

BRIGGS LAW OFFICE, PSC

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todd@briggslawoffice.net

TODD R. BRIGGS

also admitted in Colorado

October 4, 2010

Via FedEx Overnight Delivery

RECEIVED

OCT 05 2010

PUBLIC SERVICE
COMMISSION

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

**RE: Application to Construct Wireless Communications Facility
Case Number: 2010-00373**

Dear Ms. Faulkner,

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.

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 AT)CASE: 2010-00373
MATNEY ROAD, GREENSBURG)
GREEN COUNTY, KENTUCKY, 42743)

SITE NAME: EXIE (LS1505)

RECEIVED

OCT 05 2010

**PUBLIC SERVICE
COMMISSION**

**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 Green County, Kentucky, in an area 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. A statement from Applicant's RF Design Engineer outlining said need is attached as **Exhibit N**. 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 at Matney Road, Greensburg, Kentucky 42743 (37° 09' 56.453" North Latitude, 85° 32' 47.502" West Longitude (NAD 83)), in an area entirely within Green County. The property in which the WCF will be located is currently owned by Rex W. and Carol M. Houk, pursuant to that Deed of record in Deed Book 164, Page 84 in the Office of the Green County Clerk. The proposed WCF will consist of a 195 foot monopole with an approximately 4-foot tall lightning arrestor attached to the top of the tower for a total height of 199 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 gate(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 Environmental Corporation of America of Alpharetta, Georgia dated September 1, 2010 and is attached as **Exhibit E**. The name and address of the geotechnical engineering firm and the professional engineer registered in 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. Filing with the Federal Aviation Administration is not necessary due to the height of the proposed tower. The Airspace Study is attached as **Exhibit G**. The Kentucky Airport Zoning Commission does not require a permit for the proposed tower. Verification from John Houlihan, Administrator for the Kentucky Airport Zoning Commission, is attached as **Exhibit G**.

10. The Applicant operates on frequencies licensed by the Federal Communications Commission pursuant to applicable federal requirements. Copies of the license(s) are attached as **Exhibit H**. The WCF has been

designed, and will be built and operated in accordance with all applicable FCC and FAA regulations as indicated in the statement from Applicant's RF Design Engineer included as **Exhibit N**. Appropriate FCC required signage will be posted on the site.

11. Based on the review of Federal Emergency Management Agency Flood Insurance Rate Map, the licensed, professional land surveyor has noted in **Exhibit B** that the Flood Insurance Rate Map (FIRM) No. No. 21087C0200C dated May 3, 2010 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 Green 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 Green 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 Green County Judge Executive of his right to request intervention. A 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 (Greensburg Record-Herald).

17. The site of the proposed WCF is located in an undeveloped area near Exie, 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. A statement from Applicant's RF Design Engineer is attached as **Exhibit N**. Applicant has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower or another suitable structure capable of supporting the Applicant's facilities.

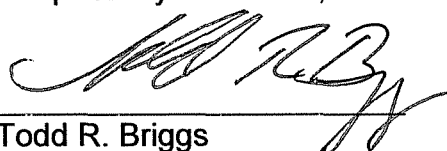
19. A map of the area in which the proposed WCF is located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located is attached as **Exhibit M**.

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

Todd R. Briggs
Briggs Law Office, PSC
1301 Clear Springs Trace
Suite 205
Louisville, KY 40223
(502) 412-9222
todd@briggslawoffice.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
1301 Clear Springs Trace
Suite 205
Louisville, KY 40223
Telephone 502-412-9222
Counsel for New Cingular Wireless PCS, LLC

Mary K. Keyer
General Counsel
AT&T Kentucky
601 W. Chestnut Street
Room 407
Louisville, KY 40203

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 Approval (Not applicable) KAZC Approval (Not applicable)
Exhibit H	FCC Documentation
Exhibit I	Directions to Site and Copy of Lease Agreement
Exhibit J	Notification Listing and Copy of Property Owner Notifications
Exhibit K	Copy of County Judge Executive Notice
Exhibit L	Copy of Posted Notices
Exhibit M	Map of Search Area
Exhibit N	RF Engineer Statements

Exhibit A

**Commonwealth of Kentucky
Trey Grayson, Secretary of State**

Trey Grayson
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication number: 104309

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,

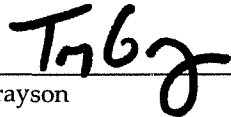
NEW CINGULAR WIRELESS PCS, LLC

, a limited liability company authorized 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 30th day of September, 2010, in the 219th year of the Commonwealth.





Trey Grayson
Secretary of State
Commonwealth of Kentucky
104309/0481848

Delaware

PAGE 1

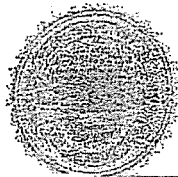
The First State

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:

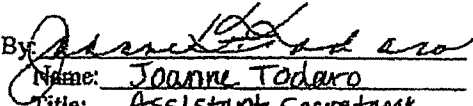
"FIRST: The name of the limited liability company is New Cingular Wireless PCS, LLC."
3. The Certificate of Amendment shall be effective at 7:30 p.m. EDT on October 26, 2004.

[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 20th 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.

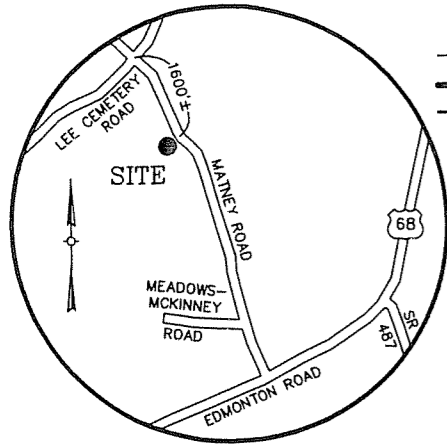
DATED this 7 day of September, 1999.

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



Mark U. Thomas, Vice President

Exhibit B



LOCATION MAP
GREENSBURG, GREEN CO., KY
NOT TO SCALE

- LEGEND**
- DHU — EXISTING OVERHEAD UTILITIES
 - LEASE LINE
 - - - APPROXIMATE PROPERTY LINE
 - UTILITY POLE
 - FOUND STEEL T-POST
 - SET #5 REBAR WITH CAP STAMPED "JOHN THOMAS #3259" UNLESS OTHERWISE NOTED
 - POC POINT OF COMMENCEMENT
 - POB POINT OF BEGINNING
 - TREE

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY WAS MADE BY METHOD OF RANDOM TRAVERSE WITH SIDESHOTS. THE UNADJUSTED CLOSURE RATIO OF THE TRAVERSE WAS GREATER THAN 1:5,000 THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A CLASS "B" SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY-PER 201 KAR 18:150.

John M. Thomas 7-23-10
JOHN M. THOMAS, PLS 3259 DATE

OWNER APPROVAL: _____ DATE _____

AT&T APPROVAL: _____ DATE _____

LEGAL DESCRIPTIONS

THIS IS THE DESCRIPTION FOR AT&T, FOR AN AREA TO BE LEASED FROM A TRACT OF LAND CONVEYED TO REX W. AND CAROL M. HOUK BY DEED OF RECORD IN DEED BOOK 164, PAGE 84 IN THE OFFICE OF THE COUNTY CLERK OF GREEN COUNTY, KENTUCKY AND FURTHER DESCRIBED AS FOLLOWS:

DESCRIPTION OF PROPOSED LEASE AREA AND EASEMENTS

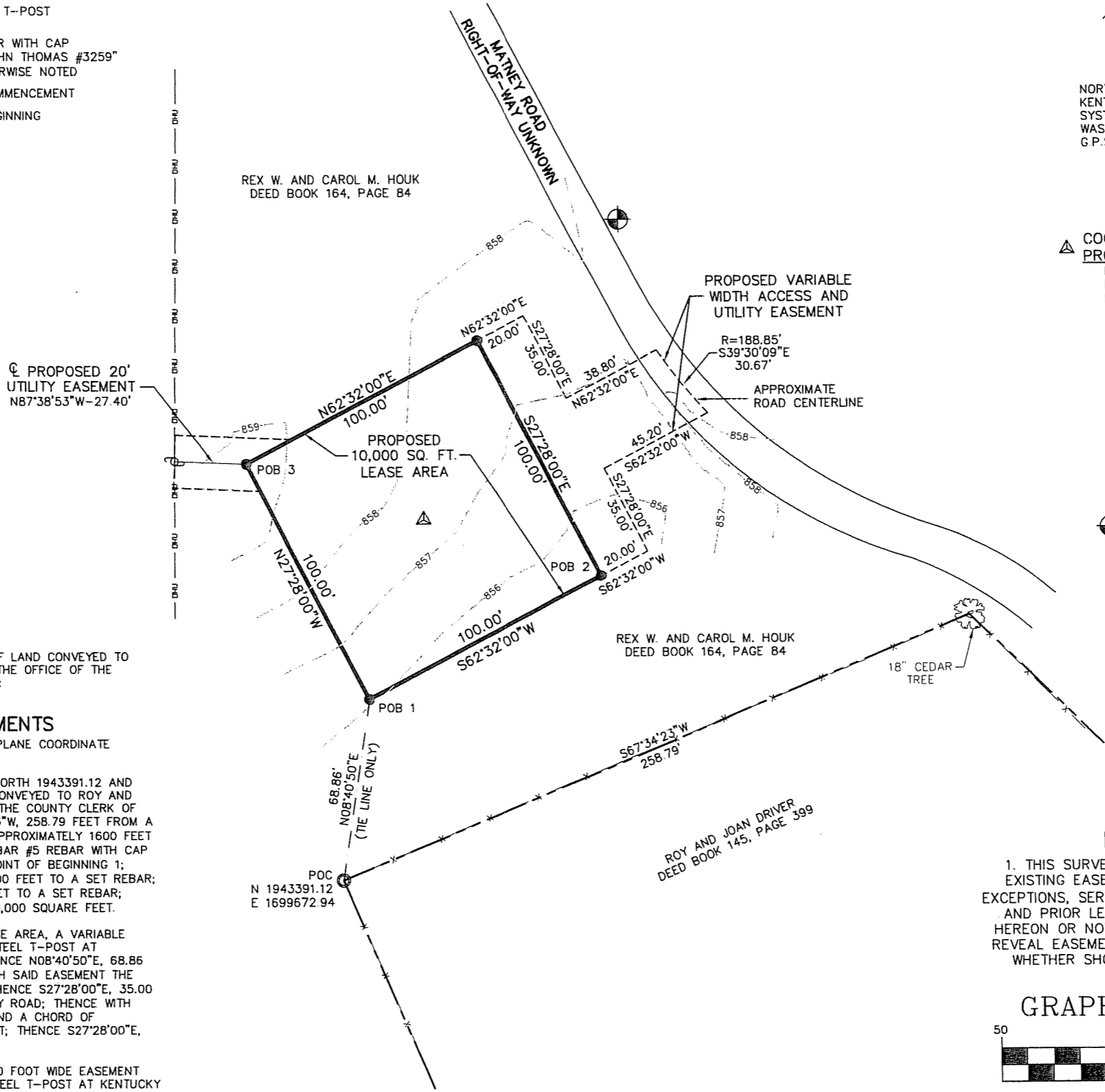
NOTE: ALL BEARINGS AND DISTANCES ARE BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE, NAD 1983.

COMMENCING AT A FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 1943391.12 AND EAST 1699672.94 BEING THE NORTHWEST PROPERTY CORNER OF A TRACT OF LAND CONVEYED TO ROY AND JOAN DRIVER BY DEED OF RECORD IN DEED BOOK 145, PAGE 399 IN THE OFFICE OF THE COUNTY CLERK OF GREEN COUNTY, KENTUCKY; SAID POINT OF COMMENCEMENT BEING LOCATED S67°34'23"W, 258.79 FEET FROM A FOUND 18" CEDAR TREE LOCATED ON THE SOUTHWESTERLY SIDE OF MATNEY ROAD, APPROXIMATELY 1600 FEET SOUTHEAST OF LEE CEMETERY ROAD; THENCE N08°40'50"E, 68.86 FEET TO A SET REBAR #5 REBAR WITH CAP STAMPED "JOHN THOMAS #3259" HEREAFTER REFERRED TO AS SET REBAR AT THE POINT OF BEGINNING 1; THENCE WITH THE PROPOSED LEASE AREA THE NEXT FOUR CALLS, N27°28'00"W, 100.00 FEET TO A SET REBAR; THENCE N62°32'00"E, 100.00 FEET TO A SET REBAR; THENCE S27°28'00"E, 100.00 FEET TO A SET REBAR; THENCE S62°32'00"E, 100.00 FEET TO THE POINT OF BEGINNING 1 AND CONTAINING 10,000 SQUARE FEET.

ALSO, THE RIGHT TO USE FOR ACCESS AND UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, A VARIABLE WIDTH EASEMENT DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 1943391.12 AND EAST 1699672.94; THENCE N08°40'50"E, 68.86 FEET; THENCE N62°32'00"E, 100.00 FEET TO THE POINT OF BEGINNING 2; THENCE WITH SAID EASEMENT THE FOLLOWING 8 CALLS, N27°28'00"W, 100.00 FEET; THENCE N62°32'00"E, 20.00 FEET; THENCE S27°28'00"E, 35.00 FEET; THENCE N62°32'00"E, 38.80 FEET TO THE APPROXIMATE CENTERLINE OF MATNEY ROAD; THENCE WITH SAID CENTERLINE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 188.85 FEET AND A CHORD OF S39°30'09"E, 30.67 FEET; THENCE LEAVING SAID CENTERLINE, S62°32'00"W, 45.20 FEET; THENCE S27°28'00"E, 35.00 FEET; THENCE S62°32'00"W, 20.00 FEET TO THE POINT OF BEGINNING 2.

ALSO, THE RIGHT TO USE FOR UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, A 20 FOOT WIDE EASEMENT THE CENTERLINE DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 1943391.12 AND EAST 1699672.94; THENCE N08°40'50"E, 68.86 FEET; THENCE N27°28'00"W, 100.00 FEET TO THE POINT OF BEGINNING 3; THENCE WITH SAID EASEMENT CENTERLINE, N87°38'53"W, 27.40 FEET TO THE TERMINATION OF SAID EASEMENT CENTERLINE IN AN EXISTING UTILITY POLE.

ALL AS SHOWN ON A PARTIAL BOUNDARY SURVEY BY JOHN M. THOMAS, PLS 3259 OF BTM ENGINEERING, INC., DATED JULY 2010, PROJECT NO. "NSORO-EXIE"



GRID NORTH
GEODETTIC NORTH
00°07'24" MAPPING ANGLE
GRID NORTH BY G.P.S. OBSERVATION, ±10 SECONDS

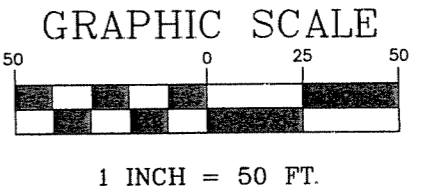
NORTH IS BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 1983 AND WAS DETERMINED BY COMPUTATION FROM G.P.S OBSERVATION ON JULY 20, 2010.

△ COORDINATE POINT LOCATION PROPOSED TOWER CENTERLINE
NAD 1983
LATITUDE: 37°09'56.453"N
LONGITUDE: 85°32'47.502"W
ELEVATION: 857.51 (NAVD 88)
STATE PLANE COORDINATE
NORTHING: 1943526.66
EASTING: 1699704.77

⊕ BENCHMARK
NORTH: 1943639.56
EAST: 1699780.20
ELEVATION: 857.93 (NAVD 88)
LOCATION: #5 REBAR WITH CAP "BTM TRAVERSE"

NOTE

1. THIS SURVEY IS SUBJECT TO ALL EXISTING EASEMENTS, RESTRICTIONS, EXCEPTIONS, SERVITUDE'S, RIGHT OF WAYS AND PRIOR LEASES WHETHER SHOWN HEREON OR NOT. A TITLE REPORT MAY REVEAL EASEMENTS OR OTHER DEFECTS WHETHER SHOWN HEREON OR NOT.



FLOOD PLAIN CERTIFICATION

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 21087C0200C DATED MAY 3, 2010 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD HAZARD AREA.

at&t

nsoro
It's just good business.

