

BRIGGS LAW OFFICE, PSC
TODD R. BRIGGS
17300 POLO FIELDS LANE
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August 19, 2009

RECEIVED

AUG 21 2009

PUBLIC SERVICE
COMMISSION

Via Fedex Overnight Delivery

Kentucky Public Service Commission
Attn: Ryan Gatewood
Director, Division of Filings
211 Sower Boulevard
Frankfort, KY 40602

RE: Application to Construct Wireless Communications Facility
Case Number: 2009-00319

Dear Mr. Gatewood,

On behalf of my client, New Cingular Wireless PCS, LLC, we are hereby submitting an original and five (5) copies of an Application for Certificate of Public Convenience and Necessity to Construct a Wireless Communications Facility in an area entirely within Graves County, Kentucky which is outside the jurisdiction of a Planning Commission.

Please contact me if you require any further documentation or have any questions concerning this application.

Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosures

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

In the Matter of:

APPLICATION OF NEW CINGULAR WIRELESS PCS, LLC)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY NEAR)CASE: 2009-00319
INTERSECTION OF STATE ROUTE 58 AND U.S. 45)
MAYFIELD, GRAVES COUNTY, KENTUCKY, 42066)
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)

RECEIVED

AUG 21 2009

PUBLIC SERVICE
COMMISSION

SITE NAME: PRYORSBURG (339G0157)

**APPLICATION FOR CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY
TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY**

New Cingular Wireless PCS, LLC, a Delaware limited liability company, ("Applicant"), by counsel, pursuant to (i) KRS §§ 278.020, 278.040, 278.665 and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996 respectfully submits this Application requesting the issuance of a Certificate of Public Convenience and Necessity ("CPCN") from the Kentucky Public Service Commission ("PSC") to construct, maintain and operate a Wireless Communications Facility ("WCF") to serve the customers of the Applicant with wireless telecommunication services. In support of this Application, Applicant respectfully provides and states the following:

1. The complete name and address of the Applicant is: New Cingular Wireless PCS, LLC, a Delaware limited liability company having a local address of 601 West Chestnut Street, Louisville, Kentucky 40203.

2. Applicant is a Delaware limited liability company and a copy of its Delaware Certificate of Formation and Certificate of Amendment are attached as **Exhibit A**. A copy of the Certificate of Authorization to transact business in the Commonwealth of Kentucky is also included as **Exhibit A**.

3. Applicant proposes construction of an antenna tower in Graves County, Kentucky, which is outside the jurisdiction of a planning commission and Applicant submits the Application to the PSC for a CPCN pursuant to KRS §§ 278.020(1), 278.650, and 278.665.

4. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve the Applicant's services to an area currently not served or not adequately served by the Applicant by enhancing coverage and/or capacity and thereby increasing the public's access to wireless telecommunication services. The WCF is an integral link in the Applicant's network design that must be in place to provide adequate coverage to the service area.

5. To address the above-described service needs, Applicant proposes to construct a WCF near the intersection of State Route 58 and U.S. 45, Mayfield, Kentucky 42066 (36° 40' 56.30" North Latitude, 88° 44' 18.57" West Longitude (NAD 83)), in an area entirely within Graves County. The property in which the WCF will be located is currently owned by Harold E. and Belinda J. Green as to ½ interest and Scott D. Green as ½ interest, pursuant to that Deed of record in Deed Book 413, Page 666 in the Office of the Graves County Clerk. The proposed WCF will consist of a 250 foot self-support tower with an approximately 10-foot tall lightning arrestor attached to the top of the tower for a total height of 260 feet. The WCF will also include concrete foundations to accommodate the placement of a prefabricated equipment shelter. The WCF compound will be fenced and all access gates(s) will be secured. A detailed site

development plan and survey, signed and sealed by a professional land surveyor registered in Kentucky is attached as **Exhibit B**.

6. A detailed description of the manner in which the WCF will be constructed is included in the site plan and a vertical tower profile signed and sealed by a professional engineer registered in Kentucky is attached as **Exhibit C**. Foundation design plans and a description of the standards according to which the tower was designed which have been signed and sealed by a professional engineer registered in Kentucky are attached as **Exhibit D**.

7. A geotechnical engineering report was performed at the WCF site by Patriot Engineering and Environmental, Inc. of Louisville, Kentucky, dated July 1, 2009 and is attached as **Exhibit E**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who prepared the report is included as part of the exhibit.

8. A list of public utilities, corporations, and or persons with whom the proposed WCF is likely to compete with is attached as **Exhibit F**. Three maps of suitable scale showing the location of the proposed WCF as well as the location of any like facilities owned by others located anywhere within the map area are also included in **Exhibit F**.

9. The Federal Aviation Administration Determination of No Hazard to Air Navigation is attached as **Exhibit G**. The Kentucky Airport Zoning Commission Approval of Application dated August 13, 2009 is also attached as **Exhibit G**.

10. The Applicant operates on frequencies licensed by the Federal Communications Commission pursuant to applicable federal requirements.

Copies of the licenses are attached as **Exhibit H**. Appropriate FCC required signage will be posted on the site.

11. Based on the review of Federal Emergency Management Agency Flood Insurance Rate Maps, the licensed, professional land surveyor has noted in **Exhibit B** that the Flood Insurance Rate Map (FIRM) No. 2102820005A dated December 1, 1992 indicates that the proposed WCF is not located within any flood hazard area.

12. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. Project Manager for the site is Chad Goughnour, of Nsoro, Inc.

13. Clear directions to the proposed WCF site from the county seat are attached as **Exhibit I**, including the name and telephone number of the preparer. A copy of the lease for the property on which the tower is proposed to be located is also attached as **Exhibit I**.

14. Applicant has notified every person of the proposed construction who, according to the records of the Graves County Property Valuation Administrator, owns property which is within 500 feet of the proposed tower or is contiguous to the site property, by certified mail, return receipt requested. Applicant included in said notices the docket number under which the Application will be processed and informed each person of his or her right to request intervention. A list of the property owners who received notices is attached as **Exhibit J**. Copies of the certified letters sent to the referenced property owners are attached as **Exhibit J**.

15. Applicant has notified the Graves County Judge Executive by certified mail, return receipt requested, of the proposed construction. The notice included the docket number under which the Application will be processed and

informed the Graves County Judge Executive of his right to request intervention. Copy of the notice is attached as **Exhibit K**.

16. Pursuant to 807 KAR 5:063, Applicant affirms that two notice signs measuring at least two feet by four feet in size with all required language in letters of required height have been posted in a visible location on the proposed site and on the nearest road. Copies of the signs are attached as **Exhibit L**. Such signs shall remain posted for at least two weeks after filing the Application. Notice of the proposed construction has been posted in a newspaper of general circulation in the county in which the construction is proposed (Mayfield Messenger).

17. The site of the proposed WCF is located in an undeveloped area near Mayfield, Kentucky.

18. Applicant has considered the likely effects of the proposed construction on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided. Applicant carefully evaluated locations within the search area for co-location opportunities and found no suitable towers or other existing structures that met the requirements necessary in providing adequate service to the area. Applicant has attempted to co-locate on towers deigned to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower or another suitable structure capable of supporting the utility's facilities.

19. A map of the area in which the proposed WCF is located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located is attached as **Exhibit M**.

20. No reasonably available telecommunications tower, or other suitable structure capable of supporting the Applicant's facilities which would provide adequate service to the area exists.

21. Correspondence and communication with regard to this Application should be directed to:

Todd R. Briggs
Briggs Law Office, PSC
17300 Polo Fields Lane
Louisville, KY 40245
(502) 254-9756
briggslo@bellsouth.net

WHEREFORE, Applicant respectfully requests that the PSC accept the foregoing application for filing and enter an order granting a Certificate of Public Convenience and Necessity to Applicant for construction and operation of the proposed WCF and providing for such other relief as is necessary and appropriate.

Respectfully submitted,



Todd R. Briggs
Briggs Law Office, PSC
17300 Polo Fields Lane
Louisville, KY 40245
Telephone 502-254-9756
Counsel for New Cingular Wireless PCS, LLC

LIST OF EXHIBITS

Exhibit A	Certificate of Authorization
Exhibit B	Site Development Plan and Survey
Exhibit C	Vertical Tower Profile
Exhibit D	Structural Design Report Foundation Design Report
Exhibit E	Geotechnical Engineering Report
Exhibit F	Competing Utilities List and Map of Like Facilities, General Area
Exhibit G	FAA Determination of No Hazard KAZC Approval
Exhibit H	FCC Documentation
Exhibit I	Directions to Site and Copy of Lease Agreement
Exhibit J	Property Owner Notification Listing Copy of Property Owner Notifications 500' Radius Vicinity Map
Exhibit K	Copy of County Judge Executive Notice
Exhibit L	Copy of Posted Notices
Exhibit M	Map of Search Area
Exhibit N	Miscellaneous

Exhibit A

Commonwealth of Kentucky
Trey Grayson, Secretary of State

7/22/2008

Division of Corporations
Business Filings

P. O. Box 718
Frankfort, KY 40602
(502) 564-2848
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication Number: 67612

Jurisdiction: Kentucky

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to authenticate this certificate.

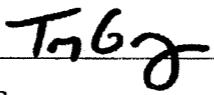
I, **Trey Grayson**, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State, **NEW CINGULAR WIRELESS PCS, LLC**

, a limited liability company organized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky and received the authority to transact business in Kentucky on October 14, 1999.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 275.190 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 22nd day of July, 2008.





Trey Grayson
Secretary of State
Commonwealth of Kentucky
67612/0481848

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AT&T WIRELESS PCS, LLC", CHANGING ITS NAME FROM "AT&T WIRELESS PCS, LLC" TO "NEW CINGULAR WIRELESS PCS, LLC", FILED IN THIS OFFICE ON THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 11:07 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 7:30 O'CLOCK P.M.

2445544 8100

040770586



Harriet Smith Windsor

Harriet Smith Windsor, Secretary

AUTHENTICATION: 3434823

DATE: 10 26 04

State of Delaware
Secretary of State
Division of Corporations
Delivered 11:20 AM 10/26/2004
FILED 11:07 AM 10/26/2004
SRV 040770586 - 2445544 FILE

CERTIFICATE OF AMENDMENT
TO THE CERTIFICATE OF FORMATION
OF
AT&T WIRELESS PCS, LLC

1. The name of the limited liability company is AT&T Wireless PCS, LLC (the "Company").
2. The Certificate of Formation of the Company is amended by deleting the first paragraph in its entirety and replacing it with a new first paragraph to read as follows:

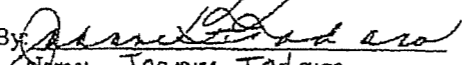
"FIRST: The name of the limited liability company is New Cingular Wireless PCS, LLC."
3. The Certificate of Amendment shall be effective at 7:30 p.m. EDT on October 26, 2004.

[Signature on following page]

IN WITNESS WHEREOF, AT&T Wireless PCS, LLC has caused this Certificate of Amendment to be executed by its duly authorized Manager this 26th day of October, 2004.

AT&T WIRELESS PCS, LLC

By: Cingular Wireless LLC, its Manager

By: 
Name: Joanne Todaro
Title: Assistant Secretary

STATE OF DELAWARE
CERTIFICATE OF FORMATION OF
AT&T WIRELESS PCS, LLC

The undersigned authorized person hereby executes the following Certificate of Formation for the purpose of forming a limited liability company under the Delaware Limited Liability Company Act.

FIRST The name of the limited liability company is AT&T Wireless PCS, LLC.

SECOND: The address of its registered office in the State of Delaware is Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.

DATED this 7 day of September, 1999.

AT&T WIRELESS SERVICES, INC.,
As Authorized Person



Mark U. Thomas, Vice President

SHEET 1	
	- VICINITY AND 500' STRUCTURAL MAP
	- ABUTTING PROPERTY OWNERS
	- U.S.G.S. QUAD MAP
SHEET 2	
	- PROPOSED LEASE AREA
	- LEGAL DESCRIPTIONS
	- FLOOD ZONE DATA

COORDINATE POINT LOCATION
 NAD 1983
 LATITUDE: 36° 40' 56.30"
 LONGITUDE: 88° 44' 18.57"
 NAVD 1988
 ELEVATION: 432' AMSL
 KENTUCKY STATE PLANE COORDINATE SOUTH ZONE
 (BLUE MARBLE GEOGRAPHIC CALCULATOR VERSION 3.0)
 NORTHING: 1781332.883
 EASTING: 764200.188

POWER POLE
 UTILITY COMPANY: WESTERN KENTUCKY RURAL ELECTRIC
 IDENTIFICATION #: N/A

PROJECT BENCHMARK
 NORTH: 1781358.106
 EAST: 764265.224
 ELEVATION: 432.393
 LOCATION: BEING A SPIKE SET IN AN EXISTING UTILITY POLE, 16'± EAST OF THE PROPOSED LEASE AREA

SYMBOL LEGEND

	WOOD POWER POLE
	LIGHT POLE
	GUY POLE
	TELEPHONE PEDESTAL
	GUY ANCHOR
	SANITARY SEWER MANHOLE
	DRAIN SEWER MANHOLE
	CENTERLINE
	MANHOLE
	WATER VALVE
	WATER METER
	FIRE HYDRANT
	ELECTRIC BOX
	F.P. FENCE POST
	SET #5 REBAR (UNLESS OTHERWISE NOTED)
	EXISTING #5 REBAR (UNLESS OTHERWISE NOTED)

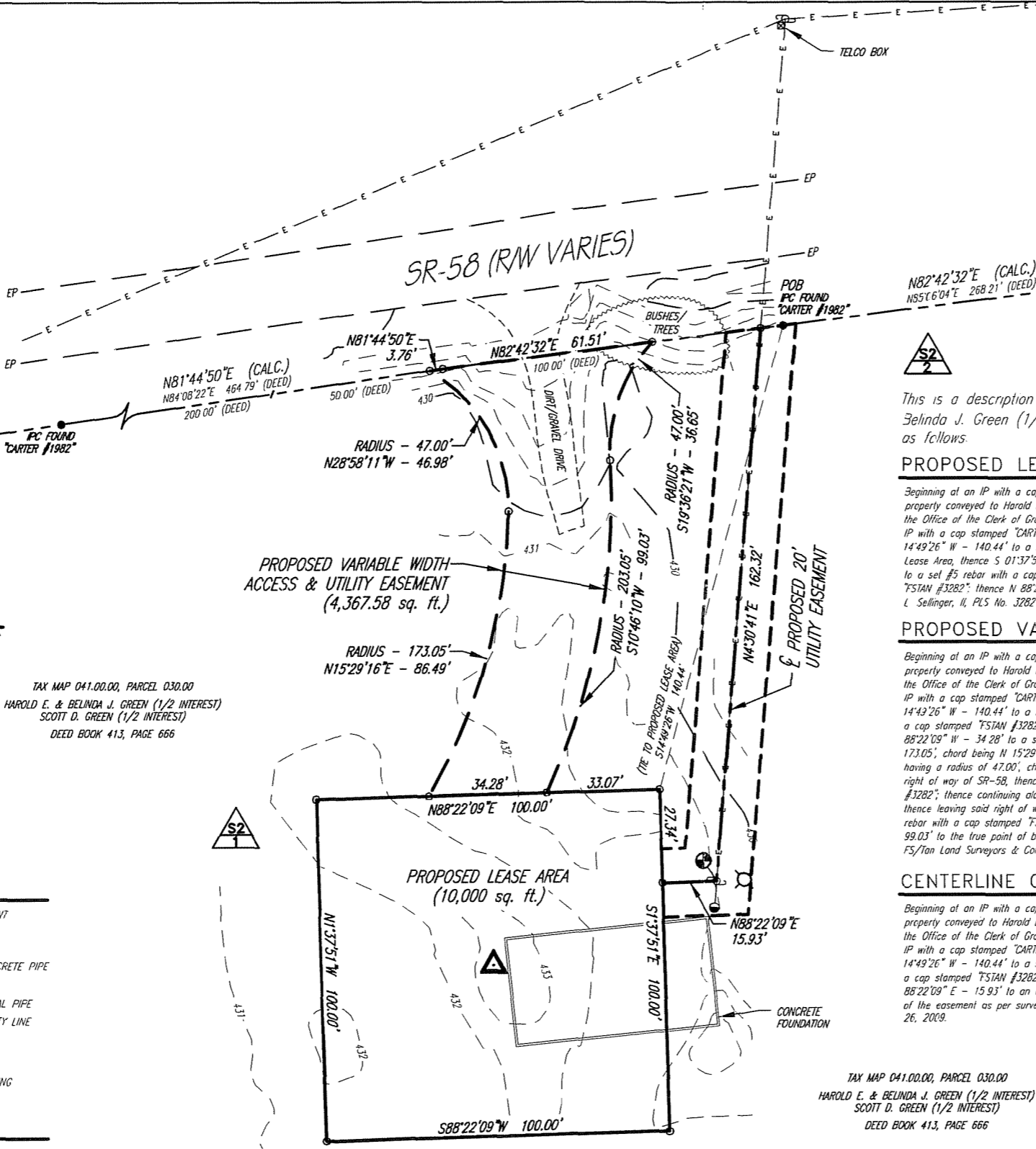
ABBREVIATIONS

EP	EDGE OF PAVEMENT
ROW	RIGHT OF WAY
CL	CENTERLINE
RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
SR	SUBJECT PROPERTY LINE
TC	TOP OF CURB
BC	BOTTOM OF CURB
POB	POINT OF BEGINNING
IPC	IRON PIN CAPPED

LINE LEGEND

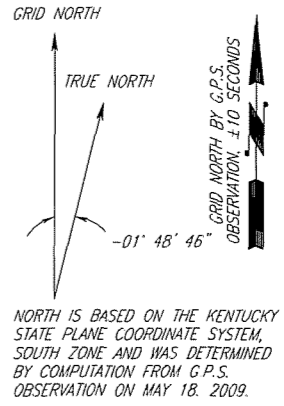
—E—E—E—	OVERHEAD ELECTRIC
—G—G—G—	UNDERGROUND GAS LINE
—W—W—W—	UNDERGROUND WATER LINE
—E/T—E/T—E/T—	OVERHEAD ELECTRIC & TELEPHONE LINE
—T—T—T—	OVERHEAD TELEPHONE LINE
—D—D—D—	DRAINAGE/STORM SEWER LINE
—X—X—X—	EXISTING FENCE
—XX—XX—XX—	PROPOSED FENCE
---	SUBJECT PROPERTY BOUNDARY
---	RIGHT OF WAY CENTERLINE

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



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 plot, prepared by FSIAN 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.



LEGAL DESCRIPTIONS:

This is a description for AT&T, of an area to be leased from the property of Harold E. & Belinda J. Green (1/2 interest) and Scott D. Green (1/2 interest), which is further described as follows.

PROPOSED LEASE AREA

Beginning at an IP with a cap stamped "CARTER #1982" found on the South right of way of SR-58, being also the North line of the property conveyed to Harold E. & Belinda J. Green (1/2 interest) and Scott D. Green (1/2 interest) in Deed Book 413, Page 666, in the Office of the Clerk of Graves County, Kentucky, said rebar being N 81°44'50" E - 250.00', N 82°42'32" E - 100.00' from a on IP with a cap stamped "CARTER #1982" found on said right of way, thence leaving said right of way and traversing said property, S 14°49'26" W - 140.44' to a set #5 rebar with a cap stamped "TSTAN #3282" and the TRUE POINT OF BEGINNING of the Proposed Lease Area, thence S 01°37'51" E - 100.00' to a set #5 rebar with a cap stamped "TSTAN #3282", thence S 88°22'09" W - 100.00' to a set #5 rebar with a cap stamped "TSTAN #3282", thence N 01°37'51" E - 100.00' to a set #5 rebar with a cap stamped "TSTAN #3282", thence N 88°22'09" E - 100.00' to the true point of beginning, containing 10,000 square feet as per survey by Frank L. Sellinger, II, PLS No. 3282 with FS/Tan Land Surveyors & Consulting Engineers, dated May 26, 2009.

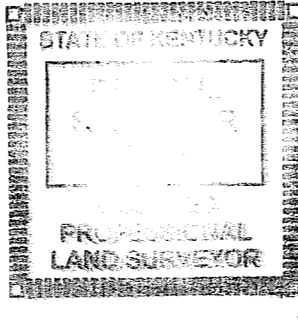
PROPOSED VARIABLE WIDTH ACCESS & UTILITY EASEMENT

Beginning at an IP with a cap stamped "CARTER #1982" found on the South right of way of SR-58, being also the North line of the property conveyed to Harold E. & Belinda J. Green (1/2 interest) and Scott D. Green (1/2 interest) in Deed Book 413, Page 666, in the Office of the Clerk of Graves County, Kentucky, said rebar being N 81°44'50" E - 250.00', N 82°42'32" E - 100.00' from a on IP with a cap stamped "CARTER #1982" found on said right of way, thence leaving said right of way and traversing said property, S 14°49'26" W - 140.44' to a set #5 rebar with a cap stamped "TSTAN #3282", thence S 88°22'09" W - 33.07' to a set #5 rebar with a cap stamped "TSTAN #3282" and the TRUE POINT OF BEGINNING of the Proposed Variable Width Access & Utility Easement, thence S 88°22'09" W - 34.28' to a set #5 rebar with a cap stamped "TSTAN #3282", thence with a curve to the left having a radius of 173.05', chord being N 15°28'16" E - 86.49' to a set #5 rebar with a cap stamped "TSTAN #3282", thence with a curve to the left having a radius of 47.00', chord being N 28°58'11" W - 46.98' to a set #5 rebar with a cap stamped "TSTAN #3282" on said South right of way of SR-58, thence along said right of way, N 81°44'50" E - 3.76' to a set #5 rebar with a cap stamped "TSTAN #3282"; thence continuing along said right of way, N 82°42'32" E - 61.51' to a set #5 rebar with a cap stamped "TSTAN #3282"; thence leaving said right of way with a curve to the left, having a radius of 47.00', chord being S 19°36'21" W - 36.65' to a set #5 rebar with a cap stamped "TSTAN #3282"; thence with a curve to the right having a radius of 203.05', chord being S 10°46'10" W - 99.03' to the true point of beginning, containing 4,367.58 square feet as per survey by Frank L. Sellinger, II, PLS No. 3282 with FS/Tan Land Surveyors & Consulting Engineers, dated May 26, 2009.

CENTERLINE OF PROPOSED 20' UTILITY EASEMENT

Beginning at an IP with a cap stamped "CARTER #1982" found on the South right of way of SR-58, being also the North line of the property conveyed to Harold E. & Belinda J. Green (1/2 interest) and Scott D. Green (1/2 interest) in Deed Book 413, Page 666, in the Office of the Clerk of Graves County, Kentucky, said rebar being N 81°44'50" E - 250.00', N 82°42'32" E - 100.00' from a on IP with a cap stamped "CARTER #1982" found on said right of way, thence leaving said right of way and traversing said property, S 14°49'26" W - 140.44' to a set #5 rebar with a cap stamped "TSTAN #3282", thence S 01°37'51" E - 27.34' to a set #5 rebar with a cap stamped "TSTAN #3282" and the TRUE POINT OF BEGINNING of the Centerline of the Proposed 20' Utility Easement, thence N 88°22'09" E - 15.93' to an existing utility pole, thence N 04°30'41" E - 162.32' to said South right of way of SR-58, and the end of the easement as per survey by Frank L. Sellinger, II, PLS No. 3282 with FS/Tan Land Surveyors & Consulting Engineers, dated May 26, 2009.

SURVEYORS NOTES
 SOURCE OF BEARING IS A G.P.S. OBSERVATION ON MAY 18, 2009.
 SOURCE OF ROTATION BASED ON A LINE RUNNING BETWEEN TWO CAPPED IRON PINS (CARTER #1982) FOUND ON THE SOUTH RIGHT OF WAY OF SR-58, (BEING ALSO THE NORTH LINE OF THE GREEN PROPERTY, AS RECORDED IN DEED BOOK 413, PAGE 666.) AND HAVING THE CALCULATED BEARING OF N 82°01'19" E.
 SITE SHOWN SUBJECT TO RIGHT OF WAYS AND EASEMENTS 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.
 THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.
 EXISTING CONTOURS ARE AT ONE FOOT INTERVALS.



LAND SURVEYOR'S CERTIFICATE
 TYPE "A" SURVEY: UNADJUSTED TRAVERSE CLOSURE BETTER THAN 1 IN 37,100
 TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED I hereby certify that this plot 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 plot 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

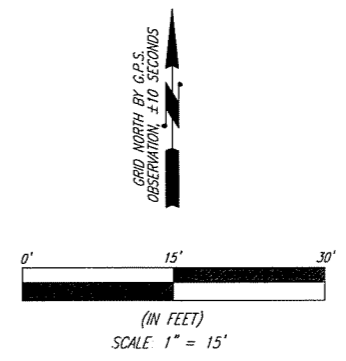
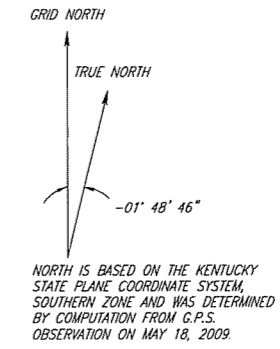
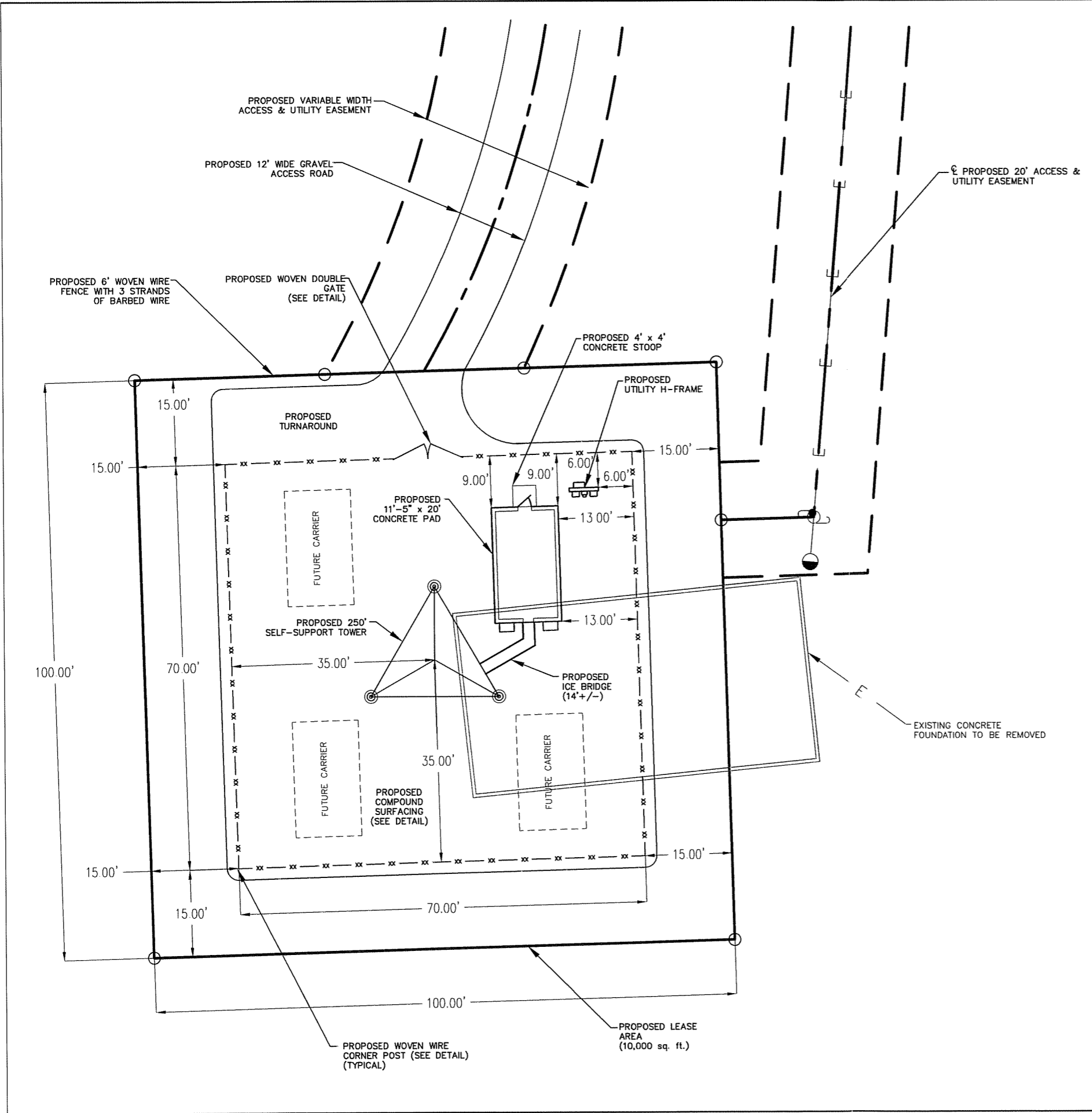
"CELLULAR COMMUNICATION TOWER SITE SURVEY"
 REFERENCED AS "EXHIBIT B"
 OWNER APPROVAL: _____ DATE _____
 AT&T APPROVAL: _____ DATE _____
 I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 2102820005A DATED 12.01.92 AND THE PROPOSED LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA. THE PROPOSED LEASE AREA IS LOCATED IN ZONE X

at&t
nsoro
 it's just good business.
 A M A S T E C COMPANY

FSIAN
 F.S. Land Company
 T. Alan Neal Company
 Land Surveyors and Consulting Engineers
 PO Box 17546 23131/2315 Crittenden Drive
 Louisville, KY 40217
 Phone: (502) 635-5866 (502) 635-5111
 Fax: (502) 635-5263

SITE NUMBER:	339G0157	
SITE NAME:	PRYORSBURG	
SITE ADDRESS:	SR-58 MAYFIELD, KY 42066	
PROPOSED LEASE AREA:	10,000 sq ft	
PROPERTY OWNER:	HAROLD E. & BELINDA J. GREEN (1/2 INTEREST) SCOTT D. GREEN (1/2 INTEREST) 3133 SR-58 MAYFIELD, KY 42066	
TAX MAP NUMBER:	041.00.00	
PARCEL NUMBER:	030.00	
SOURCE OF TITLE:	DEED BOOK 413, PAGE 666	
DWG BY:	CHKD BY:	DATE:
DJG	FSII	05.26.09
FSIAN PROJECT NO:	09-5976	

SHEET 2 OF 2
REVISIONS:
 C2

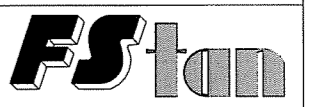


- NOTES**
1. REMOVE ALL VEGETATION & CLEAN AREA W/ LEASE AREA (WHERE REQUIRED)
 2. FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE W/ A SLOPE OF NO LESS THAN ONE EIGHTH (1/8") PER FOOT FLOWING AWAY FROM EQUIP. FOR A MIN. DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS.
 3. LOCATE ALL U.G. UTILITIES PRIOR TO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

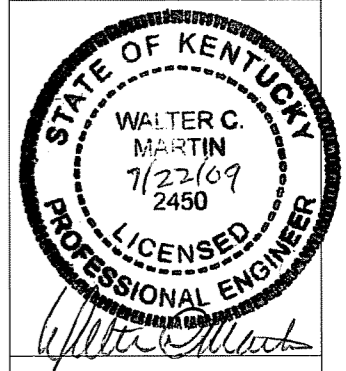
LINE LEGEND

-----	EXISTING CONTOURS
-----	PROPOSED CONTOURS
-E-E-E-	OVERHEAD ELECTRIC
-G-G-G-	UNDERGROUND GAS LINE
-W-W-W-	UNDERGROUND WATER LINE
-S-S-S-	PROPOSED SILT FENCE LINE
-T-T-T-	OVERHEAD TELEPHONE LINE
-D-D-D-	DRAINAGE/STORM SEWER LINE
-X-X-X-	FENCE LINE
-----	SUBJECT PROPERTY BOUNDARY
-----	RIGHT OF WAY CENTERLINE

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



F.S. Land Company
T. Alan Neal Company
Land Surveyors and Consulting Engineers
PO Box 17546 2313/2315 Crittenden Drive
Louisville, KY 40217
Phone: (502) 635-5866 (502) 636-5111
Fax: (502) 636-5263



