED PROFESSIONAL LAND SURVEYOR

LAND SURVEYOR'S CERTIFICATE

TYPE "A" SURVEY: UNADJUSTED TRAVERSE CLOSURE BETTER THAN 1 IN 26,000.

TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED
I hereby certify that this plat and survey were made under my supervision, and that the angular and linear measurements, as witnessed by monuments shown hereon, are true and correct to the best of my knowledge and belief.
This survey and plat meets or exceeds the minimum standards of the governing authorities.
This property is subject to any recorded easements or right of ways not shown hereon.

Frank L. Sellinger II — Ky. Reg. No. 3282 — 11-1-99

"CELLULAR COMMUNICATION TOWER SITE SURVEY"
REFERENCED AS "EXHIBIT B"

OWNER APPROVAL: _____ DATE: _____
CROWN APPROVAL: _____ DATE: _____

S2/3

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 210277 0011A DATED 11-1-97 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA.

CROWN COMMUNICATION INC
COMMONWEALTH BUSINESS CENTER
11001 BLUEGRASS PARKWAY
SUITE 330
LOUISVILLE, KY. 40299
OFFICE: (502) 240-0044
FAX: (502) 240-0045

T. Alan Neal Company
tan
(502) 635-5866
FAX: 636-5263
Civil Engineering 428 Warnock Street
Land Surveying Louisville, Kentucky 40217

ECHO NUMBER: 083-198-00A

SITE NAME: 800 ASKEW SERVICE ROAD

SITE ADDRESS: ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

AREA: LEASE AREA = 10,000 sq. ft.

PROPERTY OWNER: MILDRED O. WALLACE 2951 STONE BRIAR DR. CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: DEED BOOK 532, PAGE 745

DWG BY:	CHKD BY:	DATE:
JMW	FSII	10.07.99

TAN PROJECT NO.: T-2709

SHEET 2 OF 2

REVISIONS:
SELF-SUPPORT TOWER 10.29.99
SITE ADDRESS 11.01.99

C2

SITE PLAN NOTES

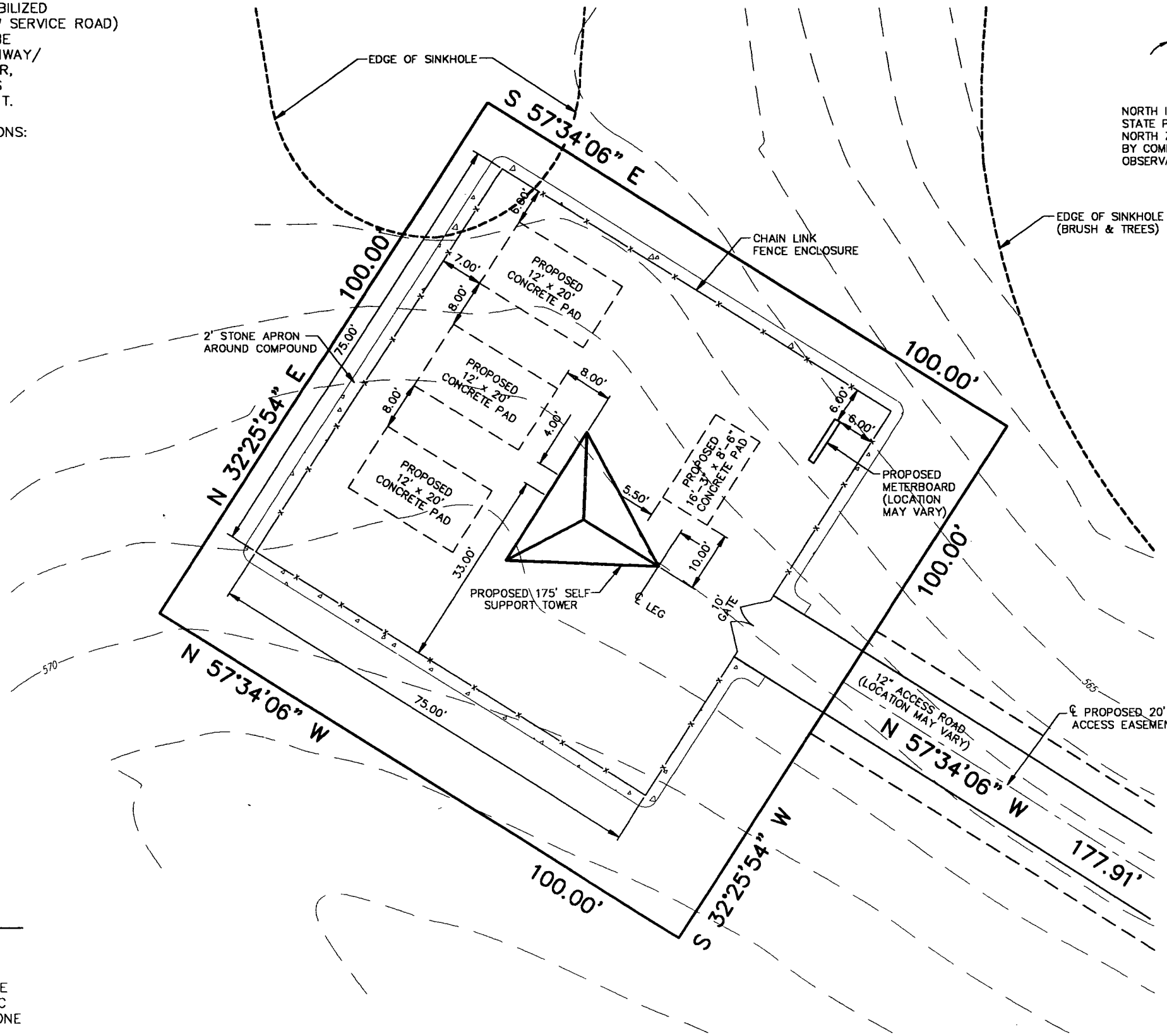
THE PROPOSED DEVELOPMENT IS FOR A 175 FOOT HIGH SELF SUPPORT TOWER AND UP TO 4 ANCILLARY CABINETS. ITS LOCATION IS AT 800 ASKEW SERVICE ROAD, HOPKINSVILLE, KENTUCKY 42240

THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZED DRIVE FROM AN EXISTING ASPHALT ROADWAY (ASKEW SERVICE ROAD) A PUBLIC RIGHT OF WAY. THE ACCESS ROAD IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL HIGHWAY/ DEPARTMENT OF TRANSPORTATION STANDARDS. WATER, SANITARY SEWER, AND WASTE COLLECTIONS SERVICES ARE NOT REQUIRED FOR THE PROPOSED DEVELOPMENT.