BTM
BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

7-23-10

STATE OF KENTUCKY
JOHN M. THOMAS
3259
LICENSED PROFESSIONAL LAND SURVEYOR

John M. Thomas

SITE NAME: EXIE

SITE I.D.: LS1505

SITE ADDRESS: MATNEY ROAD
GREENSBURG, GREEN CO., KY 42743

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: REX W. AND CAROL M. HOUK
164 CLARK HOUCK ROAD
GREENSBURG, KY 42743

TAX MAP NUMBER: 55

PARCEL NUMBER: 36

SOURCE OF TITLE: DEED BOOK 164, PAGE 84

LATITUDE: 37° 09' 56.453"N
LONGITUDE: 85° 32' 47.502"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	7/22/09

TITLE: COMMUNICATIONS SITE SURVEY

SHEET: C-2

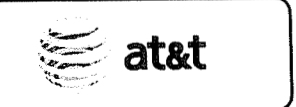
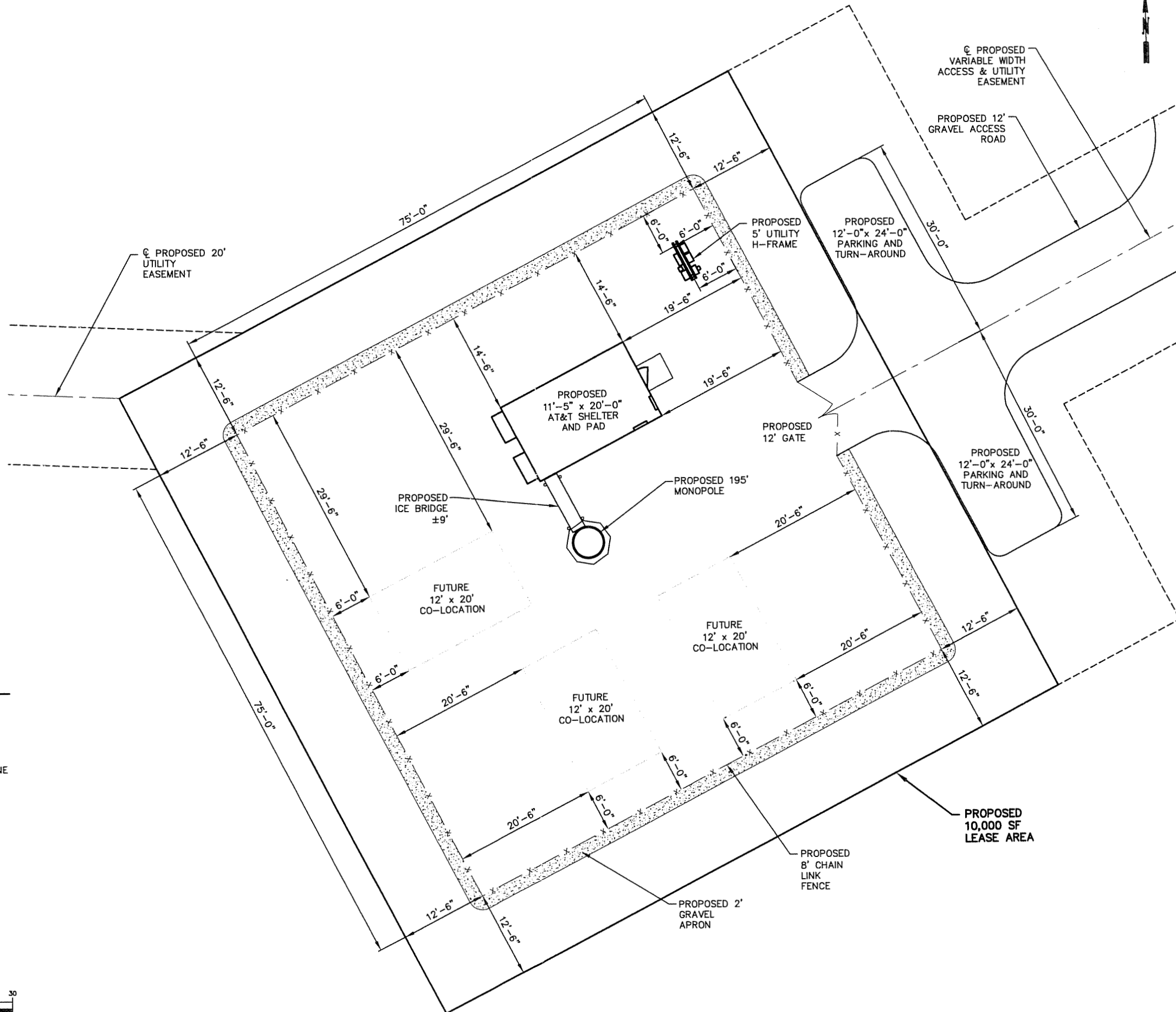
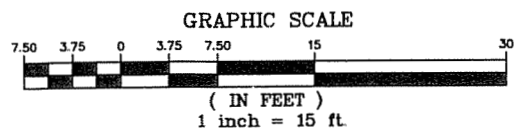
SITE PLAN NOTES

1. THE PROPOSED DEVELOPMENT IS FOR A 195 FOOT MONOPOLE AND MULTIPLE EQUIPMENT LOCATIONS. ITS LOCATION IS MATNEY RD, GREENSBURG, KY 42743.
2. THE TOWER WILL BE ACCESSED BY A PROPOSED STABILIZED DRIVE FROM AN EXISTING ROAD (MATNEY RD). WATER, SANITARY SEWER, AND WASTE COLLECTIONS SERVICES ARE NOT REQUIRED FOR THE PROPOSED DEVELOPMENT.
3. CENTERLINE OF PROPOSED TOWER GEOGRAPHIC LOCATIONS:
 LATITUDE: 37° 09' 56.453" N 1943526.66 N
 LONGITUDE: 85° 32' 47.502" W 1699704.77 E
4. REMOVE ALL VEGETATION, CLEAN AND GRUBB LEASE AREA (WHERE REQUIRED).
5. FINISH GRADING TO PROVIDE EFFECTIVE DRAINAGE WITH A SLOPE OF NO LESS THAN ONE EIGHTH INCH (1/8") PER FOOT FLOWING AWAY FROM EQUIPMENT FOR A MINIMUM DISTANCE OF SIX FEET (6') IN ALL DIRECTIONS.
6. LOCATE ALL U.G. UTILITIES PRIOR TO ANY CONSTRUCTION.
7. COMPOUND FINISHED SURFACE TO BE FENCED

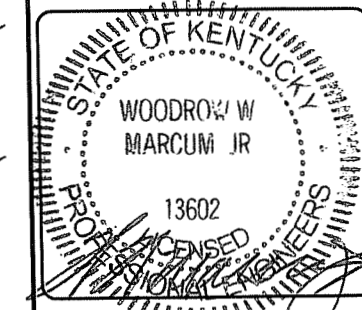
UNDERGROUND UTILITIES
 CALL 2 WORKING DAYS
BEFORE YOU DIG
 INDIANA 1-800-382-5544
 KENTUCKY 1-800-752-6007
 OR DIAL 811
 UTILITIES PROTECTION SERVICE
 NON-MEMBERS MUST CALL DIRECTLY

LEGEND

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



BT Engineering, Inc
 3001 TAYLOR SPRINGS DRIVE
 LOUISVILLE, KENTUCKY 40220
 (502) 459-8402 PHONE
 (502) 459-8427 FAX



SITE NAME: EXIE

SITE ID NUMBER: LS1505

SITE ADDRESS: MATNEY RD
 GREENSBURG, KY 42743

LATITUDE: 37° 09' 56.453" N
 LONGITUDE: 85° 32' 47.502" W

TAX MAP NUMBER: 55

PARCEL NUMBER: 36

SOURCE OF TITLE:
 DEED BOOK 164, PAGE 84

PROPERTY OWNER:
 REX W & CAROL M HOUK
 184 CLARK HOUCK RD
 GREENSBURG, KY 42743

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/26/10
2	ISSUE FOR ZONING	09/28/10

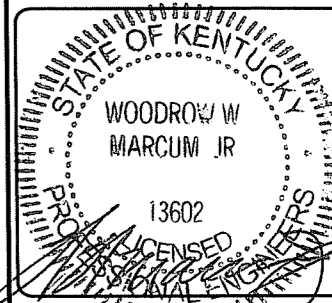
TITLE:
SITE LAYOUT

SHEET:
Z-3

Exhibit C



3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX



SITE NAME: EXIE

SITE ID NUMBER: LS1505

SITE ADDRESS: MATNEY RD
GREENSBURG, KY 42743

LATITUDE: 37° 09' 56.453" N
LONGITUDE: 85° 32' 47.502" W

TAX MAP NUMBER: 55

PARCEL NUMBER: 36

SOURCE OF TITLE:
DEED BOOK 164, PAGE 84

PROPERTY OWNER:
REX W & CAROL M HOUK
184 CLARK HOUCK RD
GREENSBURG, KY 42743

NO	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/26/10
2	ISSUE FOR ZONING	09/28/10

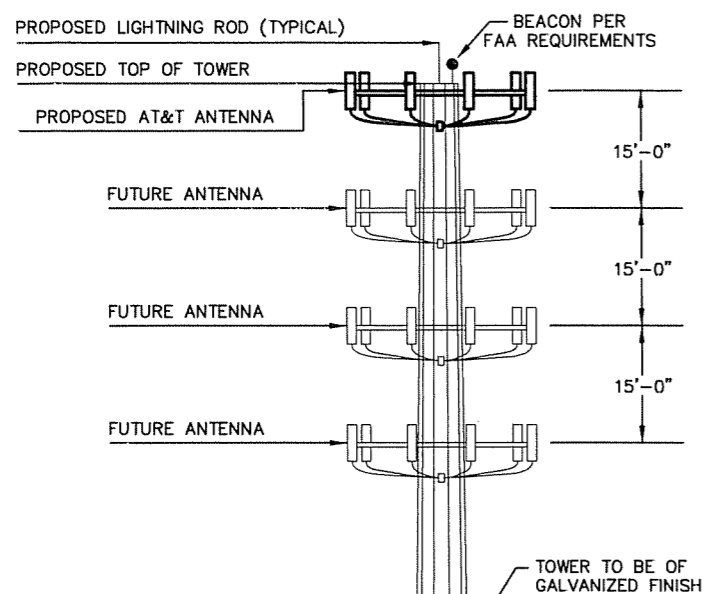
TITLE:
NORTH & SOUTH ELEVATIONS

SHEET:

Z-5

NOTE:

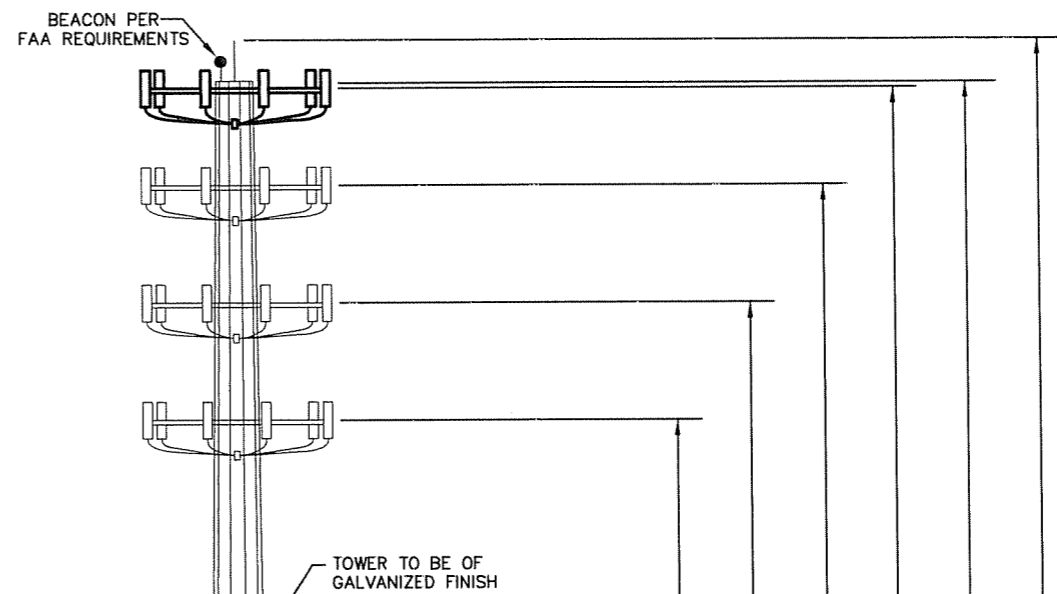
THE ELEVATIONS SHOWN ON THIS SHEET ARE FOR PICTORIAL PURPOSES ONLY. THIS DESIGN WAS PROVIDED BY OTHERS. REFER TO TOWER PLANS FOR TOWER DESIGN.



FENCE

NORTH ELEVATION

NOT TO SCALE



FENCE

SOUTH ELEVATION

NOT TO SCALE

Exhibit D



Structural Design Report
195' Monopole
located at: Exie, KY

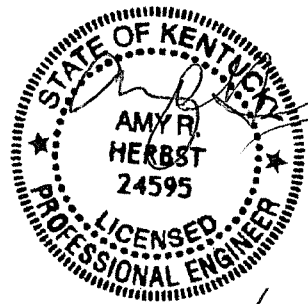
prepared for: NSORO MASTEC LLC
by: Sabre Towers & Poles™

Job Number: 34635

September 22, 2010

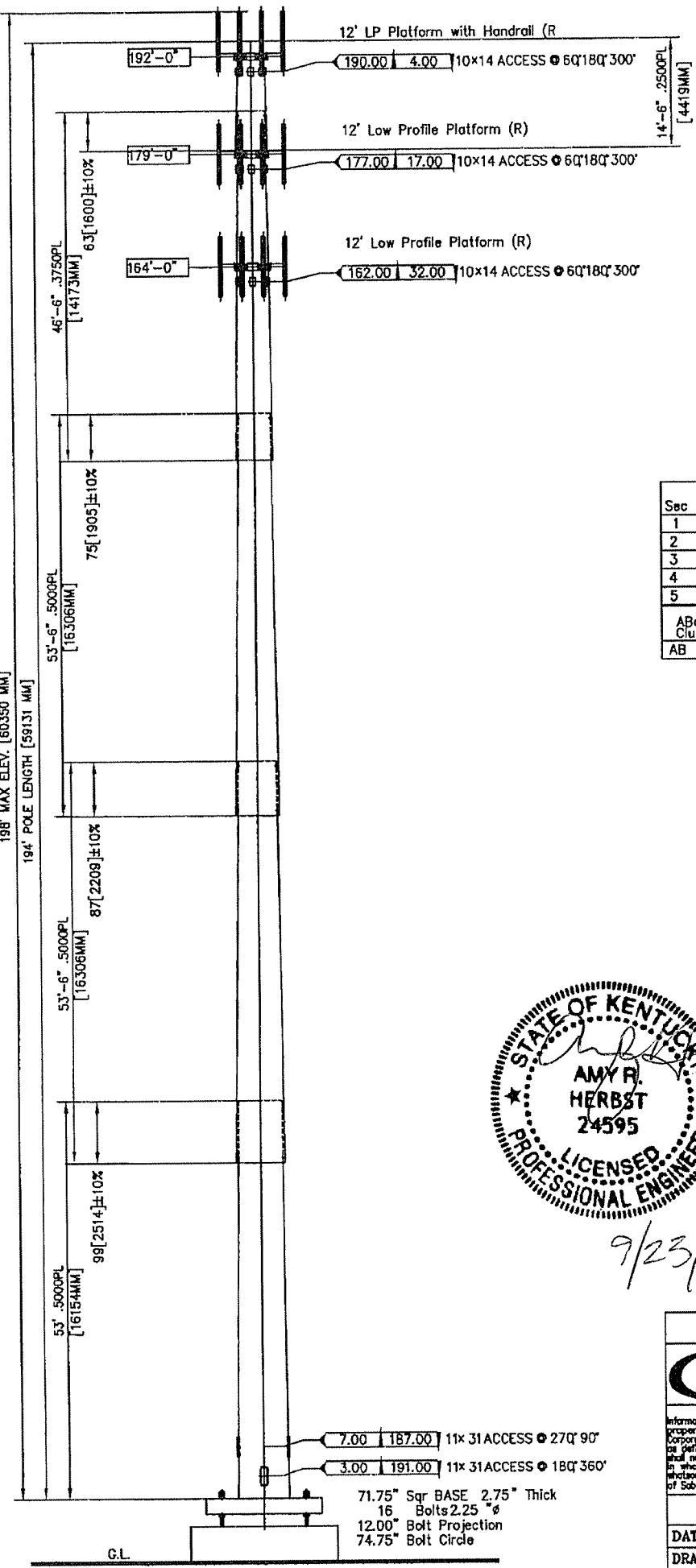
Monopole Profile.....	1
Foundation Design Summary (Option 1).....	2
Foundation Design Summary (Option 2).....	3
Pole Calculation.....	C1-C6
Foundation Calculations.....	A1-A12

Monopole by TRJ
 Foundation by ARJA
 Approved by ARJA



[Handwritten Signature]
 9/23/10

POLE SPECIFICATIONS	
POLE HEIGHT	194.00 FEET
TAPER	.1900 IN/FT
POLE SHAPE	18 SIDED POLYGON
ORIENTATION	FLAT-FLAT



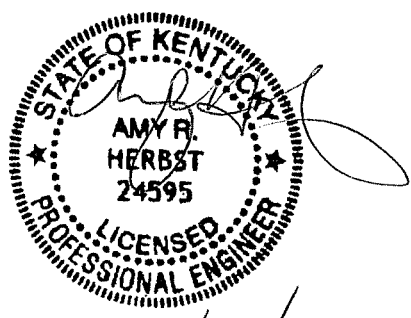
Lev	Qty	Elev ft.	Future	DESCRIPTION
1	1	192.00		12' LP Platform with Handrail (R)
12		194.00		8' X 1' X 3IN PANEL
2	1	179.00	F	12' Low Profile Platform (R)
12		179.00	F	8' X 1' X 3IN PANEL
3	1	164.00	F	12' Low Profile Platform (R)
12		164.00	F	8' X 1' X 3IN PANEL