SITE NUMBER: 339G0157

SITE NAME: PRYORSBURG

SITE ADDRESS: SR-58
MAYFIELD, KY 42066

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

PROPERTY OWNER: HAROLD E. & BELINDA J. GREEN (1/2 INTEREST)
SCOTT D. GREEN (1/2 INTEREST)
3133 SR-58
MAYFIELD, KY 42066

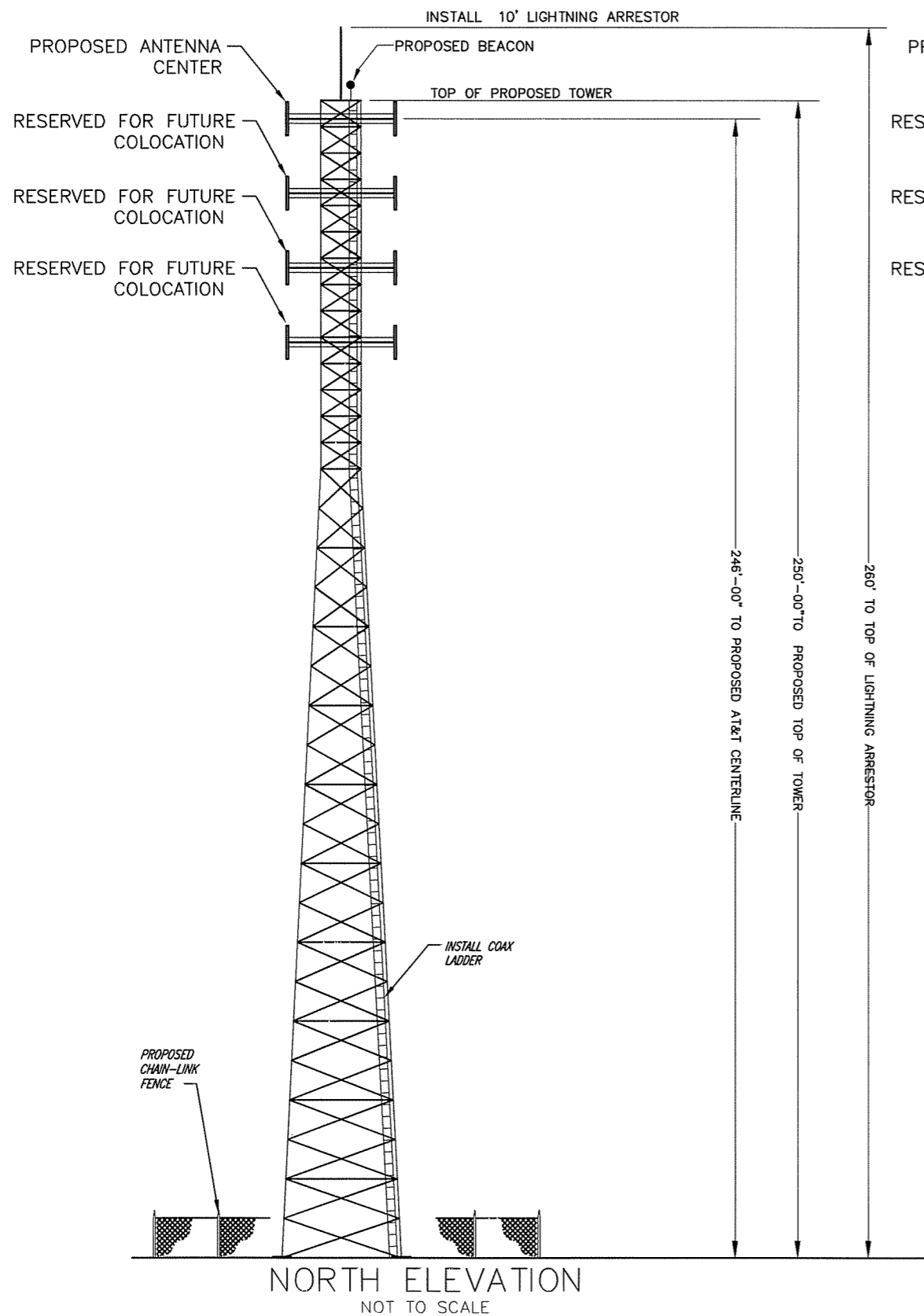
DWG BY: MG CHKD BY: JMW DATE: 06.01.09

FSTAN PROJECT NO.: 09-5977

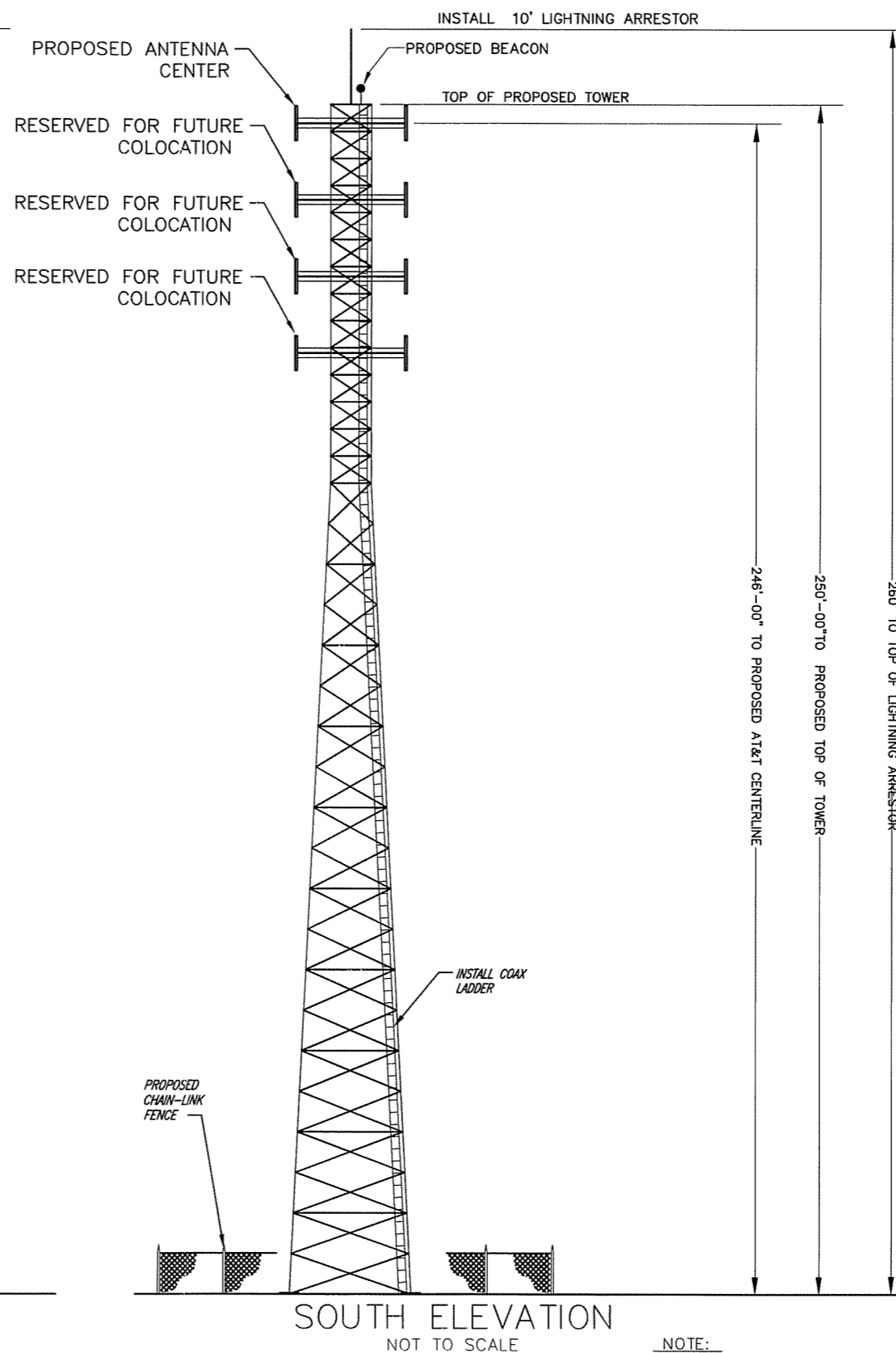
SHEET 2-3 OF 6

REVISIONS:

SITE LAYOUT
PRYORSBURG
SITE ID# 339G0157
SITE ADDRESS: SR-58
MAYFIELD, KY 42066
OWNER ADDRESS: 3133 SR-58
MAYFIELD, KY 42066



NORTH ELEVATION
NOT TO SCALE



SOUTH ELEVATION
NOT TO SCALE

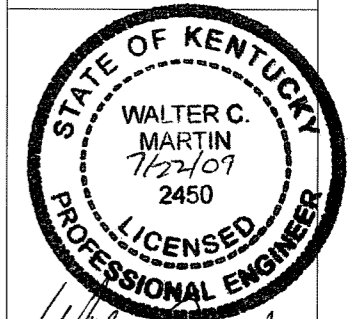
NOTE:
THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR PICTORIAL PURPOSES ONLY. THIS DESIGN WAS PROVIDED BY OTHERS. REFER TO TOWER PLANS FOR TOWER DESIGN.

COAX LADDER TO BE CONSTRUCTED PER STRUCTURAL ANALYSIS.

CONTRACTOR IS RESPONSIBLE FOR REVIEWING STRUCTURAL & INSTALLING COAX PER STRUCTURAL ANALYSIS. NSORO REPRESENTATIVE WILL PROVIDE GENERAL CONTRACTOR WITH STRUCTURAL ANALYSIS.



F.S. Land Company
T. Alan Neal Company
Land Surveyors and Consulting Engineers
PO Box 17546 2313/2315 Crittenden Drive
Louisville, KY 40217
Phone: (502) 635-5866 (502) 636-5111
Fax: (502) 636-5263



SITE NUMBER: 339G0157

SITE NAME: PRYORSBURG

SITE ADDRESS: SR-58
MAYFIELD, KY 42066

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

PROPERTY OWNER:
HAROLD E. & BELINDA J. GREEN
(1/2 INTEREST)
SCOTT D. GREEN
(1/2 INTEREST)
3133 SR-58
MAYFIELD, KY 42066

DWG BY: MG	CHKD BY: JMW	DATE: 06.01.09
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FSAN PROJECT NO.: 09-5977

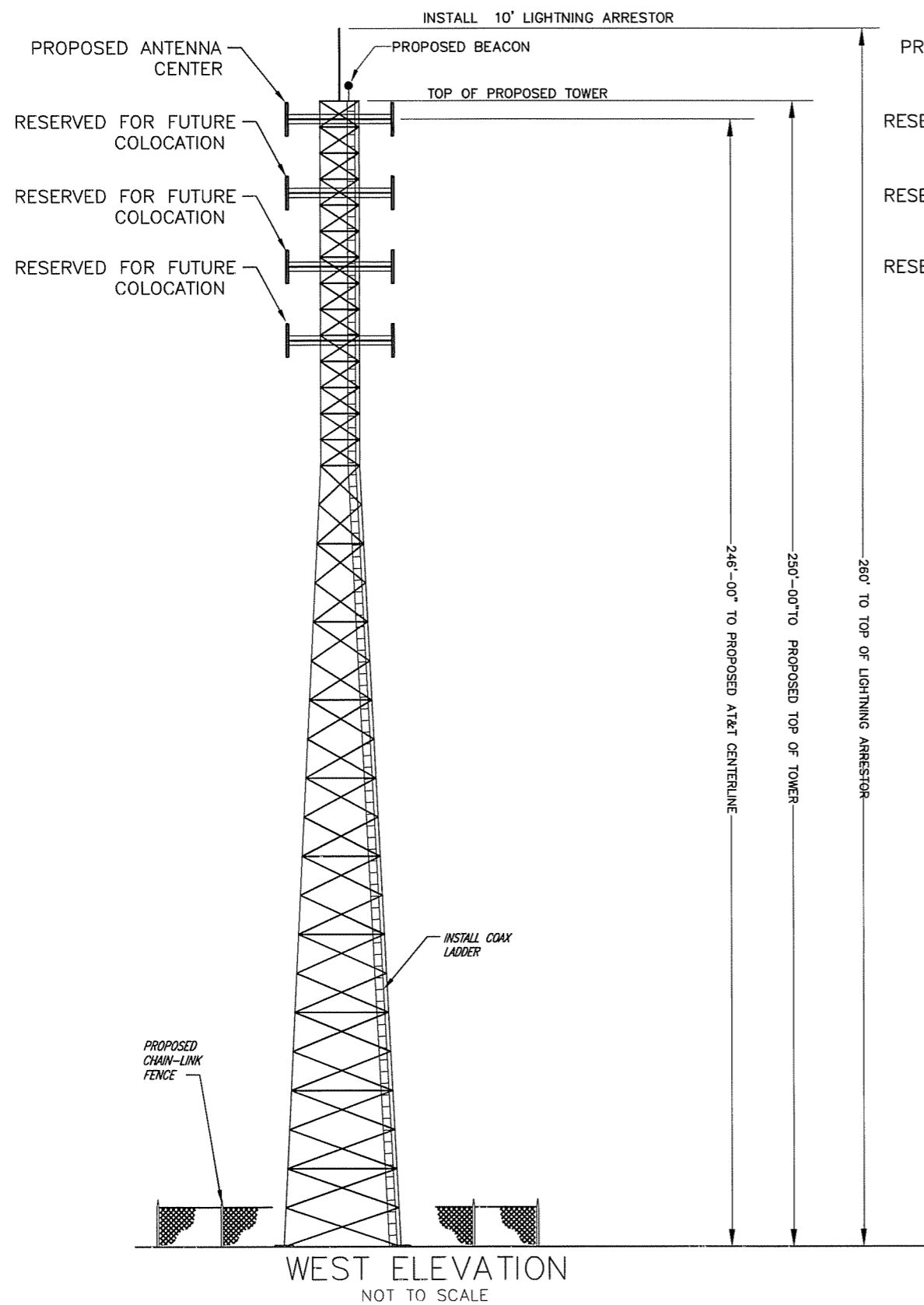
SHEET Z-4 OF 6

REVISIONS:

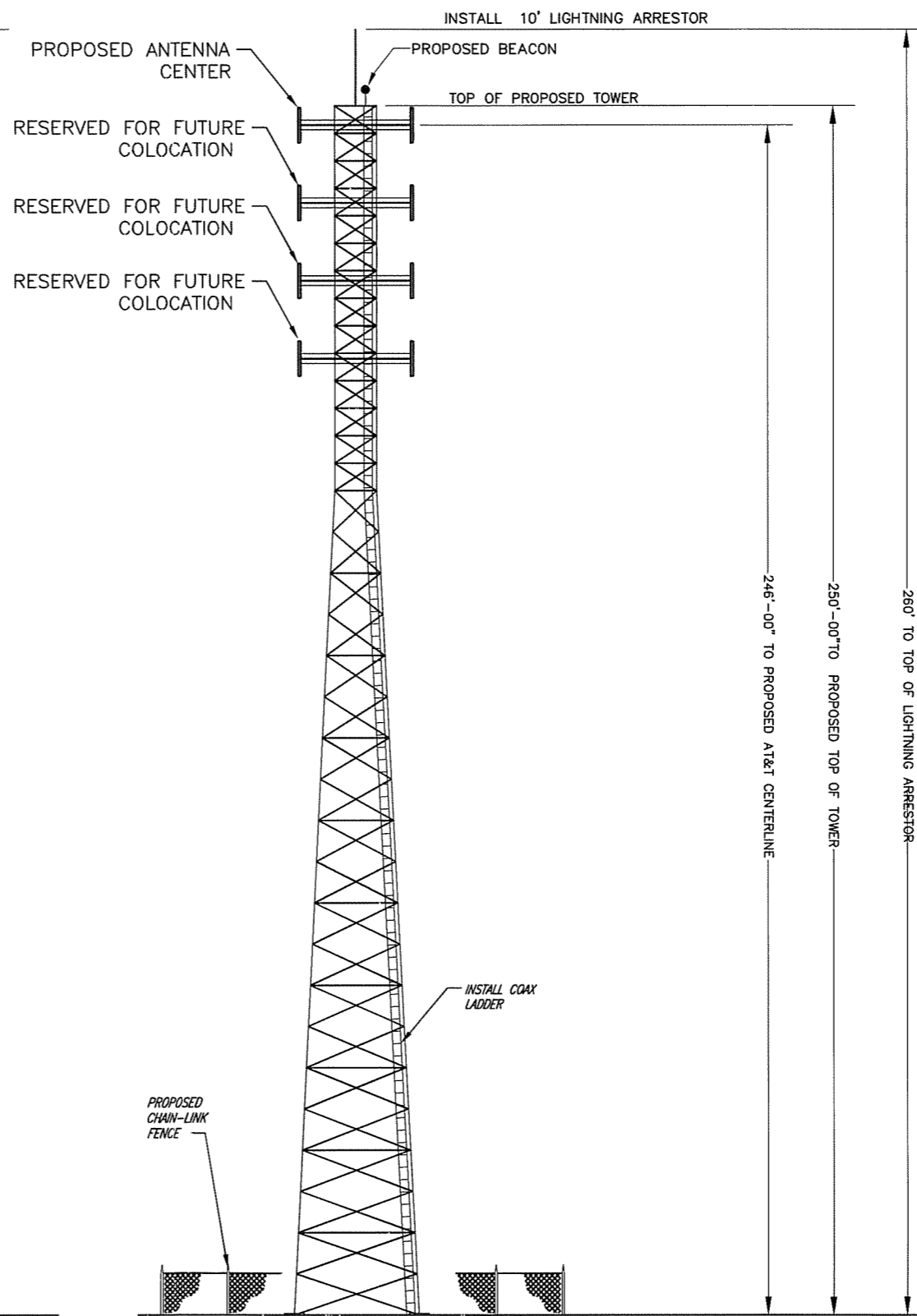
NORTH & SOUTH ELEVATION

PRYORSBURG
SITE ID# 339G0157

SITE ADDRESS: SR-58
MAYFIELD, KY 42066
OWNER ADDRESS: 3133 SR-58
MAYFIELD, KY 42066



WEST ELEVATION
NOT TO SCALE

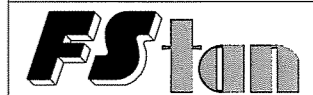


EAST ELEVATION
NOT TO SCALE

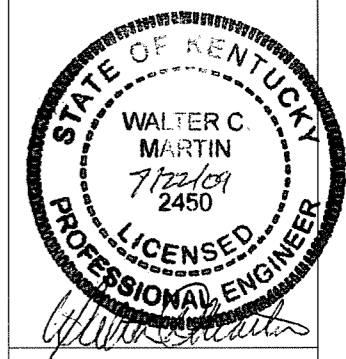
NOTE:
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COAX LADDER TO BE CONSTRUCTED PER STRUCTURAL ANALYSIS.

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SITE NUMBER: 339G0157

SITE NAME: PRYORSBURG

SITE ADDRESS: SR-58
MAYFIELD, KY 42066

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

PROPERTY OWNER:
HAROLD E. & BELINDA J. GREEN
(1/2 INTEREST)
SCOTT D. GREEN
(1/2 INTEREST)
3133 SR-58
MAYFIELD, KY 42066

DWG BY: MG	CHKD BY: JMW	DATE: 06.01.09
---------------	-----------------	-------------------

FSTAN PROJECT NO.: 09-5977

SHEET Z-5 OF 6

REVISIONS:

WEST & EAST ELEVATION

PRYORSBURG
SITE ID# 339G0157


SITE ADDRESS: SR-58
MAYFIELD, KY 42066
OWNER ADDRESS: 3133 SR-58
MAYFIELD, KY 42066



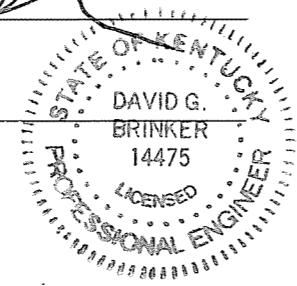
6718 W Plank Road
Peoria, IL 61604 USA
Phone 309-697-4400
FAX 309-697-5612
Toll Free 800-727-ROHN

PURCHASER: AMERICAN TOWER CORPORATION
NAME OF PROJECT: PRYORSBURG, GRAVES COUNTY,
KENTUCKY
250 FT. MODEL SSVMW TOWER
FILE NUMBER: 0606409
DRAWING NUMBER: A090561

I CERTIFY THAT THE ATTACHED DRAWING AND CALCULATIONS WERE
PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH THE
LOADING CRITERIA SPECIFIED BY THE PURCHASER AND THAT I AM A
REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
OF KENTUCKY

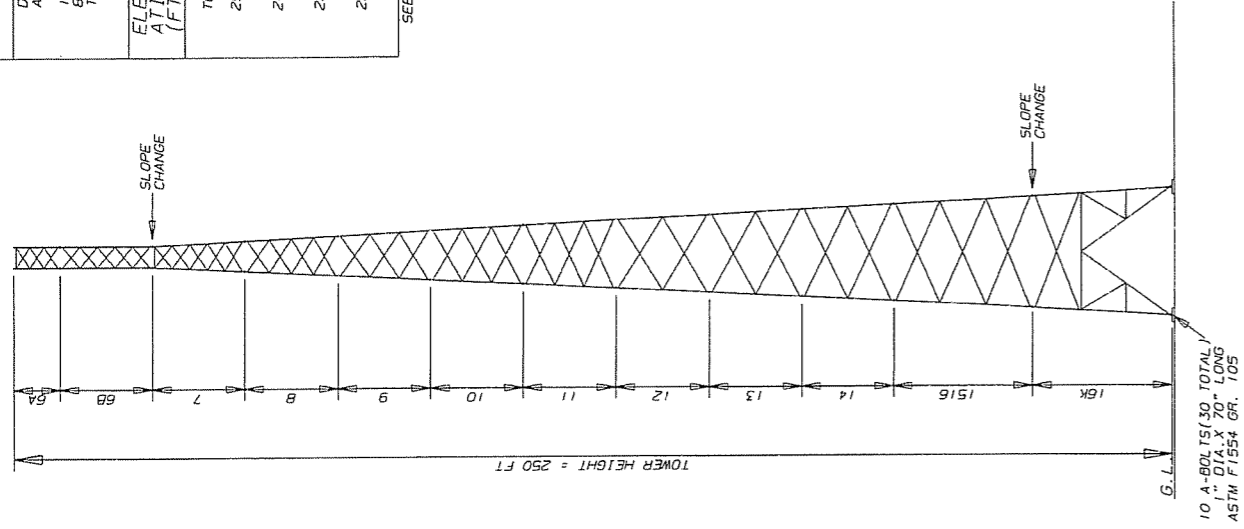
CERTIFIED BY: 

DATE: 7-6-09



TOWER DESIGN LOADING		
DESIGN WIND LOAD PER 2006 INTERNATIONAL BUILDING CODE USING ANSITIA/EIA-222-F-1986 IN ACCORDANCE WITH SECTION 3106.4.		
100 MPH 3-SECOND GUST WIND SPEED (1/2" RADIAL ICE LOAD)		
80 MPH FASTEST MILE WIND SPEED (1/2" RADIAL ICE LOAD)		
THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:		
ELEV. - ATION (FT)	ANTENNA TYPE	LINE SIZE (NOM)
TOP	LIGHTS-L-ROD	(113/4"
250	115 SO.FT. EPA LOAD(ND ICE) 135 SO.FT. EPA LOAD (W/ICE)	(1211-5/8"
240	115 SO.FT. EPA LOAD(ND ICE) 135 SO.FT. EPA LOAD (W/ICE)	(1211-5/8"
230	115 SO.FT. EPA LOAD(ND ICE) 135 SO.FT. EPA LOAD (W/ICE)	(1211-5/8"
220	115 SO.FT. EPA LOAD(ND ICE) 135 SO.FT. EPA LOAD (W/ICE)	(1211-5/8"

SEE STRESS ANALYSIS FOR A COMPLETE LISTING OF ALL LOADS ON TOWER

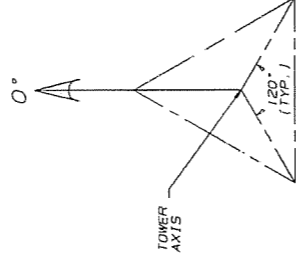


TOWER REACTIONS	
COMPRESSION	= 396.2 KIPS
TENSION	= 341.7 KIPS
TOTAL SHEAR	= 9045.7 FT-R/IPS

SECTION MEMBER SCHEDULE		
SECTION	LEG	BRACE
6A	PIPE2-5STD	L 1.75X3/16
6B	PIPE4-0E.H	L 2.5X3/16
7	PIPE3-0E.H	L 2.5X3/16
8	PIPE3-0E.H	L 2.5X3/16
9	PIPE3-0E.H	L 2.5X3/16
10	PIPE3-0E.H	L 2.5X3/16
11	PIPE3-0E.H	L 3X3X1/16
12	PIPE3-0E.H	L 3X3X1/16
13	PIPE3-0E.H	L 3X3X1/4
14	PIPE3-0E.H	L 3X3X1/4
15	PIPE3-0E.H	L 3X3X1/4
16K	PIPE3-0E.H	L 4X4X1/4
		L 1/2X1/4
		L 1/2X1/4
		PIPE2-5STD(H)

NOTE: (H) REPRESENTS THE HORIZONTAL BRACE
NOTE: SECTION NUMBERS ARE FOR REFERENCE ONLY
FOR NOMINAL FACE WIDTH DIMENSIONS,
REFER TO STRESS ANALYSIS.

TUBULAR MEMBER PROPERTIES		
MEMBER	O.D.	THICK.
	LINE	LINE
PIPE2-5STD	2.875	0.210
PIPE3-0E.H	3.500	0.315
PIPE4-0E.H	4.500	0.337
PIPE5-0E.H	5.563	0.375
PIPE6-0E.H	6.625	0.340
PIPE7-0E.H	6.625	0.432
PIPE8-0E.H	8.625	0.500



TOWER CONFIGURATION

N.T.S.

- GENERAL NOTES**
- ROHN COMMUNICATION TOWER DESIGNS CONFORM TO ANSITIA/EIA-222-F UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN AND HAS BEEN ASSUMED TO BE BASED ON SITE SPECIFIC DATA IN ACCORDANCE WITH ANSITIA/EIA-222-F AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION. ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED. TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
 - WORK SHALL BE IN ACCORDANCE WITH ANSITIA/EIA-222-F, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES".
 - THE MINIMUM YIELD STRENGTH OF STRUCTURAL STEEL MEMBERS SHALL BE 50 KSI, EXCEPT AS NOTED BELOW.
 - ANGLE BRACES L1.75X3/16 THRU L3X3X3/16 SHALL BE 36 KSI. STRUCTURAL PLATES SHALL BE 36 KSI. NO FIELD WELDS SHALL BE ALLOWED.
 - FIELD CONNECTIONS SHALL BE BOLTED.
 - STRUCTURAL BOLTS SHALL CONFORM TO ASTM A-325, EXCEPT WHERE NOTED.
 - PAL NUTS SHALL BE PROVIDED FOR ALL TOWER BOLTS.
 - STRUCTURAL STEEL AND CONNECTION BOLTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH ANSITIA/EIA-222-F.
 - ALL HIGH STRENGTH BOLTS ARE TO BE TIGHTENED TO A "SNUGTIGHT CONDITION AS DEFINED IN THE NOVEMBER 13, 1985, AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". NO OTHER MINIMUM BOLT TENSION OR TORQUE VALUES ARE REQUIRED.
 - PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL STATE AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
 - TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1/4" OR MINUS 1/2".
 - DESIGN ASSUMES THAT AS A MINIMUM MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSITIA/EIA-222-F.
 - DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
 - NOMINAL FACE WIDTHS ARE TABULATED IN COLUMN 12 OF THE SELF-SUPPORTING TOWER ANALYSIS. THESE WIDTHS ARE NOMINAL. FINAL FACE WIDTHS WILL VARY.
 - FOUNDATIONS SHALL BE DESIGNED TO SUPPORT THE REACTIONS SHOWN FOR THE CONDITIONS EXISTING AT THE SITE.

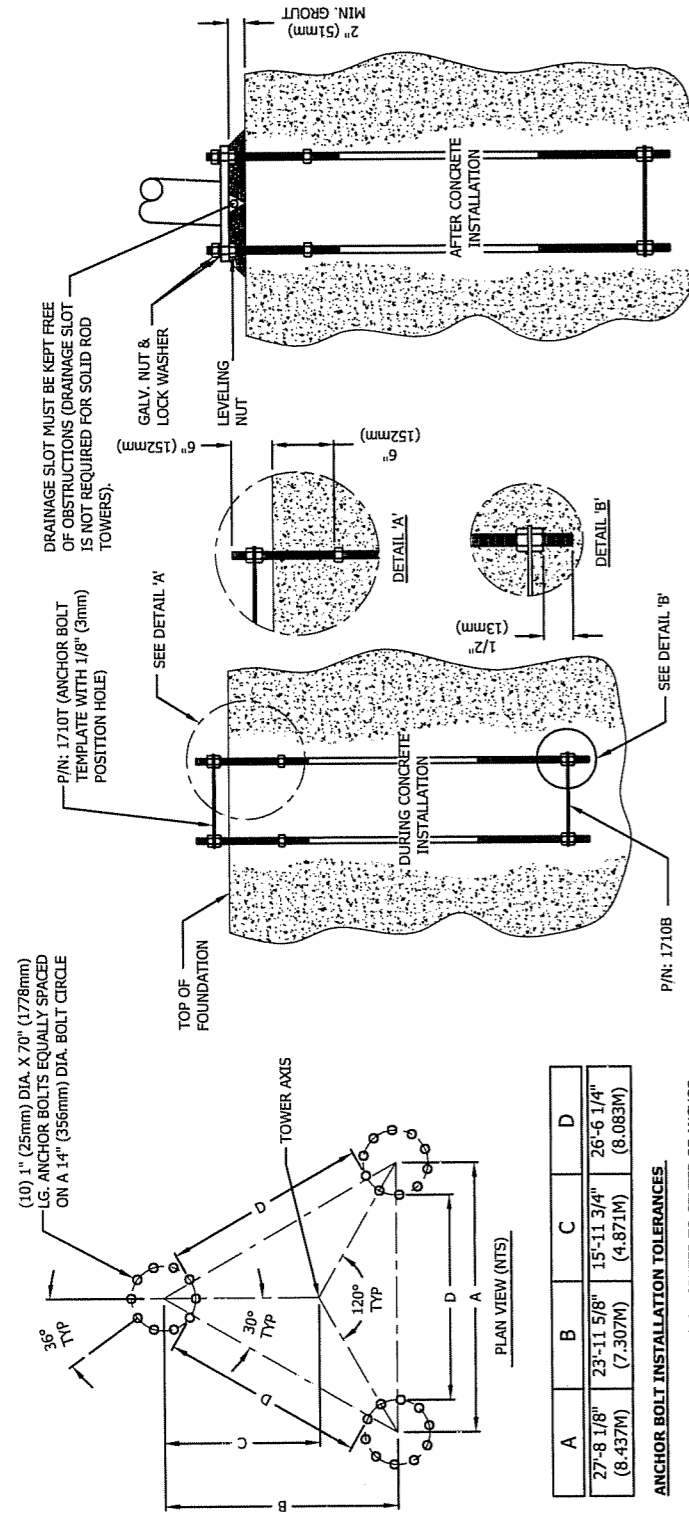
SITE: PRYORSBURG
COUNTY: GRAVES, KY

No. & Revision Description		Drawn By	Date	Checked By	App. Eng.	Parent File
1	THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.	ROHN	07/06/09	ROHN	060-6409	59256EH
▲ Date ▲ Rev. By ▲ Chg. By ▲ App. By		250' SSVMW TOWER DESIGN				
		AMERICAN TOWER CORPORATION				
		ENG. FILE: 060-6409				
		DWG. NO.: A090561				
		SHEET 1 OF 1				

REV.

FILE NO.	Standard-SSV
REVISIONS	
DESCRIPTION	DWN CHK APP
REV.	

DWG REFERENCE	



- NOTES**
1. ALL ANCHOR BOLTS MUST MEET OR EXCEED REQUIREMENTS OF A.S.T.M. F1554-S2, S5 GRADE 105.
 2. GROUT TO BE 5000 PSI MIN. ULTIMATE STRENGTH/7 DAY.
 3. NON-SHRINKING AND NON-METALLIC.
 4. SPECIAL CARE MUST BE TAKEN WHEN LIFTING ANCHOR BOLT CLUSTER, IN ORDER TO PREVENT ANCHOR BOLT TEMPLATE DISTORTION.
 5. ANCHOR BOLT ASSEMBLY MUST BE ADEQUATELY SUPPORTED AND RESTRAINED TO PREVENT MOVEMENT OF THE CLUSTER DURING CONCRETE INSTALLATION.
 6. CONTRACTOR TO VERIFY THAT THE CORRECT ANCHOR BOLT TEMPLATE AND FOUNDATION SHOWN ON RESPECTIVE SITE DRAWINGS ARE BEING USED.
 7. IT IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER TO INSURE THAT THE ANCHORAGES PROVIDED ARE COMPATIBLE WITH THE PROPOSED FOUNDATION DESIGNS AND THAT THE CAPACITIES OF THE ANCHORAGES ARE NOT LIMITED BY THE STRENGTH OF THE FOUNDATIONS.