CENTERLINE OF EXISTING TOWER GEOGRAPHIC LOCATIONS:
LATITUDE: 36°44'32.38"N, N 1793962.98
LONGITUDE: 87°28'42.87"W, E 1133949.44

NOTE:

1. REMOVE ALL VEGETATION & CLEAN AREA W/ LEASE AREA (WHERE REQUIRED)
2. FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE W/ A SLOPE OF NO LESS THAN ONE EIGHTH (1/8") PER FOOT FLOWING AWAY FROM EQUIP. FOR A MIN. DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS.
3. LOCATE ALL U.G. UTILITIES PRIOR TO ANY CONSTRUCTION
4. FENCED COMPOUND FINISHED SURFACE



GRID NORTH
TRUE NORTH
-01°02'49"
GRID NORTH BY G.P.S. OBSERVATION, ±10 SECONDS

NORTH IS BASED ON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, NORTH ZONE AND WAS DETERMINED BY COMPUTATION FROM G.P.S OBSERVATION ON SEPTEMBER 25, 1999

LEGEND

- E — EXISTING OVERHEAD ELECTRIC
- T — EXISTING OVERHEAD TELEPHONE
- UE — UE — EXISTING UNDERGROUND ELECTRIC
- UT — UT — EXISTING UNDERGROUND TELEPHONE
- UE — PROPOSED UNDERGROUND ELECTRIC
- UT — PROPOSED UNDERGROUND TELEPHONE
- x — x — FENCE LINE
- POWER POLE
- TELE. PED — TELEPHONE PEDESTAL
- WATER VALVES
- FIRE HYDRANTS
- BOLLARDS

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BTM
BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: D.B. 532, PG. 745

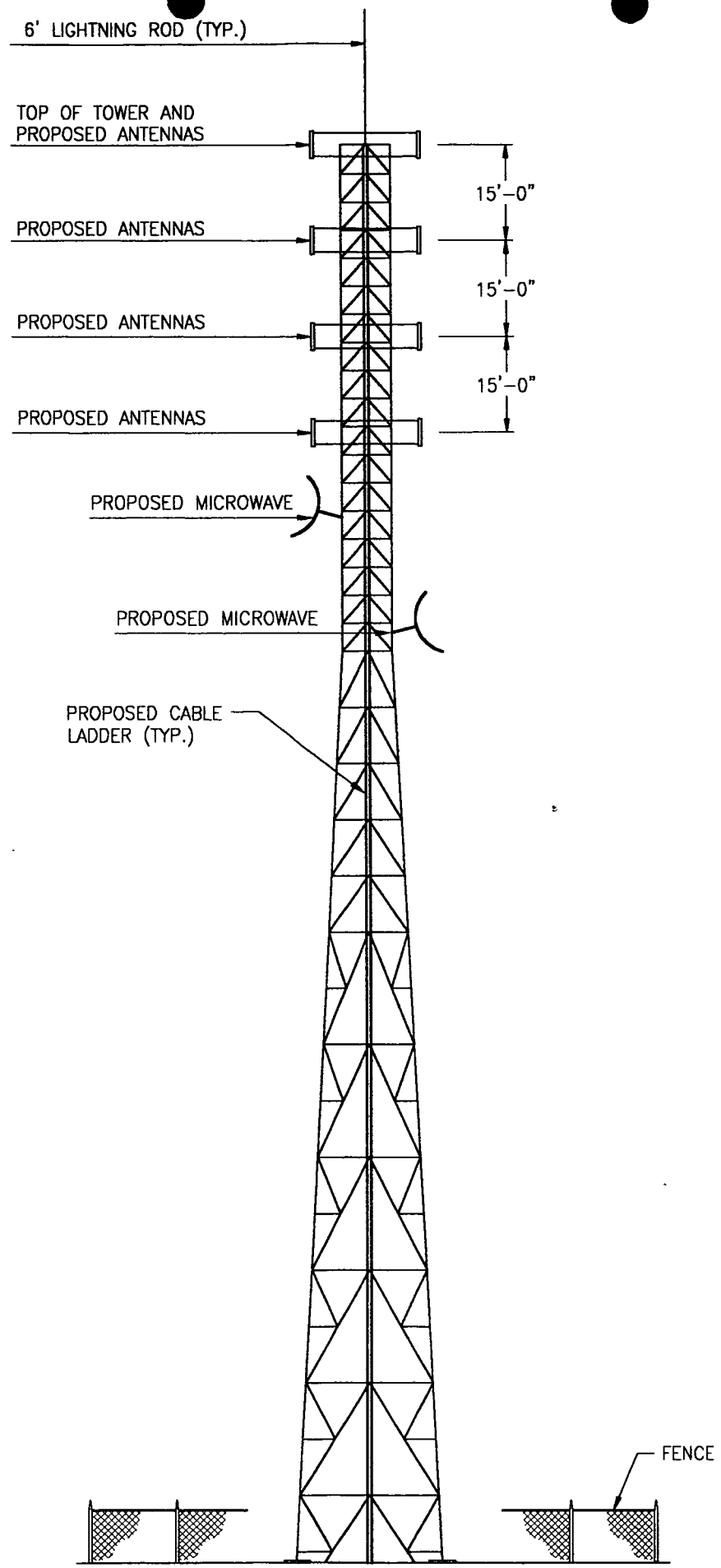
LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