Load Case DESCRIPTION	Wind (mph)	OLF Vert	Rad. Ice	Factors Gust	Cf	Wind (psf)
1) 3s Gusted Wind	90.0	1.20		1.10	.65	34.7
2) 3s Gusted Wind 0.9	90.0	.90		1.10	.65	34.7
3) 3s Gusted Wind&Ice	30.0	1.20	.75	1.10	1.20	2.4
4) Service Loads	60.0	1.00		1.10	.65	8.6

Load Case DESCRIPTION	Res. Axial (kips)	Base Shear (kips)	React. Mom (ft-k)	Disp. DEFL. (ft)	Top SWAY (deg)
1) 3s Gusted Wind	92.5	38.5	5255	7.5	3.71
2) 3s Gusted Wind 0.9	69.6	38.5	5179	7.4	3.64
3) 3s Gusted Wind&Ice	124.8	4.7	635	.9	.44
4) Service Loads	76.5	9.6	1295	1.8	.91

Sec	LENGTH (ft)	Flat-Flat TOP#	Flat-Flat BOT#	THICK (in)	WEIGHT (lbs)	STEEL SPEC	FINISH
1	14.50	34.00	36.76	.2500	1600	A572-65	Galv
2	46.50	35.26	44.09	.3750	8100	A572-65	Galv
3	53.50	42.15	52.32	.5000	14400	A572-65	Galv
4	53.50	49.94	60.11	.5000	16800	A572-65	Galv
5	53.00	57.54	67.61	.5000	19900	A572-65	Galv
TOTAL					60800		
ABolt Cluster	Bolt#	Holes#					
AB	84.00	2.25	2.625		2300	A615-75	Galv-18"

- FULL HEIGHT STEP BOLTS
- ANTENNA FEED LINES RUN INSIDE POLE
- THE MONOPOLE WAS DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-G, STRUCTURE CLASS II, EXPOSURE CATEGORY C, TOPOGRAPHIC CATEGORY 1.
- THIS STRUCTURE HAS BEEN DESIGNED TO SUPPORT TWELVE (12) 8' x 1' x 3" ANTENNAS OR TWO (2) 8' HP MICROWAVE DISHES AT THE 165', 180' AND 195' ELEVATIONS, BUT NOT BOTH SIMULTANEOUSLY.



9/23/10

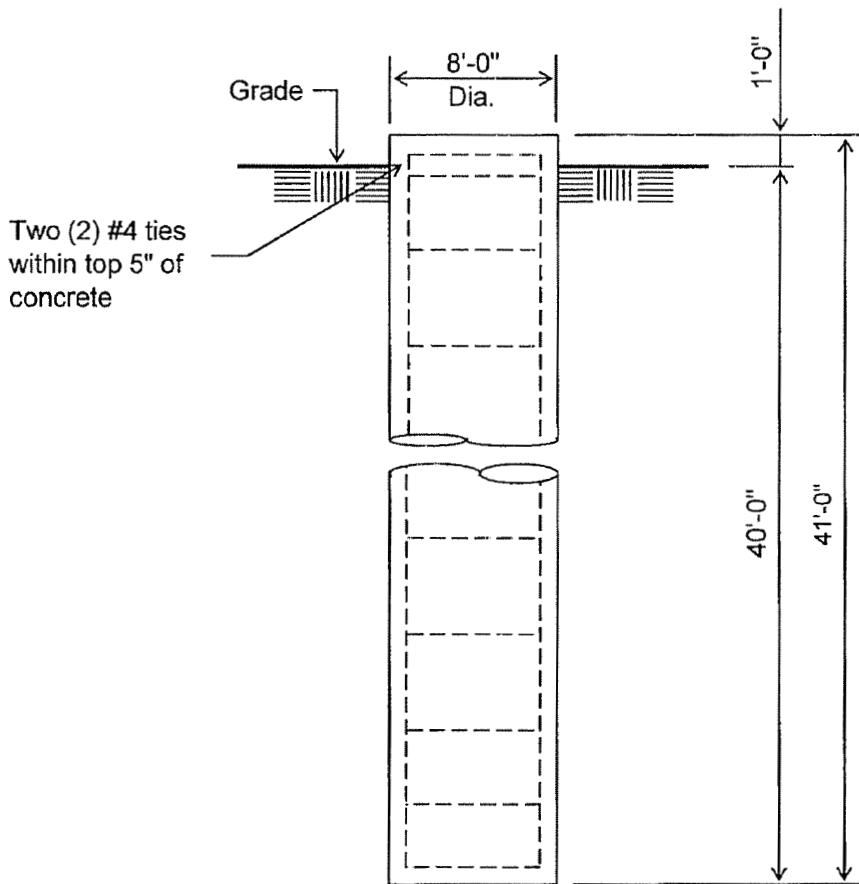
NSORO MASTEC LLC		Exie, KY	
		195.00 MONOPOLE	
<small>CONFIDENTIAL</small> <small>Information contained herein is the sole property of Sabre Communications Corporation, constitutes a trade secret as defined by Iowa Code Ch. 550 and shall not be reproduced, copied or used in whole or in part for any purpose whatsoever without prior written consent of Sabre Communications Corporation.</small>		DATE	20Sep10
SIZE	A	DRAWING NO.	34635-PE
DATE	20Sep10	REFERENCE DRAWING	SCALE
DRAWN BY	-	CHECKED BY	TRJ
34635		PAGE	1

71.75" Sqr BASE 2.75" Thick
 16 Bolts 2.25"
 12.00" Bolt Projection
 74.75" Bolt Circle

G.L.

Customer: NSORO MASTEC LLC
Site: Exie, KY

195' Monopole at
 90 mph Wind with no ice per ANSI/TIA-222-G-2005.
 Antenna Loading per Page 1

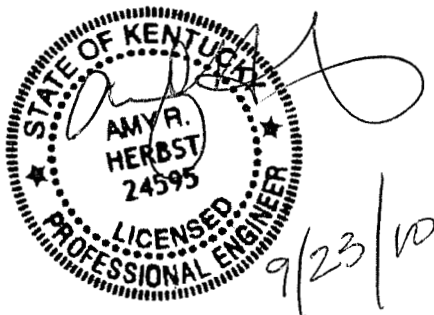


Notes:

- 1). Concrete shall have a minimum 28-day compressive strength of 4000 PSI, in accordance with ACI 318-05.
- 2). Rebars to conform to ASTM specification A615 Grade 60.
- 3). All rebar to have a minimum of 3" concrete cover.
- 4). All exposed concrete corners to be chamfered 3/4".
- 5). The foundation design is based on the geotechnical report by Environmental Corporation of America, project no. L-1053-4, dated September 1, 2010.
- 6). See the geotechnical report for drilled pier installation requirements, if specified.
- 7). The foundation is based on the following factored loads:
 Moment (kip-ft) = 5255.83
 Axial (kips) = 92.516
 Shear (kips) = 38.539

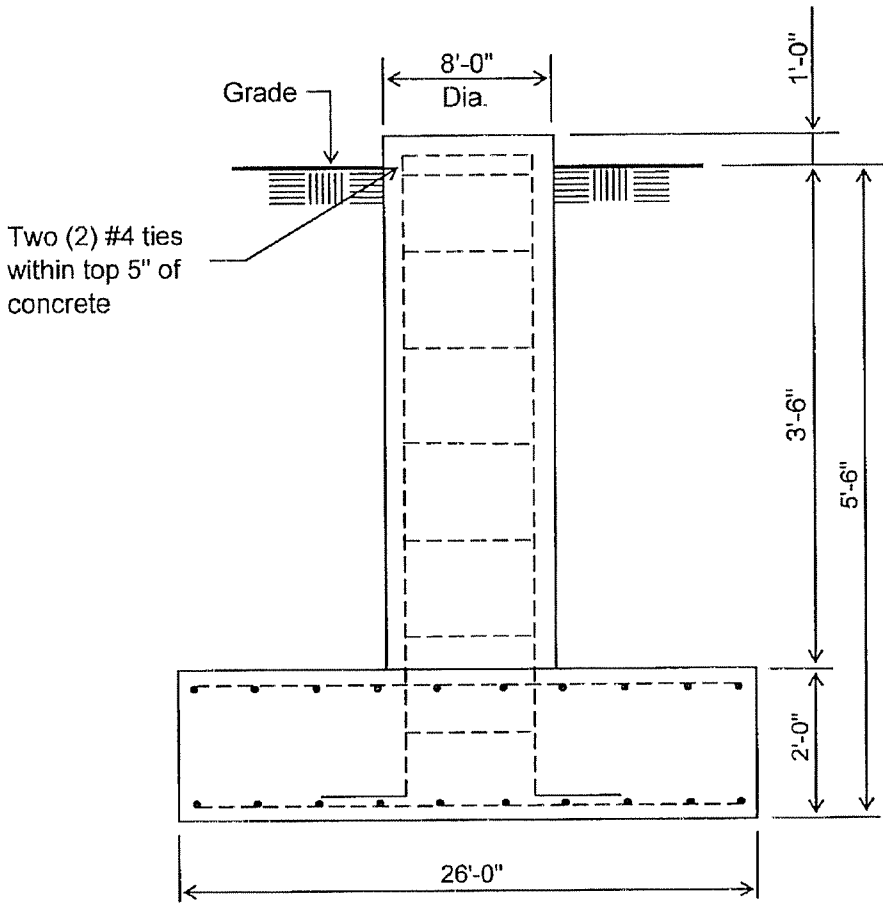
ELEVATION VIEW
 (76.33 Cu. Yds. each)
 (1 REQUIRED; NOT TO SCALE)

Rebar Schedule per Pier	
Pier	(38) #9 vertical rebar w/#4 ties, two within top 5" of pier then 12" C/C



Customer: NSORO MASTEC LLC
Site: Exie, KY

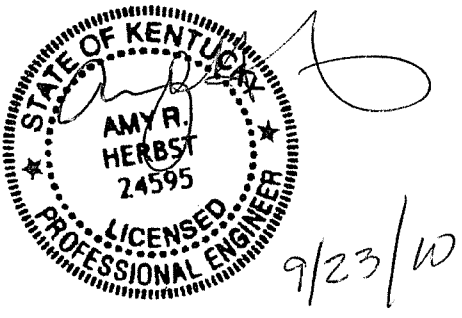
195' Monopole at
 90 mph Wind with no ice per ANSI/TIA-222-G-2005.
 Antenna Loading per Page 1



ELEVATION VIEW
 (58.45 Cu. Yds. each)
 (1 REQUIRED; NOT TO SCALE)

Notes:

- 1). Concrete shall have a minimum 28-day compressive strength of 4000 PSI, in accordance with ACI 318-05
- 2). Rebar to conform to ASTM specification A615 Grade 60.
- 3). All rebar to have a minimum of 3" concrete cover.
- 4). All exposed concrete corners to be chamfered 3/4".
- 5). The foundation design is based on the geotechnical report by Environmental Corporation of America, project no. L-1053-4, dated September 1, 2010.
- 6). See the geotechnical report for compaction requirements, if specified.
- 7). The foundation is based on the following factored loads:
 Moment (kip-ft) = 5255.83
 Axial (kips) = 92.516
 Shear (kips) = 38.539



Rebar Schedule per Pad and Pier	
Pier	(38) #9 vertical rebar w/hooks at bottom w/#4 ties, two within top 5" of top of pier then 12" C/C
Pad	(42) #8 horizontal rebar evenly spaced each way top and bottom (168 Total)

TOP	DIAMETER	34.00 in.	[34.52 in. Point-Point]
BOTTOM	DIAMETER	67.61 in.	[68.65 in. Point-Point]
POLE	HEIGHT	194.00 ft.	18 SIDED FLAT ORIENTATION
BASE	HEIGHT	1.00 ft.	ABOVE GROUND
E-MODULUS		29000 ksi	[12000 ksi SHEAR MODULUS]

APPURTENANCES

ATTACH POINTS:	NO.	X,ft	Qty	Description	Status
	1	192.00	1	12' LP Platform with Handrail (R)	Initial Appurt
	2	179.00	1	12' Low Profile Platform (R)	Future Appurt
	3	164.00	1	12' Low Profile Platform (R)	Future Appurt

Pole Section	Bottom X,ft.	Thick in.	Connect Type	LAP in.	Taper in/ft	Length ft.	Weight lbs	Steel Spec	Pole Finish
1	14.50	.25000	SLIP-JNT	63.	.1900	14.50	1375	A572-65	GALVANIZE
2	55.75	.37500	SLIP-JNT	75.	.1900	46.50	7401	A572-65	GALVANIZE
3	103.00	.50000	SLIP-JNT	87.	.1900	53.50	13502	A572-65	GALVANIZE
4	149.25	.50000	SLIP-JNT	99.	.1900	53.50	15752	A572-65	GALVANIZE
5	194.00	.50000	C-WELD		.1900	53.00	17765	A572-65	Special

SECTION PROPERTIES

X,ft	UP,ft	D,in	T,in	Area in ²	Iz in ⁴	IxIy in ⁴	SxSy in ³	w/t	d/t	F _y (ksi)	
194.00	.00	34.00	.2500	26.78	7706	3853	223.2	22.22	136.0	65.00	TOP
192.00	2.00	34.38	.2500	27.08	7968	3984	228.2	22.49	137.5	65.00	P01
187.00	7.00	35.33	.2500	27.83	8654	4327	241.2	23.16	141.3	65.00	
184.75	9.25	35.76	.2500	28.17	8972	4486	247.1	23.46	143.0	65.00	Slip-B01
179.75	14.25	36.21	.3750	42.65	13832	6916	376.2	15.26	96.6	65.00	
179.50	14.50	36.26	.3750	42.70	13888	6944	377.2	15.28	96.7	65.00	Slip-T02
179.00	15.00	36.35	.3750	42.82	13998	6999	379.2	15.33	96.9	65.00	P02
174.00	20.00	37.30	.3750	43.95	15138	7569	399.7	15.78	99.5	65.00	
169.00	25.00	38.25	.3750	45.08	16336	8168	420.6	16.22	102.0	65.00	
164.00	30.00	39.20	.3750	46.21	17596	8798	442.1	16.67	104.5	65.00	P03
159.00	35.00	40.15	.3750	47.34	18920	9460	464.1	17.12	107.1	65.00	
154.00	40.00	41.10	.3750	48.47	20308	10154	486.6	17.56	109.6	65.00	
149.00	45.00	42.05	.3750	49.60	21762	10881	509.7	18.01	112.1	65.00	
144.50	49.50	42.91	.3750	50.62	23130	11565	530.9	18.41	114.4	65.00	Slip-B02
139.50	54.50	43.11	.5000	67.61	31004	15502	708.3	13.44	86.2	65.00	
138.25	55.75	43.34	.5000	67.99	31526	15763	716.3	13.52	86.7	65.00	Slip-T03
133.25	60.75	44.29	.5000	69.50	33668	16834	748.6	13.86	88.6	65.00	
128.25	65.75	45.24	.5000	71.00	35908	17954	781.6	14.19	90.5	65.00	
123.25	70.75	46.19	.5000	72.51	38244	19122	815.3	14.53	92.4	65.00	
118.25	75.75	47.14	.5000	74.02	40678	20339	849.8	14.86	94.3	65.00	
113.25	80.75	48.09	.5000	75.53	43216	21608	884.9	15.20	96.2	65.00	
108.25	85.75	49.04	.5000	77.03	45856	22928	920.8	15.53	98.1	65.00	
103.25	90.75	49.99	.5000	78.54	48602	24301	957.4	15.87	100.0	65.00	
98.25	95.75	50.94	.5000	80.05	51452	25726	994.7	16.20	101.9	65.00	Slip-B03
93.25	100.75	50.89	.5000	79.97	51300	25650	992.7	16.18	101.8	65.00	
91.00	103.00	51.32	.5000	80.65	52616	26308	1009.7	16.33	102.6	65.00	Slip-T04
86.00	108.00	52.27	.5000	82.16	55622	27811	1048.0	16.67	104.5	65.00	
81.00	113.00	53.22	.5000	83.66	58742	29371	1087.0	17.00	106.4	65.00	
76.00	118.00	54.17	.5000	85.17	61974	30987	1126.7	17.34	108.3	65.00	
71.00	123.00	55.12	.5000	86.68	65324	32662	1167.1	17.68	110.2	65.00	
66.00	128.00	56.07	.5000	88.19	68792	34396	1208.3	18.01	112.1	65.00	
61.00	133.00	57.02	.5000	89.69	72380	36190	1250.1	18.35	114.0	65.00	
56.00	138.00	57.97	.5000	91.20	76090	38045	1292.6	18.68	115.9	65.00	
53.00	141.00	58.54	.5000	92.11	78378	39189	1318.5	18.88	117.1	65.00	Slip-B04
48.00	146.00	58.49	.5000	92.03	78176	39088	1316.3	18.86	117.0	65.00	
44.75	149.25	59.11	.5000	93.01	80700	40350	1344.6	19.08	118.2	65.00	Slip-T05
39.75	154.25	60.06	.5000	94.51	84688	42344	1388.7	19.42	120.1	65.00	
34.75	159.25	61.01	.5000	96.02	88804	44402	1433.5	19.75	122.0	65.00	
29.75	164.25	61.96	.5000	97.53	93054	46527	1479.1	20.09	123.9	65.00	
24.75	169.25	62.91	.5000	99.04	97434	48717	1525.3	20.42	125.8	65.00	
19.75	174.25	63.86	.5000	100.54	101952	50976	1572.3	20.76	127.7	65.00	
14.75	179.25	64.81	.5000	102.05	106608	53304	1620.0	21.09	129.6	65.00	
9.75	184.25	65.76	.5000	103.56	111402	55701	1668.4	21.43	131.5	65.00	
4.75	189.25	66.71	.5000	105.07	116340	58170	1717.5	21.76	133.4	65.00	
.00	194.00	67.61	.5000	106.50	121162	60581	1764.8	22.08	135.2	65.00	BASE