ANCHOR BOLT INSTALLATION TOLERANCES

	A	B	C	D
1. FACE SPREAD DIMENSION CENTER-TO-CENTER OF ANCHOR BOLT CIRCLES - PLUS OR MINUS 1/16" (2mm) OR 1/16" (2mm) PER 20 FT. (6m) OF FACE SPREAD.	27'-8 1/8" (8.437M)	23'-11 5/8" (7.307M)	15'-11 3/4" (4.871M)	26'-6 1/4" (8.083M)

1. FACE SPREAD DIMENSION CENTER-TO-CENTER OF ANCHOR BOLT CIRCLES - PLUS OR MINUS 1/16" (2mm) OR 1/16" (2mm) PER 20 FT. (6m) OF FACE SPREAD.
2. MAXIMUM DIFFERENCE BETWEEN ANY TWO FOUNDATION ELEVATIONS - 1/2" (13mm).
3. CONCRETE DIMENSIONS - PLUS OR MINUS 1" (25mm).
4. DEPTH OF FOUNDATION - PLUS 3" (76mm) OR MINUS 0".
5. DRILLED FOUNDATIONS OUT OF PLUMB - 1.0 DEGREE.
6. REINFORCING STEEL PLACEMENTS - PER A.C.I. 301.
7. PROJECTION OF EMBEDMENTS - PLUS OR MINUS 1/8" (3mm).
8. VERTICAL EMBEDMENTS OUT OF PLUMB - 1/2 DEGREE.
9. MAXIMUM DISTANCE FROM CENTERLINE OF ANCHOR BOLTS TO CENTERLINE OF FOUNDATION - 1/24 OF PIER DIAMETER UP TO A MAXIMUM OF 2" (50mm).
10. ANCHOR BOLT SPACING - 1/16" (2mm).
11. ANCHOR BOLT CIRCLE ORIENTATION - 1/4 DEGREE.
12. ANCHOR BOLT CIRCLE DIAMETER - PLUS OR MINUS 1/16" (2mm).

!!! WARNING !!!
 - ENSURE DIMENSION 'D' IS CORRECT ON ALL FACES PRIOR TO PLACING CONCRETE.
 - AFTER ANCHOR BOLTS ARE INSTALLED AND CONCRETE HAS TAKEN ITS INITIAL SET, ANCHOR BOLTS MUST NOT BE MOVED, BENT OR REALIGNED IN ANY MANNER. A NUT LOCKING DEVICE MUST BE INSTALLED ON ALL ANCHOR BOLTS.

RQHN
 PRODUCTS
 6718 WEST PLANK ROAD
 PEORIA, IL 61614
 TOLL FREE 800-727-ROHN

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ANCHOR BOLT LAYOUT
 1" (25mm) Ø BOLTS (30H2768)

DWN:	JDA	CHK'D:	KTL	DATE:	Apr/25/2006
ENGR:		H.A			
DRAWING NO:	B060257				
REV:	0				

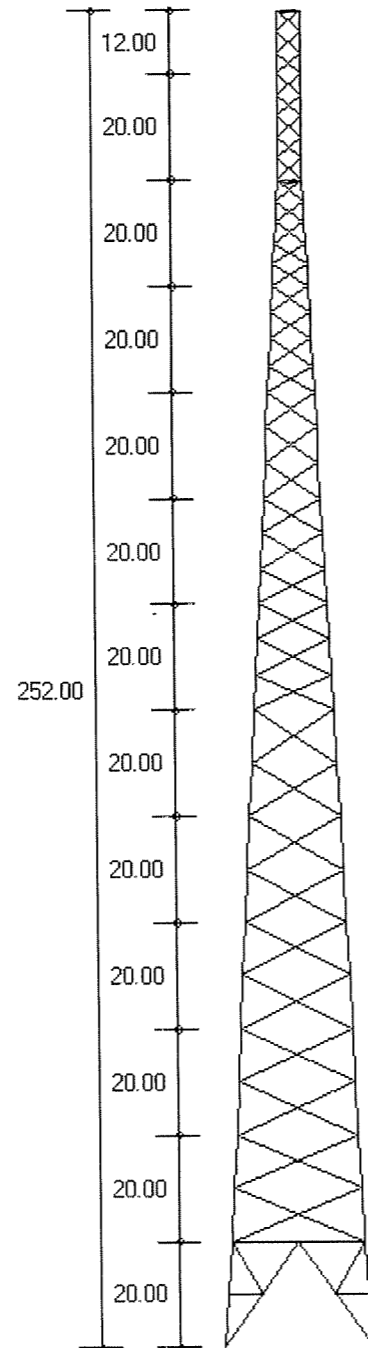
File: W:\Jobs\2009\060-6409\060-6409.out
Contract: 060-6409
Project: 250ft ROHN SSV Tower
Date and Time: 4/30/2009 9:35:58 AM

Revision: 0
Site: PRYORSBURG
Engineer: AMKW/DWG

DESIGN SPECIFICATION

Design Standard: TIA/EIA-222-F-1996
Basic Wind speed = 80.0 (mph) ✓
Service Wind speed = 50.0 (mph)
Ice thickness = 0.50 (in) ✓

Sct.	Length (ft)	Top Width (in)	Bot Width (in)
1	20.00	302.17	332.17
2	20.00	275.98	300.00
3	20.00	252.01	275.98
4	20.00	227.99	252.01
5	20.00	203.90	227.99
6	20.00	179.06	203.90
7	20.00	155.04	179.06
8	20.00	129.96	155.04
9	20.00	105.94	129.96
10	20.00	81.97	105.94
11	20.00	57.13	81.97
12	20.00	55.79	57.13
13	12.00	55.79	55.79



MAXIMUM BASE REACTIONS

	Bare	Iced
Download (Kips)	396.2	381.7
Uplift (Kips)	341.7	302.7
Shear (Kips)	38.2	36.3



TSTower - v 3.9.0 Tower Analysis Program
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Peoria, Illinois

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Contract: 060-6409
Project: 250ft ROHN SSV Tower
Date and Time: 4/30/2009 9:35:58 AM

Revision: 0
Site: PRYORSEBURG
Engineer: AMKW/DWG

Section A: PROJECT DATA

Project Title: 250ft ROHN SSV Tower
Customer Name: American Tower Corp
Site: PRYORSEBURG
Contract No.: 060-6409
Revision: 0
Engineer: AMKW/DWG
Date: Apr 30 2009
Time: 09:35:16 AM

Design Standard: TIA/EIA-222-F-1996

GENERAL DESIGN CONDITIONS

Start Wind direction: 0.00 (Deg)
End Wind direction: 330.00 (Deg) ✓
Increment wind direction: 30.00 (Deg)
Elevation above ground: 0.00 (ft)
Gust Response Factor Gh: 1.10
Material Density: 490.1 (lbs/ft³)
Young's Modulus: 29000.0 (ksi)
Poisson Ratio: 0.3
Weight Multiplier: 1.00
Allowable Stress Incr. Factor: 1.333
Increase allowable stress: Yes

WIND ONLY CONDITIONS:

Basic Wind Speed: 80.00 (mph) ✓

WIND AND ICE CONDITIONS:

Basic Wind Speed: 80.00 (mph)
Ice Thickness: 0.50 (in)
Ice density: 56.19 (lbs/ft³)
Wind pressure reduction
for iced conditions: 0.75

Analysis performed using: TowerSoft Finite Element Analysis Program



TSTower - v 3.9.0 Tower Analysis Program
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 Peoria, Illinois

File: W:\Jobs\2009\060-6409\060-6409.out
 Contract: 060-6409
 Project: 250ft ROHN SSV Tower
 Date and Time: 4/30/2009 9:35:58 AM

Revision: 0
 Site: PRYORSBURG
 Engineer: AMKW/DWG

Section B: STRUCTURE GEOMETRY

TOWER GEOMETRY

Cross-Section	Height (ft)	Tot Height (ft)	# of Section	Bot Width (in)	Top Width (in)
Triangular	252.00	252.00	13	332.17	55.79

SECTION GEOMETRY

Sec #	Sec. Name	Elevation		Widths		Legs (lbs)	Brcg. (lbs)	Masses			Brcg. Clear. (in)	
		Bottom (ft)	Top (ft)	Bottom (in)	Top (in)			Sec.Brc (lbs)	Int.Brc (lbs)	Sect. Database (lbs)		
13	R-6N235*	240.00	252.00	56	56	208	233	0	0	441	551	0.787
12	R-6N390	220.00	240.00	57	56	455	593	0	0	1048	1312	0.787
11	R-7N749	200.00	220.00	82	57	902	512	0	0	1414	1772	0.787
10	R-8N236	180.00	200.00	106	82	1249	540	0	0	1789	2235	0.787
9	R-9N414	160.00	180.00	130	106	1250	684	0	0	1934	2423	0.787
8	R-10N301*	140.00	160.00	155	130	1371	751	0	0	2123	2659	0.787
7	R-11N262*	120.00	140.00	179	155	1720	1031	0	0	2751	3448	0.787
6	R-12N15*	100.00	120.00	204	179	1720	976	0	0	2696	3201	0.787
5	R-13N102	80.00	100.00	228	204	1985	1318	0	0	3303	4006	0.787
4	R-14N33	60.00	80.00	252	228	1985	1544	0	0	3529	4425	0.787
3	R-15N30	40.00	60.00	276	252	2610	1916	0	0	4525	4890	0.787
2	R-16N19	20.00	40.00	300	276	2610	2064	0	0	4674	5073	0.787
1	R-MWK34*	0.00	20.00	332	302	2613	1280	406	433	4732	5661	0.787
Total Mass:						20679	13441	406	433	34959	41656	

PANEL GEOMETRY

Sec#	Pnl#	Type	SecBrcg	Mid. Horiz Continuous	Horiz	Height (ft)	Bottom Width (in)	Top Width (in)	Plan Bracing	Hip Bracing	Gusset Plate Area (ft^2)	Gusset Plate Weight (lbs)
13	3	X	(None)	None	None	4.0	55.8	55.8	(None)	(None)	0.604	0.00
13	2	X	(None)	None	None	4.0	55.8	55.8	(None)	(None)	0.604	0.00
13	1	X	(None)	None	None	4.0	55.8	55.8	(None)	(None)	0.604	0.00
12	5	X	(None)	None	None	4.0	56.1	55.8	(None)	(None)	0.000	0.00
12	4	X	(None)	None	None	4.0	56.3	56.1	(None)	(None)	0.000	0.00
12	3	X	(None)	None	None	4.0	56.6	56.3	(None)	(None)	0.000	0.00
12	2	X	(None)	None	None	4.0	56.9	56.6	(None)	(None)	0.000	0.00
12	1	X	(None)	None	None	4.0	57.1	56.9	(None)	(None)	0.000	0.00
11	5	X	(None)	None	None	4.0	62.1	57.1	(None)	(None)	0.604	0.00
11	4	X	(None)	None	None	4.0	67.1	62.1	(None)	(None)	0.604	0.00
11	3	X	(None)	None	None	4.0	72.0	67.1	(None)	(None)	0.604	0.00
11	2	X	(None)	None	None	4.0	77.0	72.0	(None)	(None)	0.604	0.00
11	1	X	(None)	None	None	4.0	82.0	77.0	(None)	(None)	0.604	0.00
10	4	X	(None)	None	None	5.0	88.0	82.0	(None)	(None)	0.755	0.00
10	3	X	(None)	None	None	5.0	94.0	88.0	(None)	(None)	0.755	0.00
10	2	X	(None)	None	None	5.0	100.0	94.0	(None)	(None)	0.755	0.00
10	1	X	(None)	None	None	5.0	105.9	100.0	(None)	(None)	0.755	0.00
9	3	X	(None)	None	None	6.7	114.0	105.9	(None)	(None)	1.006	0.00
9	2	X	(None)	None	None	6.7	122.0	114.0	(None)	(None)	1.006	0.00
9	1	X	(None)	None	None	6.7	130.0	122.0	(None)	(None)	1.006	0.00
8	3	X	(None)	None	None	6.7	138.3	130.0	(None)	(None)	1.006	0.00
8	2	X	(None)	None	None	6.7	146.7	138.3	(None)	(None)	1.006	0.00
8	1	X	(None)	None	None	6.7	155.0	146.7	(None)	(None)	1.006	0.00
7	3	X	(None)	None	None	6.7	163.0	155.0	(None)	(None)	1.006	0.00



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7	2	X	(None)	None	6.7	171.0	163.0	(None)	(None)	1.006	0.00
7	1	X	(None)	None	6.7	179.1	171.0	(None)	(None)	1.006	0.00
6	2	X	(None)	None	10.0	191.5	179.1	(None)	(None)	1.509	0.00
6	1	X	(None)	None	10.0	203.9	191.5	(None)	(None)	1.509	0.00
5	2	X	(None)	None	10.0	215.9	203.9	(None)	(None)	1.509	0.00
5	1	X	(None)	None	10.0	228.0	215.9	(None)	(None)	1.509	0.00
4	2	X	(None)	None	10.0	240.0	228.0	(None)	(None)	1.509	0.00
4	1	X	(None)	None	10.0	252.0	240.0	(None)	(None)	1.509	0.00
3	2	X	(None)	None	10.0	264.0	252.0	(None)	(None)	0.000	0.00
3	1	X	(None)	None	10.0	276.0	264.0	(None)	(None)	0.000	0.00
2	2	X	(None)	None	10.0	288.0	276.0	(None)	(None)	0.000	0.00
2	1	X	(None)	None	10.0	300.0	288.0	(None)	(None)	0.000	0.00
1	1	K	2-Subdiv.	Yes	20.0	332.2	302.2	2-Subdiv.	2-Subdiv.	0.000	0.00

MEMBER PROPERTIES

Sec/ Pnl	Type	Description	Steel Grade	Conn. Type	Bolt #-Size	Bolt Grade	End Dist.	Edge Dist.	Gusset Thick.	Bolt Space	Dble Member Spacing Mem. Bolt	Member Stitch Bolt (ft)
13/3	Leg	PIPE 2.875x0.203	A572	gr.50	Tension	4-0.750	A325X	(in)	(in)	(in)	(in)	(in)
13/3	Diag	L1 3/4x1 3/4x3/16	A36	Bolted	1-0.625	A325N	0.938	0.875	0.250	1.875		
13/2	Leg	PIPE 2.875x0.203	A572	gr.50	Tension	4-0.750	A325X					
13/2	Diag	L1 3/4x1 3/4x3/16	A36	Bolted	1-0.625	A325N	0.938	0.875	0.250	1.875		
13/1	Leg	PIPE 2.875x0.203	A572	gr.50	Tension	4-0.750	A325X					
13/1	Diag	L1 3/4x1 3/4x3/16	A36	Bolted	1-0.625	A325N	0.938	0.875	0.250	1.875		
12/5	Leg	PIPE 3.500x0.216	A572	gr.50	Tension	4-0.875	A325X					
12/5	Diag	L2x2x1/4	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
12/4	Leg	PIPE 3.500x0.216	A572	gr.50	Tension	4-0.875	A325X					
12/4	Diag	L2x2x1/4	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
12/3	Leg	PIPE 3.500x0.216	A572	gr.50	Tension	4-0.875	A325X					
12/3	Diag	L2x2x1/4	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
12/2	Leg	PIPE 3.500x0.216	A572	gr.50	Tension	4-0.875	A325X					
12/2	Diag	L2x2x1/4	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
12/1	Leg	PIPE 3.500x0.216	A572	gr.50	Tension	4-0.875	A325X					
12/1	Diag	L2x2x1/4	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
11/5	Leg	PIPE 4.500x0.337	A572	gr.50	Tension	4-1.000	A325X					
11/5	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
11/4	Leg	PIPE 4.500x0.337	A572	gr.50	Tension	4-1.000	A325X					
11/4	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
11/3	Leg	PIPE 4.500x0.337	A572	gr.50	Tension	4-1.000	A325X					
11/3	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
11/2	Leg	PIPE 4.500x0.337	A572	gr.50	Tension	4-1.000	A325X					
11/2	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
11/1	Leg	PIPE 4.500x0.337	A572	gr.50	Tension	4-1.000	A325X					
11/1	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
10/4	Leg	PIPE 5.563x0.375	A572	gr.50	Tension	4-1.000	A325X					
10/4	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
10/3	Leg	PIPE 5.563x0.375	A572	gr.50	Tension	4-1.000	A325X					
10/3	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
10/2	Leg	PIPE 5.563x0.375	A572	gr.50	Tension	4-1.000	A325X					
10/2	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		
10/1	Leg	PIPE 5.563x0.375	A572	gr.50	Tension	4-1.000	A325X					
10/1	Diag	L2x2x3/16	A36	Bolted	1-0.625	A325N	0.938	1.000	0.250	1.875		



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9/3	Leg	PIPE 5.563x0.375	A572 gr.50Tension	4-1.000	A325X				
9/3	Diag	L2x2x1/4	A36 Bolted	1-0.625	A325X	0.938	1.000	0.250	1.875
9/2	Leg	PIPE 5.563x0.375	A572 gr.50Tension	4-1.000	A325X				
9/2	Diag	L2x2x1/4	A36 Bolted	1-0.625	A325X	0.938	1.000	0.250	1.875
9/1	Leg	PIPE 5.563x0.375	A572 gr.50Tension	4-1.000	A325X				
9/1	Diag	L2x2x1/4	A36 Bolted	1-0.625	A325X	0.938	1.000	0.250	1.875
8/3	Leg	PIPE 6.625x0.340	A572 gr.50Tension	6-1.000	A325X				
8/3	Diag	L2 1/2x2 1/2x3/16	A36 Bolted	1-0.625	A325N	0.938	1.250	0.250	1.500
8/2	Leg	PIPE 6.625x0.340	A572 gr.50Tension	6-1.000	A325X				
8/2	Diag	L2 1/2x2 1/2x3/16	A36 Bolted	1-0.625	A325N	0.938	1.250	0.250	1.500
8/1	Leg	PIPE 6.625x0.340	A572 gr.50Tension	6-1.000	A325X				
8/1	Diag	L2 1/2x2 1/2x3/16	A36 Bolted	1-0.625	A325N	0.938	1.250	0.250	1.500
7/3	Leg	PIPE 6.625x0.432	A572 gr.50Tension	6-1.000	A325X				
7/3	Diag	L3x3x3/16	A36 Bolted	1-0.625	A325X	0.938	1.500	0.250	2.250
7/2	Leg	PIPE 6.625x0.432	A572 gr.50Tension	6-1.000	A325X				
7/2	Diag	L3x3x3/16	A36 Bolted	1-0.625	A325X	0.938	1.500	0.250	2.250
7/1	Leg	PIPE 6.625x0.432	A572 gr.50Tension	6-1.000	A325X				
7/1	Diag	L3x3x3/16	A36 Bolted	1-0.625	A325X	0.938	1.500	0.250	2.250
6/2	Leg	PIPE 6.625x0.432	A572 gr.50Tension	6-1.000	A325X				
6/2	Diag	L3x3x3/16	A36 Bolted	1-0.625	A325N	0.938	1.938	0.250	1.875
6/1	Leg	PIPE 6.625x0.432	A572 gr.50Tension	6-1.000	A325X				
6/1	Diag	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325N	0.938	1.938	0.250	1.875
5/2	Leg	PIPE 8.625x0.375	A572 gr.50Tension	8-1.000	A325X				
5/2	Diag	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	1.938	0.250	1.875
5/1	Leg	PIPE 8.625x0.375	A572 gr.50Tension	8-1.000	A325X				
5/1	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	1.938	0.250	1.875
4/2	Leg	PIPE 8.625x0.375	A572 gr.50Tension	8-1.000	A325X				
4/2	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	2.387	0.250	1.875
4/1	Leg	PIPE 8.625x0.375	A572 gr.50Tension	8-1.000	A325X				
4/1	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	2.387	0.250	1.875
3/2	Leg	PIPE 8.625x0.500	A572 gr.50Tension	8-1.000	A325X				
3/2	Diag	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	2.875	0.250	1.875
3/1	Leg	PIPE 8.625x0.500	A572 gr.50Tension	8-1.000	A325X				
3/1	Diag	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	2.875	0.250	1.875
2/2	Leg	PIPE 8.625x0.500	A572 gr.50Tension	8-1.000	A325X				
2/2	Diag	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	2.875	0.250	1.875
2/1	Leg	PIPE 8.625x0.500	A572 gr.50Tension	8-1.000	A325X				
2/1	Diag	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	0.938	2.875	0.250	1.875
1/1	Leg	PIPE 8.625x0.500	A572 gr.50Tension	8-1.000	A325X				
1/1	Diag	PIPE 2.875x0.203	A572 gr.50Bolted	3-0.750	A325X	1.260	1.437	0.375	2.250
1/1	Horiz	PIPE 2.875x0.203	A572 gr.50Bolted	2-0.750	A325X	1.181	1.437	0.375	1.875
1/1	SecD1	PIPE 2.375x0.154	A572 gr.50Bolted	1-0.625	A325X	1.181	0.949	0.250	1.875
1/1	SecH1	PIPE 1.900x0.145	A572 gr.50Bolted	1-0.625	A325X	1.181	0.949	0.250	1.875
1/1	HipD1	PIPE 2.875x0.203	A572 gr.50Bolted	1-0.625	A325X	1.181	1.437	0.250	1.875
1/1	HipH1	PIPE 1.500x0.12	A572 gr.50Bolted	1-0.625	A325X	1.181	0.748	0.250	1.875
1/1	PlanH1	PIPE 2.375x0.154	A572 gr.50Bolted	1-0.625	A325X	1.181	1.189	0.250	1.875



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Section D: TRANSMISSION LINE DATA

Transmission Lines Position

No.	Bot El (ft)	Top El (ft)	Desc.	Radius (ft)	Az.	Orient.	No.	No. of Rows	Part of Face	Vert.	Antenna
1	0.00	252.00	3/8 CABLE	-1.32	0.00	0.00	1	1	No	Yes	
2	220.00	250.00	LDF7P-50A	2.14	60.00	10.00	12	1	Yes-OutNo		
3	0.00	250.00	TX Ladder	12.43	60.00	10.00	1	1	Yes-OutNo		
4	0.00	240.00	LDF7P-50A	12.43	180.00	130.00	12	1	Yes-OutNo		
5	0.00	240.00	TX Ladder	12.43	180.00	130.00	1	1	Yes-OutNo		
6	0.00	230.00	LDF7P-50A	12.43	300.00	250.00	12	1	Yes-OutNo		
7	0.00	230.00	TX Ladder	12.43	300.00	250.00	1	1	Yes-OutNo		
8	0.00	220.00	LDF7P-50A	12.43	60.00	10.00	24	2	Yes-OutNo		

Transmission Lines Details

No.	Desc.	Width (in)	Depth (in)	Unit Mass (lb/ft)	Line Spacing (in)	Row Spacing (in)
1	3/8 CABLE	0.38	0.38	1.00	2.750	2.750
2	LDF7P-50A	2.01	2.01	0.92	2.225	2.750
3	TX Ladder	4.70	1.50	4.00	2.750	2.750
4	LDF7P-50A	2.01	2.01	0.92	2.225	2.750
5	TX Ladder	4.70	1.50	4.00	2.750	2.750
6	LDF7P-50A	2.01	2.01	0.92	2.225	2.750
7	TX Ladder	4.70	1.50	4.00	2.750	2.750
8	LDF7P-50A	2.01	2.01	0.92	2.225	2.750



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Section F: POINT LOAD DATA

Structure Azimuth from North:0.00

POINT LOADS

No.	Description	Elev. (ft)	Radius (ft)	Azim. (Deg)	Orient. (Deg)	Vertical Offset (ft)	Tx Line	Comments
1	Carrier # 1	250.00	1.00	0.0	0.0	0.00		
2	Carrier # 2	240.00	0.00	0.0	0.0	0.00		
3	Carrier # 3	230.00	0.00	0.0	0.0	0.00		
4	Carrier # 4	220.00	0.00	0.0	0.0	0.00		

POINT LOADS WIND AREAS AND WEIGHTS

No.	Description	Frontal Bare Area (ft^2)	Lateral Bare Area (ft^2)	Frontal Iced Area (ft^2)	Lateral Iced Area (ft^2)	Weight Bare (Kips)	Weight Iced (Kips)
1	Carrier # 1	115.00	115.00	135.00	135.00	2.00	3.00
2	Carrier # 2	115.00	115.00	135.00	135.00	2.00	3.00
3	Carrier # 3	115.00	115.00	135.00	135.00	2.00	3.00
4	Carrier # 4	115.00	115.00	135.00	135.00	2.00	3.00



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Section H: STRUCTURE DISPLACEMENT DATA

Load Combination Max Envelope

Node	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert. Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist (Deg)
117	252.0	39.5	38.5	-0.2	1.79	-1.75	0.14
114	248.0	38.0	37.1	-0.2	1.78	1.75	0.14
111	244.0	36.5	35.6	-0.2	1.79	-1.75	0.13
108	240.0	35.0	34.1	-0.2	1.74	1.71	0.10
105	236.0	33.5	32.7	-0.2	1.77	-1.73	-0.12
102	232.0	32.0	31.2	-0.2	1.66	-1.63	0.09
99	228.0	30.6	29.9	-0.2	1.70	-1.67	0.13
96	224.0	29.2	28.5	-0.1	1.52	-1.48	0.09
93	220.0	27.9	27.2	-0.1	1.57	1.54	0.13
90	216.0	26.6	-25.9	-0.1	1.40	-1.37	0.08
87	212.0	25.4	24.8	-0.1	1.47	-1.44	0.11
84	208.0	24.2	23.6	-0.1	1.30	1.27	0.07
81	204.0	23.1	-22.5	-0.1	1.37	-1.34	0.09
78	200.0	22.0	21.4	-0.1	1.21	1.18	0.06
75	195.0	20.7	20.2	-0.1	1.25	-1.23	0.07
72	190.0	19.4	18.9	-0.1	1.11	1.09	0.05
69	185.0	18.2	17.7	-0.1	1.16	1.13	0.06
66	180.0	17.0	-16.6	-0.1	1.02	-0.99	0.05
63	173.3	15.6	-15.2	-0.1	1.01	-0.99	0.04
60	166.7	14.2	-13.8	-0.1	0.89	-0.87	0.04
57	160.0	12.9	-12.6	-0.1	0.89	0.87	0.03
54	153.3	11.7	-11.4	-0.1	0.78	-0.76	0.03
51	146.7	10.6	10.3	-0.1	0.78	0.76	0.03
48	140.0	9.5	9.2	-0.1	0.67	0.66	0.03
45	133.3	8.6	-8.3	-0.1	0.68	-0.67	0.02
42	126.7	7.6	7.4	-0.1	0.59	-0.58	0.02
39	120.0	6.8	6.6	-0.1	0.58	0.56	0.02
36	110.0	5.6	-5.4	-0.1	0.47	-0.46	0.03
33	100.0	4.6	-4.4	-0.1	0.45	-0.44	0.01
30	90.0	3.6	3.5	-0.1	0.36	0.35	0.02
27	80.0	2.9	-2.8	-0.1	0.35	-0.33	0.01
24	70.0	2.2	-2.1	-0.1	0.26	0.26	0.02
21	60.0	1.6	-1.5	0.0	0.25	-0.24	0.01
18	50.0	1.1	1.1	0.0	0.18	0.18	0.01
15	40.0	0.7	-0.7	0.0	0.17	-0.16	0.01
12	30.0	0.4	-0.3	0.0	0.11	-0.10	0.01
8	20.0	0.1	-0.1	0.0	0.03	-0.03	0.00
3	0.0	0.0	0.0	0.0	0.00	0.00	0.00



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Section L: STRENGTH ASSESSMENT SORTED DATA

Load Combination Max Envelope
 Wind Direction Maximum

Sec	Pnl	Elev	MType	Desc.	Len	kl/r	Gov. comp. cap. (Kips)	Gov. tens. cap. (Kips)	Max Compr. (Kips)	Max Tens. (Kips)	Asses. Ratio
		(ft)			(ft)						
13	3	248.00	Leg	PIPE 2.875x0.203	4.00	45.6	56.8	68.1	2.2	0.9	0.04
13	2	244.00	Leg	PIPE 2.875x0.203	4.00	45.6	56.8	68.1	5.0	3.2	0.09
13	1	240.00	Leg	PIPE 2.875x0.203	4.00	45.6	56.8	68.1	10.9	8.6	0.19
12	5	236.00	Leg	PIPE 3.500x0.216	4.00	37.2	78.0	89.3	16.8	13.4	0.22
12	4	232.00	Leg	PIPE 3.500x0.216	4.00	41.5	76.2	89.3	28.9	24.7	0.38
12	3	228.00	Leg	PIPE 3.500x0.216	4.00	41.5	76.2	89.3	37.4	32.6	0.49
12	2	224.00	Leg	PIPE 3.500x0.216	4.00	41.5	76.2	89.3	53.8	47.4	0.71
12	1	220.00	Leg	PIPE 3.500x0.216	4.00	35.1	78.9	89.3	65.9	59.5	0.84
11	5	216.00	Leg	PIPE 4.500x0.337	4.01	29.2	160.4	176.5	80.8	72.5	0.50
11	4	212.00	Leg	PIPE 4.500x0.337	4.01	32.6	157.9	176.5	93.1	84.0	0.59
11	3	208.00	Leg	PIPE 4.500x0.337	4.01	32.6	157.9	176.5	102.6	93.3	0.65
11	2	204.00	Leg	PIPE 4.500x0.337	4.01	32.6	157.9	176.5	112.7	102.7	0.71
11	1	200.00	Leg	PIPE 4.500x0.337	4.01	27.5	161.6	176.5	120.9	110.5	0.75
10	4	195.00	Leg	PIPE 5.563x0.375	5.01	30.0	221.3	184.4	130.8	119.6	0.65
10	3	190.00	Leg	PIPE 5.563x0.375	5.01	32.7	218.6	184.4	140.0	128.2	0.70
10	2	185.00	Leg	PIPE 5.563x0.375	5.01	32.7	218.6	184.4	149.8	137.2	0.74
10	1	180.00	Leg	PIPE 5.563x0.375	5.01	28.7	222.7	184.4	158.2	144.9	0.79
9	3	173.33	Leg	PIPE 5.563x0.375	6.68	40.9	209.5	184.4	168.4	154.1	0.84
9	2	166.67	Leg	PIPE 5.563x0.375	6.68	43.6	206.3	184.4	178.6	163.3	0.89
9	1	160.00	Leg	PIPE 5.563x0.375	6.68	39.6	211.1	184.4	189.3	172.8	0.94
8	3	153.33	Leg	PIPE 6.625x0.340	6.68	33.8	238.8	268.7	198.5	181.0	0.83
8	2	146.67	Leg	PIPE 6.625x0.340	6.68	36.1	236.2	268.7	208.1	189.5	0.88
8	1	140.00	Leg	PIPE 6.625x0.340	6.68	32.7	240.1	268.7	216.6	196.9	0.90
7	3	133.33	Leg	PIPE 6.625x0.432	6.68	34.2	298.7	276.6	226.2	205.1	0.76
7	2	126.67	Leg	PIPE 6.625x0.432	6.68	36.5	295.3	276.6	235.0	212.7	0.80
7	1	120.00	Leg	PIPE 6.625x0.432	6.68	33.1	300.3	276.6	244.6	220.9	0.81
6	2	110.00	Leg	PIPE 6.625x0.432	10.02	52.5	268.8	276.6	255.1	229.8	0.95
6	1	100.00	Leg	PIPE 6.625x0.432	10.02	51.4	270.8	276.6	268.8	241.3	0.99
5	2	90.00	Leg	PIPE 8.625x0.375	10.02	39.6	335.8	368.8	281.2	251.7	0.84
5	1	80.00	Leg	PIPE 8.625x0.375	10.02	38.7	337.3	368.8	295.0	263.0	0.87
4	2	70.00	Leg	PIPE 8.625x0.375	10.02	39.6	335.8	368.8	307.9	273.7	0.92
4	1	60.00	Leg	PIPE 8.625x0.375	10.02	38.7	337.3	368.8	321.5	284.8	0.95
3	2	50.00	Leg	PIPE 8.625x0.500	10.02	39.6	440.8	368.8	334.5	295.3	0.80
3	1	40.00	Leg	PIPE 8.625x0.500	10.02	39.6	440.8	368.8	348.1	306.0	0.83
2	2	30.00	Leg	PIPE 8.625x0.500	10.02	39.6	440.8	368.8	360.6	315.8	0.86
2	1	20.00	Leg	PIPE 8.625x0.500	10.02	39.6	440.8	368.8	373.6	325.8	0.88
1	1	0.00	Leg	PIPE 8.625x0.500	20.06	39.6	440.8	368.8	381.0	329.7	0.89
13	3	248.00	Diag	L1 3/4x1 3/4x3/16	6.13	101.0	8.6	6.0	1.1	1.3	0.22
13	2	244.00	Diag	L1 3/4x1 3/4x3/16	6.13	101.0	8.6	6.0	2.8	2.5	0.42
13	1	240.00	Diag	L1 3/4x1 3/4x3/16	6.13	101.0	8.6	6.0	2.7	2.9	0.49
12	5	236.00	Diag	L2x2x1/4	6.14	91.1	12.3	9.1	5.1	4.8	0.53
12	4	232.00	Diag	L2x2x1/4	6.16	91.3	12.3	9.1	4.9	5.2	0.57
12	3	228.00	Diag	L2x2x1/4	6.18	91.6	12.3	9.1	6.4	6.1	0.67
12	2	224.00	Diag	L2x2x1/4	6.19	91.8	12.3	9.1	6.7	6.9	0.77
12	1	220.00	Diag	L2x2x1/4	6.21	92.0	12.3	9.1	7.2	6.9	0.76
11	5	216.00	Diag	L2x2x3/16	6.38	95.3	8.6	6.8	5.7	5.6	0.82
11	4	212.00	Diag	L2x2x3/16	6.71	99.4	8.6	6.8	5.3	5.4	0.79
11	3	208.00	Diag	L2x2x3/16	7.04	103.5	8.6	6.8	5.1	5.0	0.74