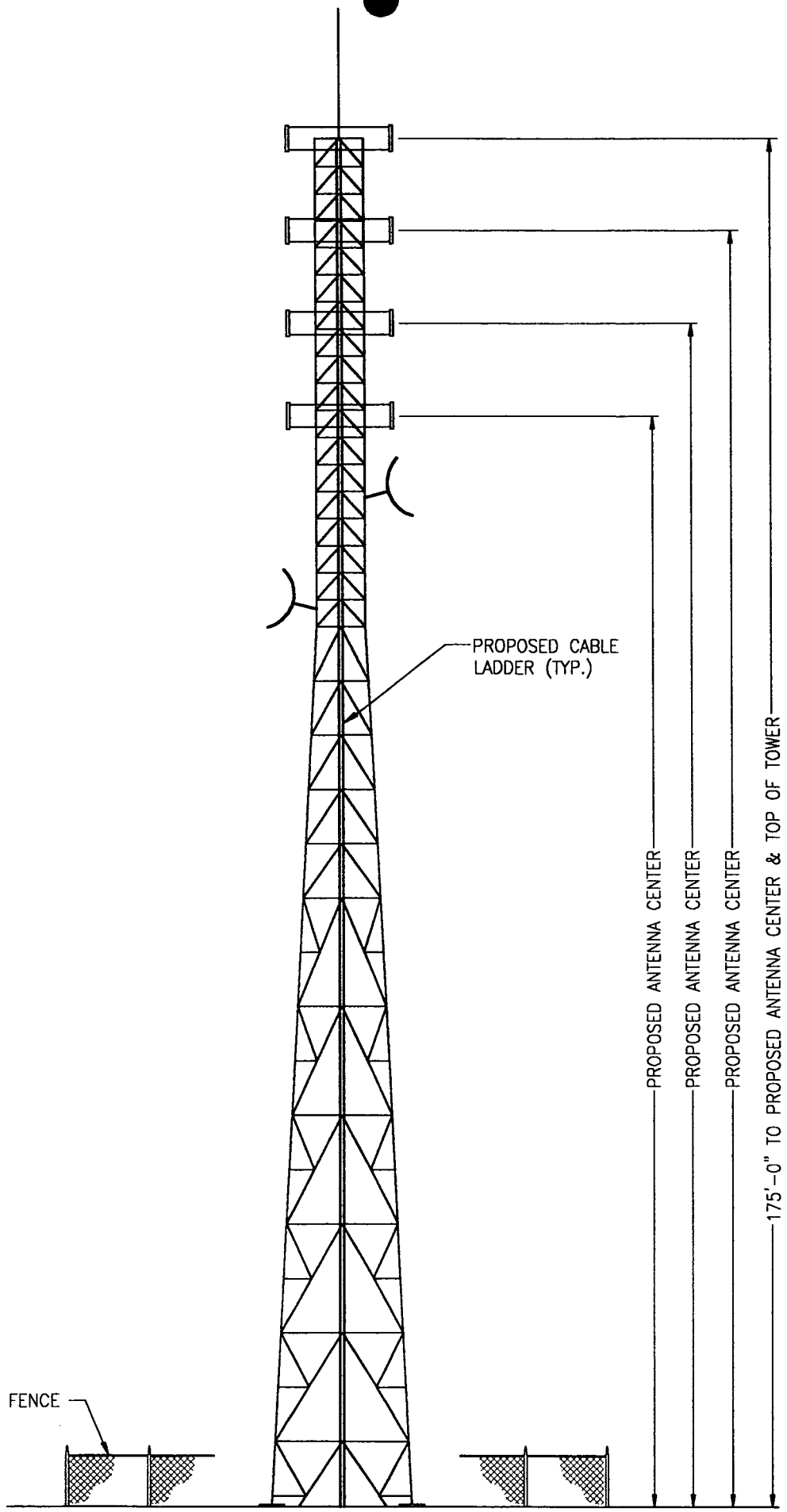
NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: SITE LAYOUT

SHEET: Z-3



NORTH ELEVATION
NOT TO SCALE



SOUTH ELEVATION
NOT TO SCALE

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

BTM
BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: D.B. 532, PG. 745

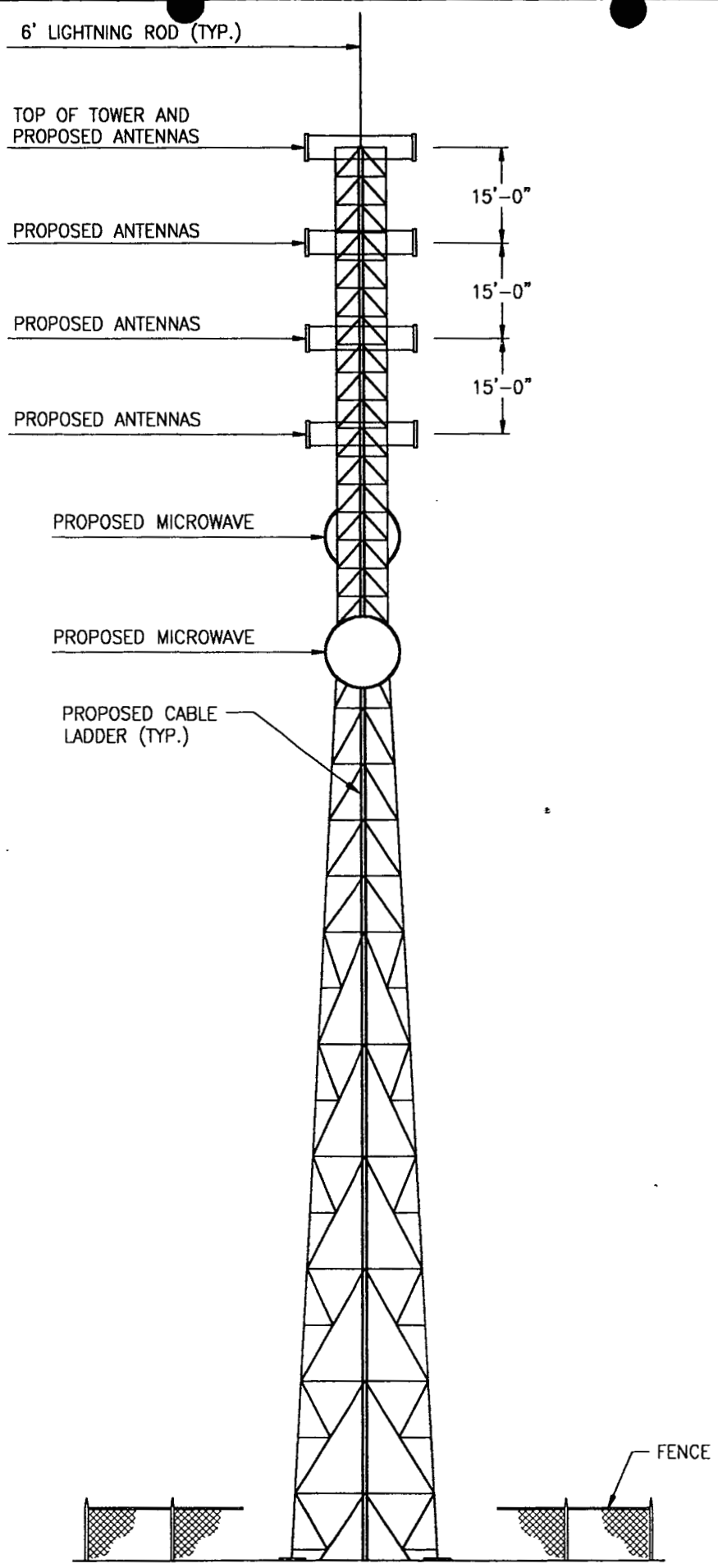
LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