CASE - 1: 3s Gusted Wind

ANSI-TIA-222-G

WIND OLF	1.60	GUSTED WIND (3sec)	90.0 mph	144.8 kph
VERTICAL OLF	1.20	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.00 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	.65	PRESSURE @ 32.7 ft	34.7 psf	1659.0 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.95	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCE LOADS

#	Qty	Description	Center Line Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE Type	Qty	#/Ft	WIND Psf	FORCES Tra-Y Kips	Ax-Z Kips	MOM. Lg-X Ft-K
1	1	12' LP Platform with Handrail (R)	192.0	1491	111.1				50.5	5.61	-1.8	-8.4
-	12	8' X 1' X 3IN PANEL	194.0	80		1 5/8"	24	1.04	50.5		-6.9	
2	1	12' Low Profile Platform (R)	179.0	1239	105.2				49.7	5.22	-1.5	-1.3
-	12	8' X 1' X 3IN PANEL	179.0	80		1 5/8"	24	1.04	49.7		-6.5	
3	1	12' Low Profile Platform (R)	164.0	1239	105.2				48.8	5.13	-1.5	-1.3
-	12	8' X 1' X 3IN PANEL	164.0	80		1 5/8"	24	1.04	48.8		-6.1	

RESULTS

X, ft	Kzt	WIND psf	ICE in	FORCES, kips	MOMENTS, ft-kips	F'y ksi	Inter 4.8.2
				ShearX ShearY AxiaZ	BendX BendY TorqZ		
194.00	1.00	32.83	.00	.0	.01	-.1	.0
192.00	1.00	32.76	.00	.0	6.52	-8.8	-.0
187.00	1.00	32.58	.00	.0	7.00	-9.3	-41.7
184.75	1.00	32.49	.00	.0	7.40	-10.0	-57.5
179.75	1.00	32.31	.00	.0	7.69	-10.5	-94.4
179.50	1.00	32.30	.00	.0	7.73	-10.6	-96.3
179.00	1.00	32.28	.00	.0	13.76	-18.8	-101.5
174.00	1.00	32.09	.00	.0	14.31	-19.7	-170.3
169.00	1.00	31.89	.00	.0	14.87	-20.6	-241.8
164.00	1.00	31.69	.00	.0	21.01	-28.8	-317.4
159.00	1.00	31.49	.00	.0	21.57	-29.8	-422.5
154.00	1.00	31.28	.00	.0	22.14	-30.8	-530.4
149.00	1.00	31.06	.00	.0	22.69	-32.0	-641.1
144.50	1.00	30.86	.00	.0	23.26	-33.6	-743.2
139.50	1.00	30.64	.00	.0	23.64	-34.7	-859.2
138.25	1.00	30.58	.00	.0	24.03	-36.1	-889.2
133.25	1.00	30.35	.00	.0	24.64	-37.9	-1009.2
128.25	1.00	30.10	.00	.0	25.23	-39.4	-1132.5
123.25	1.00	29.86	.00	.0	25.82	-40.9	-1258.3
118.25	1.00	29.60	.00	.0	26.41	-42.4	-1387.5
113.25	1.00	29.33	.00	.0	27.00	-44.0	-1519.2
108.25	1.00	29.06	.00	.0	27.60	-45.6	-1654.2
103.25	1.00	28.77	.00	.0	28.21	-47.7	-1792.5
98.25	1.00	28.48	.00	.0	28.83	-50.2	-1933.3
93.25	1.00	28.17	.00	.0	29.27	-52.0	-2077.5
91.00	1.00	28.03	.00	.0	29.70	-53.9	-2143.3
86.00	1.00	27.70	.00	.0	30.28	-56.0	-2291.7
81.00	1.00	27.35	.00	.0	30.83	-57.8	-2443.3
76.00	1.00	26.99	.00	.0	31.39	-59.6	-2597.5
71.00	1.00	26.62	.00	.0	31.94	-61.4	-2754.2
66.00	1.00	26.22	.00	.0	32.48	-63.3	-2914.2
61.00	1.00	25.79	.00	.0	33.01	-65.2	-3076.7
56.00	1.00	25.34	.00	.0	33.44	-67.0	-3241.7
53.00	1.00	25.05	.00	.0	33.87	-69.3	-3341.7
48.00	1.00	24.54	.00	.0	34.30	-71.7	-3511.7
44.75	1.00	24.19	.00	.0	34.71	-74.1	-3622.5
39.75	1.00	23.61	.00	.0	35.18	-76.6	-3796.7
34.75	1.00	22.97	.00	.0	35.63	-78.7	-3972.5
29.75	1.00	22.25	.00	.0	36.07	-80.7	-4150.0
24.75	1.00	21.44	.00	.0	36.51	-82.8	-4330.8
19.75	1.00	20.48	.00	.0	36.96	-85.0	-4513.3
14.75	1.00	19.33	.00	.0	37.40	-87.1	-4698.3
9.75	1.00	19.16	.00	.0	37.84	-89.3	-4885.0
4.75	1.00	19.16	.00	.0	38.28	-91.5	-5074.2
.00	1.00	19.16	.00	.0	38.54	-92.5	5255.8

DISPLACEMENTS

ELEV X, ft	DEFLECTION feet			ROTATION, degrees				
	X	Y	Z	XY-Result	X	Y	Z	XY-Result
194.00	.00	7.50	-.19	7.50< 3.87%>	-3.71	.00	.00	3.71

CASE - 2: 3s Gusted Wind 0.9 Dead

ANSI-TIA-222-G

WIND OLF	1.60	GUSTED WIND (3sec)	90.0 mph	144.8 kph
VERTICAL OLF	.90	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.00 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	.65	PRESSURE @ 32.7 ft	34.7 psf	1659.0 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.95	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCE LOADS

# Qty	Description	Center Line Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE			WIND Psf	FORCES		MOM. Lg-X Ft-K
					Type	Qty	#/Ft		Tra-Y Kips	Ax-Z Kips	
1	12' LP Platform with Handrail (R)	192.0	1491	111.1				50.5	5.61	-1.3	-8.4
12	8' X 1' X 3IN PANEL	194.0	80		1	5/8"	24	1.04			-5.2
2	12' Low Profile Platform (R)	179.0	1239	105.2				49.7	5.22	-1.1	-1.3
12	8' X 1' X 3IN PANEL	179.0	80		1	5/8"	24	1.04			-4.9
3	12' Low Profile Platform (R)	164.0	1239	105.2				48.8	5.13	-1.1	-1.3
12	8' X 1' X 3IN PANEL	164.0	80		1	5/8"	24	1.04			-4.5

RESULTS

X, ft	Kzt	WIND psf	ICE in	:--- FORCES, kips ---:			:---MOMENTS, ft-kips---:			F'y ksi	Inter 4.8.2
				ShearX	ShearY	AxiaZ	BendX	BendY	TorqZ		
194.00	1.00	32.83	.00	.0	.00	-.1	.0	.0	.0	75.25	.000
192.00	1.00	32.76	.00	.0	6.37	-6.5	-8.6	.0	.0	74.93	.010
187.00	1.00	32.58	.00	.0	6.83	-6.9	-40.9	.0	.0	74.14	.034
184.75	1.00	32.49	.00	.0	7.22	-7.4	-56.3	.0	.0	73.79	.045
179.75	1.00	32.31	.00	.0	7.50	-7.8	-92.4	.0	.0	82.55	.042
179.50	1.00	32.30	.00	.0	7.54	-7.9	-94.3	.0	.0	82.55	.043
179.00	1.00	32.28	.00	.0	13.43	-13.9	-99.3	.0	.0	82.55	.047
174.00	1.00	32.09	.00	.0	13.97	-14.6	-166.5	.0	.0	82.55	.072
169.00	1.00	31.89	.00	.0	14.51	-15.3	-236.3	.0	.0	82.30	.096
164.00	1.00	31.69	.00	.0	20.53	-21.4	-310.2	.0	.0	81.78	.121
159.00	1.00	31.49	.00	.0	21.08	-22.1	-412.8	.0	.0	81.25	.153
154.00	1.00	31.28	.00	.0	21.64	-22.9	-518.2	.0	.0	80.73	.183
149.00	1.00	31.06	.00	.0	22.18	-23.8	-626.4	.0	.0	80.20	.211
144.50	1.00	30.86	.00	.0	22.74	-25.0	-726.2	.0	.0	79.73	.236
139.50	1.00	30.64	.00	.0	23.11	-25.9	-840.0	.0	.0	82.55	.197
138.25	1.00	30.58	.00	.0	23.49	-26.9	-869.2	.0	.0	82.55	.201
133.25	1.00	30.35	.00	.0	24.09	-28.2	-986.7	.0	.0	82.55	.218
128.25	1.00	30.10	.00	.0	24.68	-29.3	-1106.7	.0	.0	82.55	.234
123.25	1.00	29.86	.00	.0	25.27	-30.5	-1230.0	.0	.0	82.55	.249
118.25	1.00	29.60	.00	.0	25.86	-31.7	-1356.7	.0	.0	82.55	.264
113.25	1.00	29.33	.00	.0	26.45	-32.9	-1485.8	.0	.0	82.55	.277
108.25	1.00	29.06	.00	.0	27.05	-34.1	-1618.3	.0	.0	82.55	.290
103.25	1.00	28.77	.00	.0	27.66	-35.7	-1753.3	.0	.0	82.55	.302
98.25	1.00	28.48	.00	.0	28.28	-37.5	-1891.7	.0	.0	82.33	.314
93.25	1.00	28.17	.00	.0	28.72	-38.9	-2033.3	.0	.0	82.35	.338
91.00	1.00	28.03	.00	.0	29.15	-40.3	-2097.5	.0	.0	82.17	.344
86.00	1.00	27.70	.00	.0	29.74	-41.9	-2243.3	.0	.0	81.78	.356
81.00	1.00	27.35	.00	.0	30.31	-43.3	-2391.7	.0	.0	81.38	.368
76.00	1.00	26.99	.00	.0	30.89	-44.6	-2543.3	.0	.0	80.99	.379
71.00	1.00	26.62	.00	.0	31.45	-46.0	-2698.3	.0	.0	80.59	.390
66.00	1.00	26.22	.00	.0	32.02	-47.4	-2855.0	-.1	.0	80.20	.400
61.00	1.00	25.79	.00	.0	32.57	-48.9	-3015.0	-.1	.0	79.80	.411
56.00	1.00	25.34	.00	.0	33.02	-50.3	-3178.3	-.1	.0	79.41	.421
53.00	1.00	25.05	.00	.0	33.47	-52.0	-3277.5	-.1	.0	79.17	.427
48.00	1.00	24.54	.00	.0	33.91	-53.8	-3445.0	-.1	.0	79.19	.449
44.75	1.00	24.19	.00	.0	34.35	-55.6	-3555.0	-.1	.0	78.94	.455
39.75	1.00	23.61	.00	.0	34.85	-57.5	-3726.7	-.1	.0	78.54	.464
34.75	1.00	22.97	.00	.0	35.34	-59.1	-3900.8	-.1	.0	78.15	.473
29.75	1.00	22.25	.00	.0	35.82	-60.6	-4077.5	-.1	.0	77.75	.482
24.75	1.00	21.44	.00	.0	36.31	-62.2	-4256.7	-.1	.0	77.36	.490
19.75	1.00	20.48	.00	.0	36.79	-63.8	-4438.3	-.1	.0	76.97	.498
14.75	1.00	19.33	.00	.0	37.28	-65.5	-4622.5	-.1	.0	76.57	.506
9.75	1.00	19.16	.00	.0	37.77	-67.2	-4808.3	-.1	.0	76.18	.514
4.75	1.00	19.16	.00	.0	38.25	-68.8	-4997.5	-.1	.0	75.78	.522
.00	1.00	19.16	.00	.0	38.51	-69.6	5179.2	.1	.0	75.41	.529

DISPLACEMENTS

ELEV X, ft	DEFLECTION feet			ROTATION, degrees				
	X	Y	Z	XY-Result	X	Y	Z	XY-Result
194.00	.00	7.36	-.18	7.36< 3.79%>	-3.64	.00	.00	3.64

CASE - 3: 3s Gusted Wind&Ice

ANSI-TIA-222-G

WIND OLF	1.00	GUSTED WIND (3sec)	30.0 mph	48.3 kph
VERTICAL OLF	1.20	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.75 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	1.20	PRESSURE @ 32.7 ft	2.4 psf	115.2 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.95	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCE LOADS

#	Qty	Description	Center Line Elev-Ft	WEIGHT each Lbs	AREA each Ft^2	Tx-CABLE			WIND Psf	FORCES		MOM. Lg-X Ft-K
						Type	Qty	#/Ft		Tra-Y Kips	Ax-Z Kips	
-	1	12' LP Platform with Handrail (R)	192.0	1640	167.7				3.5	.59	-6.8	-.9
-	12	8' X 1' X 3IN PANEL	194.0	131		1	5/8"	24	1.04	3.5		-11.2
-	2	12' Low Profile Platform (R)	179.0	1363	153.6				3.4	.53	-5.9	-.1
-	12	8' X 1' X 3IN PANEL	179.0	131		1	5/8"	24	1.04	3.4		-10.7
-	3	12' Low Profile Platform (R)	164.0	1363	153.2				3.4	.52	-5.8	-.1
-	12	8' X 1' X 3IN PANEL	164.0	131		1	5/8"	24	1.04	3.4		-10.2