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Contract: 060-6409
Project: 250ft ROHN SSV Tower
Date and Time: 4/30/2009 9:35:58 AM

Revision: 0
Site: PRYORSBURG
Engineer: AMKW/DWG

11	2	204.00	Diag	L2x2x3/16	7.39	107.7	8.6	6.8	4.9	4.9	0.72
11	1	200.00	Diag	L2x2x3/16	7.74	111.9	8.6	6.8	4.8	4.7	0.69
10	4	195.00	Diag	L2x2x3/16	8.67	122.0	8.6	6.8	5.0	5.1	0.75
10	3	190.00	Diag	L2x2x3/16	9.08	128.7	8.5	6.8	5.0	4.9	0.72
10	2	185.00	Diag	L2x2x3/16	9.50	135.4	7.7	6.8	4.8	4.9	0.72
10	1	180.00	Diag	L2x2x3/16	9.93	142.2	7.0	6.8	4.9	4.8	0.70
9	3	173.33	Diag	L2x2x1/4	11.33	164.5	6.9	9.1	5.2	5.3	0.75
9	2	166.67	Diag	L2x2x1/4	11.88	173.2	6.2	9.1	5.2	5.1	0.84
9	1	160.00	Diag	L2x2x1/4	12.44	182.0	5.6	9.1	5.2	5.2	0.91
8	3	153.33	Diag	L2 1/2x2 1/2x3/16	13.02	150.7	7.9	6.8	5.0	4.9	0.72
8	2	146.67	Diag	L2 1/2x2 1/2x3/16	13.62	158.2	7.2	6.8	5.0	5.1	0.74
8	1	140.00	Diag	L2 1/2x2 1/2x3/16	14.23	165.9	6.5	6.8	5.2	5.1	0.80
7	3	133.33	Diag	L3x3x3/16	14.84	143.7	10.5	6.8	5.5	5.6	0.82
7	2	126.67	Diag	L3x3x3/16	15.44	149.9	9.7	6.8	5.8	5.7	0.83
7	1	120.00	Diag	L3x3x3/16	16.04	156.1	8.9	6.8	5.8	5.9	0.87
6	2	110.00	Diag	L3x3x3/16	18.40	181.4	6.6	6.8	6.4	6.3	0.97
6	1	100.00	Diag	L3x3x1/4	19.27	190.4	7.9	8.6	6.5	6.6	0.82
5	2	90.00	Diag	L3x3x1/4	20.15	197.3	7.4	10.2	7.1	7.0	0.96
5	1	80.00	Diag	L3 1/2x3 1/2x1/4	21.03	176.3	10.8	10.2	7.3	7.3	0.72
4	2	70.00	Diag	L3 1/2x3 1/2x1/4	21.92	184.1	9.9	10.2	7.6	7.5	0.77
4	1	60.00	Diag	L3 1/2x3 1/2x1/4	22.81	192.0	9.1	10.2	7.8	7.8	0.86
3	2	50.00	Diag	L4x4x1/4	23.71	172.3	12.3	10.2	8.1	8.1	0.79
3	1	40.00	Diag	L4x4x1/4	24.62	179.2	12.0	10.2	8.3	8.3	0.82
2	2	30.00	Diag	L4x4x1/4	25.56	186.3	11.1	10.2	8.1	8.0	0.79
2	1	20.00	Diag	L4x4x1/4	26.53	193.6	10.3	10.2	8.3	8.3	0.82
1	1	0.00	Diag	PIPE 2.875x0.203	24.33	142.7	16.6	53.0	10.1	10.1	0.61
1	1	0.00	Horiz	PIPE 2.875x0.203	12.55	151.3	14.8	35.3	6.7	5.7	0.45
1	1	0.00	SecH1	PIPE 1.900x0.145	6.27	120.8	10.9	12.3	5.7	5.7	0.52
1	1	0.00	SecD1	PIPE 2.375x0.154	11.48	175.0	7.0	12.3	5.8	5.8	0.83
1	1	0.00	HipH1	PIPE 1.500x0.12	6.27	153.6	4.4	12.3	0.2	0.2	0.03
1	1	0.00	HipD1	PIPE 2.875x0.203	15.06	190.8	9.3	12.3	0.1	0.1	0.01
1	1	0.00	PlanH1	PIPE 2.375x0.154	12.55	191.3	5.9	12.3	0.1	0.1	0.01



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File: W:\Jobs\2009\060-6409\060-6409.out
Contract: 060-6409
Project: 250ft ROHN SSV Tower
Date and Time: 4/30/2009 9:35:58 AM

Revision: 0
Site: PRYORSBURG
Engineer: AMKW/DWG

Section N: LEG REACTION DATA

Load Combination	Max Envelope			
Wind Direction	Maximum			
Force-Y Download (Kips)	Force-Y Uplift (Kips)	Shear-X (Kips)	Shear-Z (Kips)	Max Shear (Kips)
396.18	341.73			38.17 ✓

AMERICAN TOWER® CORPORATION

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SUITE 135
IRVING, TX 75063
PHONE: (972) 999-8900 / FAX: (972) 999-8940

273412 - PRYORSBURG KY, KY

PROJECT DESCRIPTION:

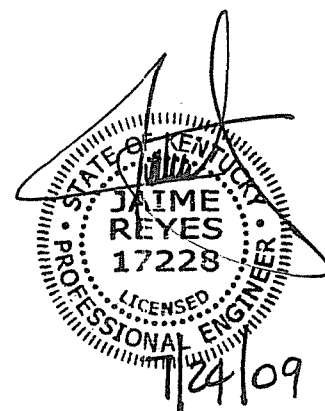
PRIMARY FOUNDATION DESIGN FOR A 250' "ROHN" SELF-SUPPORTING TOWER.

AS-BUILT SIGN-OFF

DESCRIPTION	SIGNATURE	DATE
CONTRACTOR NAME		
CONTRACTOR REPRESENTATIVE (PRINT NAME)		
CONTRACTOR REPRESENTATIVE (SIGNATURE)		
REDEVELOPMENT P.M. (PRINT NAME)		
REDEVELOPMENT P.M. (SIGNATURE)		

PROJECT SUMMARY

CUSTOMER: OPERATIONS STRUCTURAL
 SITE NUMBER: 273412
 SITE NAME: PRYORSBURG KY, KY
 SITE ADDRESS: SR-58
 MAYFIELD, KY 42066
 PROPERTY OWNER: AMERICAN TOWER CORPORATION
 ATC JOB NUMBER: 43692372A
 DATE: 7/10/09
 REVISION: 0



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the state of Kentucky.

DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE	REVISION
BOM	BILL OF MATERIALS (1 PAGE)	0
IGN	IBC GENERAL NOTES	0
A-1	DRILLED PIER FOUNDATION DETAILS	0
A-2	BAR LIST FOR REINFORCING STEEL AND GENERAL NOTES	0

FABRICATION DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE	REVISION

GENERAL

1. ALL METHODS, MATERIALS AND WORKMANSHIP SHALL FOLLOW THE DICTATES OF GOOD CONSTRUCTION PRACTICE.
2. ALL WORK INDICATED ON THESE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER AND FOUNDATION CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY INSTALLATION INTERFERENCES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS. DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS FOR THIS JOB.
4. ANY SUBSTITUTIONS MUST CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
5. ANY MANUFACTURED DESIGN ELEMENTS MUST CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS AND SHOULD BE SIMILAR TO THOSE SHOWN. THESE DESIGN ELEMENTS MUST BE STAMPED BY AN ENGINEER PROFESSIONALLY REGISTERED IN THE STATE OF THE PROJECT, AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND OSHA SAFETY REGULATIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, ETC. NECESSARY TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.
8. CONTRACTOR'S PROPOSED INSTALLATION SHALL NOT INTERFERE, NOR DENY ACCESS TO, ANY EXISTING OPERATIONAL AND SAFETY EQUIPMENT.
- 9.) FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.
- 10.) ALL FIELD CUT SURFACES SHALL BE REPAIRED WITH ZRC GALVALITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

APPLICABLE CODES AND STANDARDS

1. ANSII/AIA/EIA: STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES, 222-F EDITION.
2. KENTUCKY BUILDING CODE 2007 AND 2006 INTERNATIONAL BUILDING CODE.
3. ACI 318: AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 318-99.
4. CRSI: CONCRETE REINFORCING STEEL INSTITUTE, MANUAL OF STANDARD PRACTICE, LATEST EDITION.
5. AISC: AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
6. AWS: AMERICAN WELDING SOCIETY D1.1, STRUCTURAL WELDING CODE, LATEST EDITION.

STRUCTURAL STEEL

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
3. ALL U-BOLTS SHALL BE ASTM A307 OR EQUIVALENT, WITH LOCKING DEVICE, UNLESS NOTED OTHERWISE.

WELDING

1. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
2. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, U.N.O.
3. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
4. PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVALITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

PAINT

1. AS REQUIRED, CLEAN AND PAINT PROPOSED STEEL ACCORDING TO FAA ADVISORY CIRCULAR AC 70/7460-1K.

BOLT TIGHTENING PROCEDURE

1. TIGHTEN FLANGE BOLTS BY AISC - "TURN OF THE NUT" METHOD, USING THE CHART BELOW:

BOLT LENGTHS UP TO AND INCLUDING FOUR DIA.

3/4"	BOLTS UP TO AND INCLUDING 4.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
7/8"	BOLTS UP TO AND INCLUDING 3.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1"	BOLTS UP TO AND INCLUDING 4.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS UP TO AND INCLUDING 4.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS UP TO AND INCLUDING 5.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS UP TO AND INCLUDING 6.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT

BOLT LENGTHS OVER FOUR DIA. BUT NOT EXCEEDING 8 DIA.

3/4"	BOLTS 4.25 TO 6.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS 3.75 TO 7.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS 4.75 TO 9.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS 5.25 TO 10.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS 6.25 TO 12.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

2. SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8(d)(1) OF THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:

"FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8(d)(1) THROUGH 8(d)(4).

8(d)(1) TURN-OF-THE-NUT TIGHTENING.

BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8 (c), UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.

3. ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8 (c) OF THE SPECIFICATION.

SPECIAL INSPECTION

1. A QUALIFIED INDEPENDENT TESTING LABORATORY, EMPLOYED BY THE OWNER, SHALL PERFORM INSPECTION AND TESTING IN ACCORDANCE WITH KENTUCKY BUILDING CODE 2007 AND IBC 2006, SECTION 1704 AS REQUIRED BY PROJECT SPECIFICATIONS FOR THE FOLLOWING CONSTRUCTION WORK:
 - a) STRUCTURAL WELDING
 - b) HIGH STRENGTH BOLTS
2. THE INSPECTION AGENCY SHALL SUBMIT INSPECTION AND TEST REPORTS TO THE BUILDING DEPARTMENT, THE ENGINEER OF RECORD, AND THE OWNER IN ACCORDANCE WITH KENTUCKY BUILDING CODE 2007 AND IBC 2006, SECTION 1704. UNLESS THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT THE SPECIAL INSPECTIONS.



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STRUCTURAL
ENGINEERING**
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RISE AIT

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REV.	DESCRIPTION	BY	DATE
△	FIRST ISSUE	CAB	7/10/09
△			
△			
△			
△			
△			

SITE NUMBER:
273412

SITE NAME:
**PRYORSBURG KY,
KY**

SITE ADDRESS:
SR-5B
MAYFIELD, KY 42066

DRAWN BY:	CAB
CHECKED BY:	USA
DATE DRAWN:	7/10/09
ATC JOB NO:	43692372A

SHEET TITLE:
**IBC GENERAL
NOTES**

SHEET NUMBER:	IGN	REV #:	0
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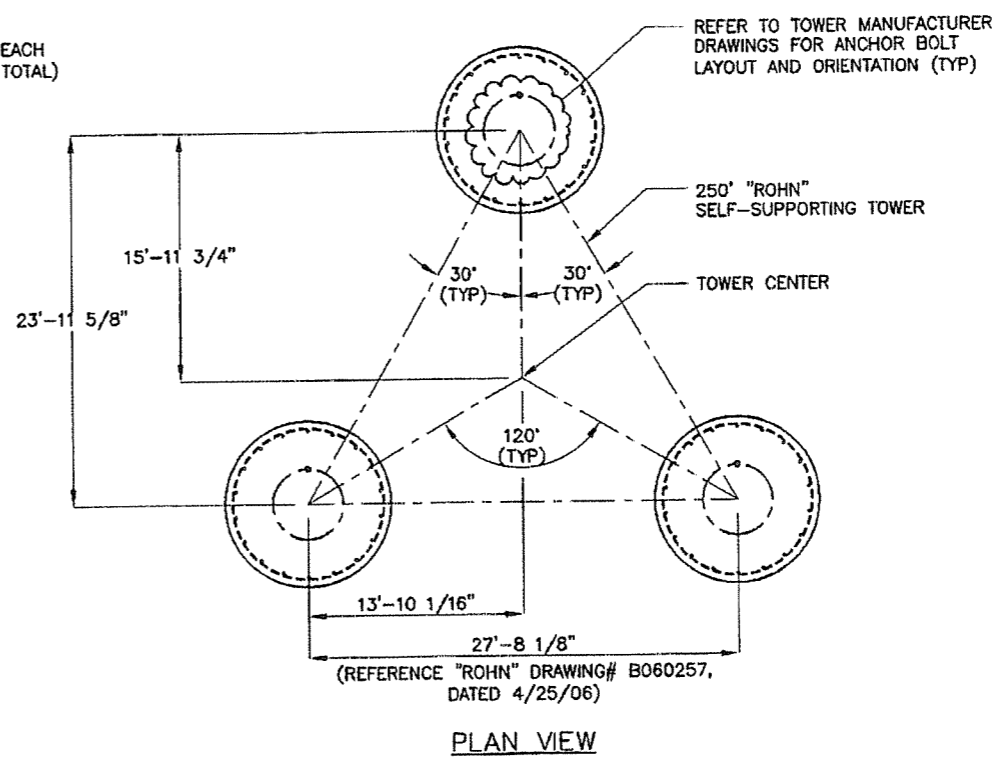
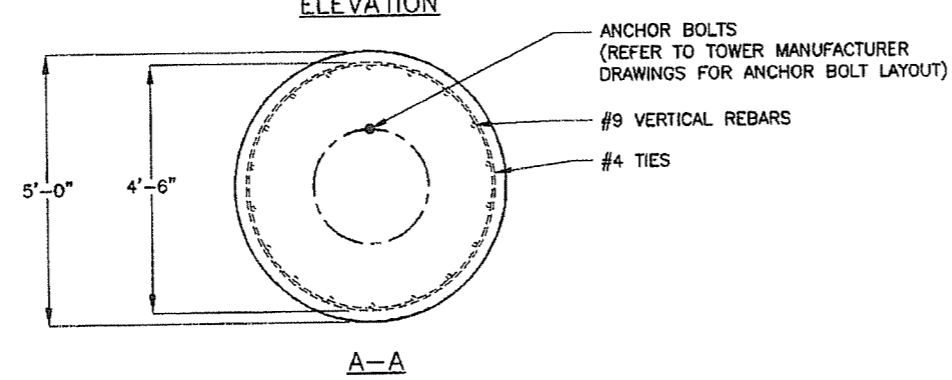
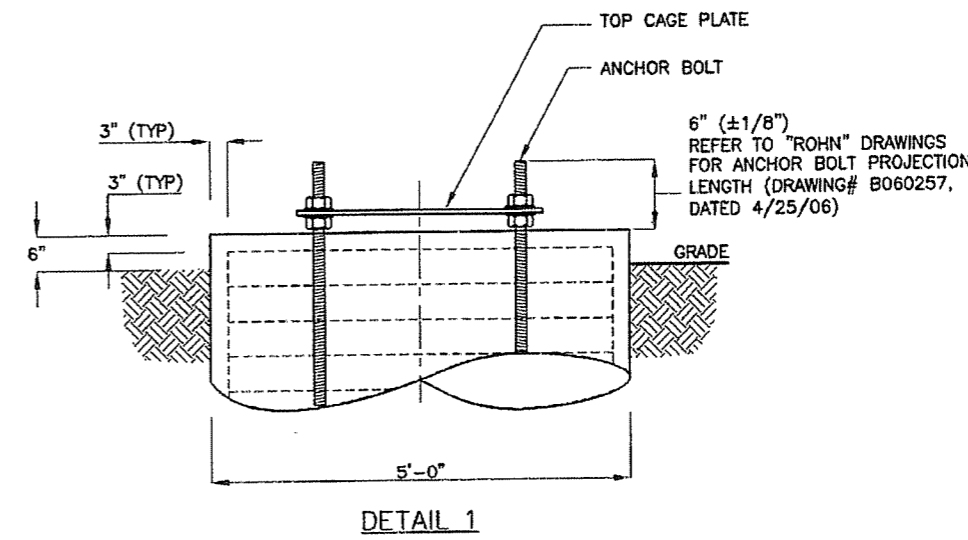
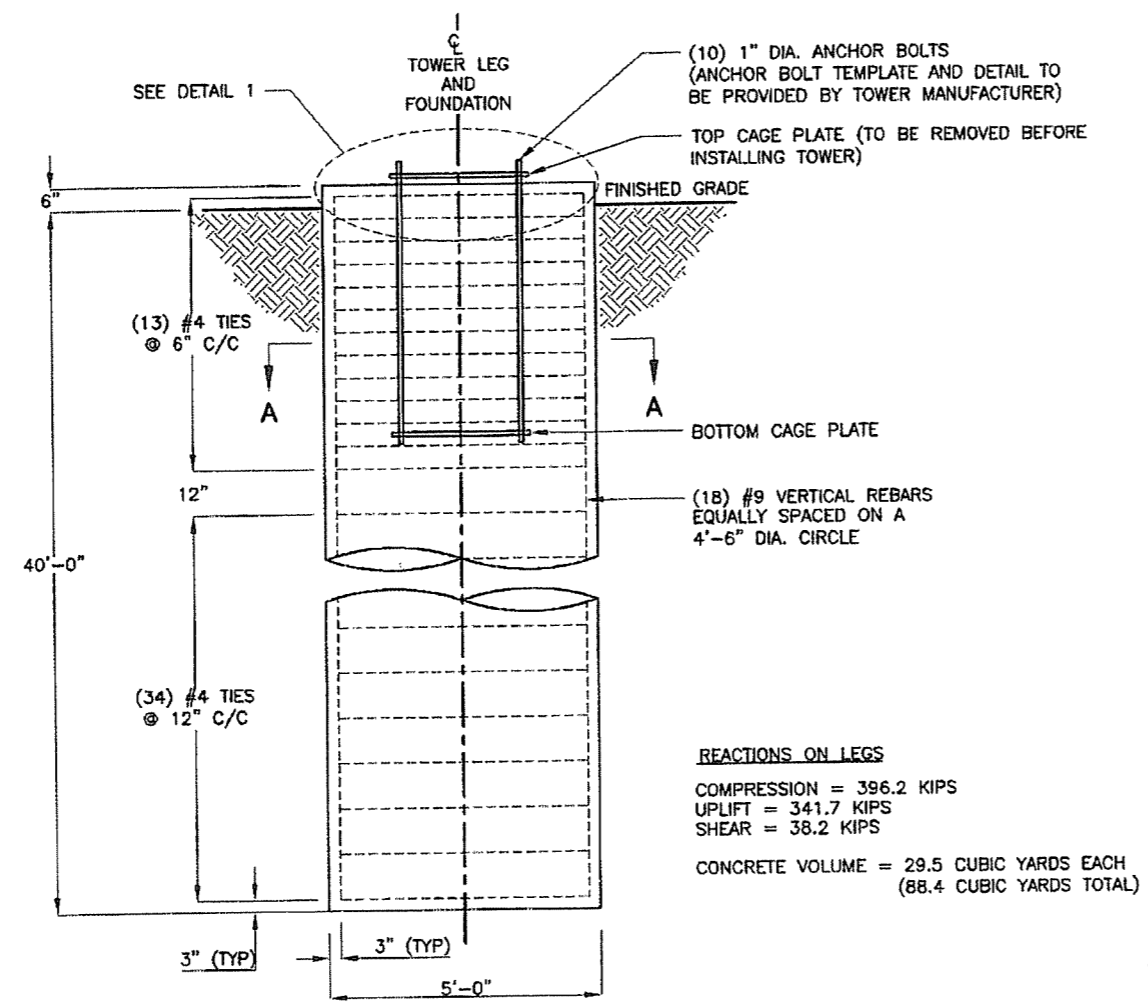
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	CAB	7/10/09

SITE NUMBER:
273412
 SITE NAME:
**PRYORSBURG KY,
 KY**
 SITE ADDRESS:
 SR-58
 MAYFIELD, KY 42066


DRAWN BY:	CAB
CHECKED BY:	USA
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SHEET TITLE:
**DRILLED PIER FOUNDATION
 DETAILS (PRIMARY
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A-1	0



- NOTES
1. FOUNDATION DESIGNED FOR A "ROHN" 250' SELF-SUPPORTING TOWER (ENG. FILE# 060-6409, DRAWING# A090561, DATED 7/6/09). REFERENCE TOWER MANUFACTURER DRAWINGS FOR ANCHOR BOLT INSTALLATION REQUIREMENTS.
 2. FOUNDATION DESIGN REACTIONS WERE OBTAINED FROM TOWER MANUFACTURER DESIGN DRAWINGS (ENG. FILE# 060-6409, DRAWING# A090561, DATED 7/6/09).
 3. FOUNDATION DESIGN WAS BASED ON SOIL REPORT PROVIDED BY "PATRIOT ENGINEERING AND ENVIRONMENTAL, INC" WITH PROJECT# 5-09-0512, DATED 7/1/09. REFERENCE THE SOIL REPORT FOR ADDITIONAL CONSIDERATIONS AND REQUIREMENTS.
 4. DUE TO THE EXISTING GROUNDWATER AT APPROX. 28 FT. BELOW THE GRADE SURFACE AND THE SANDY SOILS AT 28.5 FT BELOW THE GRADE SURFACE, THE USE OF TEMPORARY STEEL CASING, AND/OR SLURRY METHOD WILL BE REQUIRED.
 5. CONCRETE SLUMP: 6"~8"
 6. LEAVING PIER HOLES OPEN OVERNIGHT IS NOT ALLOWED.
 7. ELEVATION AT THE TOPS OF ALL PIERS TO BE WITHIN $\pm 1/4"$ OF EACH OTHER.



AMERICAN TOWER[®]
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ENGINEERING
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REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	CAB	7/10/09

SITE NUMBER:
273412

SITE NAME:
**PRYORSBURG KY,
 KY**

SITE ADDRESS:
 SR-58
 MAYFIELD, KY 42066


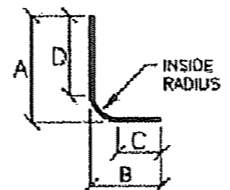
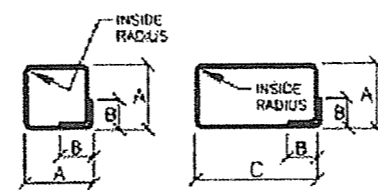
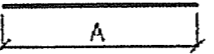
DRAWN BY:	CAB
CHECKED BY:	USA
DATE DRAWN:	7/10/09
ATC JOB NO:	43692372A

SHEET TITLE:

BAR LIST FOR
 REINFORCING
 STEEL AND
 GENERAL NOTES

SHEET NUMBER: REV #:

A-2 0

QTY REQ'D	REBAR SIZE	LENGTH	TOTAL WEIGHT (LBS)	TYPE	BENDING DIAGRAM					
					A	B				
141	#4	14'-11 1/2"	1408	ROUND TIE	4'-6"	0'-11"				
				90° BEND VERTICAL	A	B	C	D	INSIDE RAD.	
				SQUARE OR RECTANGULAR TIE	A	B	C	INSIDE RAD.		
54	#9	40'-0"	7344	STRAIGHT	A					
					40'-0"					

GENERAL FOUNDATION CONSTRUCTION NOTES

- ALL REBAR (HORIZONTAL & VERTICAL) SHALL BE SECURELY WIRE TIED TO PREVENT DISPLACEMENT DURING POURING OF CONCRETE.
 - CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
 - REINFORCED CONCRETE CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI STANDARDS 318.
 - MINIMUM CONCRETE COVER OVER REBAR IS 3".
 - BACKFILL SHALL BE SELECTED MATERIAL, WELL COMPACTED IN LAYERS NOT EXCEEDING 12".
 - BACKFILL SHALL BE PLACED SO AS TO PREVENT ACCUMULATION OF WATER AROUND THE FOUNDATION.
- REINFORCING MATERIAL SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A615-85.
 ALL REBAR TO BE GRADE 60 (UNLESS NOTED).

FOUNDATION AND ANCHOR TOLERANCES

- VERTICAL EMBEDMENTS OUT OF PLUMB: 1.0 DEGREE.
- DRILLED FOUNDATION OUT OF PLUMB: 1.0 DEGREE.
- DEPTH OF FOUNDATION: PLUS 3" (76mm) OR MINUS 0".
- PROJECTIONS OF EMBEDMENTS: PLUS OR MINUS 1/4" (6mm).
- CONCRETE DIMENSIONS: PLUS OR MINUS 1" (25mm).
- REINFORCING STEEL PLACEMENT: PLUS OR MINUS 1/2" INCLUDING CONCRETE COVER.
- TOP LEVELS OF ALL THREE PIERS FROM EACH OTHER: PLUS OR MINUS 1/4"

Exhibit E



July 1, 2009

Nsoro
10830 Penion Drive
Louisville, Kentucky 40299

Attention: Michael Haggerty

RE: Report of Geotechnical Engineering Investigation
Pryorsburg Cell Tower
3133 State Route 58
Pryorsburg, Graves County, Kentucky
Patriot Project Number 5-09-0512

Dear Michael:

Submitted herewith is the report of our subsurface investigation for the above-referenced project. This investigation was completed in general accordance with our Master Subcontract Agreement – Professional Services dated March 12, 2009.

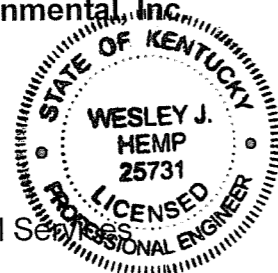
This report includes detailed and graphic logs of the one (1) soil test boring drilled at the proposed site. Also included in the report are the results of laboratory tests performed on samples obtained from the site, and geotechnical recommendations pertinent to the foundation design and construction.

We appreciate the opportunity to have performed this geotechnical engineering investigation and are looking forward to working with you during the construction phase of the project. If you have any questions regarding this report or if we may be of any additional assistance regarding any geotechnical aspect of the project, please do not hesitate to contact our office.

Respectfully submitted,

Patriot Engineering and Environmental, Inc.

Wesley J. Hemp, P.E., LEED AP
Director – Louisville Geotechnical Services



Richard L. Johnson, P.E.
Senior Project Engineer

Attachment: Report of Geotechnical Engineering Investigation

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REPORT OF GEOTECHNICAL ENGINEERING INVESTIGATION

Pryorsburg Cell Tower
3133 State Route 58
Pryorsburg, Graves County, Kentucky
Patriot Project No. 5-09-0512

1.0 INTRODUCTION

1.1 General

Nsoro is planning the construction of a new cell tower located in Pryorsburg, Kentucky just southwest of Mayfield. The results of our geotechnical engineering investigation for the project are presented in this report. This investigation was carried out in general accordance with our Master Subcontract Agreement – Professional Services dated March 12, 2009.

1.2 Purpose and Scope

The purpose of this investigation was to determine the general near surface and subsurface conditions within the project area and to develop the geotechnical engineering recommendations necessary for the design and construction of the structure. This was achieved by drilling a soil test boring at the center of the tower location, and by conducting laboratory tests on samples taken from the boring. This report contains the results of our findings, an engineering interpretation of these results with respect to the available project information, and recommendations to aid in the design and construction of the proposed cell tower facility.

2.0 PROJECT INFORMATION

The proposed project includes a 254 ft. monopole cell tower to be constructed on a vacant parcel in Pryorsburg, KY. Structural loading information for this project was not available at the time of this report. However, we estimate that the tower loads will not exceed the following loading conditions:

Vertical (Downward) Load:	600 kips
Horizontal Shear:	80 kips
Uplift:	500 kips

It is understood that the project will also include the development of a fenced-in

compound area which will include a small equipment building. We anticipate that wall loads for the proposed building will not exceed 1.5 kips per lineal foot and floor slab loads will not exceed 150 psf.

3.0 SITE AND SUBSURFACE CONDITIONS

3.1 Site Conditions

The area for the proposed cell tower is located on the south side of State Route 58, approximately 0.4 miles west of the Julian M. Carroll Purchase Parkway. The area of the tower location was covered with grass and weeds. Remnants of an old barn were located adjacent to the test boring location. Various other types of debris were also scattered across the site including wood and organics. Soft subgrade conditions were noted during our site visit.

3.2 Site Geology

Information pertaining to soil characteristics in the project area was obtained through the Kentucky Geological Society Website and Interactive GIS Map.

The site is located in the Mississippi Embayment Region in south-western Kentucky, in the Mississippi River Valley. Soils in this area consist of continental deposits that are a mixture of silt, sand, clay, and gravel of Tertiary to Quaternary in age which were carried by river or stream currents and deposited on the older overlying bedrock. Information obtained from old water well records indicates that bedrock is likely deeper than 100 feet in this area.

3.3 Subsurface Conditions

Our interpretation of the subsurface conditions is based upon widely spaced soil borings drilled at the approximate locations shown on the Boring Location Map in Appendix A. The following discussion is general; for more specific information, please refer to the boring logs presented in Appendix A. It should be noted that the dashed stratification lines shown on the soil boring logs indicate approximate transitions between soil types. In situ stratification changes could occur gradually or at different depths. All depths discussed below refer to depths below the existing ground surface.

The parcel is generally covered with topsoil, a surficial layer of material that is a blend of silts, sands, and clays, with varying amounts of organic matter. The topsoil layer was about 2 inches thick in the test boring.

Below the topsoil surface cover, the boring encountered silty clay described as light brown mottled gray, moist, and soft to stiff to a depth of 3.5 feet. Stiff to very stiff brown and gray silty clay was encountered from 3.5 to 8.5 feet. Below this layer, the boring encountered silty clay described as red and brown, moist, and stiff to very stiff to a depth of approximately 18.5 feet. Sandy clay described as red, moist, and stiff to very stiff was encountered to a depth of 23.5 feet, and was underlain by very stiff, light brown silty clay with fine to coarse weathered chert pebbles to a depth of 28.5 feet. Silty sand described as yellowish brown to white in color, fine-grained, very moist to saturated and dense was encountered between depths of 28.5 feet and 40 feet, the termination depth.

Standard Penetration Test blow counts (N-values) blows were 5 blows per foot (bpf) in the upper 3.5 feet, 15 to 16 bpf between 3.5 and 23.5 feet, and from 30 to 42 bpf below 23.5 feet. Natural moisture contents in these soils ranged from 8 to 29 percent. Unconfined compressive strengths ranged from 1.25 to 2.5 tsf (tons per square foot) for the cohesive (clayey) samples.

3.4 Groundwater Conditions

Groundwater was encountered during drilling at a depth of 33.5 feet, and at the completion of drilling at a depth of 28.0 feet.