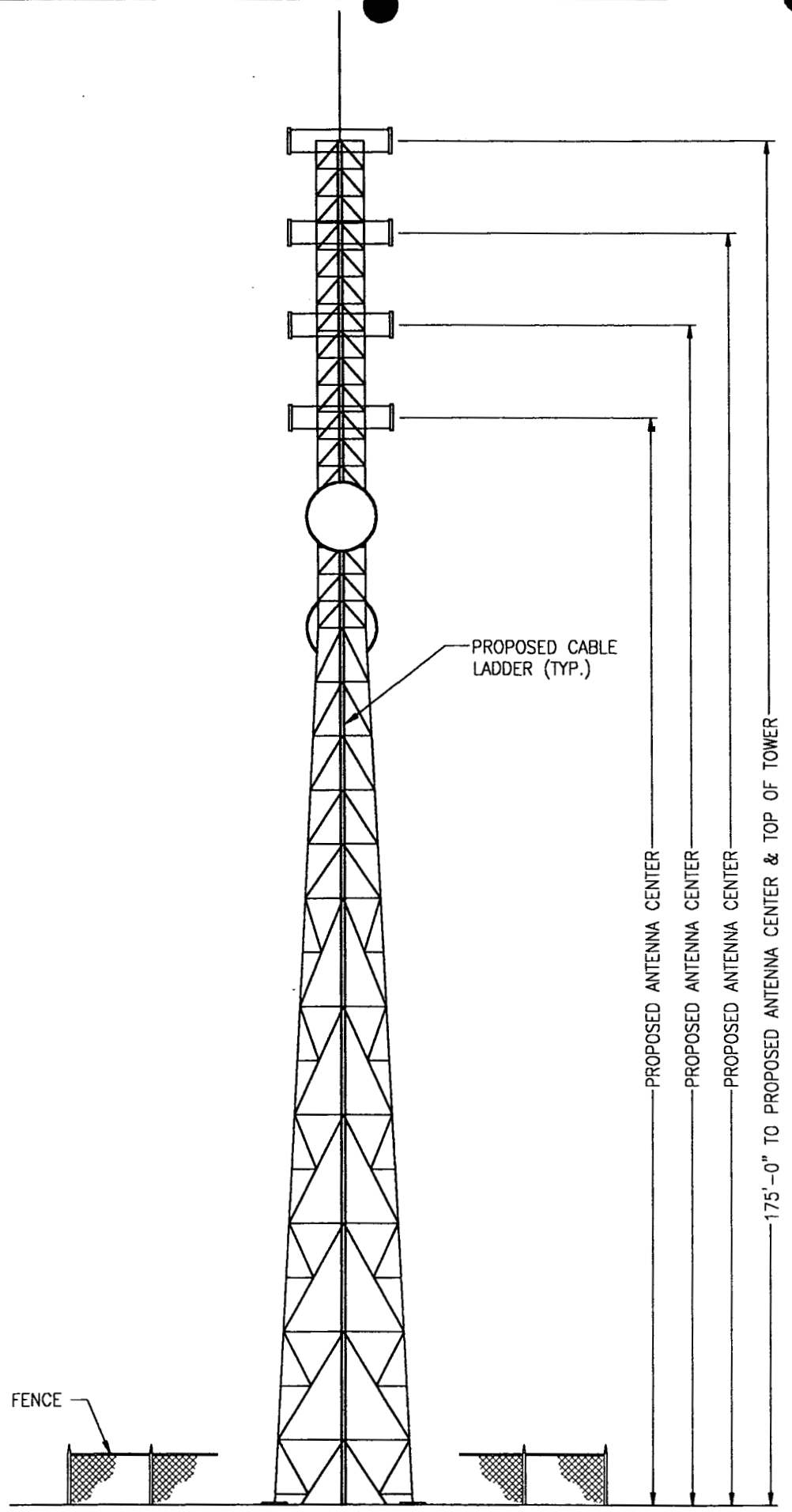
NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: NORTH / SOUTH ELEVATIONS

SHEET: Z-4



EAST ELEVATION
NOT TO SCALE



WEST ELEVATION
NOT TO SCALE

CROWN COMMUNICATION, INC.
11001 BLUEGRASS PARKWAY
SUITE # 330
LOUISVILLE, KENTUCKY 40299
(502) 240-0044 PHONE
(502) 240-0045 FAX

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BIRCH, TRAUTWEIN & MIMS, INC.
4124 TAYLORSVILLE ROAD
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
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STATE OF KENTUCKY
11-3-99
CHARLES E. WEITER
11220
LICENSED
PROFESSIONAL ENGINEER