RESULTS

X, ft	Kzt	WIND psf	ICE in	--- FORCES, kips ---				--- MOMENTS, ft-kips ---			F'y ksi	Inter 4.8.2
				ShearX	ShearY	AxiaZ	BendX	BendY	TorqZ			
194.00	1.00	4.21	1.79	.0	.00	-.2	.0	.0	.0	75.25	.000	
192.00	1.00	4.20	1.79	.0	.74	-14.0	-.9	.0	.0	74.93	.008	
187.00	1.00	4.18	1.79	.0	.81	-14.7	-4.7	.0	.0	74.14	.011	
184.75	1.00	4.17	1.78	.0	.87	-15.7	-6.5	.0	.0	73.79	.013	
179.75	1.00	4.14	1.78	.0	.91	-16.5	-10.9	.0	.0	82.55	.010	
179.50	1.00	4.14	1.78	.0	.92	-16.6	-11.1	.0	.0	82.55	.010	
179.00	1.00	4.14	1.78	.0	1.59	-29.7	-11.7	.0	.0	82.55	.014	
174.00	1.00	4.11	1.77	.0	1.66	-31.1	-19.6	.0	.0	82.55	.017	
169.00	1.00	4.09	1.77	.0	1.74	-32.4	-27.9	.0	.0	82.30	.020	
164.00	1.00	4.06	1.76	.0	2.43	-45.7	-36.8	.0	.0	81.78	.027	
159.00	1.00	4.04	1.76	.0	2.51	-47.1	-48.9	.0	.0	81.25	.031	
154.00	1.00	4.01	1.75	.0	2.59	-48.5	-61.5	.0	.0	80.73	.035	
149.00	1.00	3.98	1.75	.0	2.66	-50.2	-74.4	.0	.0	80.20	.038	
144.50	1.00	3.96	1.74	.0	2.74	-52.2	-86.3	.0	.0	79.73	.042	
139.50	1.00	3.93	1.73	.0	2.79	-53.6	-100.1	.0	.0	82.55	.033	
138.25	1.00	3.92	1.73	.0	2.85	-55.2	-103.6	.0	.0	82.55	.034	
133.25	1.00	3.89	1.73	.0	2.93	-57.5	-117.8	.0	.0	82.55	.037	
128.25	1.00	3.86	1.72	.0	3.01	-59.4	-132.5	.0	.0	82.55	.039	
123.25	1.00	3.83	1.71	.0	3.09	-61.4	-147.5	.0	.0	82.55	.041	
118.25	1.00	3.79	1.71	.0	3.17	-63.4	-163.0	.0	.0	82.55	.043	
113.25	1.00	3.76	1.70	.0	3.25	-65.5	-178.8	.0	.0	82.55	.044	
108.25	1.00	3.73	1.69	.0	3.33	-67.6	-195.2	.0	.0	82.55	.046	
103.25	1.00	3.69	1.68	.0	3.42	-70.1	-211.8	.0	.0	82.55	.048	
98.25	1.00	3.65	1.67	.0	3.50	-73.1	-228.9	.0	.0	82.33	.050	
93.25	1.00	3.61	1.67	.0	3.56	-75.3	-246.3	.0	.0	82.35	.053	
91.00	1.00	3.59	1.66	.0	3.61	-77.5	-254.3	.0	.0	82.17	.054	
86.00	1.00	3.55	1.65	.0	3.69	-80.1	-272.4	.0	.0	81.78	.056	
81.00	1.00	3.51	1.64	.0	3.76	-82.4	-290.9	.0	.0	81.38	.057	
76.00	1.00	3.46	1.63	.0	3.84	-84.7	-309.7	.0	.0	80.99	.059	
71.00	1.00	3.41	1.62	.0	3.91	-87.1	-328.9	.0	.0	80.59	.060	
66.00	1.00	3.36	1.61	.0	3.98	-89.4	-348.4	.0	.0	80.20	.062	
61.00	1.00	3.31	1.60	.0	4.05	-91.8	-368.3	.0	.0	79.80	.063	
56.00	1.00	3.25	1.58	.0	4.10	-94.1	-388.5	.0	.0	79.41	.065	
53.00	1.00	3.21	1.58	.0	4.16	-96.8	-400.8	.0	.0	79.17	.066	
48.00	1.00	3.15	1.56	.0	4.21	-99.6	-421.6	.0	.0	79.19	.069	
44.75	1.00	3.10	1.55	.0	4.26	-102.5	-435.3	.0	.0	78.94	.070	
39.75	1.00	3.03	1.53	.0	4.32	-105.4	-456.6	.0	.0	78.54	.072	
34.75	1.00	2.94	1.51	.0	4.38	-108.0	-478.2	.0	.0	78.15	.073	
29.75	1.00	2.85	1.49	.0	4.43	-110.6	-500.1	.0	.0	77.75	.074	
24.75	1.00	2.75	1.46	.0	4.49	-113.2	-522.3	.0	.0	77.36	.075	
19.75	1.00	2.63	1.43	.0	4.54	-115.8	-544.7	.0	.0	76.97	.077	
14.75	1.00	2.48	1.39	.0	4.59	-118.5	-567.3	.0	.0	76.57	.078	
9.75	1.00	2.46	1.34	.0	4.65	-121.2	-590.3	.0	.0	76.18	.079	
4.75	1.00	2.46	1.26	.0	4.70	-123.8	-613.6	.0	.0	75.78	.080	
.00	1.00	2.46	1.06	.0	4.73	-124.8	635.8	.0	.0	75.41	.081	

DISPLACEMENTS

ELEV X, ft	DEFLECTION feet			ROTATION, degrees				
	X	Y	Z	XY-Result	X	Y	Z	XY-Result
194.00	.00	.90	-.01	.90< .46%>	-.44	.00	.00	.44

CASE - 4: Service Loads

ANSI-TIA-222-G

WIND OLF	1.00	GUSTED WIND (3sec)	60.0 mph	96.6 kph
VERTICAL OLF	1.00	EXP-CAT/STRUC CLASS	C-II	
DESIGN ICE	.00 in	EXP-POWER COEFF.	.2105	
GUST FACTOR (Gh)	1.10	REFERENCE HEIGHT	900.0 ft	
FORCE COEFF (Cf)	.65	PRESSURE @ 32.7 ft	8.6 psf	412.3 Pa
IMPORTANCE FAC (I)	1.00	BASE ABOVE Grd	1.0	
DIRECTION FAC (Kd)	.85	CREST HEIGHT	.0 ft	
TOPOGRAPHIC CAT	1			

APPURTENANCE LOADS

#	Qty	Description	Center WEIGHT AREA			Tx-CABLE		WIND Psf	FORCES		MOM. Lg-X Ft-K
			Elev-Ft	each Lbs	each Ft^2	Type	Qty #/Ft		Tra-Y Kips	Ax-Z Kips	
- 1	1	12' LP Platform with Handrail (R)	192.0	1491	111.1			12.5	1.39	-1.5	-2.1
	12	8' X 1' X 3IN PANEL	194.0	80		1 5/8"	24 1.04	12.6		-5.8	
- 2	1	12' Low Profile Platform (R)	179.0	1239	105.2			12.3	1.30	-1.2	-.3
	12	8' X 1' X 3IN PANEL	179.0	80		1 5/8"	24 1.04	12.3		-5.4	
- 3	1	12' Low Profile Platform (R)	164.0	1239	105.2			12.1	1.27	-1.2	-.3
	12	8' X 1' X 3IN PANEL	164.0	80		1 5/8"	24 1.04	12.1		-5.1	

RESULTS

X, ft	Kzt	WIND psf	ICE in	FORCES, kips				MOMENTS, ft-kips			F'y ksi	Inter 4.8.2
				ShearX	ShearY	Axiaz	BendX	BendY	TorqZ			
194.00	1.00	8.16	.00	.00	.00	-.1	.0	.0	.0	75.25	.000	
192.00	1.00	8.14	.00	.00	1.60	-7.6	-2.1	.0	.0	74.93	.006	
187.00	1.00	8.10	.00	.00	1.72	-8.0	-10.3	.0	.0	74.14	.012	
184.75	1.00	8.08	.00	.00	1.81	-8.6	-14.1	.0	.0	73.79	.015	
179.75	1.00	8.03	.00	.00	1.88	-9.1	-23.2	.0	.0	82.55	.013	
179.50	1.00	8.03	.00	.00	1.89	-9.1	-23.6	.0	.0	82.55	.013	
179.00	1.00	8.02	.00	.00	3.37	-16.2	-24.9	.0	.0	82.55	.016	
174.00	1.00	7.98	.00	.00	3.51	-17.0	-41.8	.0	.0	82.55	.022	
169.00	1.00	7.93	.00	.00	3.64	-17.7	-59.3	.0	.0	82.30	.028	
164.00	1.00	7.88	.00	.00	5.15	-24.8	-77.8	.0	.0	81.78	.036	
159.00	1.00	7.83	.00	.00	5.29	-25.6	-103.6	.0	.0	81.25	.044	
154.00	1.00	7.77	.00	.00	5.43	-26.4	-130.1	.0	.0	80.73	.052	
149.00	1.00	7.72	.00	.00	5.57	-27.4	-157.2	.0	.0	80.20	.059	
144.50	1.00	7.67	.00	.00	5.71	-28.7	-182.3	.0	.0	79.73	.065	
139.50	1.00	7.61	.00	.00	5.80	-29.7	-210.8	.0	.0	82.55	.054	
138.25	1.00	7.60	.00	.00	5.89	-30.8	-218.0	.0	.0	82.55	.055	
133.25	1.00	7.54	.00	.00	6.04	-32.2	-247.5	.0	.0	82.55	.060	
128.25	1.00	7.48	.00	.00	6.19	-33.4	-277.7	.0	.0	82.55	.064	
123.25	1.00	7.42	.00	.00	6.34	-34.7	-308.7	.0	.0	82.55	.068	
118.25	1.00	7.36	.00	.00	6.48	-35.9	-340.3	.0	.0	82.55	.071	
113.25	1.00	7.29	.00	.00	6.63	-37.2	-372.8	.0	.0	82.55	.075	
108.25	1.00	7.22	.00	.00	6.78	-38.5	-405.9	.0	.0	82.55	.078	
103.25	1.00	7.15	.00	.00	6.93	-40.2	-439.8	.0	.0	82.55	.081	
98.25	1.00	7.08	.00	.00	7.08	-42.3	-474.4	.0	.0	82.33	.084	
93.25	1.00	7.00	.00	.00	7.19	-43.7	-509.8	.0	.0	82.35	.091	
91.00	1.00	6.97	.00	.00	7.30	-45.2	-526.1	.0	.0	82.17	.092	
86.00	1.00	6.88	.00	.00	7.45	-47.0	-562.6	.0	.0	81.78	.095	
81.00	1.00	6.80	.00	.00	7.59	-48.4	-599.8	.0	.0	81.38	.098	
76.00	1.00	6.71	.00	.00	7.73	-49.9	-637.8	.0	.0	80.99	.101	
71.00	1.00	6.62	.00	.00	7.87	-51.3	-676.4	.0	.0	80.59	.104	
66.00	1.00	6.52	.00	.00	8.01	-52.8	-715.8	.0	.0	80.20	.107	
61.00	1.00	6.41	.00	.00	8.14	-54.4	-755.8	.0	.0	79.80	.109	
56.00	1.00	6.30	.00	.00	8.25	-55.9	-796.5	.0	.0	79.41	.112	
53.00	1.00	6.23	.00	.00	8.36	-57.7	-821.3	.0	.0	79.17	.114	
48.00	1.00	6.10	.00	.00	8.47	-59.7	-863.3	.0	.0	79.19	.120	
44.75	1.00	6.01	.00	.00	8.58	-61.6	-890.8	.0	.0	78.94	.121	
39.75	1.00	5.87	.00	.00	8.70	-63.7	-933.3	.0	.0	78.54	.124	
34.75	1.00	5.71	.00	.00	8.82	-65.3	-976.7	.0	.0	78.15	.126	
29.75	1.00	5.53	.00	.00	8.94	-67.0	-1020.8	.0	.0	77.75	.128	
24.75	1.00	5.33	.00	.00	9.05	-68.7	-1065.8	.0	.0	77.36	.130	
19.75	1.00	5.09	.00	.00	9.17	-70.4	-1110.8	.0	.0	76.97	.133	
14.75	1.00	4.80	.00	.00	9.29	-72.1	-1156.7	.0	.0	76.57	.135	
9.75	1.00	4.76	.00	.00	9.41	-73.9	-1203.3	.0	.0	76.18	.137	
4.75	1.00	4.76	.00	.00	9.52	-75.6	-1250.0	.0	.0	75.78	.139	
.00	1.00	4.76	.00	.00	9.59	-76.5	-1295.8	.0	.0	75.41	.140	

DISPLACEMENTS

ELEV X, ft	DEFLECTION feet			ROTATION, degrees			MicroW Allow
	X	Y	Z	X	Y	Z	
194.00	.00	1.84	-.01	1.84<	.95%>	-.91	.00

SHAPE: 18 SIDED POLYGON with FLAT-FLAT ORIENTATION
 BOLTS: QUADRANT SPACED BOLTS 6.00 in. ON CENTER
 LOCATE:

POLE DATA

DIAMETER =	67.61 in.	BASE	AXIAL FORCE=	-92.5 kips	Vert
PLATE =	.5000 in.	ACTIONS	SHEAR X =	25.0 kips	Long
TAPER =	.1900 in/ft		SHEAR Y =	29.4 kips	Tran
POLE Fy =	65.00 ksi		X-AXIS MOM =	3715.9 ft-kips	Tran
			Y-Axis MOM =	3715.9 ft-kips	Long
			Z-Axis MOM =	.0 ft-kips	Vert

DESIGN CASE = 1 3s Gusted Wind

Design: ANY Orientation Reactions at 45.00 deg to X-AXIS

BOLT LOADS

AXIAL - COMPRESSION	=	216.72 kips	
AXIAL - TENSION	=	205.15 kips	
SHEAR	=	3.40 kips	
AXIAL STRESS	=	66.68 ksi	
SHEAR STRESS	=	1.11 ksi	
YIELD STRENGTH Fy	=	75.00 ksi	
ULT. STRENGTH Fu	=	100.00 ksi	Interaction
ALLOW STRESS Fa [.80 x 1.00]	=	80.00 ksi	.861 TIA-G
SHEAR Fv [.80 x .40]	=	32.00 ksi	
TENSION AREA REQUIRED	=	2.71 in ²	
TENSION AREA FURNISHED	=	3.25 in ²	
ROOT AREA FURNISHED	=	3.07 in ²	

A615 ::: ANCHOR BOLT DESIGN USED

16 Bolts on a 74.750 in. Bolt Circle SHIP
 2.250 in. Diameter 67.13 in. Embedded (lbs)
 12.00 in. Exposed 84.00 in. Total Length 2225

CONCRETE - Fc= 4000 psi

ANCHOR BOLTS are STRAIGHT w\ UPLIFT NUT

BASE PLATE

[Bend Model: Flat- 17]
 YIELD STRENGTH = 50.0 ksi
 BEND LINE WIDTH = 34.0 in.
 PLATE MOMENT = 2405.0 in-k
 THICKNESS REQD = 2.508 in.
 BENDING STRESS = 37.4 ksi
 ALLOWABLE STRESS = 45.0 ksi
 [Fy x .90 x 1.00]

BASE PLATE USED

2.75 in. THICK SHIP
 71.75 in. SQUARE (lbs)
 55.00 in. CENTER HOLE 1780
 14.00 in. CORNER CLIP

LOAD CASE SUMMARY

LC	FORCES- (kips)			MOMENTS- (ft-k)			ABolt-Str		Plate-Str		Design Code
	Axial	ShearX	ShearY	X-axis	Y-axis	TorQ	CSR	ksi	Actual	Allow	
1	92.5	25.0	29.4	3406	4002	0	.861	75.00	37.42	45.00	TIA-G
2	69.6	25.0	29.3	3356	3944	0	.844	75.00	36.64	45.00	TIA-G
3	124.8	3.1	3.6	412	484	0	.132	75.00	5.78	45.00	TIA-G
4	76.5	6.2	7.3	839	986	0	.225	75.00	9.82	45.00	TIA-G

=====

LPILE Plus for Windows, Version 5.0 (5.0.39)
Analysis of Individual Piles and Drilled Shafts
Subjected to Lateral Loading Using the p-y Method

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This program is licensed to:

Amy Herbst
Sabre Towers and Poles

Path to file locations: C:\Progra~1\Ensoft\LpileP5\
Name of input data file: 3434635P.lpd
Name of output file: 3434635P.lpo
Name of plot output file: 3434635P.lpp
Name of runtime file: 3434635P.lpr

Time and Date of Analysis

Date: September 22, 2010 Time: 16:49:24

Problem Title

195' Monopole NSORO MASTEC LLC Exie, KY (34635) 9-22-10 ARH

Program Options

Units Used in Computations - US Customary Units: Inches, Pounds

Basic Program Options:

Analysis Type 3:

- Computation of Nonlinear Bending Stiffness and Ultimate Bending Moment Capacity with Pile Response Computed Using Nonlinear EI

Computation Options:

- Only internally-generated p-y curves used in analysis
- Analysis does not use p-y multipliers (individual pile or shaft action only)
- Analysis assumes no shear resistance at pile tip
- Analysis for fixed-length pile or shaft only
- No computation of foundation stiffness matrix elements
- Output summary table of values for pile-head deflection, maximum bending moment, and shear force only
- Analysis assumes no soil movements acting on pile
- No additional p-y curves to be computed at user-specified depths

Solution Control Parameters:

- Number of pile increments = 100
- Maximum number of iterations allowed = 300
- Deflection tolerance for convergence = 1.0000E-05 in
- Maximum allowable deflection = 1.0000E+03 in

Printing Options:

- Only summary tables of pile-head deflection, maximum bending moment, and maximum shear force are to be printed in output file.

Pile Structural Properties and Geometry

Pile Length = 492.00 in
Depth of ground surface below top of pile = 12.00 in
Slope angle of ground surface = .00 deg.

Structural properties of pile defined using 2 points

Point	Depth X in	Pile Diameter in	Moment of Inertia in**4	Pile Area Sq.in	Modulus of Elasticity lbs/Sq.in
1	0.0000	96.00000000	4169220.	7238.2000	3604997.
2	492.0000	96.00000000	4169220.	7238.2000	3604997.

Please note that because this analysis makes computations of ultimate moment capacity and pile response using nonlinear bending stiffness that the above values of moment of inertia and modulus of are not used for any computations other than total stress due to combined axial loading and bending.