The term groundwater, for the purpose of this report, pertains to any water that percolates through the naturally occurring soil materials found on site. This includes any overland flow that permeates through a given depth of soil, perched water, and water that occurs below the "water table", a zone that remains saturated and water bearing year round.

It should be recognized that fluctuations in the groundwater level should be expected to occur due to variations in rainfall and other environmental or physical factors at the time measurements are made. The true static groundwater level can only be determined through observations made in cased holes over a long period of time, the construction of which was beyond the scope of this investigation.

4.0 DESIGN RECOMMENDATIONS

4.1 Basis

Our recommendations are based on data presented in this report, which include soil borings, laboratory testing and our experience with similar projects. Subsurface variations that may not be indicated by a dispersive exploratory boring program can exist on any site. If such variations or unexpected conditions are encountered during construction, or if the project information is incorrect or changed, we should be informed immediately since the validity of our recommendations may be affected. Refer to Appendix B for additional qualifications and contractual considerations.

4.2 Tower Foundation

Drilled Piers

The structure may be supported on a deep foundation system consisting of drilled piers. Drilled piers may be designed using the net allowable end bearing pressures and allowable skin friction values shown in the table below.

Depth Range (feet)	Soil Type	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Angle of Shearing Resistance (degrees)	Cohesion (psf)
0-5	Silty Clay	Ignore	Ignore	Ignore	Ignore
5-18.5	Silty Clay	360	5,900	0	1900
18.5-23.5	Sandy Clay	380	6,300	0	2000
23.5-28.5	Silty Clay	720	12,000	0	4000
28.5-40	Silty Sand	800	*14,000-16,000	38	Ignore

* Increases linearly with depth.

Development of the design capacity is based on the following conditions or criteria:

- Drilled Piers should be designed as straight shaft and have a minimum diameter of 30 inches and be installed to a minimum depth of four times the pier diameter.

- Belling of piers may be performed for piers bearing on silty clay.
- The center-to-center spacing of the shafts will be a minimum of 2.5 pier diameters.
- Load applied to the shaft cap is uniformly distributed to each of the piers.
- Shafts should be constructed in accordance with the recommendations for shaft construction in Section 5.1 of this report.
- The drilled piers should be installed by a specialty contractor experienced in drilled pier installation.

For drilled pier design, the net allowable end bearing pressure is based on loads applied at the pier cap. The weight of the pier or the pier cap need not be included in the downward axial load used to dimension the pier.

Mat Foundation

Alternatively, the cell tower may be supported using a mat foundation bearing on native clay at a depth of at least 4 feet. The maximum allowable bearing pressure for mat foundation design should not exceed the values shown in the table below.

Depth Range (feet)	Soil Type	Allowable Bearing Pressure (psf)
0-4	Silty lean clay	Ignore
4-6	Silty lean clay	3,000
>6	Silty lean clay	4,200

The thickness of the mat should be sufficient to support the tower as a rigid mat without flexure. For mat foundation design, we recommend that the modulus of subgrade reaction, "K₃₀", not exceed **100** pounds per cubic inch. A cohesion value of **1900** psf or a friction coefficient of **0.55** may be utilized to determine sliding resistance for a mat foundation bearing on silty lean clay or crushed stone backfill, respectively. It should be noted that the cohesion and friction coefficient values provided above do not include factors of safety.

The mat should be constructed in compliance with the recommendations discussed in the Construction Considerations (Section 5.0) of this report.

A detailed settlement analysis was beyond the scope of this report; however, we estimate that the total settlement of the mat foundation bearing on native stiff clay should not exceed approximately 1 inch. Careful field control during construction is necessary to minimize the actual settlement that will occur.

4.3 Maintenance Building Foundations

It should be noted that a test boring was not performed for the Maintenance Building foundation since the location of the building has yet to be determined. Therefore, the recommendations provided below are based upon information obtained from the test boring performed at the center of the tower location.

The proposed structure can be supported on spread footings bearing on stiff clay or on structural fill overlying the same at normal shallow depths. These footings may be proportioned using net allowable soil bearing pressures not exceeding **2,400** pounds per square foot (psf) for wall footings, **provided that the foundations bear at a depth of at least 4 feet below existing grade, or on structural fill after over-excavating to 4 feet, and that the foundations are constructed in compliance with the recommendations discussed in Section 5.0 of this report.**

In using the above net allowable soil bearing pressures, the weight of the foundation and backfill over the foundation need not be considered. Hence, only loads applied at or above the minimum finished grade adjacent to the footing need to be used for dimensioning the foundations. Each new foundation should be positioned so it does not induce significant pressure on adjacent foundations; otherwise the stress overlap must be considered in the design.

All exterior foundations and foundations in unheated areas should be located at a depth of at least 24 inches below final exterior grade for frost protection. We recommend that strip footings be at least 18 inches wide and column footings be at least 24 inches wide. We estimate that the total foundation settlement should not exceed approximately 1 inch and that differential settlement should not exceed about $\frac{3}{4}$ inch for footings bearing at shallow depths on stiff clay or structural fill. Careful field control during construction is necessary to minimize the actual settlement that will occur.

Positive drainage of surface water, including downspout discharge, should be maintained away from structure foundations to avoid wetting and weakening of the foundation soils both during construction and after construction is complete.

4.4 Floor Slabs

The stiff silty clay soil encountered in the test boring is suitable for floor slab report after the removal of any shallow soft clay has taken place. Based upon the conditions in the test boring, we estimate that the upper 24 inches of clay subgrade will require over-excavation and replacement or moisture conditioning prior to construction of floor slabs. *Due to the low site elevation and proneness of the area to flooding, some additional undercutting to remove shallow clays with high moisture contents may be required prior to the placement of the granular base course, depending upon seasonal conditions.*

If floor slabs are to be constructed in the area of the old barn, care should be taken to ensure that the barn foundations and other remnants are completely removed from the floor slab area.

We recommend that all floor slabs be designed as "floating", that is, fully ground supported and not structurally connected to walls or foundations. This is to minimize the possibility of cracking and displacement of the floor slab because of differential movements between the slab and the foundation. Although the movements are estimated to be within the tolerable limits for the structural safety, such movements could be detrimental to the slabs if they were rigidly connected to the foundations.

The building floor slab should be supported on a minimum 6-inch thick, granular base course, bearing on a suitably prepared subgrade (refer to Section 5.0 Construction Considerations). The granular base course is expected to help distribute loads and equalize moisture conditions beneath the slab. All slabs should be liberally jointed and designed with the appropriate reinforcement for the anticipated loading conditions.

4.5 Modulus of Subgrade Reaction

A modulus of subgrade reaction, "K₃₀", value of **100** pounds per cubic inch (pci) is recommended for the design of ground supported floor slabs. It should be noted that the "K₃₀" modulus is based on a 30-inch diameter plate load test and a CBR value of **2.0**.

4.6 Access Road and Parking Area

No test borings were performed for the tower access drive. It is possible that conditions different than those encountered at the tower location may exist along the access drive. Therefore, the following discussion should be considered general in nature in regards to access road and parking areas.

The near surface lean clay (CL) soil encountered in the test boring is generally suitable for support of the access road and parking area after some remediation. The near surface soil encountered in the test boring was soft and may require some over-excavation and replacement (probably 24 inches or less) prior to placement of the granular base course.

*Based upon information provided in the project Site Data Package, the access drive/parking lot design for this project will consist of 3" to 6" of crushed stone fill. A pavement section without asphalt or concrete surface cover will require regular maintenance due to degradation of soils caused by inclement weather, vegetation growth, and vehicular traffic. Therefore, the pavement section will require routine maintenance to keep the access drive and parking areas functional. **Given that the area is prone to flooding, some consideration should be given to increasing the crushed stone base thickness and/or utilizing Geogrid beneath the crushed stone roadway to provide separation from the clay subgrade and additional support for the access drive. If not properly prepared, the access drive and/or parking lot area may require additional maintenance beyond what is typical.***

Depending upon the time of year in which access road and parking areas are constructed the exposed subgrade may be soft. If soft areas are encountered during construction, the areas should be undercut and replaced with approved compacted structural fill as outlined in section 5.0 of this report. If construction is performed during a wet or cold period, the contractor will need to exercise care during the grading and fill placement activities in order to achieve the necessary subgrade soil support for the

access road (See Section 5.0 for Construction Considerations).

The base soil for the access road and parking will need to be firm and dry. The subgrade should be sloped properly in order to provide good base drainage. To minimize the effects of groundwater or surface water conditions, the base section for the driveway should be sufficiently high above adjacent ditches and properly graded to provide adequate drainage.

Our recommendations are based on the assumption that the access drive and parking areas will be constructed on proofrolled natural soils, or on structural fill overlying the same. Serviceable pavements can be achieved by different combinations of materials and thickness, varied to provide roughly equivalent strengths. In addition, local practice for existing pavement construction should be reviewed for other blends, combinations of materials that have been found satisfactory, and for applicable minimum standards.

4.7 **Seismic Considerations**

We have reviewed Section 1615 of the 2007 Kentucky Building Code (Modified 2006 International Building Code) with respect to the subsurface conditions disclosed by our geotechnical investigation and the following recommendations and comments are presented for your use in developing the seismic design criteria for the structural design. For structural design purposes, we recommend using a **Site Class of C** as defined by the 2007 Kentucky Building Code. Other earthquake resistant design parameters should be applied consistent with the minimum requirements of the Kentucky Building Code. The Site Class of C was based on clay with an average undrained shear strength of 1800 psf to a depth of 25 feet, dense sand with an average N-value of 40 blows per foot (bpf) from 25 feet to 50 feet, and very dense sand and/or gravel with an average N-value of 60 bpf from 50 to 100 feet.

5.0 CONSTRUCTION CONSIDERATIONS

5.1 Site Preparation

All areas that will support foundations, floors, pavements or newly placed structural fill must be properly prepared. All loose surficial soil, topsoil, fill and other unsuitable materials must be removed. Unsuitable materials include: **surficial trash and debris, old structure foundations**, old fill, frozen soil, relatively soft material, relatively wet soils, deleterious material, soils that exhibit a high organic content.

Prior to construction of floor slabs or pavements or the placement of new structural fill, the exposed subgrade (including the basement subgrade) must be evaluated by the Patriot representative. The evaluation should include proofrolling of the subgrade.

Care must be exercised during grading and fill placement operations. The combination of heavy construction equipment traffic and excess surface moisture can cause pumping and deterioration of the near surface soils. The severity of this potential problem depends to a great extent on the weather conditions prevailing during construction.

5.2 Foundation Excavations

Drilled Shaft Excavations

The drilled shaft excavations should be observed by *Patriot's* geotechnical engineer or his representative to verify that the foundations will bear at the specified minimum depth and with the minimum bearing requirements, as recommended in Section 4.2 of this report. To confirm adequate bearing, *Patriot's* site representative will visually examine a sample of the soils taken at the proposed bearing depth. Surface runoff or seepage water should be drained away from the drilled pier excavation and not be allowed to collect in the excavation.

Additional recommendations for drilled pier foundation construction are presented below:

- **If drilled pier excavations extend into the underlying sand layers, it is likely that casing and/or use of drilling fluid will be required to keep the excavation from collapsing. However, it should be noted that the use of drilling fluids can cause a reduction in shear strength and subsequent**

loss in skin friction capacity of the clay soils. Therefore, if drilled pier foundations are to bear in dense sand we recommend that the drilled piers be installed utilizing the dry method with vibratory casing installed into the sand layer in-lieu of the slurry method.

- The geotechnical engineer should be retained to document the shaft diameter, depth, cleanliness, plumbness, and type of end bearing material during pier construction.
- The foundation bearing material should be evaluated after the bottom of the hole is leveled, cleared of any mud and extraneous materials, and dewatered.
- The drilling equipment should have the capacity to produce a torque of at least 500,000 inch-pounds and a downward force of at least 50,000 pounds.
- Temporary protective steel casing should be available to be installed in the pier, if necessary, to prevent sidewall collapse and excessive mud and water intrusion into the opened excavation. The casing may be extracted as the excavation is filled with concrete. However, the protective casing should not be removed until the weight of concrete placed into the pier exceeds the ground water head.
- A positive head of concrete (minimum of 5 feet) should be maintained above the bottom of the casing during withdrawal and the contractor should prevent concrete from "hanging-up" inside the shell, which may allow soil and water intrusion below the shell.
- If groundwater seepage into the drilled pier excavation is less than 20 gallons per minute, pumps should be used to maintain less than two inches of water. After observation and evaluation of the pier bottom by the geotechnical engineer, the pumps should be removed and concrete placement initiated immediately. If water is flowing into the hole at a rate greater than 20 gallons per minute, the geotechnical engineer should be consulted for guidance.
- Concrete with slumps ranging between four and seven inches should be used for backfilling the piers.
- Concrete placement into the drilled hole should be directed through a centering device located at the ground surface. If significant groundwater inflow is encountered, a tremie pipe should be used during the concrete placement.
- Construction techniques used for drilled pier installation should conform to applicable Occupational Safety and Health Administration (OSHA) regulations.

Spread Footing & Mat Foundation Excavations

The exposed soil subgrade in the base of the foundation (except for foundations bearing on structural backfill) should be observed by a *Patriot* site representative to confirm that bearing material of adequate strength has been reached. Any localized soft soil zones encountered at the bearing elevation should be further excavated until adequate support materials encountered. The cavity should be backfilled with structural fill as defined below. **Structural fill used as backfill beneath spread footings or mat foundations should be limited to compacted lean clay (CL), DGA or #57 Stone placed and compacted in accordance with Section 5.3.**

When it is necessary to support the foundation on structural fill, then the fill pad must extend laterally a minimum distance beyond the edge of the mat foundation. The minimum structural pad width would correspond with a point at which an imaginary line extending downward from the outside edge of the footing at a 1H:2V slope intersects the surface of the natural soils. For example, if the depth to the bottom of excavation is 2 feet below the bottom of the foundation, the excavation would need to extend laterally beyond the edge of the footing at least 1 foot, as shown in Illustration A found at the conclusion of this report.

Excavation slopes should be maintained within OSHA requirements. In addition, we recommend that any surcharge fill or heavy equipment be kept at least 5 feet away from the edge of the excavation. In addition, excavations that occur near existing in-use foundations should be carefully performed, making a conscious effort not to undermine the support of the in-use foundations. If it is necessary to excavate soils adjacent to and below the bearing elevation of any in-use foundations *Patriot* should be contacted to make further recommendations regarding these excavations. Please refer to Illustration B in Appendix A for further details.

Construction traffic on the exposed surface of the bearing soils will potentially cause some disturbance of the subgrade and consequently loss of bearing capacity. However, the degree of disturbance can be minimized by proper protection of the exposed surface.

5.3 Structural Fill and Fill Placement Control

Structural fill, defined as any fill that will support structural loads, should be clean and free of organic material, debris, deleterious materials and frozen soils. Samples of the proposed fill materials should be tested prior to initiating the earthwork and backfilling operations to determine the classification, natural and optimum moisture contents, maximum dry density and overall suitability as a structural fill.

All structural fill placed beneath floor slabs and above the foundation bearing elevation should be compacted to at least 95 percent of its maximum Standard Proctor dry density (ASTM D-698). This minimum compaction requirement should be increased to 100 percent of the maximum Standard Proctor dry density for fill supporting footings, provided foundations are designed as outlined in Recommendations, Section 4.2.

It may be necessary to scarify and recompact the near surface soil prior to placement of the pavement sections. Any fill placed or recompact within 1 ft of the base of the pavement section should also be compacted to at least 100 percent of the Standard Proctor maximum dry density. This can be reduced to 95 percent for engineered fill placed more than 1 ft below the base of the pavement section.

To achieve the recommended compaction of the structural fill, we suggest that the fill be placed and compacted in layers not exceeding eight inches in loose thickness. A Patriot soils engineer or his representative should monitor all fill placements.

5.4 Groundwater

Groundwater was encountered during drilling at a depth of 33.5 feet, and at the completion of drilling at a depth of 28.0 feet.

Groundwater inflow into shallow excavations above the groundwater table is expected to be adequately controlled by conventional methods such as gravity drainage and/or pumping from sumps. More significant inflow can be expected in deeper excavations below the groundwater table requiring more aggressive dewatering techniques, such as well or wellpoint systems. For groundwater to have minimal effects on the construction, foundation excavations should be constructed and poured in the same day, if possible.

6.0 INVESTIGATIONAL PROCEDURES

6.1 Field Work

A total of 1 boring was performed at the project site on June 16, 2009 at the approximate location shown on the Boring Location Plan in Appendix A. The boring was drilled to a termination depth of 40 feet. All depths are given as feet below the existing ground surface.

The borings were advanced using 3¼" I.D. (inside diameter) hollow-stem augers. Samples were recovered in the undisturbed material below the bottom of the augers using the standard drive sample technique in accordance with ASTM D 1586-74. A 2" O.D. by 1¾" I.D. split-spoon sampler was driven a total of 18 inches with the number of blows of a 140-pound hammer falling 30 inches of penetration is the Standard Penetration Test result commonly referred to as the N-value (or blow-count). Split-spoon samples were recovered at 2.5-foot intervals, beginning at a depth of 1 foot below the existing surface grade, extending to the auger refusal depth. Water levels were monitored at each borehole location during drilling and upon completion of the boring. The borehole was backfilled with auger cuttings prior to demobilization for safety considerations.

Upon completion of the boring program, all of the samples retrieved during drilling in this sampling program were returned to *Patriot's* soils testing laboratory where they were visually examined and classified. A laboratory generated log of each boring was prepared based upon the driller's field log, laboratory test results, and our visual classification. Test boring logs and a description of the classification system are included in Appendix A in this report. Indicated on each log are the primary strata encountered, the approximate depth of each stratum change, depth of sample, the Standard Penetration Test results, groundwater conditions, and select laboratory test data. The laboratory logs were prepared for each boring giving the appropriate sample data and the textural description and classification.

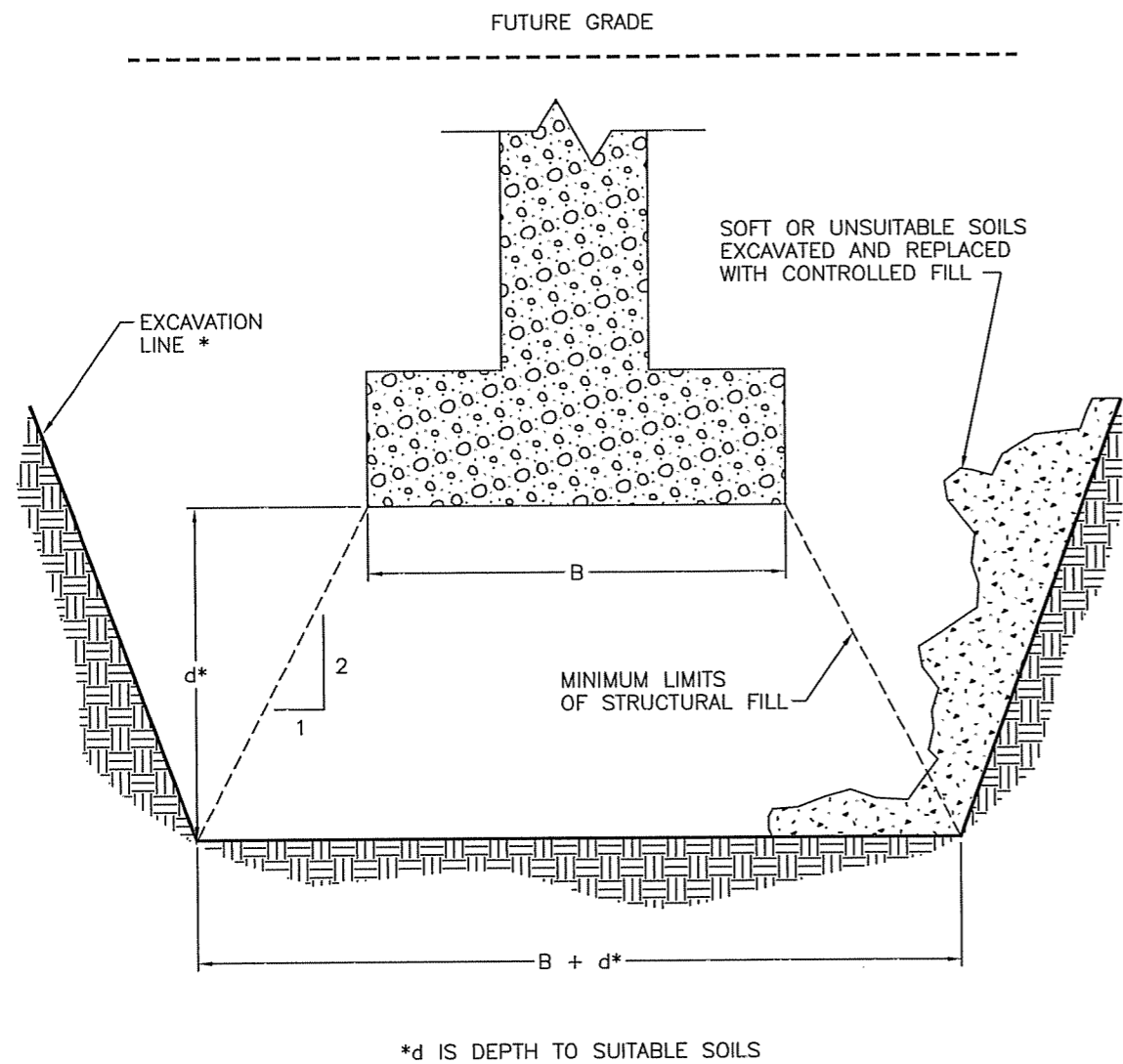
6.2 Laboratory Testing

Representative samples recovered in the borings were selected for testing in the laboratory to evaluate their physical properties and engineering characteristics. Laboratory analyses included natural moisture content determinations (ASTM D 2216), an estimate of unconfined compressive strength testing by use of a calibrated hand

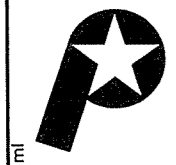
penetrometer. The results of all laboratory tests are shown on the boring log.

7.0 ILLUSTRATIONS

See Illustrations A and B on the following pages. These illustrations are presented to further visually clarify the Construction Considerations presented in Section 5.2.



* IN COMPLIANCE WITH OSHA STANDARDS

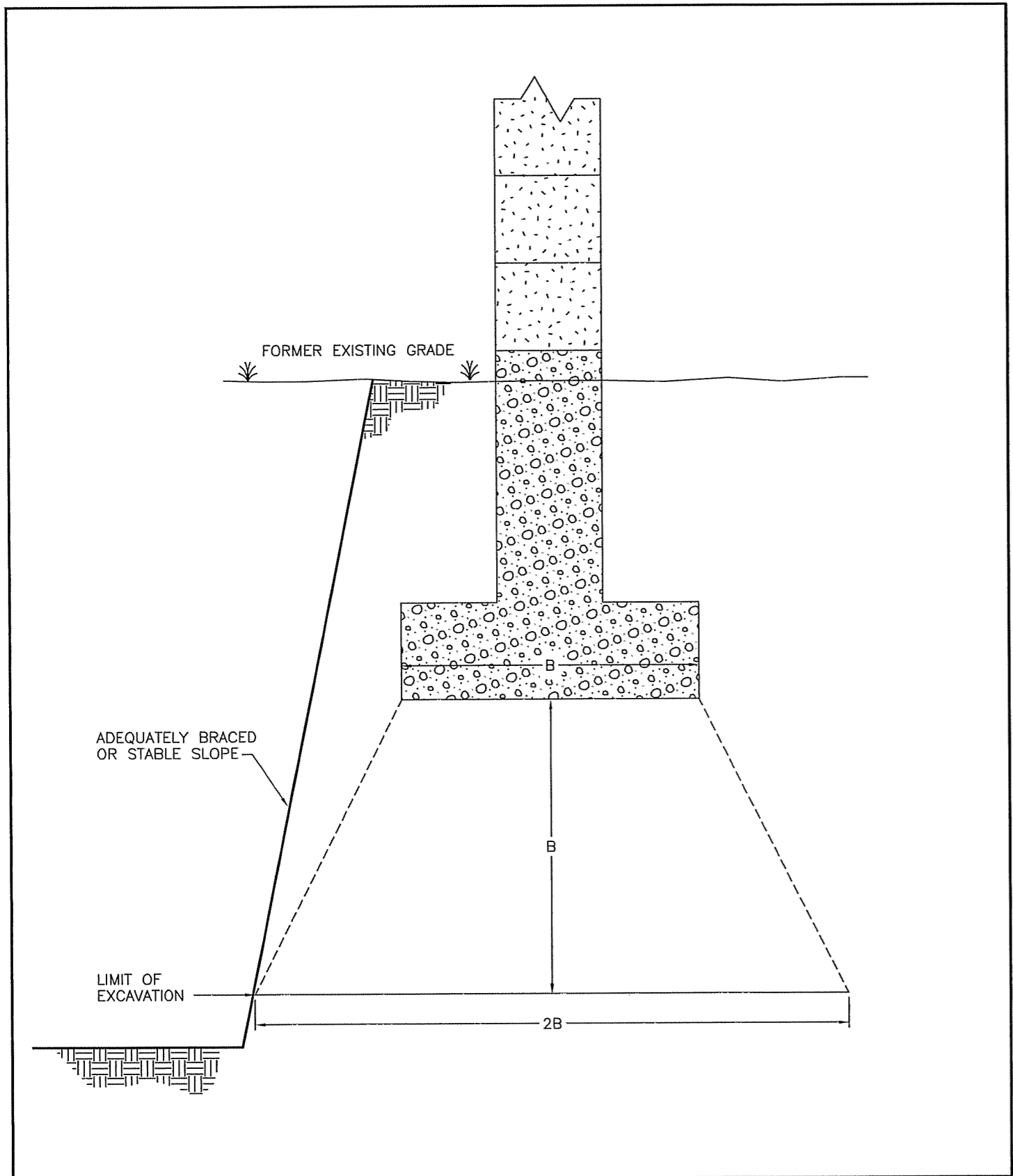



PATRIOT ENGINEERING
and Environmental, Inc.
4735 Poplar Level Road, Suite 1
(502)961-5652 FAX (502)961-9256

Excavation for Footings
In an Area of Fill
ILLUSTRATION A

job. no.: PAT-UC

figure: 1



 <p> PATRIOT ENGINEERING and Environmental, Inc. 4735 Poplar Level Road, Suite 1 (502)961-5652 FAX (502)961-9256 </p>	Excavation Near Existing In Use Foundations ILLUSTRATION B	
	job. no.: PAT-UC1	figure: 1

APPENDIX A

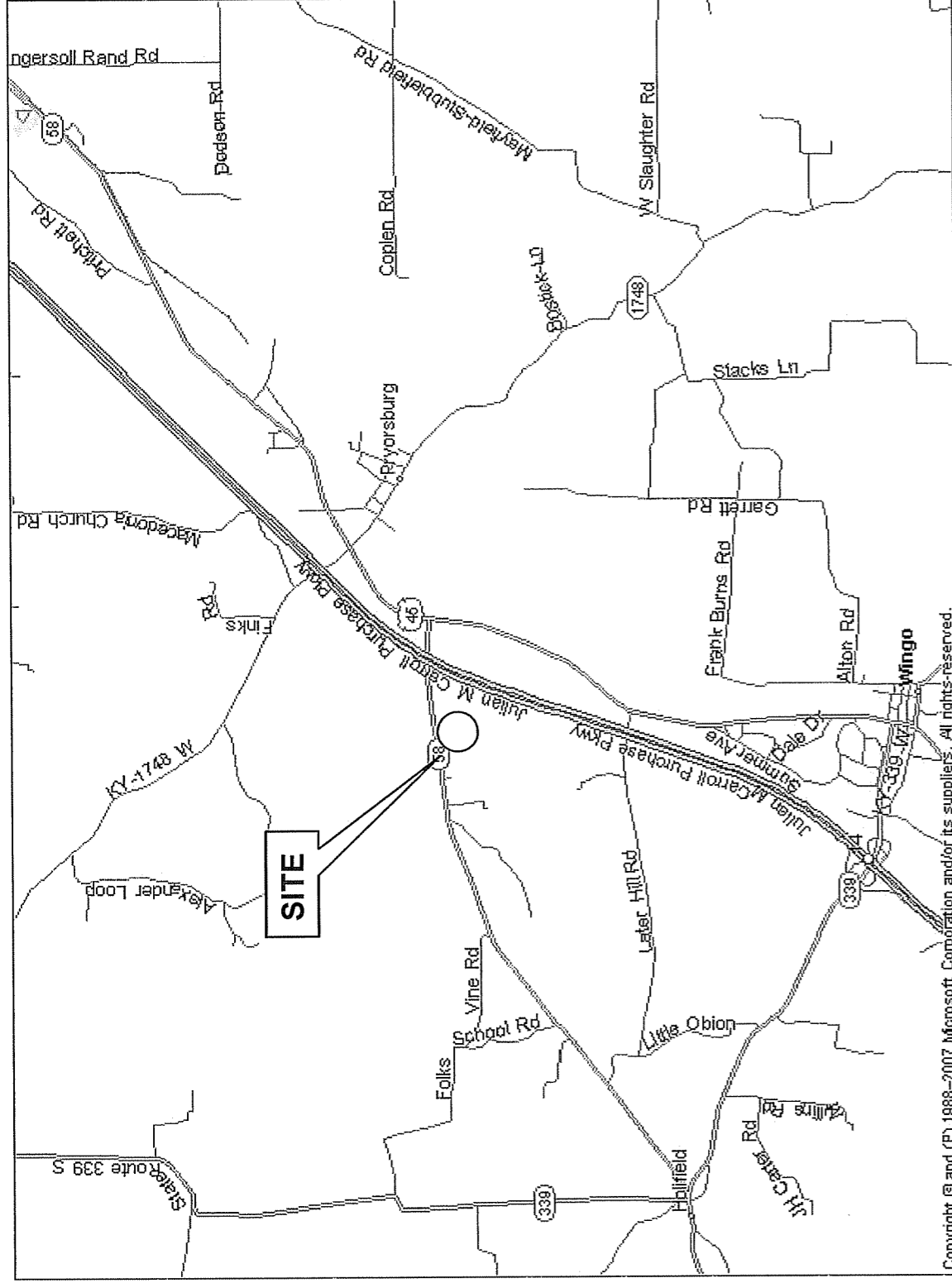
Site Vicinity Map

Boring Location Map

Boring Logs

Boring Log Key

Unified Soils Classification (USCS)



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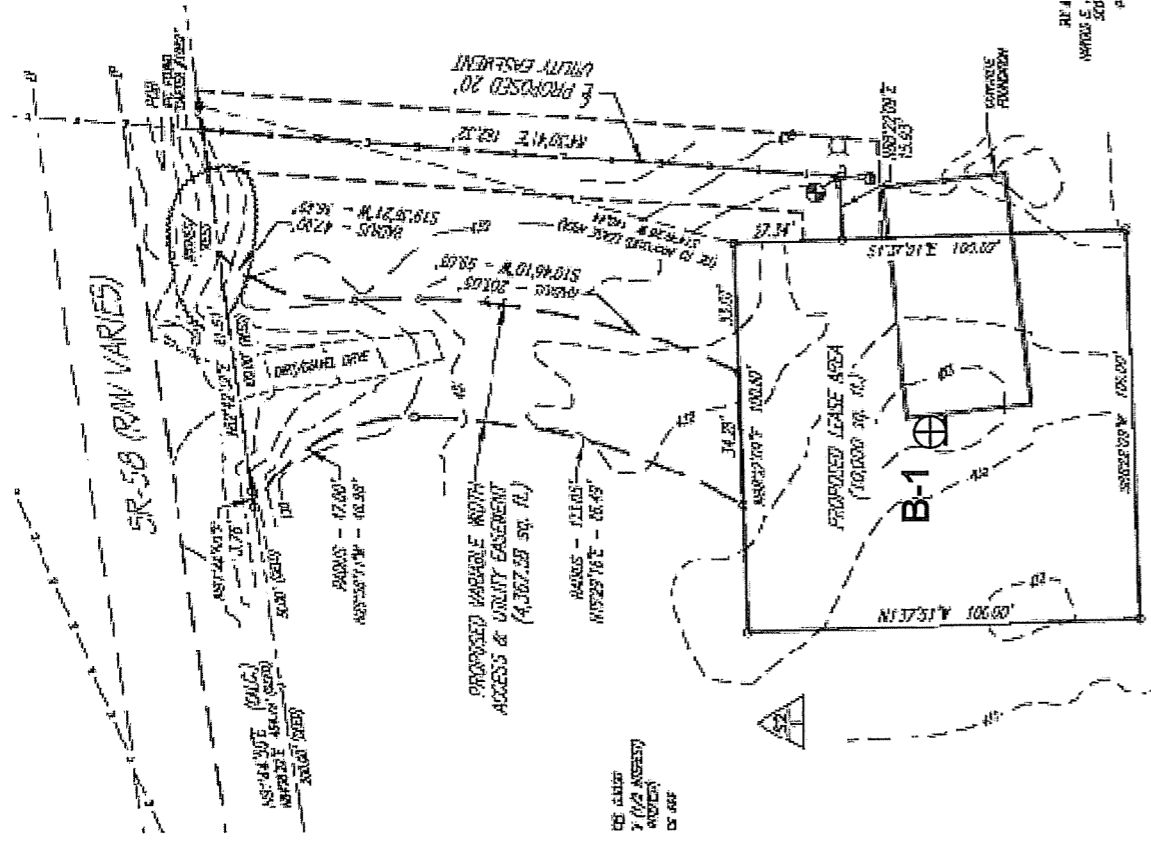
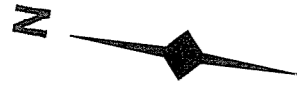