ECHO NUMBER: 083-198-00A

SITE NAME: ASKEW SERVICE ROAD

SITE ADDRESS: 800 ASKEW SERVICE ROAD HOPKINSVILLE, KY. 42240

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

PROPERTY OWNER: MILDRED O. WALLACE 2591 STONE BRIAR DRIVE CLARKSVILLE, TN. 37043

TAX MAP NUMBER: 125

PARCEL NUMBER: 14

SOURCE OF TITLE: D.B. 532, PG. 745

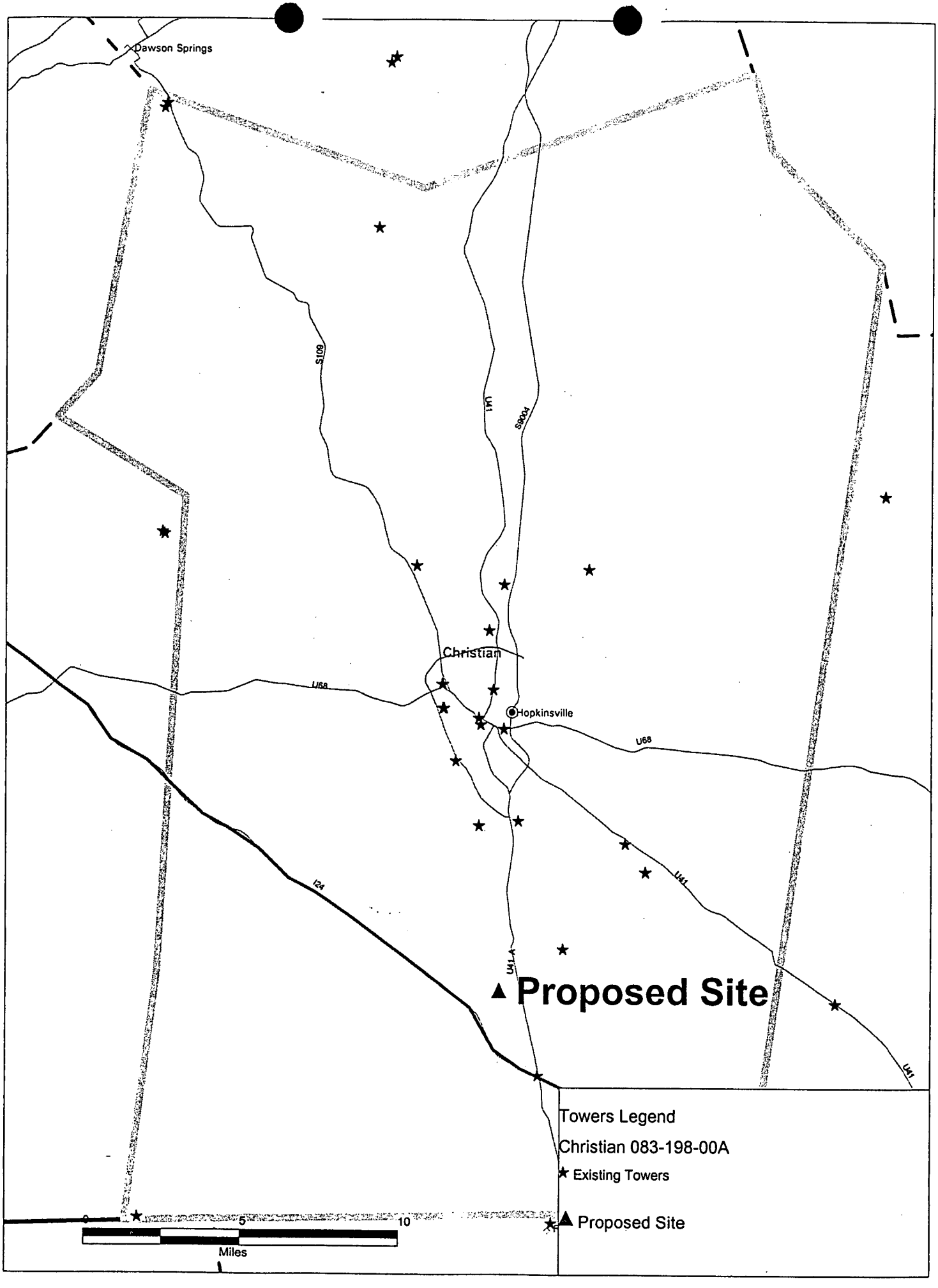
LATITUDE: 36°44'32.38"N
LONGITUDE: 87°28'42.87"W

DRAWN BY: DOC
CHECKED BY: BJ

NO.	REVISION/ISSUE	DATE
1.	ZONING PLANS	10/13/99
2.	CROWN REVISIONS	10/15/99
3.	TOWER TYPE CHANGED	10/28/99
4.	CROWN REVISIONS	11/02/99

TITLE: EAST / WEST ELEVATIONS

SHEET: Z-5


Dawson Springs
S109
U41
S9004
Christian
U68
Hopkinsville
U68
U41
I24
U41A
Proposed Site
U41
Towers Legend
Christian 083-198-00A
Existing Towers
Proposed Site
0
5
10
Miles

GEOTECHNICAL ENGINEERING STUDY
CROWN COMMUNICATIONS
PROPOSED 083-198-00A WALLACE TOWER
ASKEW SERVICE ROAD
HOPKINSVILLE, KENTUCKY
ATC Project No. 13000.9119

Prepared For:

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

Attention: Mr. Russ McKenzie

October 19, 1999

ATC ASSOCIATES INC.

2815 Watterson Trail
Louisville, Kentucky 40299
502.267.8355
Fax 502.267.8528

October 19, 1999

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

Attention: Mr. Russ McKenzie

Re: Geotechnical Engineering Study
Proposed 083-198-00A Wallace Tower
Askew Service Road
Hopkinsville, Kentucky
ATC Project No. 13800.9119

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.

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

STATE OF KENTUCKY
DAVID L. WARDER
9588
PROFESSIONAL ENGINEER

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

Copies submitted: (4) Mr. Russ McKenzie

TABLE OF CONTENTS

GEOTECHNICAL ENGINEERING INVESTIGATION

Proposed Communications Transmission Tower
Proposed 083-198-00A Wallace Tower
Askew Service Road
Hopkinsville, Kentucky
ATC Project No. 13000.9119

1. PURPOSE AND SCOPE

The purpose of this study was to determine the general subsurface conditions at the location of the proposed tower by drilling one soil test boring and to evaluate this data with respect to foundation concept and design for the proposed self-supporting tower. Also included is an evaluation of the site with respect to potential construction problems and recommendations dealing with quality control during construction.

2. PROJECT CHARACTERISTICS

Crown Communications is planning to construct a communications tower on a property located at 596 Askew Service Road in Hopkinsville, Kentucky. The proposed tower location is shown on the Boring Location Plan in the Appendix. At the time of our field exploration the site was in an open field on a ridge line that sloped downward to the north, south and west.

We assume that the tower will be supported on three legs situated in a triangular pattern and that the legs of the tower will be supported on three drilled piers or on a common mat foundation bearing at a suitable depth below the existing ground surface. No foundation design loads have been provided for the proposed 175 foot self-supporting tower. We assume that the maximum downward load on the tower will not exceed about 300 kips/leg and that the maximum uplift and

lateral forces will be no greater than about 200 kips/leg and 25 kips/leg, respectively. The development will also include a small equipment building near the base of the tower.

3. SUBSURFACE CONDITIONS

The subsurface conditions were explored by drilling one test boring at the proposed tower location, the center of which was staked in the field by the client. The Geotechnical Soil Test Boring Log, which is included in the Appendix, describes the materials and conditions encountered. Sheets defining the terms and symbols used on the boring log and explaining the Standard Penetration Test (SPT) procedure can also be found in the Appendix. The general subsurface conditions disclosed by the test boring are discussed in the following paragraphs.