Soil and Rock Layering Information

The soil profile is modelled using 4 layers

Layer 1 is stiff clay without free water
Distance from top of pile to top of layer = 12.000 in
Distance from top of pile to bottom of layer = 156.000 in

Layer 2 is stiff clay without free water
Distance from top of pile to top of layer = 156.000 in
Distance from top of pile to bottom of layer = 276.000 in

Layer 3 is stiff clay without free water
Distance from top of pile to top of layer = 276.000 in
Distance from top of pile to bottom of layer = 396.000 in

Layer 4 is stiff clay without free water
Distance from top of pile to top of layer = 396.000 in
Distance from top of pile to bottom of layer = 552.000 in

(Depth of lowest layer extends 60.00 in below pile tip)

Effective Unit Weight of Soil vs. Depth

Effective unit weight of soil with depth defined using 8 points

Point No.	Depth X in	Eff. Unit weight lbs/in**3
-----	-----	-----

1	12.00	.06660
2	156.00	.06660
3	156.00	.06660
4	276.00	.06660
5	276.00	.03470
6	396.00	.03470
7	396.00	.03470
8	552.00	.03470

 Shear strength of soils

Shear strength parameters with depth defined using 8 points

Point No.	Depth X in	Cohesion c lbs/in**2	Angle of Friction Deg.	E50 or k _{rm}	RQD %
1	12.000	10.42000	.00	.00700	.0
2	156.000	10.42000	.00	.00700	.0
3	156.000	13.89000	.00	.00700	.0
4	276.000	13.89000	.00	.00700	.0
5	276.000	5.21000	.00	.01000	.0
6	396.000	5.21000	.00	.01000	.0
7	396.000	3.47000	.00	.02000	.0
8	552.000	3.47000	.00	.02000	.0

Notes:

- (1) Cohesion = uniaxial compressive strength for rock materials.
- (2) Values of E50 are reported for clay strata.
- (3) Default values will be generated for E50 when input values are 0.
- (4) RQD and k_{rm} are reported only for weak rock strata.

 Loading Type

Static loading criteria was used for computation of p-y curves.

 Pile-head Loading and Pile-head Fixity Conditions

Number of loads specified = 1

Load Case Number 1

Pile-head boundary conditions are Shear and Moment (BC Type 1)

Shear force at pile head = 51385.333 lbs
 Bending moment at pile head = 84093280.000 in-lbs
 Axial load at pile head = 123354.670 lbs

Non-zero moment at pile head for this load case indicates the pile-head may rotate under the applied pile-head loading, but is not a free-head (zero moment) condition.

Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

Number of sections = 1

Pile Section No. 1

The sectional shape is a circular drilled shaft (bored pile).

Outside Diameter = 96.0000 in

Material Properties:

Compressive Strength of Concrete = 4.000 kip/in**2
 Yield Stress of Reinforcement = 60. kip/in**2
 Modulus of Elasticity of Reinforcement = 29000. kip/in**2
 Number of Reinforcing Bars = 38
 Area of Single Bar = 1.00000 in**2
 Number of Rows of Reinforcing Bars = 19
 Area of Steel = 38.000 in**2
 Area of Shaft = 7238.229 in**2
 Percentage of Steel Reinforcement = .525 percent
 Cover Thickness (edge to bar center) = 4.064 in

Unfactored Axial Squash Load Capacity = 26760.78 kip

Distribution and Area of Steel Reinforcement

Row Number	Area of Reinforcement in**2	Distance to Centroidal Axis in
1	2.000	43.786
2	2.000	42.592
3	2.000	40.235
4	2.000	36.782
5	2.000	32.325
6	2.000	26.986
7	2.000	20.911
8	2.000	14.266
9	2.000	7.232
10	2.000	0.000
11	2.000	-7.232
12	2.000	-14.266
13	2.000	-20.911
14	2.000	-26.986
15	2.000	-32.325
16	2.000	-36.782
17	2.000	-40.235
18	2.000	-42.592
19	2.000	-43.786

Axial Thrust Force = 123354.67 lbs

Max. Steel Stress in-lbs psi	Bending Stiffness lb-in2	Bending Curvature rad/in	Maximum Strain in/in	Neutral Axis Position inches	Max. Concrete Stress psi
10111415.928.59274	1.617826E+13	6.250000E-07	.00003465	55.44676638	123.07158

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20120393.	1.609631E+13	.00000125	.00006479	51.82844782	228.00739
1726.02142					
30027867.	1.601486E+13	.00000188	.00009494	50.63369894	331.30915
2524.06767					
39828839.	1.593154E+13	.00000250	.00012505	50.01933432	432.75655
3320.88212					
39828839.	1.274523E+13	.00000313	.00008375	26.79890585	289.04389
5889.44963					
39828839.	1.062102E+13	.00000375	.00009681	25.81491709	332.57957
7174.34834					
39828839.	9.103735E+12	.00000438	.00010999	25.14061689	376.23684
8455.62490					
39828839.	7.965768E+12	.00000500	.00012288	24.57596827	418.57799
9745.44536					
39828839.	7.080682E+12	.00000563	.00013578	24.13917303	460.66579
11034.87826					
39828839.	6.372614E+12	.00000625	.00014902	23.84312868	503.57458
12314.63388					
39828839.	5.793286E+12	.00000688	.00016181	23.53657866	544.69411
13607.21568					
39828839.	5.310512E+12	.00000750	.00017462	23.28300047	585.56632
14899.38854					
39828839.	4.902011E+12	.00000813	.00018745	23.07018042	626.19049
16191.14998					
39828839.	4.551867E+12	.00000875	.00020028	22.88939238	666.56581
17482.49802					
39828839.	4.248409E+12	.00000938	.00021313	22.73423910	706.69154
18773.43017					
39828839.	3.982884E+12	.00001000	.00022600	22.59992552	746.56702
20063.94312					
39828839.	3.748597E+12	.00001063	.00023888	22.48277807	786.19134
21354.03562					
39828839.	3.540341E+12	.00001125	.00025200	22.40000010	826.27769
22637.16168					
39828839.	3.354007E+12	.00001188	.00026545	22.35391474	867.09726
23910.65242					
39828839.	3.186307E+12	.00001250	.00027832	22.26598120	905.78209
25200.98372					
39828839.	3.034578E+12	.00001313	.00029121	22.18764067	944.21865
26490.85127					
39828839.	2.896643E+12	.00001375	.00030412	22.11759710	982.40630
27780.25025					
39828839.	2.770702E+12	.00001438	.00031704	22.05477190	1020.34402
29069.17915					
39828839.	2.655256E+12	.00001500	.00032997	21.99827528	1058.03121
30357.63254					
39950456.	2.556829E+12	.00001563	.00034293	21.94735193	1095.46686
31645.60853					
41388561.	2.546988E+12	.00001625	.00035590	21.90136671	1132.65017
32933.10341					
42825241.	2.537792E+12	.00001688	.00036888	21.85977602	1169.58018
34220.11468					
44260488.	2.529171E+12	.00001750	.00038189	21.82211637	1206.25606
35506.63860					
45694302.	2.521065E+12	.00001813	.00039491	21.78799009	1242.67704
36792.67047					
47126668.	2.513422E+12	.00001875	.00040794	21.75704813	1278.84212
38078.20793					
48557583.	2.506198E+12	.00001938	.00042100	21.72899008	1314.75048
39363.24665					
49987027.	2.499351E+12	.00002000	.00043407	21.70354700	1350.40094
40647.78578					
51415006.	2.492849E+12	.00002063	.00044716	21.68049288	1385.79291
41931.81834					
52841509.	2.486659E+12	.00002125	.00046027	21.65962172	1420.92540
43215.34135					
54266523.	2.480755E+12	.00002188	.00047339	21.64075041	1455.79735

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44498.35229						
55690032.	2.475113E+12	.00002250	.00048653	21.62371588	1490.40767	
45780.84882						
57112046.	2.469710E+12	.00002313	.00049969	21.60838079	1524.75579	
47062.82315						
58532548.	2.464528E+12	.00002375	.00051287	21.59461355	1558.84055	
48344.27353						
59951521.	2.459550E+12	.00002438	.00052607	21.58229685	1592.66080	
49625.19763						
62784882.	2.450142E+12	.00002563	.00055252	21.56162310	1659.50462	
52185.44274						
65612041.	2.441378E+12	.00002688	.00057904	21.54564142	1725.27888	
54743.52981						
68432930.	2.433171E+12	.00002813	.00060564	21.53376818	1789.97544	
57299.42461						
71247465.	2.425446E+12	.00002938	.00063231	21.52551699	1853.58577	
59853.09469						
73512582.	2.400411E+12	.00003063	.00065740	21.46600199	1912.09001	
60000.00000						
75334053.	2.363421E+12	.00003188	.00068115	21.36942530	1966.32678	
60000.00000						
76916990.	2.322022E+12	.00003313	.00070418	21.25813150	2017.86696	
60000.00000						
78309677.	2.278100E+12	.00003438	.00072661	21.13776827	2067.12063	
60000.00000						
79537933.	2.232644E+12	.00003563	.00074850	21.01047564	2114.25600	
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80635904.	2.186736E+12	.00003688	.00076996	20.88020182	2159.60256	
60000.00000						
81552280.	2.139076E+12	.00003813	.00079300	20.79999876	2207.54731	
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82633411.	2.098626E+12	.00003938	.00081499	20.69806623	2252.31680	
60000.00000						
83465840.	2.054544E+12	.00004063	.00083503	20.55450583	2292.19392	
60000.00000						
84296150.	2.013042E+12	.00004188	.00085510	20.42035818	2331.43784	
60000.00000						
85037191.	1.971877E+12	.00004313	.00087477	20.28454828	2369.15914	
60000.00000						
85655251.	1.930259E+12	.00004438	.00089386	20.14325380	2405.05623	
60000.00000						
86271518.	1.890883E+12	.00004563	.00091297	20.01037359	2440.37643	
60000.00000						
86886019.	1.853568E+12	.00004688	.00093212	19.88524675	2475.11756	
60000.00000						
87498701.	1.818155E+12	.00004813	.00095130	19.76726675	2509.27612	
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88011702.	1.782515E+12	.00004938	.00096993	19.64424562	2541.79860	
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88456675.	1.747292E+12	.00005063	.00098821	19.52014589	2573.06686	
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88900125.	1.713737E+12	.00005188	.00100651	19.40256357	2603.80387	
60000.00000						
89342056.	1.681733E+12	.00005313	.00102484	19.29104376	2634.00730	
60000.00000						
89877930.	1.652927E+12	.00005438	.00104400	19.20000029	2665.03853	
60000.00000						
90302692.	1.623419E+12	.00005563	.00106702	19.18237638	2701.79776	
60000.00000						
90729772.	1.595249E+12	.00005688	.00108480	19.07335997	2729.17310	
60000.00000						
91059953.	1.566623E+12	.00005813	.00110185	18.95648718	2754.84636	
60000.00000						
91358263.	1.538665E+12	.00005938	.00111868	18.84085035	2779.67891	
60000.00000						
91655415.	1.511842E+12	.00006063	.00113553	18.73038054	2804.06089	
60000.00000						

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91951434.	1.486084E+12	.00006188	.00115241	18.62477160	2827.99073
60000.00000					
92246314.	1.461328E+12	.00006313	.00116931	18.52373743	2851.46639
60000.00000					
92540015.	1.437515E+12	.00006438	.00118624	18.42700911	2874.48536
60000.00000					
92832554.	1.414591E+12	.00006563	.00120319	18.33434629	2897.04586
60000.00000					
93123920.	1.392507E+12	.00006688	.00122017	18.24552298	2919.14576
60000.00000					
93414108.	1.371216E+12	.00006813	.00123717	18.16033030	2940.78294
60000.00000					
93688968.	1.350472E+12	.00006938	.00125406	18.07657385	2961.77407
60000.00000					
93887996.	1.329388E+12	.00007063	.00127024	17.98573351	2981.36903
60000.00000					
94086046.	1.309023E+12	.00007188	.00128645	17.89837217	3000.54443
60000.00000					
94283107.	1.289342E+12	.00007313	.00130267	17.81431246	3019.29834
60000.00000					
94479164.	1.270308E+12	.00007438	.00131892	17.73338842	3037.62875
60000.00000					
94479164.	1.228997E+12	.00007688	.00135300	17.59999895	3074.71342
60000.00000					
95357738.	1.201357E+12	.00007938	.00139299	17.54953623	3116.04747
60000.00000					
95718542.	1.169081E+12	.00008188	.00142419	17.39467192	3145.90039
60000.00000					
96075742.	1.138675E+12	.00008438	.00145547	17.25005007	3174.17994
60000.00000					
96429302.	1.109978E+12	.00008688	.00148685	17.11480093	3200.87188
60000.00000					
96683179.	1.081770E+12	.00008938	.00151689	16.97219324	3224.78610
60000.00000					
96910020.	1.054803E+12	.00009188	.00154666	16.83437777	3246.96067
60000.00000					
97133783.	1.029232E+12	.00009438	.00157651	16.70473623	3267.69464
60000.00000					
97354408.	1.004949E+12	.00009688	.00160644	16.58264208	3286.97502
60000.00000					
97571905.	9.818557E+11	.00009938	.00163646	16.46754026	3304.78919
60000.00000					
97786206.	9.598646E+11	.00010188	.00166657	16.35892153	3321.12366
60000.00000					
97997264.	9.388959E+11	.00010438	.00169675	16.25632811	3335.96492
60000.00000					
98205055.	9.188777E+11	.00010688	.00172703	16.15934801	3349.29937
60000.00000					
98409571.	8.997447E+11	.00010938	.00175739	16.06760931	3361.11322
60000.00000					
98782436.	8.829715E+11	.00011188	.00179000	16.00000048	3372.10536
60000.00000					
99725920.	8.719206E+11	.00011438	.00183000	16.00000048	3383.21826
60000.00000					
99725920.	8.532699E+11	.00011688	.00186487	15.95614672	3390.56653
60000.00000					
99725920.	8.354004E+11	.00011938	.00189224	15.85119009	3394.79917
60000.00000					
99725920.	8.182640E+11	.00012188	.00191967	15.75117445	3397.78808
60000.00000					
99725920.	8.018164E+11	.00012438	.00194719	15.65581369	3399.52185
60000.00000					
99725920.	7.860171E+11	.00012688	.00197479	15.56483603	3399.09653
60000.00000					
99725920.	7.708284E+11	.00012938	.00200247	15.47799826	3392.31176
60000.00000					
99725920.	7.562155E+11	.00013188	.00203022	15.39506865	3385.50553

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60000.00000						
99763275.	7.424244E+11	.00013438	.00205807	15.31583834	3382.46020	
60000.00000						
99848064.	7.294836E+11	.00013688	.00208599	15.24011564	3387.71956	
60000.00000						
99931917.	7.170003E+11	.00013938	.00211400	15.16771460	3392.05883	
60000.00000						
1.000149E+08	7.049505E+11	.00014188	.00214210	15.09847212	3395.46744	
60000.00000						
1.000969E+08	6.933116E+11	.00014438	.00217028	15.03223085	3397.93436	
60000.00000						
1.001779E+08	6.820622E+11	.00014688	.00219855	14.96884489	3399.44837	
60000.00000						
1.002579E+08	6.711829E+11	.00014938	.00222691	14.90817976	3399.99802	
60000.00000						
1.003347E+08	6.606402E+11	.00015188	.00225551	14.85111094	3394.41333	
60000.00000						
1.004108E+08	6.504341E+11	.00015438	.00228419	14.79638529	3388.42071	
60000.00000						
1.004862E+08	6.405494E+11	.00015688	.00231294	14.74381971	3382.41085	
60000.00000						
1.005610E+08	6.309710E+11	.00015938	.00234175	14.69331980	3376.38345	
60000.00000						
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60000.00000						
1.007088E+08	6.126769E+11	.00016438	.00239957	14.59815931	3384.11857	
60000.00000						
1.007607E+08	6.038093E+11	.00016688	.00242771	14.54809713	3388.30745	
60000.00000						
1.007976E+08	5.951148E+11	.00016938	.00245531	14.49632120	3391.75978	
60000.00000						
1.008340E+08	5.866706E+11	.00017188	.00248298	14.44641066	3394.61856	
60000.00000						
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60000.00000						
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60000.00000						
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60000.00000						
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60000.00000						
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60000.00000						
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60000.00000						
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60000.00000						
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60000.00000						
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3434635P.1po

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60000.00000					
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60000.00000					
1.016691E+08	3.705481E+11	.00027438	.00367276	13.38592958	3371.02938
60000.00000					
1.016691E+08	3.639164E+11	.00027938	.00372959	13.34978056	3377.60002
60000.00000					
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60000.00000					
1.016691E+08	3.513405E+11	.00028938	.00384368	13.28268671	3388.29972
60000.00000					

Unfactored (Nominal) Moment Capacity at Concrete Strain of 0.003 = 101423.36301 in-kip

 Computed values of Load Distribution and Deflection
 for Lateral Loading for Load Case Number 1

Pile-head boundary conditions are Shear and Moment (BC Type 1)
 Specified shear force at pile head = 51385.333 lbs
 Specified moment at pile head = 84093280.000 in-lbs
 Specified axial load at pile head = 123354.670 lbs

Non-zero moment for this load case indicates the pile-head may rotate under the applied pile-head loading, but is not a free-head (zero moment) condition.

Output Verification:

Computed forces and moments are within specified convergence limits.