PATRIOT ENGINEERING
and Environmental, Inc.
Louisville, Kentucky 40299

Site Vicinity Map
Prynorsburg Cell Tower
3133 State Route 58
Prynorsburg, Kentucky

Job No. 5-09-0512

Figure 1



PATRIOT ENGINEERING
and Environmental, Inc.
Louisville, Kentucky 40299

Boring Location Map

Pryorsburg Cell Tower
3133 State Route 58
Pryorsburg, Kentucky

Job No. 5-09-0512

Figure 2



PATRIOT ENGINEERING
and Environmental Inc.
Indianapolis, Terre Haute, Evansville,
Fort Wayne, South Bend, Lafayette,
Louisville KY, Dayton OH,
Charleston IL

LOG OF BORING B-1

(Page 1 of 1)

Pryorsburg Cell Tower
3133 State Route 58
Pryorsburg, Kentucky

Client Name : Nsoro
Project Number : 5-09-0512
Logged By : W. Hemp
Start Date : 6/18/2009
Drilling Method : HSA

Driller : H. Popp
Sampling : Splitspoon
Approximate Elevation : 409.0
Drill Rig : CME-750 ATV

Depth in Feet	Water Level	USCS	GRAPHIC	DESCRIPTION	Samples	Rec %	SPT Results	qp tsf	w %	REMARKS	
											Water Levels
0				Topsoil (2")							
		CL		SILTY CLAY, light brown mottled gray, moist, soft to stiff	⊗	100	2/2/3	1.25	29		
5		CL		SILTY CLAY, light brown mottled gray, moist, stiff to very stiff	⊗	100	4/7/8	1.25	24		
					⊗	100	4/7/8	2.5	24		
					⊗	100	5/7/9	1.75	24		
10		CL		SILTY CLAY, red and brown, moist, stiff to very stiff	⊗	100	4/6/9	-	19		
15											
20		CL		SANDY CLAY, red, moist, stiff to very stiff	⊗	100	3/6/10	-	14		
25		CL		SILTY CLAY, light brown, moist, very stiff, w/ fine to coarse weathered chert pebbles	⊗	67	14/14/16	-	8		
30	▽			SILTY SAND, yellowish brown to white, fine-grained, very moist to saturated, dense	⊗	94	5/18/18	-	16	Boring caved to 29.0' upon auger removal.	
35	▼	SM			⊗	100	6/19/23	-	24		
40					⊗	100	5/17/25	-	19		
				Boring terminated at 40.0'							
45											

BORING LOG KEY

UNIFIED SOIL CLASSIFICATION SYSTEM FIELD CLASSIFICATION SYSTEM FOR SOIL EXPLORATION

NON COHESIVE SOILS (Silt, Sand, Gravel and Combinations)

Density		Grain Size Terminology		
		Soil Fraction	Particle Size	US Standard Sieve Size
Very Loose	-5 blows/ft. or less			
Loose	-6 to 10 blows/ft.			
Medium Dense	-11 to 30 blows/ft.	Boulders	Larger than 12"	Larger than 12"
Dense	-31 to 50 blows/ft.	Cobbles	3" to 12"	3" to 12"
Very Dense	-51 blows/ft. or more	Gravel: Coarse	¾" to 3"	¾" to 3"
		Small	4.76mm to ¾"	#4 to ¾"
		Sand: Coarse	2.00mm to 4.76mm	#10 to #4
		Medium	0.42mm to 2.00mm	#40 to #10
		Fine	0.074mm to 0.42mm	#200 to #40
		Silt	0.005mm to 0.074 mm	Smaller than #200
		Clay	Smaller than 0.005mm	Smaller than #200

RELATIVE PROPORTIONS FOR SOILS

Descriptive Term	Percent
Trace	1 - 10
Little	11 - 20
Some	21 - 35
And	36 - 50

COHESIVE SOILS (Clay, Silt and Combinations)

Consistency	Field Identification	Unconfined Compressive Strength (tons/sq. ft.)
Very Soft	Thumb will penetrate soil more than 1 inch	Less than 0.25
Soft	Thumb will penetrate soil about 1 inch	0.25 - < 0.5
Medium Stiff	Thumb will penetrate soil about ½ inch	0.5 - < 1.0
Stiff	Thumb will indent soil about ¼ inch	1.0 - < 2.0
Very Stiff	Readily indented by thumbnail	2.0 - < 4.0
Hard	Indented with difficulty by thumbnail	Over 4.0

Classification on logs are made by visual inspection.

Standard Penetration Test - Driving a 2.0" O.D., 1^{3/8}" I.D., sampler a distance of 1.0 foot into undisturbed soil with a 140 pound hammer free falling a distance of 30.0 inches. It is customary for **Patriot** to drive the spoon 6.0 inches to seat into undisturbed soil, then perform the test. The number of hammer blows for seating the spoon and making the tests are recorded for each 6.0 inches of penetration on the drill log (Example - 6/8/9). The standard penetration test results can be obtained by adding the last two figures (i.e. 8 + 9 = 17 blows/ft.).

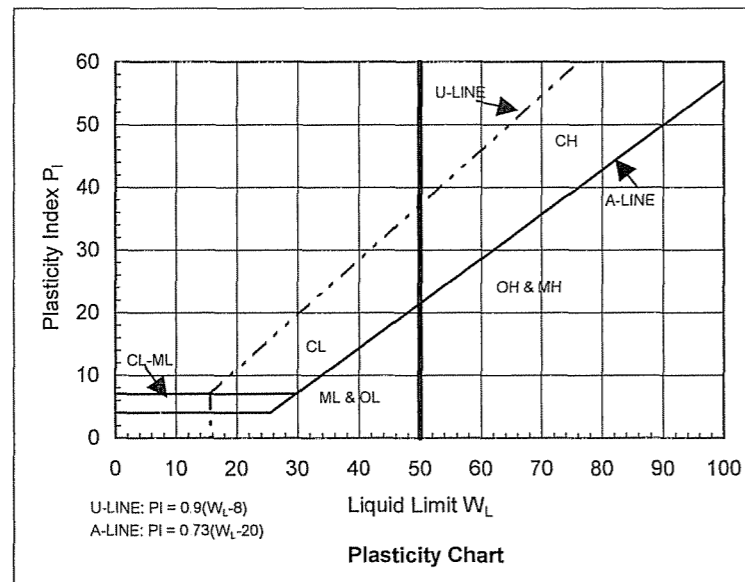
Strata Changes - In the column "Soil Descriptions" on the drill log the horizontal lines represent strata changes. A solid line (————) represents an actually observed change, a dashed line (- - - - -) represents an estimated change.

Groundwater 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.

Groundwater symbols: ▼-observed groundwater elevation, encountered during drilling; ▽-observed groundwater elevation upon completion of boring.

Unified Soil Classification

Major Divisions		Group Symbol	Typical Names	Classification Criteria for Coarse-Grained Soils			
Coarse-grained soils (more than half of material is larger than No. 200)	Gravels (more than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_u \geq 4$ $1 \leq C_c \leq 3$	$C_u = \frac{D_{60}}{D_{10}}$ $C_c = \frac{D_{30}^2}{D_{10} D_{60}}$	
		Gravels with fines (appreciable amount of fines)	GM	$\frac{d}{u}$	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below A line or $P_i < 4$	Above A line with $4 < P_i < 7$ are borderline cases requiring use of dual symbols
			GC		Clayey gravels, gravel-sand-clay mixtures	Atterberg limits above A line or $P_i > 7$	
			GP		Poorly graded gravels, gravel-sand mixtures, little or no fines	Not meeting all gradation requirements for GW ($C_u < 4$ or $1 > C_c > 3$)	
	Sands (more than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_u \geq 6$ $1 \leq C_c \leq 3$	$C_u = \frac{D_{60}}{D_{10}}$ $C_c = \frac{(D_{30})^2}{D_{10} D_{60}}$	
		Sands with fines (appreciable amount of fines)	SM	$\frac{d}{u}$	Silty sands, sand-silt mixtures	Atterberg limits below A line or $P_i < 4$	Limits plotting in hatched zone with $4 \leq P_i \leq 7$ are borderline cases requiring use of dual symbols
			SC		Clayey sands, sand-clay mixtures	Atterberg limits above A line with $P_i > 7$	
			SP		Poorly graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for SW ($C_u < 6$ or $1 > C_c > 3$)	
			SM		Silty sands, sand-silt mixtures	Atterberg limits below A line or $P_i < 4$	Limits plotting in hatched zone with $4 \leq P_i \leq 7$ are borderline cases requiring use of dual symbols
			SC		Clayey sands, sand-clay mixtures	Atterberg limits above A line with $P_i > 7$	
Fine-grained soils (more than half of material is smaller than No. 200)	Silt and clays (liquid limit < 50)	ML		Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity	<ol style="list-style-type: none"> Determine percentages of sand and gravel from grain size curve. Depending on percentages of fines (fraction smaller than 200 sieve size), coarse-grained soils are classified as follows: Less than 5% - GW, GP, SW, SP More than 12% - GM, GC, SM, SC 5-12% - Borderline cases requiring dual symbols 		
		CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays			
		OL		Organic silts and organic silty clays of low plasticity			
	Silt and clays (liquid limit > 50)	MH		Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts			
		CH		Inorganic clays or high plasticity, fat clays			
		OH		Organic clays of medium to high plasticity, organic silts			
	Highly organic soils	PT		Peat and other highly organic soils			



APPENDIX B

General Qualifications

and

Standard Clause for Unanticipated Subsurface Conditions

GENERAL QUALIFICATIONS
of Patriot Engineering's Geotechnical Engineering Investigation

This report has been prepared at the request of our client for his use on this project. Our professional services have been performed, findings obtained, and recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied.

The scope of our services did not include any environmental assessment or investigation for the presence or absence of wetlands, hazardous or toxic materials in the soil, groundwater, or surface water within or beyond the site studied. Any statements in this report or on the test borings logs regarding vegetation types, odors or staining of soils, or other unusual conditions observed are strictly for the information of our client and the owner.

This report may not contain sufficient information for purposes of other parties or other uses. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the field and laboratory data presented in this report. Should there be any significant differences in structural arrangement, loading or location of the structure, our analysis should be reviewed.

The recommendations provided herein were developed from the information obtained in the test borings, which depict subsurface conditions only at specific locations. The analysis, conclusions, and recommendations contained in our report are based on site conditions as they existed at the time of our exploration. Subsurface conditions at other locations may differ from those occurring at the specific drill sites. The nature and extent of variations between borings may not become evident until the time of construction. If, after performing on-site observations during construction and noting the characteristics of any variation, substantially different subsurface conditions from those encountered during our explorations are observed or appear to be present beneath excavations we must be advised promptly so that we can review these conditions and reconsider our recommendations where necessary.

If there is a substantial lapse of time between the submission of our report and the start of work at the site, or if conditions have changed due to natural causes or construction operations at or adjacent to the site, we urge that our report be reviewed to determine the applicability of the conclusions and recommendations considering the changed conditions and time lapse.

We urge that Patriot be retained to review those portions of the plans and specifications that pertain to earthwork and foundations to determine whether they are consistent with our recommendations. In addition, we are available to observe construction, particularly the compaction of structural backfill and preparation of the foundations, and such other field observations as may be necessary.

In order to fairly consider changed or unexpected conditions that might arise during construction, we recommend the following verbiage (Standard Clause for Unanticipated Subsurface Conditions) be included in the project contract.

STANDARD CLAUSE FOR UNANTICIPATED SUBSURFACE CONDITIONS

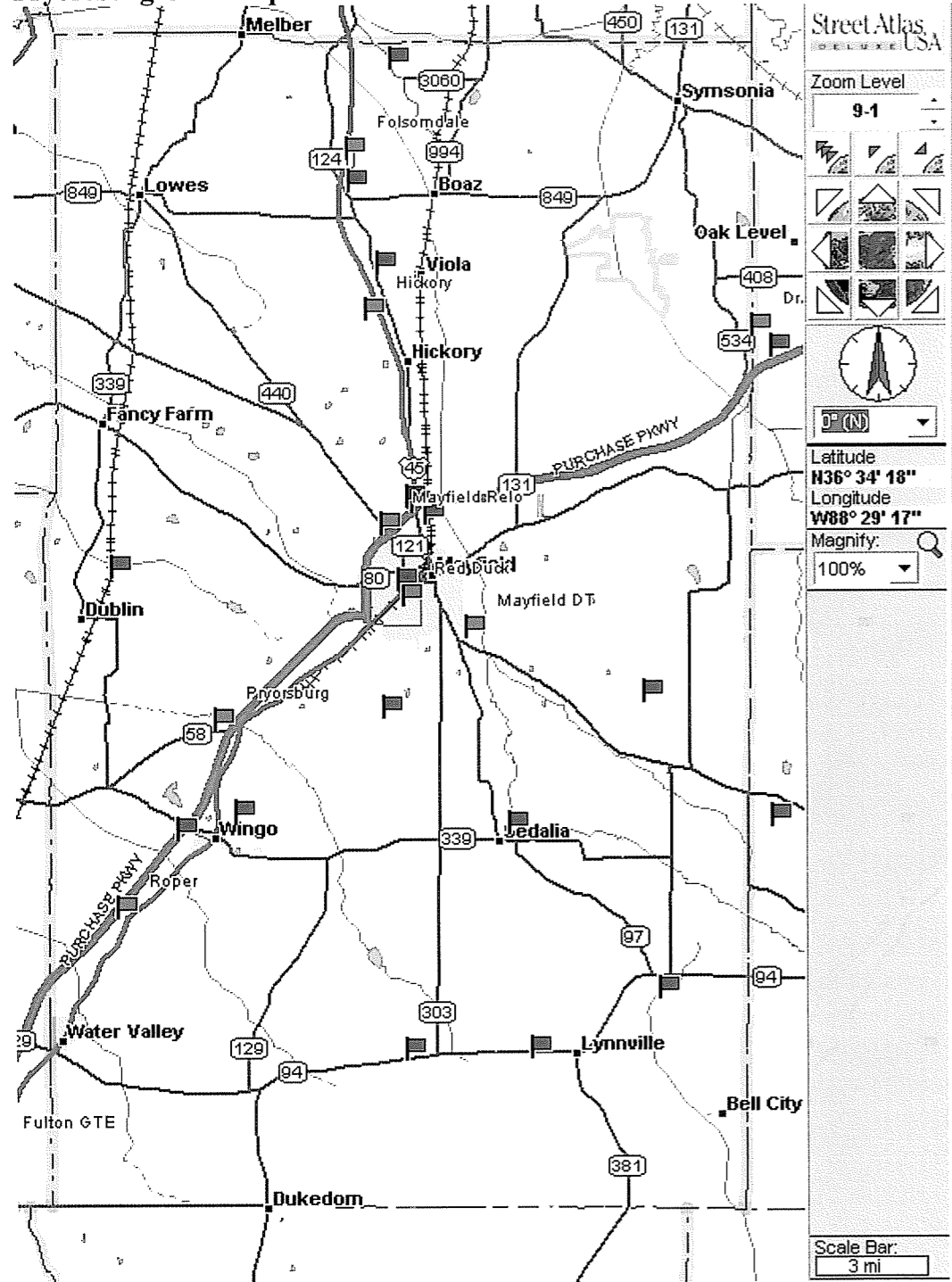
"The owner has had a subsurface exploration performed by a soils consultant, the results of which are contained in the consultant's report. The consultant's report presents his conclusions on the subsurface conditions based on his interpretation of the data obtained in the exploration. The contractor acknowledges that he has reviewed the consultant's report and any addenda thereto, and that his bid for earthwork operations is based on the subsurface conditions as described in that report. It is recognized that a subsurface exploration may not disclose all conditions as they actually exist and further, conditions may change, particularly groundwater conditions, between the time of a subsurface exploration and the time of earthwork operations. In recognition of these facts, this clause is entered in the contract to provide a means of equitable additional compensation for the contractor if adverse unanticipated conditions are encountered and to provide a means of rebate to the owner if the conditions are more favorable than anticipated.

At any time during construction operations that the contractor encounters conditions that are different than those anticipated by the soils consultant's report, he shall immediately (within 24 hours) bring this fact to the owner's attention. If the owner's representative on the construction site observes subsurface conditions which are different than those anticipated by the consultant's report, he shall immediately (within 24 hours) bring this fact to the contractor's attention. Once a fact of unanticipated conditions has been brought to the attention of either the owner or the contractor, and the consultant has concurred, immediate negotiations will be undertaken between the owner and the contractor to arrive at a change in contract price for additional work or reduction in work because of the unanticipated conditions. The contract agrees that the following unit prices would apply for additional or reduced work under the contract. For changed conditions for which unit prices are not provided, the additional work shall be paid for on a time and materials basis."

Another example of a changed conditions clause can be found in paper No. 4035 by Robert F. Borg, published in ASCE Construction Division Journal, No. CO2, September 1964, page 37.

Exhibit F

Pryorsburg Grid Map



Red Flags indicate AT&T existing and proposed locations.
Blue Flags indicate non-AT&T existing towers.

Competing Utilities, Corporations or Persons

American Towers

Crown Communication

SBA Towers

Verizon

Sprint / Nextel

T-Mobile

Bluegrass Cellular

Shared Sites

Cricket

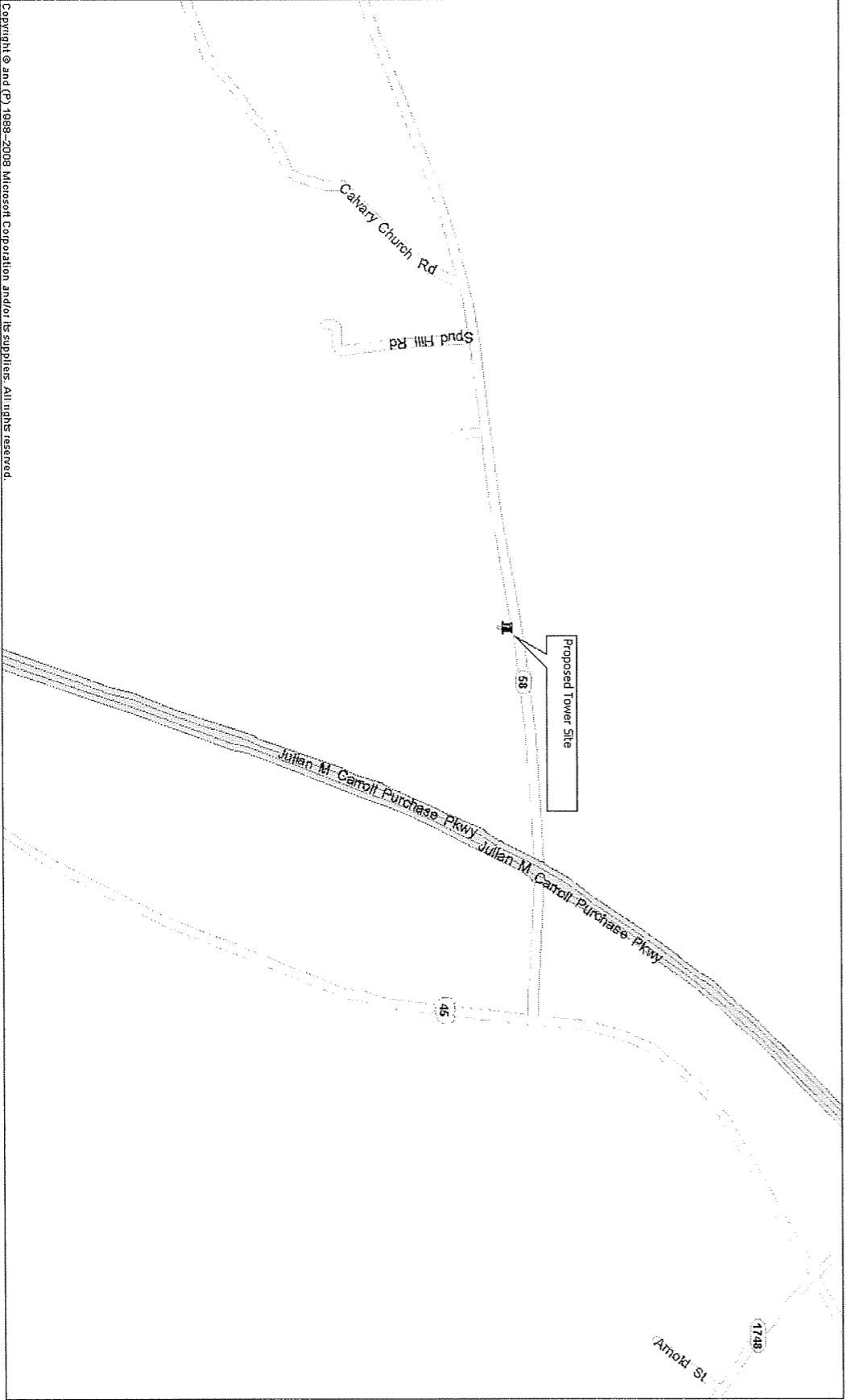


Exhibit G



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

Aeronautical Study No.
 2009-ASO-3627-OE

Issued Date: 08/07/2009

AT&T Mobility - Dana Irvin
 Muayyad Mustafa
 5601 Legacy Dr., MS: A3
 Plano, TX 75024

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

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

Structure: Antenna Tower Pryorsburg
 Location: Mayfield, KY
 Latitude: 36-40-56.30N NAD 83
 Longitude: 88-44-18.57W
 Heights: 280 feet above ground level (AGL)
 712 feet above mean sea level (AMSL)

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

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

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

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

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

This determination expires on 02/07/2011 unless:

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

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

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

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

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

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

If we can be of further assistance, please contact our office at (847) 294 8084. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2009-ASO-3627-OE.

Signature Control No: 638821-117603135

(DNE)

Carole Bernacchi
Technician

Attachment(s)
Frequency Data

Frequency Data for ASN 2009-ASO-3627-OE

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



KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR
Governor

90 Airport Road, Bldg 400
FRANKFORT, KY
www.transportation.ky.gov/aviation
502 564-4480

August 13, 2009

APPROVAL OF APPLICATION

APPLICANT:

A T & T MOBILITY LLC
MS LISA GLASS
5310 MARYLAND WAY
BRENTWOOD, TN 37027

SUBJECT: AS-042-M25-2009-135

STRUCTURE: Antenna Tower
LOCATION: Pryorsburg, KY
COORDINATES: 36° 40' 56.3" N / 88° 44' 18.57" W
HEIGHT: 270' AGL/702' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 270' AGL/ 702' AMSL Antenna Tower near Pryorsburg, KY 36° 40' 56.3" N / 88° 44' 18.57" W.

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

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

M-Dual Obstruction Lighting is required.

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

John Houlihan
Administrator



An Equal Opportunity Employer M/F/D

Exhibit H

ULS License

Cellular License - KNKN830 - NEW CINGULAR WIRELESS PCS, LLC

Call Sign KNKN830 Radio Service CL - Cellular
 Status Active Auth Type Regular

Market

Market CMA443 - Kentucky 1 - Fulton Channel Block A
 Submarket 0 Phase 2

Dates

Grant 08/21/2001 Expiration 10/01/2011
 Effective 02/08/2007 Cancellation

Five Year Buildout Date

02/11/1997

Control Points

1 1650 Lyndon Farms Court, LOUISVILLE, KY
 P: (502)332-4700

Licensee

FRN 0003291192 Type Limited Liability Company

Licensee

NEW CINGULAR WIRELESS PCS, LLC P:(469)229-7422
 5601 LEGACY DRIVE, MS: A-3 F:(469)229-7297
 PLANO, TX 75024 E:KELLYE.E.ABERNATHY@CINGULAR.COM
 ATTN KELLYE E. ABERNATHY

Contact

AT&T MOBILITY LLC P:(202)255-1679
 DAVID C JATLOW F:(561)279-2097
 11760 US HIGHWAY 1 E:DAVID.JATLOW@CINGULAR.COM
 NORTH PALM BEACH, FL 33408

Ownership and Qualifications

Radio Service Type Mobile
 Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the Alien Ownership questions.

Basic Qualifications

The Applicant answered "No" to each of the Basic Qualification questions.

Demographics

Race
 Ethnicity Gender

Exhibit I

Market: SOUTH/TN-KY
Cell Site Number: 339G0157
Cell Site Name: Pcyorsburg
Fixed Asset Number: 10132775

OPTION AND STRUCTURE LEASE AGREEMENT

THIS OPTION AND LEASE AGREEMENT ("**Agreement**"), dated as of the latter of the signature dates below (the "**Effective Date**"), is entered into by Harold E. and Belinda J. Green and Scott D. Green, as individuals, having a mailing address of 3133 State Route 58, Mayfield, KY 42066 (hereinafter referred to as "**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 12555 Cingular Way, Alpharetta, GA 30004 (hereinafter referred to as "**Tenant**").

BACKGROUND

Landlord owns or controls that certain plot, parcel or tract of land, improved with a structure, together with all rights and privileges arising in connection therewith, located on Highway 58, in the County of Graves, State of Kentucky (collectively, the "**Property**"). Tenant desires to use a portion of the Property in connection with its federally licensed communications business. Landlord desires to grant to Tenant the right to use a portion of the Property in accordance with this Agreement.

The parties agree as follows:

1. OPTION TO LEASE.

(a) Landlord grants to Tenant an option (the "**Option**") to lease a portion of the Property consisting of: (i) approximately ten thousand (10,000) square feet of ground space for the placement of Tenant's radio cabinets plus the airspace above such those spaces; and

(ii) space for any structural steel or other improvements to support Tenant's equipment (collectively, the "**Equipment Space**"); and

(iii) that certain space on the building's rooftop and/or façades, as generally depicted on **Exhibit 1** annexed hereto and made a part hereof, where Tenant shall have the right to install its antennas (collectively, the "**Antenna Space**"); and

(iv) those certain areas where Tenant's conduits, wires, cables, cable trays and other necessary connections are located between the Equipment Space and the Antenna Space, and between the Equipment Space and the electric power, telephone, and fuel sources for the Property (hereinafter collectively referred to as "**Connections**"). Landlord agrees that Tenant shall have the right to install Connections between Tenant's equipment in the Equipment Space and Antenna Space; and between Tenant's equipment in the Equipment Space and the electric power, telephone, and fuel sources for the Property, and any other improvements. Landlord further agrees that Tenant shall have the non-exclusive right for ingress and egress to the Premises (as hereinafter defined), seven (7) days a week, twenty-four (24) hours a day, on foot or motor vehicle, including trucks, over such portion of the Premises as may be designated by the Landlord extending from the nearest public right-of-way to the Premises, together with the right to install, replace and maintain utility wires, poles, cables, conduits, pipes and other necessary connections over or along any right-of-way extending from the aforementioned public right-of-way to the Premises. Notwithstanding the foregoing, Tenant, to the extent feasible, shall locate all wires, conduits and cables on existing poles extending from the roadway into Landlord's Property. The Equipment Space, Antenna Space, Connections, Access, and Right-of-Way are hereinafter collectively referred to as the "**Premises.**"

8-10-07

Option Structure Lease
2007

(b) During the Option period and any extension thereof, and during the term of this Agreement, Tenant and its agents, engineers, surveyors and other representatives will have the right to enter upon the Property to inspect, examine, conduct soil borings, drainage testing, material sampling, radio frequency testing and other geological or engineering tests or studies of the Property (collectively, the "Tests"), to apply for and obtain licenses, permits, approvals, or other relief required of or deemed necessary or appropriate at Tenant's sole discretion for its use of the Premises and include without limitation applications for zoning variances, zoning ordinances, amendments, special use permits, and construction permits (collectively, the "Government Approvals"), initiate the ordering and/or scheduling of necessary utilities, and otherwise to do those things on or off the Property that, in the opinion of Tenant, are necessary in Tenant's sole discretion to determine the physical condition of the Property, the environmental history of the Property, Landlord's title to the Property and the feasibility or suitability of the Property for Tenant's Permitted Use, all at Tenant's expense. Tenant will not be liable to Landlord or any third party on account of any pre-existing defect or condition on or with respect to the Property, whether or not such defect or condition is disclosed by Tenant's inspection. Tenant will restore the Property to its condition as it existed at the commencement of the Option Term (as defined below), reasonable wear and tear and casualty not caused by Tenant excepted. In addition, Tenant shall indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or claims arising directly out of Tenant's Tests.

(c) In consideration of Landlord granting Tenant the Option, Tenant agrees to pay Landlord the sum of [REDACTED] within thirty (30) business days of the Effective Date. The Option will be for an initial term of one (1) year commencing on the Effective Date (the "Initial Option Term")

(d) The Option may be sold, assigned or transferred at any time by Tenant to Tenant's parent company or member if Tenant is a limited liability company or any affiliate or subsidiary of, or partner in, Tenant or its parent company or member, or to any third party agreeing to be subject to the terms hereof. Otherwise, the Option may not be sold, assigned or transferred without the written consent of Landlord, such consent not to be unreasonably withheld, conditioned or delayed. From and after the date the Option has been sold, assigned or transferred by Tenant to a third party agreeing to be subject to the terms hereof, Tenant shall immediately be released from any and all liability under this Agreement, including the payment of any rental or other sums due, without any further action.

(e) During the Initial Option Term and any extension thereof, Tenant may exercise the Option by notifying Landlord in writing. If Tenant exercises the Option then Landlord leases the Premises to the Tenant subject to the terms and conditions of this Agreement. If Tenant does not exercise the Option during the Initial Option Term, or any extension thereof, this Agreement will terminate and the parties will have no further liability to each other.

(f) If during the Initial Option Term or any extension thereof, or during the term of this Agreement if the Option is exercised, Landlord decides to subdivide, sell, or change the status of the zoning of the Premises, Property or any of Landlord's contiguous, adjoining or surrounding property (the "Surrounding Property," which includes (without limitation) the remainder of the structure) or in the event of foreclosure, Landlord shall immediately notify Tenant in writing. Any sale of the Property shall be subject to Tenant's rights under this Agreement. Landlord agrees that during the Initial Option Term or any extension thereof, or during the Term of this Agreement if the Option is exercised, Landlord shall not initiate or consent to any change in the zoning of the Premises, Property or Surrounding Property or impose or consent to any other restriction that would prevent or limit Tenant from using the Premises for the uses intended by Tenant as hereinafter set forth in this Agreement.

2. **PERMITTED USE.** Tenant may use the Premises for the transmission and reception of communications signals and the installation, construction, maintenance, operation, repair, replacement and upgrade of its communication fixtures and related equipment, cables, accessories and improvements, which may include a suitable support structure, associated antennas, I beams, equipment shelters or cabinets and fencing and any other items necessary to the successful and secure use of the Premises (collectively, the "Communication Facility"), as well as the right to test, survey and review title on the Property; Tenant further has the right, but not the obligation, to add, modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including, but not limited to, emergency 911 communication services, at no additional cost to Tenant or Landlord (collectively, the "Permitted Use"). Landlord and Tenant agree that any portion of the Communication Facility that may be conceptually described on Exhibit 1 will not be deemed

to limit Tenant's Permitted Use. If **Exhibit 1** includes drawings of the initial installation of the Communication Facility, Landlord's execution of this Agreement will signify Landlord's approval of **Exhibit 1**. For a period of ninety (90) days following the start of construction, Landlord grants Tenant, its subtenants, licensees and sublicensees, the right to use such portions of Landlord's Surrounding Property, as may reasonably be required during construction and installation of the Communications Facility. Tenant has the right to install and operate transmission cables from the equipment shelter or cabinet to the antennas, electric lines from the main feed to the equipment shelter or cabinet and communication lines from the main entry point to the equipment shelter or cabinet, and to make Property improvements, alterations, upgrades or additions appropriate for Tenant's use ("**Tenant Changes**"). Tenant Changes include the right to construct a fence around the Premises and undertake any other appropriate means to secure the Premises at the Tenant's expense. Tenant agrees to comply with all applicable governmental laws, rules, statutes and regulations, relating to its use of the Communication Facility on the Property. Tenant has the right to modify, supplement, replace, upgrade, expand the equipment, increase the number of antennas or relocate the Communication Facility within the Premises at any time during the term of this Agreement. Tenant will be allowed to make such alterations to the Property in order to accomplish Tenant's Changes or to insure that Tenant's Communication Facility complies with all applicable federal, state or local laws, rules or regulations. In the event Tenant desires to modify or upgrade the Communication Facility, and Tenant requires an additional portion of the Property (the "**Additional Premises**") for such modification or upgrade, Landlord agrees to lease to Tenant the Additional Premises, upon the same terms and conditions set forth herein, except that the Rent shall increase, in conjunction with the lease of the Additional Premises by a reasonable amount consistent with rental rates then charged for comparable portions of real property being in the same area. Landlord agrees to take such actions and enter into and deliver to Tenant such documents as Tenant reasonably requests in order to effect and memorialize the lease of the Additional Premises to Tenant.