About 18 inches of topsoil was encountered at the ground surface. The boring then encountered apparently natural clay (CH) of relatively high plasticity to the scheduled depth of 40 feet below the ground surface. The SPT N-values in the clayey soil generally increased with depth and ranged from 15 to 44 blows per foot indicating a stiff to hard consistency. Pocket penetrometer values used to estimate the unconfined compressive strength of cohesive soil ranged from approximately 2.5 to 6.0 tons per square foot.

Groundwater observations made at the completion of drilling operations indicated the boring to be dry. It must be noted, however, that short term water readings in clayey soils are not necessarily a reliable indication of the actual groundwater level. Furthermore, it must be emphasized that the groundwater level is generally not stationary, but will fluctuate seasonally.

According to the Seismic Zone Map of the United States, Hopkinsville, 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 piers or on a common mat foundation.

4.1.1. Drilled Pier

Drilled piers that bear in the clay encountered in the test boring below a depth of 9 feet can be designed for a net allowable end bearing pressure of 6,000 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 35 feet, a deeper boring should be drilled to determine the nature of the deeper material.

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	1,000	0	120	650 + 40D	0
5 - 20	1,500	0	125	1,200 + 40(D-5)	325
20 - 35	2,000	0	130	2,150 + 40(D-20)	450

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 piers 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 the stiff to very stiff clay. A net allowable bearing pressure of up to 4,000 pounds per square foot may be used. This value 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 deign 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 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 bases of the drilled pier excavations 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 excavations 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 bases of pier excavations, the pier excavations 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 and the casing removed 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 described 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, 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 scheduled depth of 40 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 and moisture content 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.

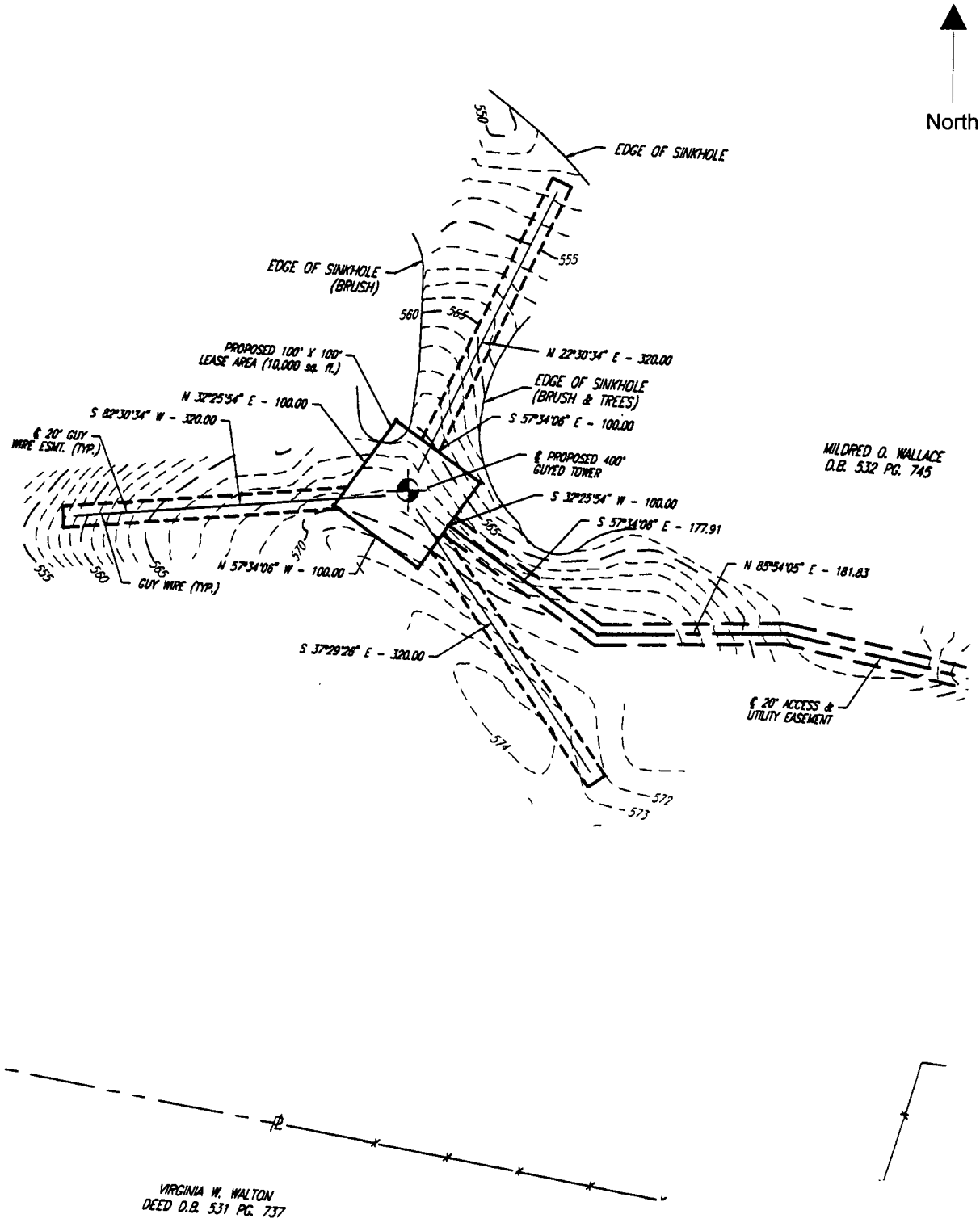
The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or a representative is therefore considered necessary to verify the subsurface conditions and to check that 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



BORING LOCATION PLAN	PROJECT NUMBER 13000.9119	VATC
Crown Communications Inc Proposed 083-198-00A Wallace Tower Hopkinsville, Kentucky	SCALE Unknown	

VATC Associates Inc.
2815 Watterson Trail
Louisville, Kentucky 40299

GEOTECHNICAL BORING LOG

CLIENT: Crown Communications
PROJECT: Proposed 083-198-00A Wallace Tower
LOCATION: 596 Askew Service Road, Hopkinsville, KY