 Summary of Pile Response(s)

Definition of Symbols for Pile-Head Loading Conditions:

Type 1 = Shear and Moment,	y = pile-head displacement in
Type 2 = Shear and Slope,	M = Pile-head Moment lbs-in
Type 3 = Shear and Rot. Stiffness,	V = Pile-head Shear Force lbs
Type 4 = Deflection and Moment,	S = Pile-head Slope, radians
Type 5 = Deflection and Slope,	R = Rot. Stiffness of Pile-head in-lbs/rad

Load Type	Pile-Head Condition 1	Pile-Head Condition 2	Axial Load lbs	Pile-Head Deflection in	Maximum Moment in-lbs	Maximum Shear lbs
1	V= 51385.	M= 8.41E+07	123355.	3.2914	8.5555E+07	-396762.

The analysis ended normally.

1805.7.2.1 (2006 IBC) & 1807.3.2.1 (2009 IBC)

$$d = A/2 * (1 + (1 + (4.36 * h/A))^{0.5})$$

Monopole

Moment (ft-k)	5255.83
Shear (k)	38.5
Caisson Diameter, b (ft)	8
Caisson Height Above Ground (ft)	1
Caisson Height Below Ground (ft)	29
Lateral soil pressure per foot (lb/ft ³)	267

Applied lateral force, P (lbs)	38539
Dist. from ground to application of P, h (ft)	137.38
$A = 2.34 * P / (S_1 * b)$	4.37
Min. Depth of Embedment Required, d (ft)	27.85

P. A10

MAT FOUNDATION DESIGN BY SABRE TOWERS & POLES
 195' Monopole NSORO MASTEC LLC Exie, KY (34635) 9-22-10 ARH

Overall Loads:

Factored Moment (ft-kips)	5255.83
Factored Axial (kips)	92.516
Factored Shear (kips)	38.539
Bearing Design Strength (ksf)	6.75
Water Table Below Grade (ft)	25
Width of Mat (ft)	26
Thickness of Mat (ft)	2
Depth to Bottom of Slab (ft)	5.5
Quantity of Bolts in Bolt Circle	16
Bolt Circle Diameter (in)	74.75
Top of Concrete to Top of Bottom Threads (in)	60
Diameter of Pier (ft)	8
Ht. of Pier Above Ground (ft)	1
Ht. of Pier Below Ground (ft)	3.5
Quantity of Bars in Mat	42
Bar Diameter in Mat (in)	1
Area of Bars in Mat (in ²)	32.99
Spacing of Bars in Mat (in)	7.44
Quantity of Bars Pier	38
Bar Diameter in Pier (in)	1.128
Tie Bar Diameter in Pier (in)	0.5
Spacing of Ties (in)	12
Area of Bars in Pier (in ²)	37.97
Spacing of Bars in Pier (in)	7.26
f _c (ksi)	4
f _y (ksi)	60
Unit Wt. of Soil (kcf)	0.11
Unit Wt. of Concrete (kcf)	0.15

Volume of Concrete (yd³) 58.45

Two-Way Shear Action:

Average d (in)	20
ϕV_c (kips)	1382.9
$\phi V_c = \phi(2 + 4/\beta_c)f_c^{1/2}b_o d$	2074.3
$\phi V_c = \phi(\alpha_s d/b_o + 2)f_c^{1/2}b_o d$	1450.4
$\phi V_c = \phi 4f_c^{1/2}b_o d$	1382.9
Shear perimeter, b _o (in)	364.42
β_c	1

One-Way Shear:

ϕV_c (kips) 670.9

Stability:

Overtuning Design Strength (ft-k) 5559.0

Max. Net Bearing Press. (ksf) 3.61

Ultimate Bearing Pressure (ksf) 9.00
 Bearing Φ_s 0.75

Minimum Pier Diameter (ft) 7.73
 Equivalent Square b (ft) 7.09

Recommended Spacing (in) 6 to 12

Minimum Pier A_s (in²) 36.19
 Recommended Spacing (in) 6 to 12

V_u (kips) 133.2

V_u (kips) 338.7

Total Applied M (ft-k) 5506.3

MAT FOUNDATION DESIGN BY SABRE TOWERS & POLES (CONTINUED)

195' Monopole NSORO MASTEC LLC Exie, KY (34635) 9-22-10 ARH

Pier Design:

ϕV_n (kips)	797.8	V_u (kips)	38.5
$\phi V_c = \phi 2(1 + N_u / (2000 A_g)) f_c^{1/2} b_w d$	797.8		
V_s (kips)	0.0	*** $V_s \text{ max} = 4 f_c^{1/2} b_w d$ (kips)	1865.2
Maximum Spacing (in)	4.91	(Only if Shear Ties are Required)	
Actual Hook Development (in)	19.00	Req'd Hook Development l_{dh} (in)	14.98
		*** Ref. To Spacing Requirements ACI 11.5.4.3	

Flexure in Slab:

ϕM_n (ft-kips)	2830.3	M_u (ft-kips)	2769.5
a (in)	1.87		
Steel Ratio	0.00529		
β_1	0.85		
Maximum Steel Ratio (.75 p_b)	0.0214		
Minimum Steel Ratio	0.0018		
Rebar Development in Pad (in)	153.00	Required Development in Pad (in)	46.36

Condition	1 is OK, 0 Fails
Maximum Soil Bearing Pressure	1
Pier Area of Steel	1
Pier Shear	1
Interaction Diagram Visual Check	1
Two-Way Shear Action	1
One-Way Shear Action	1
Overturning	1
Flexure	1
Steel Ratio	1
Length of Development in Pad	1
Hook Development	1

Exhibit E

Geotechnical Investigation

AT&T LS1505 EXIE
Off Matney Road
Greensburg, Green County, Kentucky

Submitted to:

AT&T Mobility
10830 Penion Drive
Louisville, Kentucky 40299

by:

*Environmental Corporation of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, Georgia 30004
ECA Project No. L-1053-4*



ENVIRONMENTAL CORPORATION OF AMERICA

September 1, 2010

AT&T Mobility
10830 Penion Drive
Louisville, Kentucky 40299

Attention: Ms. Michelle Ward

Subject: **Report of Geotechnical Investigation
AT&T LS1505 EXIE
Off Matney Road
Greensburg, Green County, Kentucky
ECA Project No. L-1053-4**

Dear Ms. Ward:

Environmental Corporation of America (ECA) is pleased to submit this report of our investigation for the proposed project. Our services were provided as authorized by NSORO, LLC on August 6, 2010.

This report presents a review of the information provided to us, a description of the site and subsurface conditions, and our recommendations. The appendices contain a Boring Location Plan and a Boring Log.

Purpose and Scope of Work

The purpose of this investigation was to obtain specific subsurface data at the site and to provide geotechnical-related design parameters and construction recommendations for the proposed tower.

Our scope of work included the following:

- One soil test boring was drilled to a depth of 44.8 feet below the ground surface (bgs). Figure 1 shows the boring location. Standard penetration tests (SPTs) were conducted to obtain soil samples and SPT (N) values, in accordance with ASTM D1586.
- The depth to groundwater, if any, was measured in the boring after drilling was completed.

- The soil samples were visually classified and a boring log was prepared. The soil conditions were evaluated by a registered professional engineer and this geotechnical report was prepared with our recommendations.

No physical testing of soil samples has been conducted to calculate site specific bearing capacities or settlements. We have recommended design parameters and settlements based on the SPT (N) values, an examination of the soil samples, and our experience with similar soil conditions and structures.

Project Information

We understand that plans call for construction of a 195-foot monopole approximately as shown on the attached Figure 1. We understand that the equipment shelter will be a pre-fabricated structure supported on a turned-down (thickened edge) slab foundation.

Site Conditions

The Property is located in an agricultural (corn) field. The fieldwork was conducted on August 26, 2010. Information obtained from the boring was used to help us evaluate the subsurface conditions and to assist in formulating our recommendations.

Subsurface Conditions

The subsurface conditions were explored with one soil test boring, drilled approximately as shown on Figure 1. The tower center was flagged at the time of our visit. We drilled immediately beside the surveyed tower center stake.

The boring encountered residual soils down to the termination depth. The soils graded consisted of fairly uniform silty clay grading to clayey silt weathered from the underlying limestone bedrock. The soils classified as CL, CL/CH, and MH/CH soil types based on the Unified Soil Classification System (USCS). The N-values were relatively uniform down to 20 feet, below which depth the N-values decreased. Overall, N-values ranged from 5 to 20 blows per foot (bpf) in soil. An N-value of over 100 bpf was recorded at 43.5 feet. We reached auger refusal at about 44.8 feet below ground surface.

Groundwater was measured at about 38.7 feet in the boring at the completion of the field work. However, the soil samples at and below 25 feet were very moist, likely indicating a groundwater at that depth.

Recommendations

Tower Foundations: The subsurface conditions are suitable for support of the tower using a mat (pad and pier) or caisson foundation.

For a mat foundation design, we recommend a maximum net allowable design bearing pressure of 4.5 kips per ft² (ksf) with the base bearing at a depth of at least 4-feet below existing grade.

Total and differential settlement should be less than 1-inch and ½-inch, respectively. Construction of a mat foundation would not likely require dewatering based on our observations. However, any seepage should be removed to minimize softening of the bearing surface and facilitate the placement of reinforcing steel and concrete.

For a caisson foundation, a friction design should be utilized with the length of the caisson dependent on the capacity needed. Should the caisson base extend to the rock surface (about 45 feet), a net allowable design pressure of 12 ksf can be utilized. Soil parameters that may be of use in design are as follows:

	0-12 ft	12-22 ft	22-32 ft	32-45 ft
Coefficient of passive earth pressure	1.4	1.4	1.0	1.0
Unit weight of soil (pcf)	115	115	60	60
Lateral subgrade modulus (pci)	150	200	100	100
Cohesion (psf)	1500	2000	750	500
Angle of internal friction (deg)	10	10	0	0
Allowable skin friction (ksf)	0.3	0.45	0.12	0.08
Allowable end bearing (ksf)	4	5	3	3

Groundwater will likely be encountered in a caisson boring. Therefore, the contractor should be prepared to remove any seepage encountered prior to concrete placement.

Building Foundations: The proposed equipment building(s) can be supported on a spread footing foundation. A maximum allowable net bearing pressure of 2.0 ksf should be used to design the building foundation. Total and differential settlements should be less than 1/2-inch and 1/4-inch, respectively.

Foundation Excavations: To avoid softening of the shallow soils exposed at the foundation bearing level, excavations should not be left open for extended periods, prior to placing reinforcing steel and concrete. If rain or freezing weather is expected, excavations should not be completed. Leaving the excavations at least 1 ft above final grade should protect the bearing soils from deterioration.

If the excavation must remain open overnight or if rainfall becomes imminent while the bearing soils are exposed, we recommend that a 2 to 4-inch thick "mud-mat" of "lean" (2000 psi) concrete be placed on the bearing soils before the placement of reinforcing steel. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete.

Fill Placement: The amount of fill required for this project depends on the planned final grades, but we expect it to be minimal. Any required fill should be placed in maximum 8-inch thick lifts. The soil moisture content should be close to the optimum moisture content. The

soil should be compacted to at least 98% of the maximum dry density, as determined by the standard Proctor method (ASTM D-698).

In areas supporting floor slabs or pavements, the upper 18 inches of fill should be compacted to 100% of the standard Proctor density. As no laboratory testing has been conducted, we do not know the capability of the surficial soil to support pavements. However, we suggest that the upper soils be replaced by granular fill in areas of heavy traffic to improve the subgrade support capabilities and moisture sensitivity.

Field density tests should be conducted at routine intervals, as the fill is being placed, to verify that adequate compaction is achieved.

Prior to placing any new fill, any soft or loose near surface soils should be removed and the area proofrolled with a heavy vehicle to confirm that any unsuitable soil conditions have been discovered.

Basis for Recommendations

The subsurface conditions encountered at the boring location are shown on the Boring Log in Appendix B. The Boring Log represents our interpretation of the subsurface conditions based on the field log and visual examination of field samples by an engineer. The lines designating the interface between various strata on the Boring Log represent the approximate interface locations. In addition, the transition between strata may be gradual. The water level shown on the Boring Log, if any, represents the condition only at the time of our exploration.

The recommendations contained herein are based in part on project information provided to us and only apply to the specific project and site discussed in this report. If the project information section in this report contains incorrect information or if additional information is available, please let us know so that we may review the validity of our recommendations.

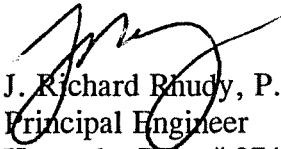
Regardless of the thoroughness of a geotechnical investigation, there is always a possibility that conditions between borings will be different from those at specific boring locations and that conditions will not be as anticipated by the designers or contractors. In addition, the construction process may itself alter soil conditions. Therefore, experienced geotechnical personnel should observe and document the construction procedures used and the conditions encountered. Unanticipated conditions and inadequate procedures should be reported to the design team along with timely recommendations to solve the problems created. ECA is best qualified to provide this service based on our familiarity with the project, the subsurface conditions, and the intent of the recommendations and design.

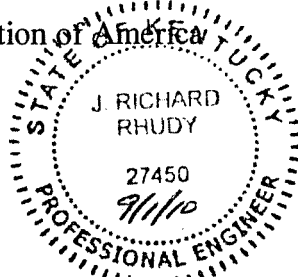
We wish to remind you that we will store the soil samples for 30 days. The samples will then be discarded unless you request otherwise.

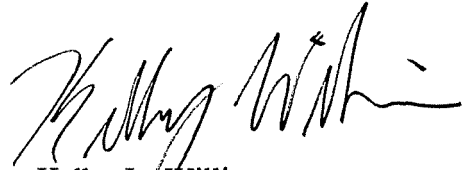
Ms. Michelle Ward
Page 5

We will be happy to discuss our recommendations with you and look forward to providing the additional studies or services necessary to complete this project. We appreciate the opportunity to be of service. Please call us with any questions at (770) 667-2040.

Sincerely,
Environmental Corporation of America

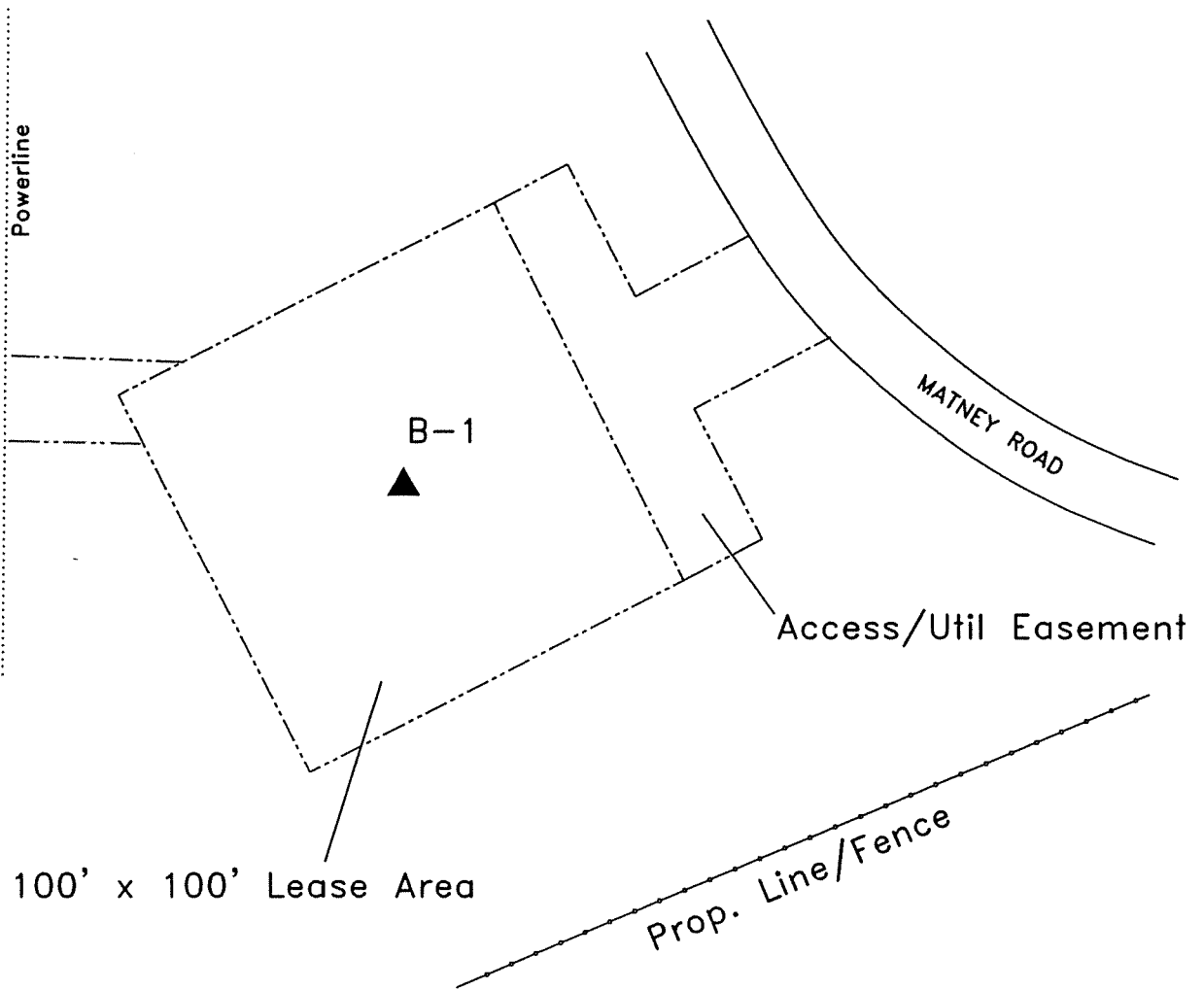
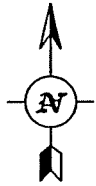