3. TERM.

(a) The initial lease term will be five (5) years ("**Initial Term**"), commencing on the effective date of written notification by Tenant to Landlord of Tenant's exercise of the Option (the "**Term Commencement Date**"). The Initial Term will terminate on the fifth (5th) annual anniversary of the Term Commencement Date.

(b) This Agreement will automatically renew for four (4) additional five (5) year term(s) (each five (5) year term shall be defined as the "**Extension Term**"), upon the same terms and conditions unless the Tenant notifies the Landlord in writing of Tenant's intention not to renew this Agreement at least sixty (60) days prior to the expiration of the existing Term.

(c) If, at least sixty (60) days prior to the end of the fourth (4th) extended term, either Landlord or Tenant has not given the other written notice of its desire that the term of this Agreement end at the expiration of the fourth (4th) extended term, then upon the expiration of the fourth (4th) extended term this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of one (1) year, and for annual terms thereafter until terminated by either party by giving to the other written notice of its intention to so terminate at least six (6) months prior to the end of any such annual term. Monthly rental during such annual terms shall be equal to the rent paid for the last month of the fourth (4th) extended term. If Tenant remains in possession of the Premises after the termination of this Agreement then Tenant will be deemed to be occupying the Premises on a month to month basis (the "**Holdover Term**"), subject to the terms and conditions of this Agreement.

(d) The Initial Term, the Extension Term and the Holdover Term are collectively referred to as the Term ("**Term**").

4. RENT.

(a) Commencing on the first day of the month following the date that Tenant commences construction (the "**Rent Commencement Date**"), Tenant will pay the Landlord a monthly rental payment of [REDACTED] ("**Rent**"), at the address set forth above, on or before the fifth (5th) day of each calendar month in advance. In partial months occurring after the Rent Commencement Date, Rent will be prorated. The initial Rent payment will be forwarded by Tenant to Landlord within thirty (30) days after the Rent Commencement Date.

(b) In year one (1) of each Extension Term, the monthly Rent will increase by [REDACTED] over the Rent paid during the previous Term.

(c) All charges payable under this Agreement such as utilities and taxes shall be billed by Landlord within one (1) year from the end of the calendar year in which the charges were incurred; any charges beyond such period shall not be billed by Landlord, and shall not be payable by Tenant. The foregoing shall not apply to monthly rent which is due and payable without a requirement that it be billed by Landlord. The provisions of the foregoing sentence shall survive the termination or expiration of this Agreement.

5. APPROVALS.

(a) Landlord agrees that Tenant's ability to use the Premises is contingent upon the suitability of the Premises for Tenant's Permitted Use and Tenant's ability to obtain and maintain all Government Approvals. Landlord authorizes Tenant to prepare, execute and file all required applications to obtain Government Approvals for Tenant's Permitted Use under this Agreement and agrees to reasonably assist Tenant with such applications and with obtaining and maintaining the Government Approvals.

(b) Tenant has the right to obtain a title report or commitment for a leasehold title policy from a title insurance company of its choice and to have the Property surveyed by a surveyor of Tenant's choice. In the event Tenant determines, in its sole discretion, due to the title report results or survey results, that the condition of the Premises is unsatisfactory, Tenant will have the right to terminate this Agreement upon notice to Landlord.

(c) Tenant may also perform and obtain, at Tenant's sole cost and expense, soil borings, percolation tests, engineering procedures, environmental investigation or other tests or reports on, over, and under the Property, necessary to determine if the Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system, design, operations or Government Approvals.

6. TERMINATION. This Agreement may be terminated, without penalty or further liability, as follows:

(a) by either party on thirty (30) days prior written notice, if the other party remains in default under Paragraph 15 of this Agreement after the applicable cure periods;

(b) by Tenant upon written notice to Landlord, if Tenant is unable to obtain, or maintain, any required approval(s) or the issuance of a license or permit by any agency, board, court or other governmental authority necessary for the construction or operation of the Communication Facility as now and hereafter intended by Tenant or if Tenant determines in its sole discretion that the cost of obtaining or retaining the same is commercially unreasonable; or

(c) by Tenant upon written notice to Landlord for any reason at any time prior to commencement of construction by Tenant; or

(d) by Tenant upon sixty (60) days prior written notice to Landlord for any reason or no reason, so long as Tenant pays Landlord a termination fee equal to three (3) months Rent, at the then current rate; provided, however, that no such termination fee will be payable on account of the termination of this Agreement by Tenant under any one or more of Paragraphs 5(b), 6(a), 6(b), 6(c), 8, 11(d), 18, 19 or 23(j) of this Agreement.

7. INSURANCE.

Tenant will carry during the Term, at its own cost and expense, the following insurance: (i) "All Risk" property insurance for its property's replacement cost; (ii) commercial general liability insurance with a minimum limit of liability of Two Million Five Hundred Thousand Dollars \$2,500,000 combined single limit for bodily injury or death/property damage arising out of any one occurrence; and (iii) Workers' Compensation Insurance as required by law. The coverage afforded by Tenant's commercial general liability insurance shall apply to Landlord as an additional insured, but only with respect to Landlord's liability arising out of its interest in the Property.

8. INTERFERENCE.

(a) Where there are existing radio frequency user(s) on the Property, the Landlord will provide Tenant with a list of all existing radio frequency user(s) on the Property to allow Tenant to evaluate the potential for interference. Tenant warrants that its use of the Premises will not interfere with existing radio frequency

user(s) on the Property so disclosed by Landlord, as long as the existing radio frequency user(s) operate and continue to operate within their respective frequencies and in accordance with all applicable laws and regulations.

(b) Landlord will not grant, after the date of this Agreement, a lease, license or any other right to any third party for use of the Property, if such use may in any way adversely affect or interfere with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will notify Tenant in writing prior to granting any third party the right to install and operate communications equipment on the Property.

(c) Landlord will not use, nor will Landlord permit its employees, tenants, licensees, invitees or agents to use, any portion of the Property in any way which interferes with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will cause such interference to cease within twenty-four (24) hours after receipt of notice of interference from Tenant. In the event any such interference does not cease within the aforementioned cure period then the parties acknowledge that Tenant will suffer irreparable injury, and therefore, Tenant will have the right, in addition to any other rights that it may have at law or in equity, for Landlord's breach of this Agreement, to elect to enjoin such interference or to terminate this Agreement upon notice to Landlord.

9. INDEMNIFICATION.

(a) Tenant agrees to indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or liability (or any claims in respect of the foregoing), costs or expenses (including reasonable attorneys' fees and court costs) arising directly from the installation, use, maintenance, repair or removal of the Communication Facility or Tenant's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Landlord, its employees, agents or independent contractors.

(b) Landlord agrees to indemnify, defend and hold Tenant harmless from and against any and all injury, loss, damage or liability (or any claims in respect of the foregoing), costs or expenses (including reasonable attorneys' fees and court costs) arising directly from the actions or failure to act of Landlord or its employees or agents, or Landlord's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Tenant, its employees, agents or independent contractors.

(c) Notwithstanding anything to the contrary in this Agreement, Tenant and Landlord each waives any claims that each may have against the other with respect to consequential, incidental or special damages.

10. WARRANTIES.

(a) Tenant and Landlord each acknowledge and represent that it is duly organized, validly existing and in good standing and has the right, power and authority to enter into this Agreement and bind itself hereto through the party set forth as signatory for the party below.

(b) Landlord represents and warrants that: (i) Landlord solely owns the Property as a legal lot in fee simple, or controls the Property by lease or license and solely owns the structure; (ii) the Property is not encumbered by any liens, restrictions, mortgages, covenants, conditions, easements, leases, or any other agreements of record or not of record, which would adversely affect Tenant's Permitted Use and enjoyment of the Premises under this Agreement; (iii) as long as Tenant is not in default then Landlord grants to Tenant sole, actual, quiet and peaceful use, enjoyment and possession of the Premises; (iv) Landlord's execution and performance of this Agreement will not violate any laws, ordinances, covenants or the provisions of any mortgage, lease or other agreement binding on the Landlord; and (v) if the Property is or becomes encumbered by a deed to secure a debt, mortgage or other security interest, Landlord will provide promptly to Tenant a mutually agreeable Subordination, Non-Disturbance and Attornment Agreement.

11. ENVIRONMENTAL.

(a) Landlord represents and warrants that the Property is free of hazardous substances as of the date of this Agreement, and, to the best of Landlord's knowledge, the Property has never been subject to any contamination or hazardous conditions resulting in any environmental investigation, inquiry or remediation. Landlord and Tenant agree that each will be responsible for compliance with any and all environmental and industrial hygiene laws, including any regulations, guidelines, standards, or policies of any governmental

authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene condition or other matters as may now or at any time hereafter be in effect, that are now or were related to that party's activity conducted in, or on the Property.

(b) Landlord and Tenant agree to hold harmless and indemnify the other from, and to assume all duties, responsibilities, and liabilities at the sole cost and expense of the indemnifying party for, payment of penalties, sanctions, forfeitures, losses, costs, or damages, and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding which is related to (i) the indemnifying party's failure to comply with any environmental or industrial hygiene law, including without limitation any regulations, guidelines, standards or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene conditions or matters as may now or hereafter be in effect, or (ii) any environmental or industrial hygiene conditions that arise out of or are in any way related to the condition of the Property and activities conducted by the party thereon, unless the environmental conditions are caused by the other party.

(c) The indemnifications of this Paragraph 11 specifically include reasonable costs, expenses and fees incurred in connection with any investigation of Property conditions or any clean-up, remediation, removal or restoration work required by any governmental authority. The provisions of this Paragraph 11 will survive the expiration or termination of this Agreement.

(d) In the event Tenant becomes aware of any hazardous materials on the Property, or any environmental or industrial hygiene condition or matter relating to the Property that, in Tenant's sole determination, renders the condition of the Premises or Property unsuitable for Tenant's use, or if Tenant believes that the leasing or continued leasing of the Premises would expose Tenant to undue risks of government action, intervention or third-party liability, Tenant will have the right, in addition to any other rights it may have at law or in equity, to terminate the Agreement upon notice to Landlord.

12. **ACCESS.** At all times throughout the Term of this Agreement, and at no additional charge to Tenant, Tenant and its employees, agents, and subcontractors, will have twenty-four (24) hour per day, seven (7) day per week pedestrian and vehicular access to and over the Property, from an open and improved public road to the Premises, for the installation, maintenance and operation of the Communication Facility and any utilities serving the Premises. Landlord grants to Tenant an easement for such access and Landlord agrees to provide to Tenant such codes, keys and other instruments necessary for such access at no additional cost to Tenant. Landlord acknowledges that in the event Tenant cannot access the Premises, Tenant shall incur significant damage. If Landlord fails to provide the access granted by this Paragraph 12, such failure shall be a default under this Lease. In connection with such default, in addition to any other rights or remedies available to Tenant under this Lease or at law or equity, Landlord shall pay Tenant, as liquidated damages and not as a penalty, \$500.00 per day in consideration of Tenant's damages, including, but not limited to, its lost profits, until Landlord cures such default. Landlord and Tenant agree that Tenant's damages in the event of a denial of access are difficult, if not impossible, to ascertain, and the liquidated damages set forth herein are a reasonable approximation of such damages. Upon Tenant's request, Landlord will execute a separate recordable easement evidencing this right. In the event any public utility is unable to use the access or easement provided to Tenant then the Landlord agrees to grant additional access or an easement either to Tenant or to the public utility, for the benefit of Tenant, at no cost to Tenant.

13. **REMOVAL/RESTORATION.** All portions of the Communication Facility brought onto the Property by Tenant will be and remain Tenant's personal property and, at Tenant's option, may be removed by Tenant at any time during the Term. Landlord covenants and agrees that no part of the Communication Facility constructed, erected or placed on the Premises by Tenant will become, or be considered as being affixed to or a part of, the Property, it being the specific intention of the Landlord that all improvements of every kind and nature constructed, erected or placed by Tenant on the Premises will be and remain the property of the Tenant and may be removed by Tenant at any time during the Term. Within one hundred twenty (120) days of the termination of this Agreement, Tenant will remove all of Tenant's above-ground improvements and Tenant will, to the extent reasonable, restore the Premises to its condition at the commencement of the Agreement, reasonable wear and tear and loss by casualty or other causes beyond Tenant's control excepted. Notwithstanding the foregoing, Tenant

will not be responsible for the replacement of any trees, shrubs or other vegetation, nor will Tenant be required to remove from the Premises or the Property any structural steel any foundations or underground utilities.

14. MAINTENANCE/UTILITIES.

(a) Tenant will keep and maintain the Premises in good condition, reasonable wear and tear and damage from the elements excepted. Landlord will maintain and repair the Property and access thereto, in good and tenable condition, subject to reasonable wear and tear and damage from the elements.

(b) Tenant will be responsible for paying on a monthly or quarterly basis all utilities charges for electricity, telephone service or any other utility used or consumed by Tenant on the Premises. In the event Tenant cannot secure its own metered electrical supply, Tenant will have the right, at its own cost and expense, to submeter from the Landlord. When submetering is required under this Agreement, Landlord will read the meter and provide Tenant with an invoice and usage data on a monthly basis. Landlord agrees that it will not include a markup on the utility charges. Landlord further agrees to provide the usage data and invoice on forms provided by Tenant and to send such forms to such address and/or agent designated by Tenant. Tenant will remit payment within thirty days of receipt of the usage data and required forms. Failure by Landlord to perform this function will limit utility fee recovery by Landlord to a 12-month period. If Tenant submeters electricity from Landlord, Landlord agrees to give Tenant at least 24 hours advanced notice of any planned interruptions of said electricity. Landlord acknowledges that Tenant provides a communication service which requires electrical power to operate and must operate twenty-four (24) hour per day, seven (7) day per week. If the interruption is for an extended period of time, in Tenant's reasonable determination, the Landlord agrees to allow Tenant the right to bring in a temporary source of power for the duration of the interruption. Landlord will fully cooperate with any utility company requesting an easement over, under and across the Property in order for the utility company to provide service to the Tenant. Landlord will not be responsible for interference with, interruption of or failure, beyond the reasonable control of Landlord, of such services to be furnished or supplied by Landlord.

15. DEFAULT AND RIGHT TO CURE.

(a) The following will be deemed a default by Tenant and a breach of this Agreement: (i) non-payment of Rent if such Rent remains unpaid for more than thirty (30) days after receipt of written notice from Landlord of such failure to pay; or (ii) Tenant's failure to perform any other term or condition under this Agreement within forty-five (45) days after receipt of written notice from Landlord specifying the failure. No such failure, however, will be deemed to exist if Tenant has commenced to cure such default within such period and provided that such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Tenant. If Tenant remains in default beyond any applicable cure period, Landlord will have the right to exercise any and all rights and remedies available to it under law and equity.

(b) The following will be deemed a default by Landlord and a breach of this Agreement: (i) failure to provide access to the Premises or to cure an interference problem within twenty-four (24) hours after receipt of written notice of such default; or (ii) Landlord's failure to perform any term, condition, or breach of any warranty or covenant under this Agreement within forty-five (45) days after receipt of written notice from Tenant specifying the failure. No such failure, however, will be deemed to exist if Landlord has commenced to cure the default within such period and provided such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Landlord. If Landlord remains in default beyond any applicable cure period, Tenant will have the right to exercise any and all rights available to it under law and equity, including the right to cure Landlord's default and to deduct the costs of such cure from any monies due to Landlord by Tenant.

16. ASSIGNMENT/SUBLEASE. Tenant will have the right to assign this Agreement or sublease the Premises and its rights herein, in whole or in part, without Landlord's consent. Upon notification to Landlord of such assignment, Tenant will be relieved of all future performance, liabilities and obligations under this Agreement.

17. **NOTICES.** All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notice will be addressed to the parties as follows:

If to Tenant: New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
Re: Cell Site #: 339G0157; Cell Site Name: Pryorsburg
Fixed Asset No: 10132775
12555 Cingular Way
Alpharetta, GA 30004

With a copy to: New Cingular Wireless PCS, LLC
Attn.: Legal Department
Re: Cell Site #: 339G0157; Cell Site Name: Pryorsburg
Fixed Asset No: 10132775
1025 Lenox Park Blvd., 5th Floor
5th Floor
Atlanta, GA 30319

If to Landlord: Mr. & Mrs. Harold Green/ Scott Green
3133 State Rte 58
Mayfield, KY 42066

Either party hereto may change the place for the giving of notice to it by thirty (30) days written notice to the other as provided herein.

- (b) In the event of a change in ownership, transfer or sale of the Property, within ten (10) days of such transfer, Landlord will send the below documents (in section 17(b)(i) to Tenant. In the event Tenant does not receive such appropriate documents, Tenant shall not be responsible for any failure to pay the current landlord
- (i) a. Old deed to Property
 - b. New deed to Property
 - c. Bill of Sale or Transfer
 - d. Copy of current Tax Bill
 - e. New W-9
 - f. New Payment Direction Form
 - g. Full contact information for new Landlord including all phone numbers

18. **CONDEMNATION.** In the event Landlord receives notification of any condemnation proceedings affecting the Property, Landlord will provide notice of the proceeding to Tenant within forty-eight (48) hours. If a condemning authority takes all of the Property, or a portion sufficient, in Tenant's sole determination, to render the Premises unsuitable for Tenant, this Agreement will terminate as of the date the title vests in the condemning authority. The parties will each be entitled to pursue their own separate awards in the condemnation proceeds, which for Tenant will include, where applicable, the value of its Communication Facility, moving expenses,

prepaid Rent, and business dislocation expenses, provided that any award to Tenant will not diminish Landlord's recovery. Tenant will be entitled to reimbursement for any prepaid Rent on a prorata basis.

19. **CASUALTY.** Landlord will provide notice to Tenant of any casualty affecting the Property within forty-eight (48) hours of the casualty. If any part of the Communication Facility or Property is damaged by fire or other casualty so as to render the Premises unsuitable, in Tenant's sole determination, then Tenant may terminate this Agreement by providing written notice to the Landlord, which termination will be effective as of the date of such damage or destruction. Upon such termination, Tenant will be entitled to collect all insurance proceeds payable to Tenant on account thereof and to be reimbursed for any prepaid Rent on a prorata basis. If notice of termination is given, or if Landlord or Tenant undertake to rebuild the Communications Facility, Landlord agrees to use its reasonable efforts to permit Tenant to place temporary transmission and reception facilities on the Property at no additional Rent until such time as Tenant is able to activate a replacement transmission facility at another location or the reconstruction of the Communication Facility is completed.

20. **WAIVER OF LANDLORD'S LIENS.** Landlord waives any and all lien rights it may have, statutory or otherwise, concerning the Communication Facility or any portion thereof. The Communication Facility shall be deemed personal property for purposes of this Agreement, regardless of whether any portion is deemed real or personal property under applicable law, and Landlord consents to Tenant's right to remove all or any portion of the Communication Facility from time to time in Tenant's sole discretion and without Landlord's consent.

21. **TAXES.** Landlord shall be responsible for payment of all ad valorem taxes levied upon the lands, improvements and other property of Landlord. Tenant shall be responsible for all taxes levied upon Tenant's leasehold improvements (including Tenant's equipment building and tower) on the Premises. Landlord shall provide Tenant with copies of all assessment notices on or including the Premises immediately upon receipt, but in no event later than thirty (30) days after receipt by Landlord. If Landlord fails to provide such notice within such time frame, Landlord shall be responsible for all increases in taxes for the year covered by the assessment. Tenant shall have the right to contest, in good faith, the validity or the amount of any tax or assessment levied against the Premises by such appellate or other proceedings as may be appropriate in the jurisdiction, and may defer payment of such obligations, pay same under protest, or take such other steps as Tenant may deem appropriate. This right shall include the ability to institute any legal, regulatory or informal action in the name of Landlord, Tenant, or both, with respect to the valuation of the Premises. Landlord shall cooperate in the institution and prosecution of any such proceedings and will execute any documents required therefore. The expense of any such proceedings shall be borne by Tenant and any refunds or rebates secured as a result of Tenant's action shall belong to Tenant.

22. **SALE OF PROPERTY/RIGHT OF FIRST REFUSAL.**

(a) If Landlord, at any time during the Term of this Agreement, decides to sell, subdivide or rezone any of the Premises, all or any part of the Property or Surrounding Property, to a purchaser other than Tenant, Landlord shall promptly notify Tenant in writing, and such sale, subdivision or rezoning shall be subject to this Agreement and Tenant's rights hereunder. Landlord agrees not to sell, lease or use any areas of the Property or Surrounding Property for the installation, operation or maintenance of other wireless communications facilities if such installation, operation or maintenance would interfere with Tenant's Permitted Use or communications equipment as determined by radio propagation tests performed by Tenant in its sole discretion, any such testing to be at the expense of Landlord or Landlord's prospective purchaser, and not Tenant. If the radio frequency propagation tests demonstrate levels of interference unacceptable to Tenant, Landlord shall be prohibited from selling, leasing or using any areas of the Property or the Surrounding Property for purposes of any installation, operation or maintenance of any other wireless communications facility or equipment. Landlord shall not be prohibited from the selling, leasing or use of any of the Property or the Surrounding Property for non-wireless communication use. In the event the Property is transferred, the new landlord shall have a duty at the time of such transfer to provide Tenant with a completed IRS Form W-9, or its equivalent, and other related paper work to

effect a transfer in Rent to the new landlord. The provisions of this Paragraph 22 shall in no way limit or impair the obligations of Landlord under Paragraph 8 above.

(b) If at any time after the Effective Date, Landlord receives a bona fide written offer from a third party seeking an assignment of the rental stream associated with this Agreement ("**Purchase Offer**"), Landlord shall immediately furnish Tenant with a copy of the Purchase Offer, together with a representation that the Purchase Offer is valid, genuine and true in all respects. Tenant shall have the right within thirty (30) days after it receives such copy and representation to match the Purchase Offer and agree in writing to match the terms of the Purchase Offer. Such writing shall be in the form of a contract substantially similar to the Purchase Offer. If Tenant chooses not to exercise this right of first refusal or fails to provide written notice to Landlord within the thirty (30) day period, Landlord may assign the rental stream pursuant to the Purchase Offer, subject to the terms of this Agreement (including without limitation the terms of this Paragraph 22, to the person or entity that made the Purchase Offer provided that (i) the assignment is on the same terms contained in the Purchase Offer and (ii) the assignment occurs within ninety (90) days of Tenant's receipt of a copy of the Purchase Offer. If such third party modifies the Purchase Offer or the assignment does not occur within such ninety (90) day period, Landlord shall re-offer to Tenant, pursuant to the procedure set forth in this Subparagraph 22(b), the assignment on the terms set forth in the Purchase Offer, as amended. The right of first refusal hereunder shall (i) survive any transfer of all or any part of the Property or assignment of all or any part of the Agreement; (ii) bind and inure to the benefit of, Landlord and Tenant and their respective heirs, successors and assigns; (iii) run with the land; and (iv) terminate upon the expiration or earlier termination of this Agreement.

23. MISCELLANEOUS.

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by an authorized agent of the Landlord and an authorized agent of the Tenant. No provision may be waived except in a writing signed by both parties.

(b) **Memorandum/Short Form Lease.** Either party will, at any time upon fifteen (15) business days prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum or Short Form of Lease. Either party may record this Memorandum or Short Form of Lease at any time, in its absolute discretion.

(c) **Bind and Benefit.** The terms and conditions contained in this Agreement will run with the Property and bind and inure to the benefit of the parties, their respective heirs, executors, administrators, successors and assigns.

(d) **Entire Agreement.** This Agreement and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the parties hereto and will supersede all prior offers, negotiations and agreements with respect to the subject matter of this Agreement.

(e) **Governing Law.** This Agreement will be governed by the laws of the state in which the Premises are located, without regard to conflicts of law.

(f) **Interpretation.** Unless otherwise specified, the following rules of construction and interpretation apply: (i) captions are for convenience and reference only and in no way define or limit the construction of the terms and conditions hereof; (ii) use of the term "including" will be interpreted to mean "including but not limited to"; (iii) whenever a party's consent is required under this Agreement, except as otherwise stated in the Agreement or as same may be duplicative, such consent will not be unreasonably withheld, conditioned or delayed; (iv) exhibits are an integral part of the Agreement and are incorporated by reference into this Agreement; (v) use of the terms "termination" or "expiration" are interchangeable; (vi) reference to a default will take into consideration any applicable notice, grace and cure periods; and (vii) to the extent there is any issue with respect to any alleged, perceived or actual ambiguity in this Agreement, the ambiguity shall not be resolved on the basis of who drafted the Agreement.

(g) **Estoppel.** Either party will, at any time upon twenty (20) business days prior written notice from the other, execute, acknowledge and deliver to the other a statement in writing (i) certifying that this Agreement is unmodified and in full force and effect (or, if modified, stating the nature of such modification and certifying this Agreement, as so modified, is in full force and effect) and the date to which the Rent and other charges are paid in

advance, if any, and (ii) acknowledging that there are not, to such party's knowledge, any uncured defaults on the part of the other party hereunder, or specifying such defaults if any are claimed. Any such statement may be conclusively relied upon by any prospective purchaser or encumbrance of the Premises. The requested party's failure to deliver such a statement within such time will be conclusively relied upon by the requesting party that (i) this Agreement is in full force and effect, without modification except as may be properly represented by the requesting party, (ii) there are no uncured defaults in either party's performance, and (iii) no more than one month's Rent has been paid in advance.

(h) **W-9.** Landlord agrees to provide Tenant with a completed IRS Form W-9, or its equivalent, upon execution of this Agreement and at such other times as may be reasonably requested by Tenant.

(i) **No Electronic Signature/No Option.** The submission of this Agreement to any party for examination or consideration does not constitute an offer, reservation of or option for the Premises based on the terms set forth herein. This Agreement will become effective as an Agreement only upon the handwritten legal execution, acknowledgment and delivery hereof by Landlord and Tenant.

(j) **Severability** If any term or condition of this Agreement is found unenforceable, the remaining terms and conditions will remain binding upon the parties as though said unenforceable provision were not contained herein. However, if the invalid, illegal or unenforceable provision materially affects this Agreement then the Agreement may be terminated by either party on ten (10) business days prior written notice to the other party hereto.

(k) **Counterparts.** This Agreement may be executed in two (2) or more counterparts, all of which shall be considered on and the same agreement and shall become effective when one or more counterparts have been signed by each of the parties. It being understood that all parties need not sign the same counterpart.

[SIGNATURES APPEAR ON THE NEXT PAGE]

IN WITNESS WHEREOF, the parties have caused this Agreement to be effective as of the last date written below.

"LANDLORD"

By: Harold Green
Print Name: Harold Green
Date: 6-22-09

"LANDLORD"

By: Belinda J. Green
Print Name: BELINDA J. GREEN
Date: 6-22-09

"LANDLORD"

By: Scott D. Green
Print Name: SCOTT D. GREEN
Date: 6/22/09

"TENANT"

New Cingular Wireless PCS, LLC,
a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: Daniel Toth
Print Name: Daniel Toth
Its: Manager of Real Estate and Construction
Date: 6/11/09

[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

STATE OF ~~Kentucky~~ Kentucky
COUNTY OF Graves

On this 6 day of June, 2009, before me personally appeared Harold and Belinda Green and Scott Green, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that such person executed the same as such person's free act and deed.

Leslie Jill Tubbs
Name: Leslie Jill Tubbs
Notary Public

My Commission Expires: January 29, 2011

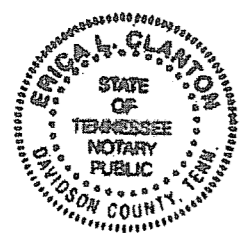
[NOTARIAL SEAL]

TENANT

STATE OF ~~Kentucky~~ TENNESSEE
COUNTY OF ~~Graves~~ WILLIAMSON

Before me, ERICA L. CLANTON of the state and county mentioned, personally appeared Daniel Toth, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged such person to be the Manager of Real Estate and Construction of New Cingular Wireless PCS, LLC, a Delaware limited liability company, by AT&T Mobility Corporation, its Manager, the within named bargainor, and that in such capacity, he executed the foregoing Option and Lease Agreement for the purposes therein contained, by personally signing the name of New Cingular Wireless PCS, LLC.

Witness my hand and seal, this the 11th day of AUG, 2009.
Erica L. Clanton
NOTARY PUBLIC
My commission expires: MAY 8, 2012



My Commission Expires MAY 8, 2012

EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 2

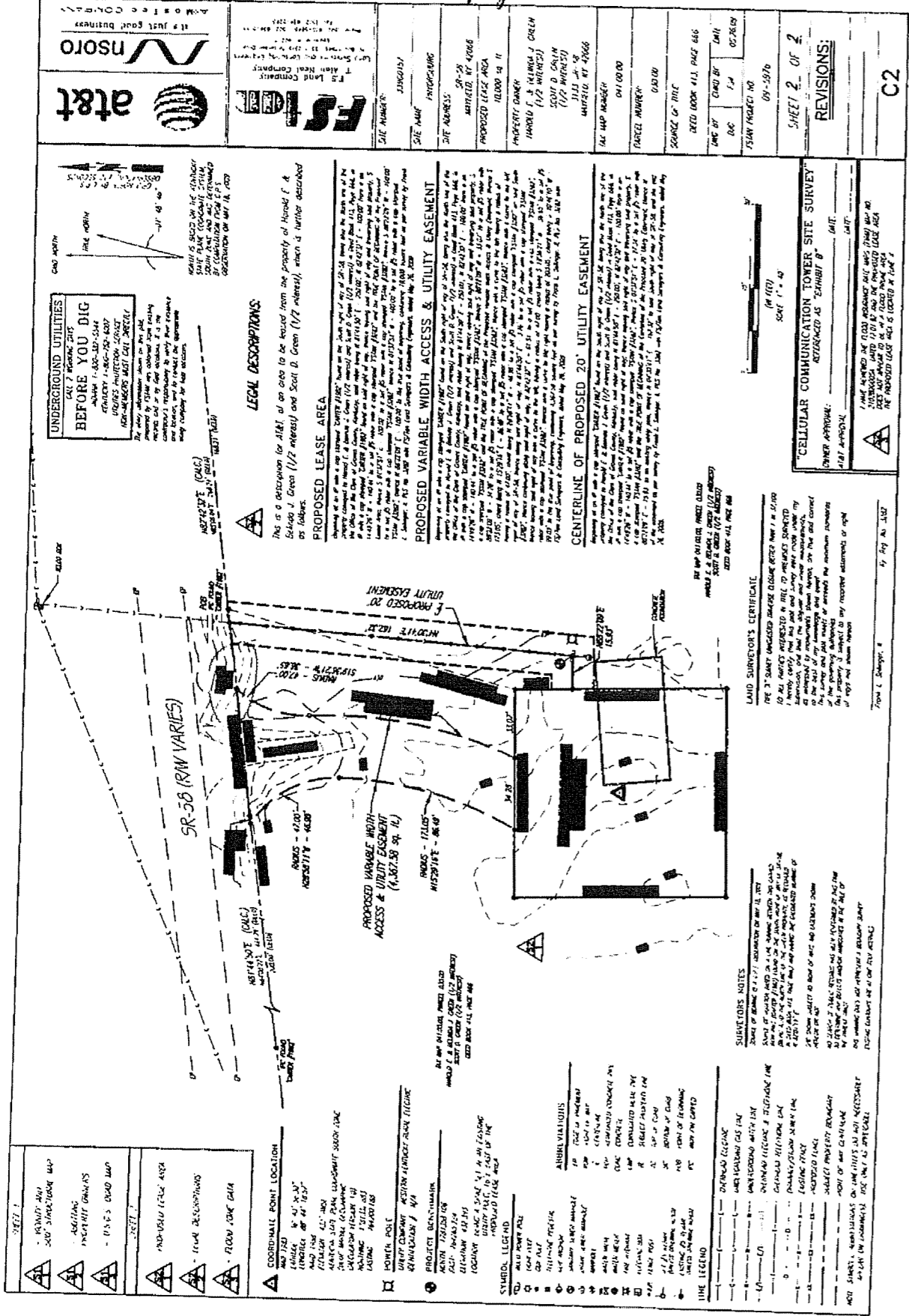
to the Agreement dated AUGUST 11, 2009, by and between Harold E. and Belinda J. Green and Scott D. Green,, individuals, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

The Premises are described and/or depicted as follows:

See attached Survey

Notes:

1. This Exhibit may be replaced by a land survey and/or construction drawings of the Premises once received by Tenant.
2. Any setback of the Premises from the Property's boundaries shall be the distance required by the applicable governmental authorities.
3. Width of access road shall be the width required by the applicable governmental authorities, including police and fire departments.
4. The type, number and mounting positions and locations of antennas and transmission lines are illustrative only. Actual types, numbers and mounting positions may vary from what is shown above.