BORING NUMBER: B-1
PROJECT NUMBER: 13000.9119
PROJECT MANAGER: Beth Stuber

Surface Elevation:
Date Started: 10/14/99
Date Completed: 10/14/99

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 NO	BLOWS	TYPE	REC	w,%	PP,tsf	NOTES
	CLAY (CH) - stiff, reddish brown			1	7-7-8	SPT	100	21.0	2.7	About 18 inches ot topsoil were encountered at the existing ground surface.
	- very stiff			2	9-8-9	SPT	100		2.8	
			5	3	11-10-8	SPT	100	20.8	5.4	
				4	12-11-9	SPT	100		4.0	
			10	5	10-11-10	SPT	100	25.1	3.5	
				6	12-10-10	SPT	100		3.8	
			15							
	- trace limestone fragments			7	13-14-11	SPT	100	40.5	4.0	
			20							
				8	12-13-10	SPT	100		6.0	
			25							
				9	14-17-15	SPT	100	42.3	4.5	
			30							
				10	16-13-14	SPT	100		2.5	
			35							

GEOTECHNICAL 13000119.GPJ 10/20/99

Continued on the next page

VATC Associates Inc.
2815 Watterson Trail
Louisville, Kentucky 40299

GEOTECHNICAL BORING LOG

CLIENT: Crown Communications
PROJECT: Proposed 083-198-00A Wallace Tower
LOCATION: 596 Askew Service Road, Hopkinsville, KY

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PROJECT NUMBER: 13000.9119
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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 NO	BLOWS	TYPE	REC	w,%	PP,tsf	NOTES
	CLAY (CH) - very stiff, reddish brown									
				11	18-19-23	SPT	100	39.1	--	
		40.0	40							
	TERMINATED									The borehole was dry at completion of drilling operations.
			45							
			50							
			55							
			60							
			65							
			70							

GEOTECHNICAL 13000119.GPJ 10/20/99

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	Percent
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	
Degree of Plasticity	Plasticity Index
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.

VATC

Instrument Prepared By:
e Paradise
420 Donelson Pk, Ste A18
Nashville, TN 37217

Site Name: Askew Service Rd

Site ID: 083-198-000

Indexing Instructions:

Memorandum of Lease Agreement

This memorandum evidences that a lease was and hereby is made and entered into by written Lease Agreement dated 4/13, 1999, between Mildred O. Wallace ("Owner") and Tritel Communications, Inc., a Delaware corporation ("Tritel").

Such Agreement provides in part that Owner leases to Tritel and Owner does hereby lease to Tritel a certain site ("Site") located at Askew Service Road,City of Hopkinsville, County of Christian, State of Kentucky, within the property of Owner which is described in **Exhibit A** attached hereto (or such Site which itself and the easements thereto are more particularly described in **Exhibit "A"**), with grant of and Owner hereby grants a non-exclusive easement for unrestricted rights of access thereto and to electric and telephone facilities for a term of five (5) years commencing on _____, 19_____, which term is subject to four (4) additional five (5) year extension periods by Tritel.

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

"Tritel"

Tritel Communications, Inc., a Delaware corporation

By: _____ 4/13/99

Name: Jerry M. Sullivan, Jr.

Title: Exec. VP / COO

Address: 1410 Livingston Lane
Jackson, MS 39213-8003

Phone Number: 601-362-2200

"OWNER"

Mildred O. Wallace

By: Mildred Wallace

Name: Mildred O. Wallace

Title: Owner

Address: 2591 Stone Briar Drive
Clarksville, TN 37043

Phone Number: 931-358-5534

CONTINUATION OF OWNER'S SIGNATURES:

"OWNER":

By: _____

Its: _____

By: _____

Its: _____

By: _____

Its: _____

NOTARY BLOCK FOR LANDLORD IF INDIVIDUAL

STATE OF TENNESSEE
COUNTY OF Montgomery

Personally appeared before me, Craig Hargrow, a Notary Public in and for said State and County, Mildred O. Wallace, the within named bargainor(s), with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged that she executed the foregoing instrument for the purposes therein contained.

WITNESS my hand and seal at office, on this 19th day of March, 1999

Craig Hargrow
Notary Public

My Commission Expires:
9/17/2001

STATE OF TENNESSEE
COUNTY OF _____

Personally appeared before me, _____, a Notary Public in and for said State and County, _____, the within named bargainor(s), with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged that __he__ executed the foregoing instrument for the purposes therein contained.

WITNESS my hand and seal at office, on this ____ day of _____, 19___.

_____
Notary Public

My Commission Expires:
_____

NOTARY BLOCK FOR LANDLORD IF CORPORATION

STATE OF TENNESSEE
COUNTY OF _____

Before me, _____, a Notary Public in and for the State and County aforesaid, personally appeared _____, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged himself (or herself) to be the _____ of _____, the within named bargainor, a corporation, and that __he__ as such _____, being duly authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by _____self as such _____.

WITNESS my hand and seal at office, on this the ____ day of _____, 19___.

_____
Notary Public

My Commission Expires:
_____

NOTARY BLOCK FOR LANDLORD IF LLC

STATE OF TENNESSEE
COUNTY OF _____

Before me, _____, a Notary Public in and for said State and County aforesaid, duly commissioned and qualified, personally appeared _____, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged ____self to be the _____ of _____, **LLC**, the within-named bargainor, a Tennessee Limited Liability Company, and that __he__, as such _____, being duly authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the Limited Liability Company by ____self as such _____.

WITNESS my hand and seal at office on this the _____ day of _____, 19___.

_____
Notary Public

My Commission Expires:
_____

NOTARY BLOCK FOR TRITEL

STATE OF ~~TENNESSEE~~ MS
COUNTY OF Hinds

Before me, Jacqueline Martin Warren, a Notary Public in and for said County and State, personally appeared Jerry M. Sullivan, Jr., with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged ~~himself~~ to be the Exec VP | COO of **TRITEL COMMUNICATIONS, INC.**, the within named bargainor, a corporation, and that __he__ as such _____ executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by ___self as such _____.

WITNESS my hand and seal at office, on this 13 day of April, 1999.

Jacqueline Martin Warren
Notary Public

My Commission Expires:
MISSISSIPPI STATEWIDE NOTARY PUBLIC
MY COMMISSION EXPIRES JAN. 20, 2003

JACQUELINE MARTIN WARREN HINDS COUNTY NOTARY PUBLIC

EXHIBIT "A"

Property

1. The street address of the Property is:

   Askew Service Road, Hopkinsville, KY 42240

2. The Assessor's Parcel Number is:

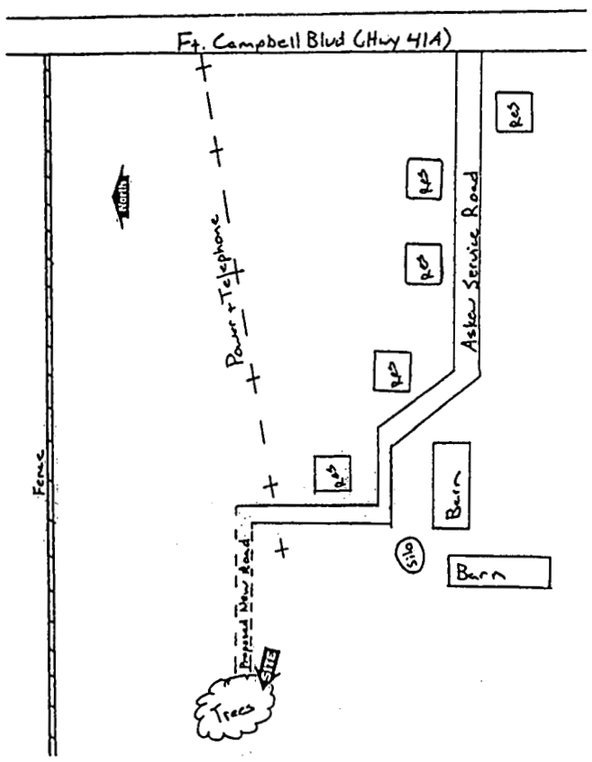
   Map: 125 Parcel: 14

3. The Property is legally described as:

   Recorded in Book: 532 Page: 745 in the office of the County Clerk, Christian County, Kentucky.

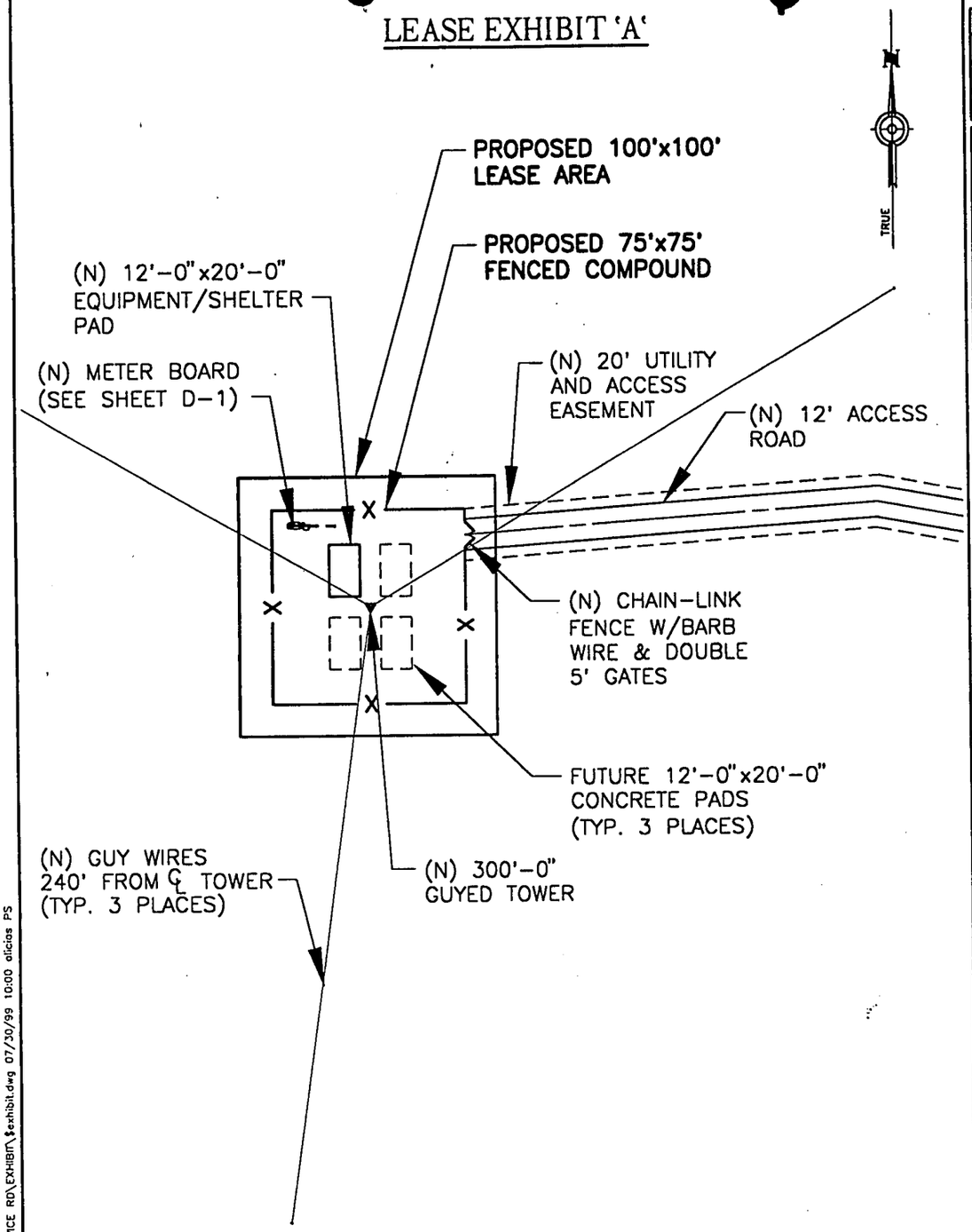
4. The Premises is described as follows:

   An area 100 feet by 100 feet, along with all easements and access rights as required by the Lessee to fully utilize the leased parcel for the purposes as described in the lease. Approximate area is indicated in the sketch below:



INITIALS

LEASE EXHIBIT 'A'



KY-083-198-00A
ASKEW SERVICE ROAD
KY-083-198-00A
ASKEW SERVICE ROAD
PREPARED BY:
AS
CHECKED BY:
TA / HM
DRAWING DATE: 07/23/99
JOB NUMBER
SCALE: NTS

GEM ENGINEERING COMPANY

APPROVED FOR CONSTRUCTION

Civil Director _____ Network Director _____ Land Owner _____

CROWN® COMMUNICATIONS

CONSULTING • TOWER ERECTION • SITE DEVELOPMENT
SITE MANAGEMENT • TURN-KEY ENGINEERING

FILE NAME: ASKEW SERVICE ROAD

DRAWING NAME: KY-083-198-00A

DRAWING: 1 OF 1

REVISION: .

File Info: R:\load\Crown-Kentucky\Guy-Tower\ASKEW SERVICE RD\EXHIBIT\$exhibit.dwg 07/30/99 10:00 alicias PS