UNDERGROUND UTILITIES
CALL 800-4-A- Dig BEFORE YOU DIG
UTILITY 1-800-4-A-DIG
UTILITY 1-800-4-A-DIG
UTILITY 1-800-4-A-DIG

LEGAL DESCRIPTIONS
This is a description for A161 of an area to be located from the property of Harold F. A. Sledge, J. Green (1/2 interest) and Scott D. Green (1/2 interest), when a further described as follows:

PROPOSED LEASE AREA
The area shown on this plan is the proposed lease area for the tower. The area is bounded by the SR-58 right-of-way to the north and the property boundary to the south. The area is 40 feet wide and 110 feet long. The area is 4,367.50 square feet.

PROPOSED VARIABLE WIDTH ACCESS & UTILITY EASEMENT
The proposed easement is 40 feet wide and 110 feet long. The area is 4,367.50 square feet.

CENTERLINE OF PROPOSED 20' UTILITY EASEMENT
The centerline of the proposed 20-foot utility easement is shown as a dashed line. The area is 20 feet wide and 110 feet long.

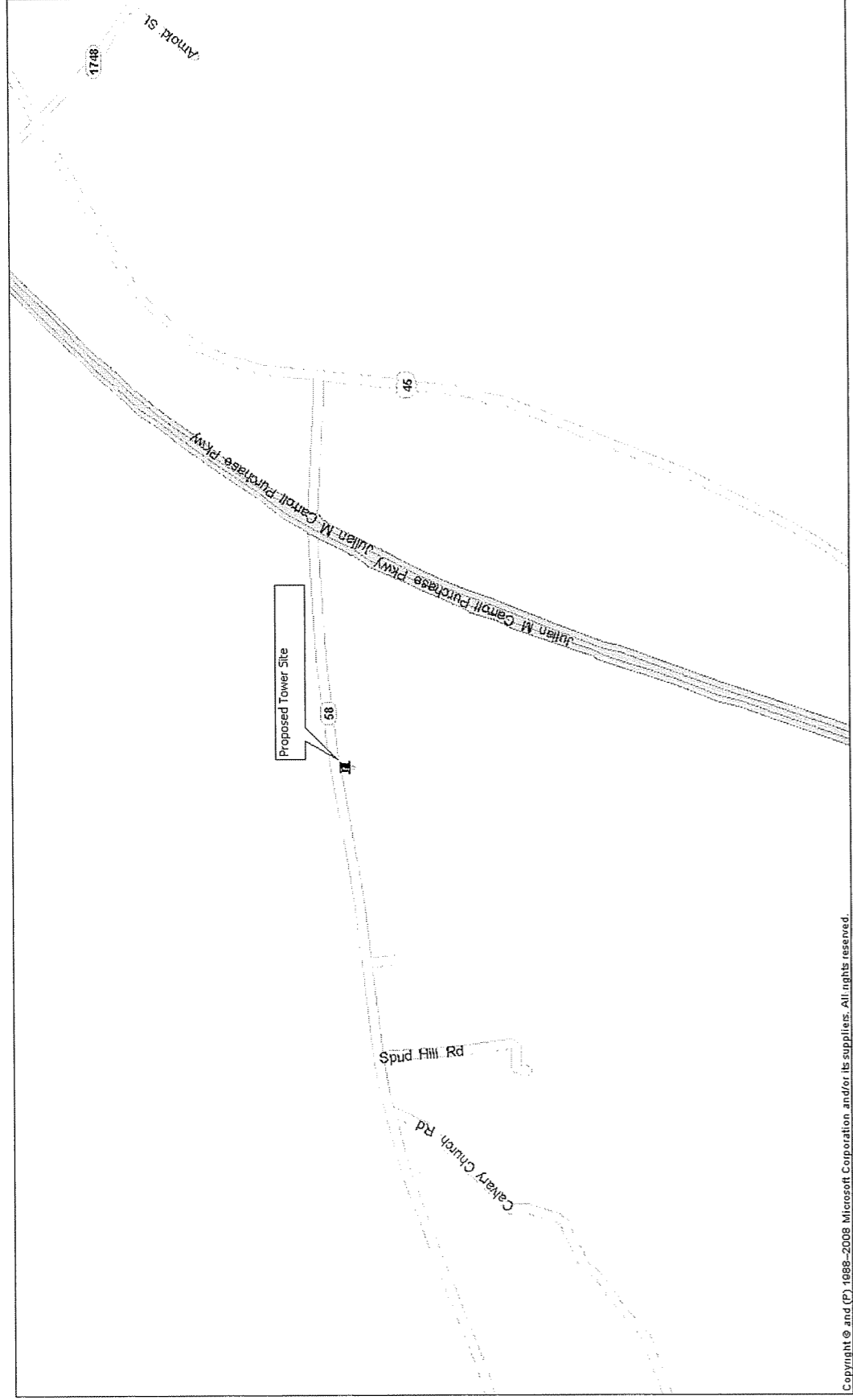
CELLULAR COMMUNICATION TOWER SITE SURVEY
OWNER APPROVAL: _____ DATE: _____
SURVEYOR'S CERTIFICATE: _____ DATE: _____

- ▲ PROPERTY MAP
- ▲ 500' STATIONARY MAP
- ▲ BOUNDING
- ▲ PROPERTY OWNERS
- ▲ 500' 500' QTR MAP
- ▲ PROPOSED TOWER AREA
- ▲ LEGAL DESCRIPTIONS
- ▲ FLOOD HAZARD DATA

COORDINATE POINT LOCATION
NAD 83
Easting 725238.00
Northing 441125.00
Zone 18N
Datum: NAD 83
Spheroid: GRS 80
Datum Shift: 0.000
Units: Feet
Datum: NAD 83

- SYMBOL LEGEND**
- 1/4" IRON PIN
 - 3/4" IRON PIN
 - 1" IRON PIN
 - 2" IRON PIN
 - 4" IRON PIN
 - 6" IRON PIN
 - 8" IRON PIN
 - 10" IRON PIN
 - 12" IRON PIN
 - 14" IRON PIN
 - 16" IRON PIN
 - 18" IRON PIN
 - 20" IRON PIN
 - 24" IRON PIN
 - 28" IRON PIN
 - 32" IRON PIN
 - 36" IRON PIN
 - 40" IRON PIN
 - 44" IRON PIN
 - 48" IRON PIN
 - 52" IRON PIN
 - 56" IRON PIN
 - 60" IRON PIN
 - 64" IRON PIN
 - 68" IRON PIN
 - 72" IRON PIN
 - 76" IRON PIN
 - 80" IRON PIN
 - 84" IRON PIN
 - 88" IRON PIN
 - 92" IRON PIN
 - 96" IRON PIN
 - 100" IRON PIN

- THE LEGEND**
- PROPOSED 20' UTILITY EASEMENT
 - PROPOSED VARIABLE WIDTH ACCESS & UTILITY EASEMENT
 - SR-58 RIGHT-OF-WAY
 - PROPERTY BOUNDARY
 - TOWER FOOTPRINT
 - TOWER HEIGHT
 - TOWER ANGLE
 - TOWER DISTANCE
 - TOWER AREA
 - TOWER PERIMETER
 - TOWER VOLUME
 - TOWER WEIGHT
 - TOWER CENTER
 - TOWER SURFACE
 - TOWER INTERIOR
 - TOWER EXTERIOR
 - TOWER MATERIAL
 - TOWER COLOR
 - TOWER FINISH
 - TOWER PAINT
 - TOWER STAIN
 - TOWER VARNISH
 - TOWER GLASS
 - TOWER METAL
 - TOWER WOOD
 - TOWER BRICK
 - TOWER CONCRETE
 - TOWER ASPHALT
 - TOWER GRAVEL
 - TOWER SAND
 - TOWER DIRT
 - TOWER ROCK
 - TOWER PLANT
 - TOWER TREE
 - TOWER SHRUB
 - TOWER FLOWER
 - TOWER GRASS
 - TOWER WEED
 - TOWER MOSS
 - TOWER LICHEN
 - TOWER FUNGUS
 - TOWER BACTERIA
 - TOWER VIRUS
 - TOWER PARASITE
 - TOWER ANIMAL
 - TOWER BIRD
 - TOWER BEAST
 - TOWER INSECT
 - TOWER MAMMAL
 - TOWER REPTILE
 - TOWER AMPHIBIAN
 - TOWER MOLLUSK
 - TOWER ARACHNID
 - TOWER NEMLINE
 - TOWER PROTIST
 - TOWER PLANT
 - TOWER ANIMAL
 - TOWER BIRD
 - TOWER BEAST
 - TOWER INSECT
 - TOWER MAMMAL
 - TOWER REPTILE
 - TOWER AMPHIBIAN
 - TOWER MOLLUSK
 - TOWER ARACHNID
 - TOWER NEMLINE
 - TOWER PROTIST



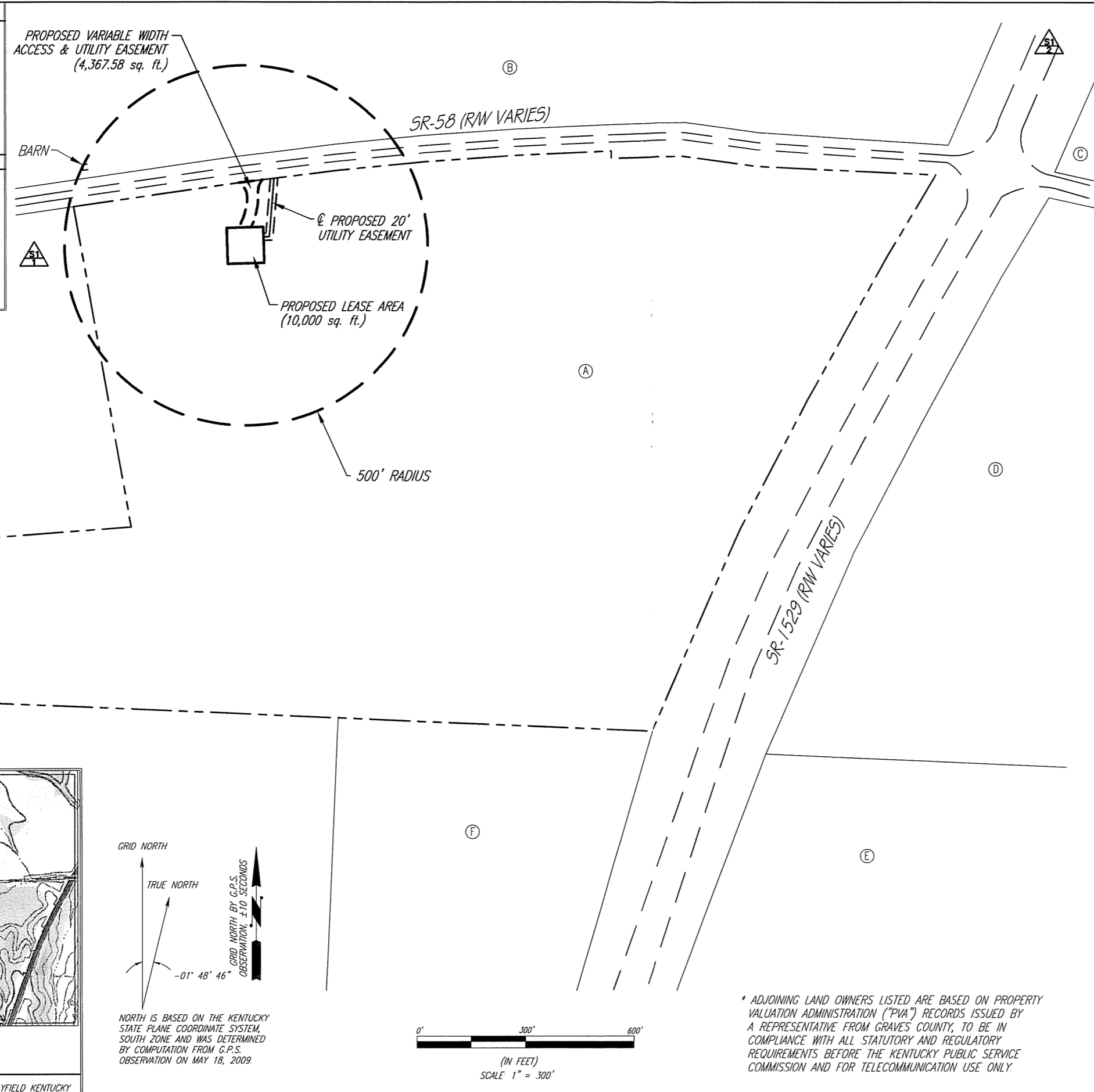
Copyright © and (P) 1988-2008 Microsoft Corporation, and/or its suppliers. All rights reserved.

Directions to Site: From Mayfield at the intersection of State Route 80 (West Broadway Street) and U. S. 45 (South 8th Street), proceed South on U.S. 45 approximately 7.0 miles to the junction of State Route 58 and proceed West on State Route 58 for approximately 0.5 miles to site on left.

Prepared by: Briggs Law Office, PSC (502) 254-9756

Exhibit J

SHEET 1	
	- VICINITY AND 500' STRUCTURAL MAP
	- ABUTTING PROPERTY OWNERS
	- U.S.G.S QUAD MAP
SHEET 2	
	- PROPOSED LEASE AREA
	- LEGAL DESCRIPTIONS
	- FLOOD ZONE DATA

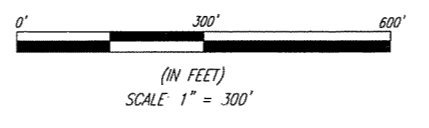
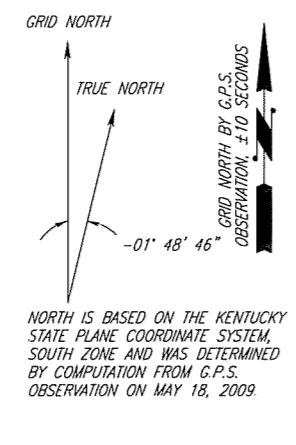
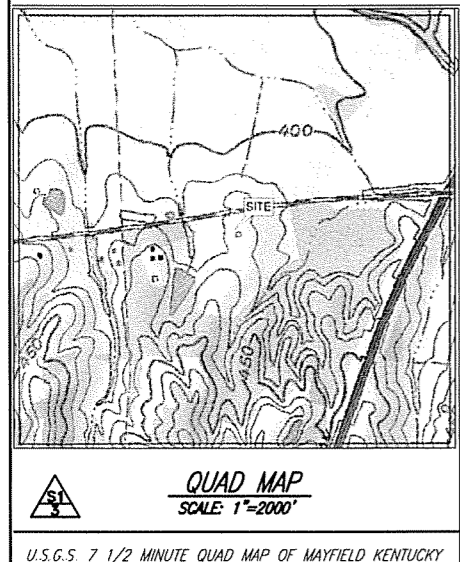


A	MAP 041.00.00, LOT 030.00 GREEN, HAROLD E. & BELINDA 3133 ST. RT. 58 MAYFIELD, KY 42066 DEED BOOK 413, PAGE 666 NO ZONING
B	MAP 041.00.00, LOT 034.00 PAYNE, THOMAS W. 796 STACKS LN WINGO, KY 42088 DEED BOOK 372, PAGE 553 NO ZONING
C	MAP 041.00.00, LOT 034.00 PAYNE, THOMAS W. 796 STACKS LN WINGO, KY 42088 DEED BOOK 372, PAGE 553 NO ZONING
D	MAP 041.00.00, LOT 035.00 BATTIS FARMS LLC & BOSTIC, JOHN & LARK 6396 ST RT. 1529 E WATER VALLEY, KY 42085 DEED BOOK 387, PAGE 256 NO ZONING
E	MAP 058.00.00, LOT 119.00 BOSTIC, JOHN & LARK 6396 ST RT. 1529 E WATERVALLEY, KY 42085 DEED BOOK 452, PAGE 307 NO ZONING
F	MAP 042.00.00, LOT 095.00 GREEN, HAROLD E. & BELINDA 3133 ST. RT. 58 MAYFIELD, KY 42066 DEED BOOK 278, PAGE 92 NO ZONING
G	MAP 042.00.00, LOT 095.00 GREEN, HAROLD E. & BELINDA 3133 ST. RT. 58 MAYFIELD, KY 42066 DEED BOOK 278, PAGE 92 NO ZONING
H	MAP 042.00.00, LOT 099.00 GREEN, HAROLD E. & BELINDA 3133 ST. RT. 58 MAYFIELD, KY 42066 DEED BOOK 278, PAGE 92 NO ZONING
I	MAP 041.00.00, LOT 027.00 HESTER, WILLIAM L. & TAMMIE 1488 FOLKS SCHOOL RD. MAYFIELD, KY 42066 DEED BOOK 436, PAGE 149 NO ZONING
J	MAP 041.00.00, LOT 028.00 STONE, GENE & BRENDA 791 ST. RT. 58 MAYFIELD, KY 42066 DEED BOOK 384, PAGE 788 NO ZONING

it's just good business.
A:M a S T e c C O M P A N Y

F.S. Land Company
T. Alan Neal Company
Land Surveyors and Consulting Engineers
PO Box 17546 2313/2315 Crittenden Drive
Louisville, KY 40217
Phone: (502) 635-5866 (502) 636-5111
Fax: (502) 636-5263

SITE NUMBER: 339G0157	
SITE NAME: PRYORSBURG	
SITE ADDRESS: SR-58 MAYFIELD, KY 42066	
PROPOSED LEASE AREA: 10,000 sq. ft.	
PROPERTY OWNER: HAROLD E. & BELINDA J. GREEN (1/2 INTEREST) SCOTT D. GREEN (1/2 INTEREST) 3133 SR-58 MAYFIELD, KY 42066	
TAX MAP NUMBER: 041.00.00	
PARCEL NUMBER: 030.00	
SOURCE OF TITLE: DEED BOOK 413, PAGE 666	
DWG BY: KLH	CHKD BY: FSII
DATE: 06.02.09	
FSTAN PROJECT NO.: 09-5976	
SHEET 1 OF 2	
REVISIONS:	
C1	



* ADJOINING LAND OWNERS LISTED ARE BASED ON PROPERTY VALUATION ADMINISTRATION ("PVA") RECORDS ISSUED BY A REPRESENTATIVE FROM GRAVES COUNTY, TO BE IN COMPLIANCE WITH ALL STATUTORY AND REGULATORY REQUIREMENTS BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION AND FOR TELECOMMUNICATION USE ONLY.

BRIGGS LAW OFFICE, PSC
TODD R. BRIGGS
17300 POLO FIELDS LANE
LOUISVILLE, KENTUCKY 40245

TELEPHONE (502) 254-9756

FACSIMILE (502) 254-5717

Notice of Proposed Construction
Wireless Telecommunications Facility

William L. & Tammie Hester
1488 Folks School Rd
Mayfield, KY 42066

Via Certified Mail Return Receipt Requested

Dear Landowner:

New Cingular Wireless PCS, LLC is applying to the Kentucky Public Service Commission (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new wireless telecommunications facility located near the intersection of State Route 58 and U.S. 45, Mayfield, Kentucky 42066. A map showing the location is attached. The proposed facility will include a 250 foot self-support tower, plus related ground facilities.

This notice is being sent to you because the Graves County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR contiguous to the property on which the tower is to be constructed.

The Commission invites your comments regarding the proposed construction and wants you to be aware of your right to intervene in the Commission's proceedings on this application. Your comments and request for intervention should be addressed to: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2009-00319 in any correspondence.

Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosure

BRIGGS LAW OFFICE, PSC
TODD R. BRIGGS
17300 POLO FIELDS LANE
LOUISVILLE, KENTUCKY 40245

TELEPHONE (502) 254-9756

FACSIMILE (502) 254-5717

**Notice of Proposed Construction
Wireless Telecommunications Facility**

John & Lark Bostic
6396 State Route 1529 E.
Water Valley, KY 42085

Via Certified Mail Return Receipt Requested

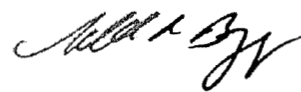
Dear Landowner:

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Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosure

BRIGGS LAW OFFICE, PSC
TODD R. BRIGGS
17300 POLO FIELDS LANE
LOUISVILLE, KENTUCKY 40245

TELEPHONE (502) 254-9756

FACSIMILE (502) 254-5717

Notice of Proposed Construction
Wireless Telecommunications Facility

Batts Farms LLC &
John & Lark Bostic
6396 State Route 1529 E.
Water Valley, KY 42085

Via Certified Mail Return Receipt Requested

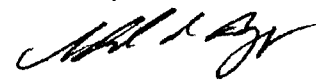
Dear Landowner:

New Cingular Wireless PCS, LLC is applying to the Kentucky Public Service Commission (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new wireless telecommunications facility located near the intersection of State Route 58 and U.S. 45, Mayfield, Kentucky 42066. A map showing the location is attached. The proposed facility will include a 250 foot self-support tower, plus related ground facilities.

This notice is being sent to you because the Graves County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR contiguous to the property on which the tower is to be constructed.

The Commission invites your comments regarding the proposed construction and wants you to be aware of your right to intervene in the Commission's proceedings on this application. Your comments and request for intervention should be addressed to: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2009-00319 in any correspondence.

Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosure

BRIGGS LAW OFFICE, PSC

TODD R. BRIGGS

17300 POLO FIELDS LANE

LOUISVILLE, KENTUCKY 40245

TELEPHONE (502) 254-9756

FACSIMILE (502) 254-5717

**Notice of Proposed Construction
Wireless Telecommunications Facility**

Thomas W. Payne
796 Stacks Lane
Wingo, KY 42088

Via Certified Mail Return Receipt Requested

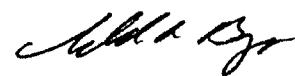
Dear Landowner:

New Cingular Wireless PCS, LLC is applying to the Kentucky Public Service Commission (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new wireless telecommunications facility located near the intersection of State Route 58 and U.S. 45, Mayfield, Kentucky 42066. A map showing the location is attached. The proposed facility will include a 250 foot self-support tower, plus related ground facilities.

This notice is being sent to you because the Graves County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR contiguous to the property on which the tower is to be constructed.

The Commission invites your comments regarding the proposed construction and wants you to be aware of your right to intervene in the Commission's proceedings on this application. Your comments and request for intervention should be addressed to: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2009-00319 in any correspondence.

Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosure

BRIGGS LAW OFFICE, PSC
TODD R. BRIGGS
17300 POLO FIELDS LANE
LOUISVILLE, KENTUCKY 40245

TELEPHONE (502) 254-9756

FACSIMILE (502) 254-5717

Notice of Proposed Construction
Wireless Telecommunications Facility

Gene & Brenda Stone
791 State Route 58
Mayfield, KY 42066

Via Certified Mail Return Receipt Requested

Dear Landowner:

New Cingular Wireless PCS, LLC is applying to the Kentucky Public Service Commission (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new wireless telecommunications facility located near the intersection of State Route 58 and U.S. 45, Mayfield, Kentucky 42066. A map showing the location is attached. The proposed facility will include a 250 foot self-support tower, plus related ground facilities.

This notice is being sent to you because the Graves County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR contiguous to the property on which the tower is to be constructed.

The Commission invites your comments regarding the proposed construction and wants you to be aware of your right to intervene in the Commission's proceedings on this application. Your comments and request for intervention should be addressed to: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2009-00319 in any correspondence.

Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosure

Exhibit K

BRIGGS LAW OFFICE, PSC

TODD R. BRIGGS

17300 POLO FIELDS LANE

LOUISVILLE, KENTUCKY 40245

TELEPHONE (502) 254-9756

FACSIMILE (502) 254-5717

Via Certified Mail Return Receipt Requested

Honorable Tony Smith
Graves County Judge Executive
101 East South Street
Mayfield, KY 42066

**RE: Notice of Proposal to Construct Wireless Telecommunications Facility
Kentucky Public Service Commission--Case No. 2009-00319**

Dear Judge Smith:

New Cingular Wireless PCS, LLC is applying to the Kentucky Public Service Commission (the "Commission") for a Certificate of Public Convenience and Necessity to construct and operate a new wireless telecommunications facility located near the intersection of State Route 58 and U.S. 45, Mayfield, Kentucky 42066. A map showing the location is attached. The proposed facility will include a 250 foot self-support tower, plus related ground facilities.

You have a right to submit comments regarding the proposed construction to the Commission or to request intervention in the Commission's proceedings on this application.

Your comments and request for intervention should be addressed to: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2009-00319 in any correspondence.

Sincerely,



Todd R. Briggs
Counsel for New Cingular Wireless PCS, LLC

Enclosure

Exhibit L

PUBLIC NOTICE

New Cingular Wireless PCS, LLC
proposes to construct a
telecommunications

TOWER

on this site. If you have
any questions please contact:

Briggs Law Office, PSC Executive Director
17300 Polo Fields Lane Public Service Commission
Louisville, KY 40245 211 Sower Boulevard
(502) 254-9756 P.O. Box 615
Frankfort, KY 40602

Please refer to Commission's
Case #2009-00319
in your correspondence.

PUBLIC NOTICE

New Cingular Wireless PCS, LLC
proposes to construct a
telecommunications

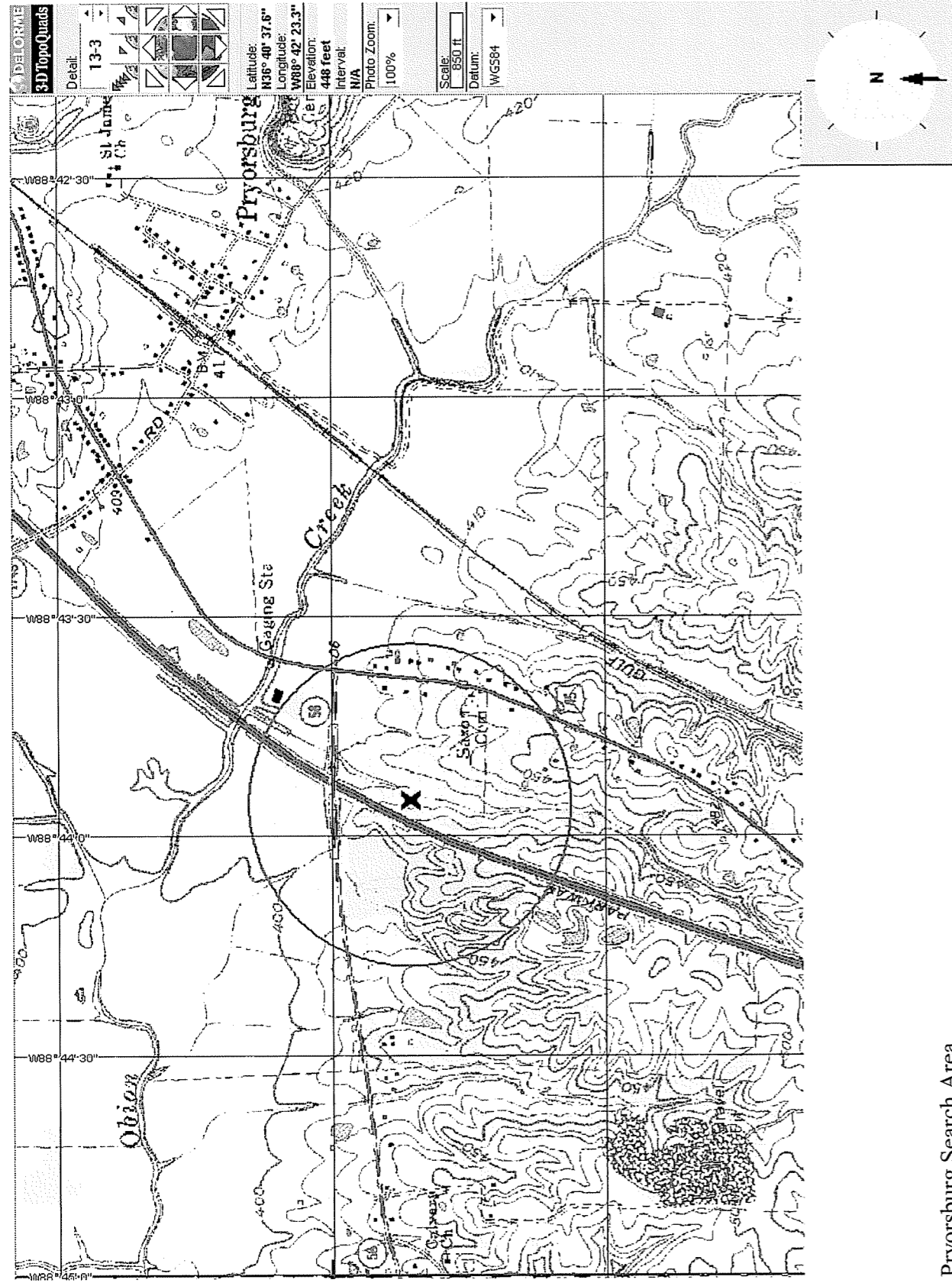
TOWER

near this site. If you have
any questions please contact:

Briggs Law Office, PSC Executive Director
17300 Polo Fields Lane Public Service Commission
Louisville, KY 40245 211 Sower Boulevard
(502) 254-9756 P.O. Box 615
Frankfort, KY 40602

Please refer to Commission's
Case #2009-00319
in your correspondence.

Exhibit M



Pryorsburg Search Area

Exhibit N



AT&T Mobility
3231 N. Green River Rd.
Evansville, IN 47715

Sherri A Lewis
RF Design Engineer - Kentucky
3231 North Green River Road
Evansville, IN 47715
Phone: 812-457-3327

July 9, 2009

To Whom It May Concern:

Dear Sir or Madam:

This letter is to state that there is no more suitable location reasonably available from which adequate service can be provided in the area of the proposed Pryorsburg site. There are no collocation opportunities available as there are no tall structures located within this site's search area.

A handwritten signature in black ink that reads "Sherri A Lewis".

Sherri A Lewis
RF Design Engineer



AT&T Mobility
3231 N. Green River Rd.
Evansville, IN 47715

Sherri A Lewis
RF Design Engineer - Kentucky
3231 North Green River Road
Evansville, IN 47715
Phone: 812-457-3327

July 9, 2009

To Whom It May Concern:

Dear Sir or Madam:

This letter is to state the need of the proposed AT&T site called Pryorsburg, to be located in Graves County, KY. The Pryorsburg site is necessary to improve coverage and eliminate interference in southwestern Graves County. This site will improve the coverage and reduce interference on US Hwy 45, the Purchase Pkwy, SR 58, and the surrounding area. Our closest existing site to this area is over 5.5 miles away; thus, there is currently no dominant server in this area. This lack of a dominant server causes many quality issues for the customers. Currently customers in this area experience high dropped calls and may experience poor call quality or areas of no service. With the addition of this site, the customers in this area of Graves County will experience improved reliability, better in-building coverage, and improved access to emergency 911 services.

A handwritten signature in black ink that reads "Sherri A Lewis".

Sherri A Lewis
RF Design Engineer



AT&T Mobility
3231 N. Green River Rd.
Evansville, IN 47715

Sherri A Lewis
RF Design Engineer - Kentucky
3231 North Green River Road
Evansville, IN 47715
Phone: 812-457-3327

July 9, 2009

To Whom It May Concern:

Dear Sir or Madam:

This letter is to serve as documentation that the proposed AT&T site called Pryorsburg, to be located in Graves County, KY at Latitude 36-40-56.3 North, Longitude 088-44-18.57 West, has been designed, and will be built and operated in accordance with all applicable FCC and FAA regulations.

A handwritten signature in cursive script that reads "Sherri A Lewis".

Sherri A Lewis
RF Design Engineer