J. Richard Rhudy, P.E.
Principal Engineer
Kentucky Reg. # 27450




Kelby L. Williams
Project Scientist

Appendix A Boring Location Plan
Appendix B Boring Log

APPENDIX A
BORING LOCATION PLAN



NOT TO SCALE

LEGEND	
-----	LEASE AREA
▲	SOIL BORING

GEOTECHNICAL INVESTIGATION
AT&T LS1505 EXIE, Greensburg, KY
FIGURE 1: BORING LOCATION PLAN



SOURCE: Survey dtd 7/22/09

BY: JRR REV. BY:

CREATION DATE: 8/31/10

FILE NAME: L10534geo.dwg

REV. DATE:

ECA Project # L-1053-4

APPENDIX B
BORING LOG

Project: AT&T LS1505 EXIE

Log of Boring: B-1

City, State Greensburg, KY

Client: NSORO, LLC

Drill Date: 8/26/10

ECA Job No: L-1053-4

Field Rep: Fred

Elevation (ft)	SUBSURFACE PROFILE			SAMPLE			Water depth			
	Depth	Symbol	Description	Blow Counts (per ft)	SPT Values (blows/ft)				Remarks	
					10	20		30		40
0	0		Ground Surface							
	5	[Diagonal Hatching]	Stiff to very stiff reddish brown to light gray very silty CLAY (CL) (some small chert fragments)	9						
				18						
				18						
				12						
-12	10									
	15	[Diagonal Hatching]	Stiff to very stiff red tan sandy very silty CLAY w/ chert pieces (CL) (hard drilling 17-18.5 ft)	12						
				20						
				9						
-22	20									
	25	[Diagonal Hatching]	Stiff to firm dark red to light gray silty CLAY w/ small chert fragments (CL/CH) (very moist)	6						
				9						
				5						
-32	30									
	35	[Vertical Hatching]	Firm greenish yellow clayey SILT (MH/CH)	5						
				5						
				100+						
-44.8	40							Water @ 38.7' at completion		
	45		Boring Terminated					Auger refusal at 44.8 ft		
	50									

Drilled By: Tri-State Drilling

Depth to Water: 38.7 ft

Borehole Size: 2.25" ID

Total Depth: 44.8 ft

Drill Method: Hollow stem augers

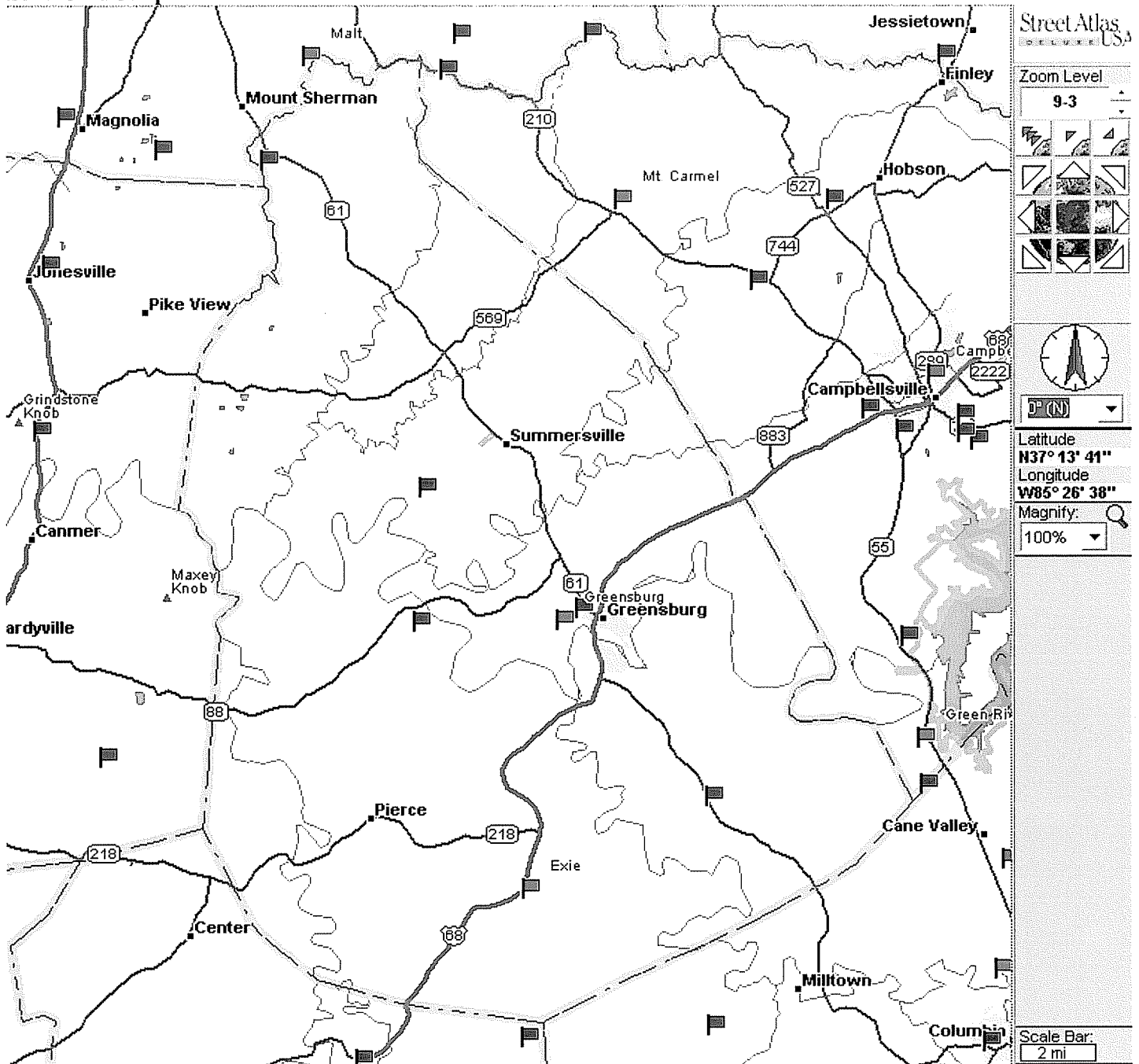
Sheet: 1 of 1

Environmental Corp. of America
1375 Union Hill Indus. Ct., Ste A
Alpharetta, GA 30004
(770) 667-2040



Exhibit F

Exie 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

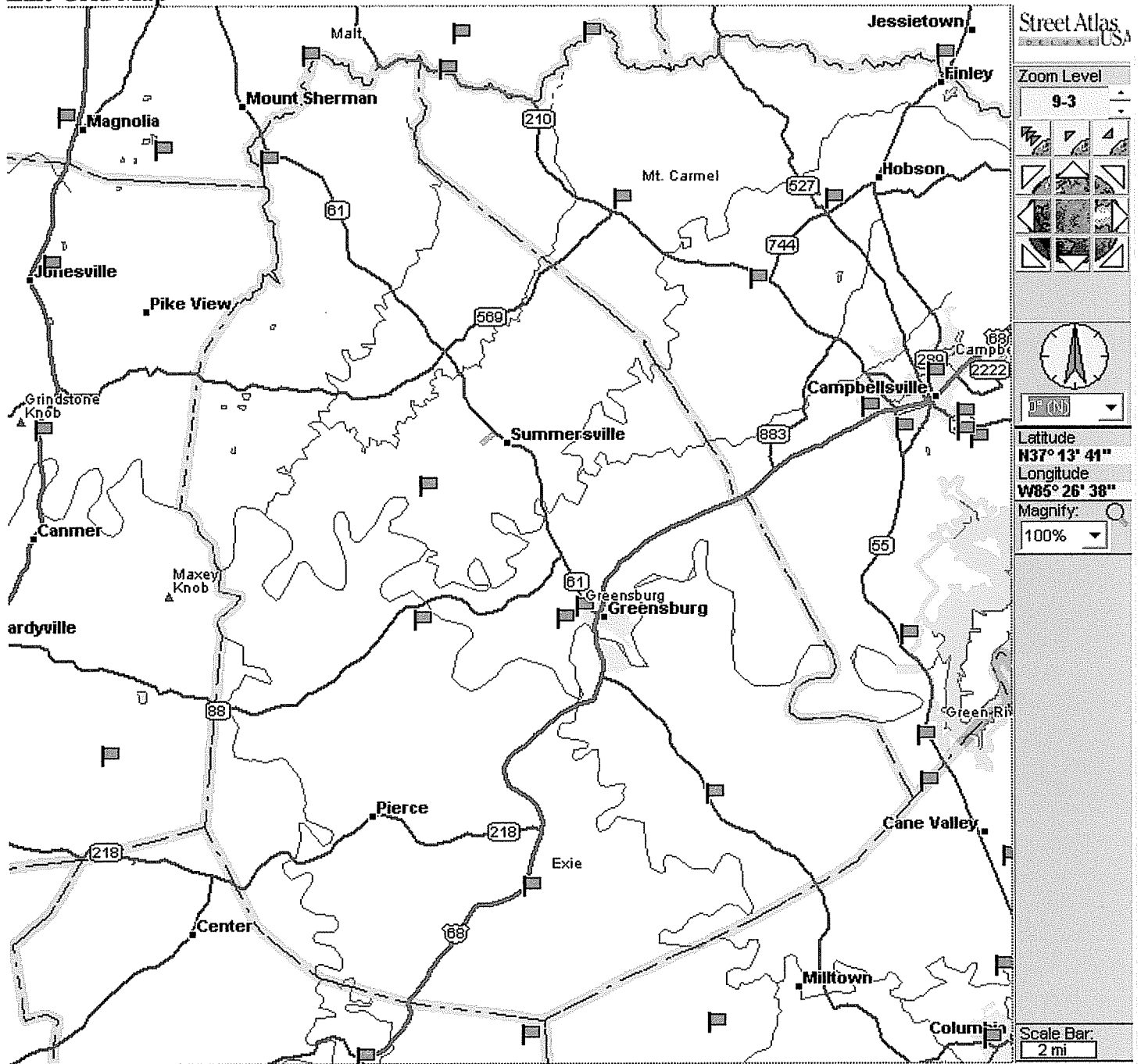
Shared Sites

Cricket

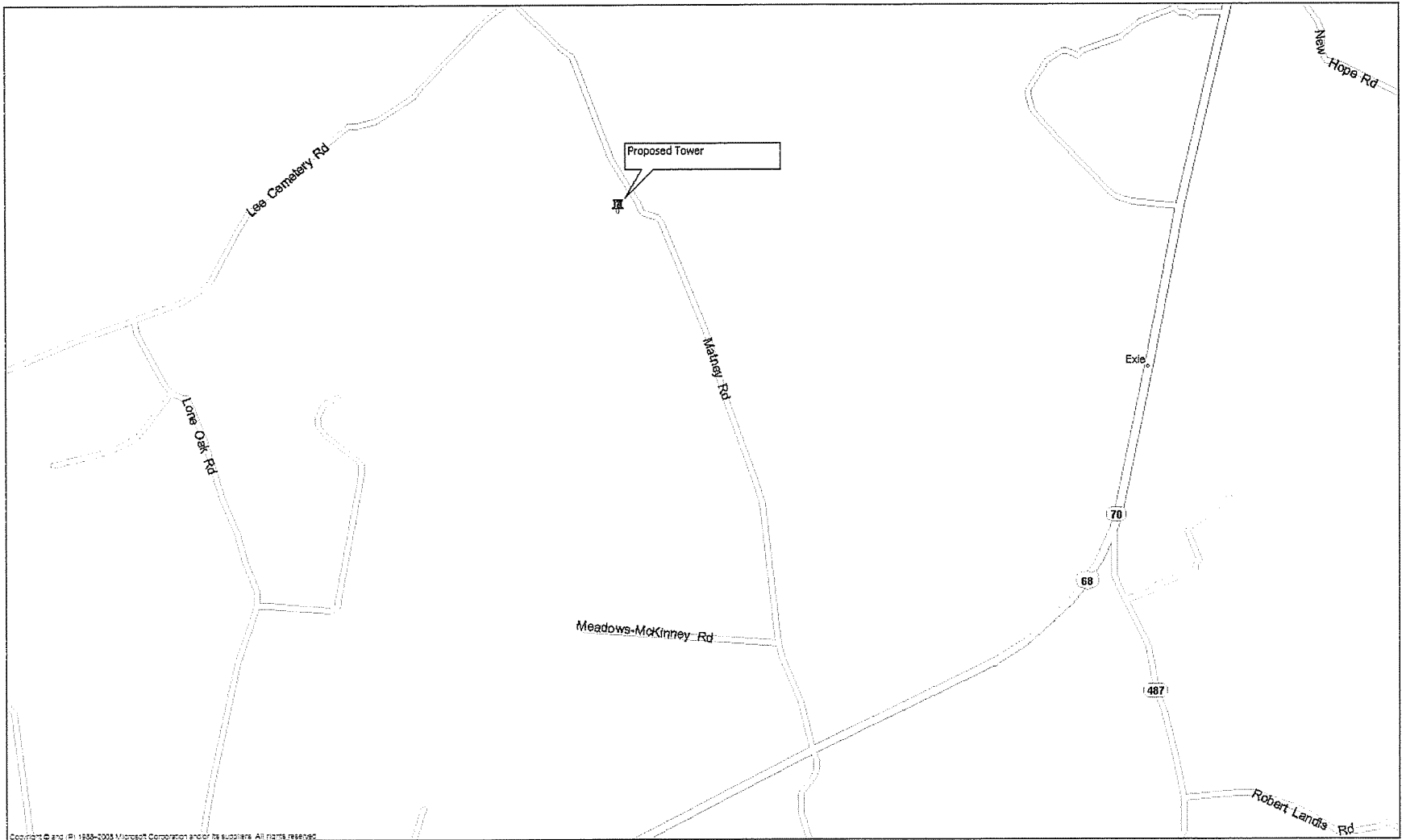
Pegasus Towers

Appalachian Wireless

Exie Grid Map



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



Proposed Tower

Lee Cemetery Rd

Lone Oak Rd

Marney Rd

Meadows-McKinney Rd

Exie

New Hope Rd

Robert Landis Rd

70

68

487

Exhibit G

Terrance Sullivan

From: Houlihan, John (KYTC) [John.Houlihan@ky.gov]
Sent: Tuesday, August 10, 2010 8:39 AM
To: Terrance Sullivan
Subject: RE: Exie TC 56 60 filing

Importance: Low

The application you submitted does not require a permit from the Kentucky Airport Zoning Commission. The proposed antenna does meet any of the following:

The commission has zoning jurisdiction over that airspace over and around the public use and military airports within the Commonwealth which lies above the imaginary surface that extends outward and upward at one (1) of the following slopes:

(1) 100 to one (1) for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of each public use and military airport with at least one (1) runway 3,200 feet or more in length; or

(2) Fifty (50) to one (1) for a horizontal distance of 10,000 feet from the nearest point of the nearest runway of each public use and military airport with its longest runway less than 3,200 feet in actual length.

Section 2. The commission has zoning jurisdiction over the use of land and structures within public use airports within the state.

Section 3. The commission has jurisdiction from the ground upward within the limits of the primary and approach surfaces of each public use and military airport as depicted on Airport Zoning Maps approved by the Kentucky Airport Zoning Commission.

Section 4. The commission has jurisdiction over the airspace of the Commonwealth that exceeds 200 feet in height above ground level.

Please save this email for your records. Thank you

Kentucky Airport Zoning Commission
John Houlihan, Administrator
90 Airport Road, Building 400
Frankfort, KY 40601
Desk 502 564.0310
Cell 502 330.3955

<http://transportation.ky.gov/aviation/kyzoning.html>

CONFIDENTIALITY NOTICE: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail or call (502) 564-0310 and destroy all copies of the original message.

From: Terrance Sullivan [mailto:TSullivan@sbsite.com]
Sent: Monday, August 09, 2010 4:13 PM
To: Houlihan, John (KYTC)
Cc: Brandi Day
Subject: Exie TC 56 60 filing

John, here is our application for the Exie site.

* Federal Airways & Airspace *
* Summary Report: New Construction *

Airspace Specialist: Lisa K. Glass

File: EXIE

Location: Greensburg, KY
Distance: 6.8 Statute Miles
Direction: 24° (true bearing)

Latitude: 37°-09'-56.5" Longitude: 85°-32'-47.5"

SITE ELEVATION AMSL..... 858 ft.
STRUCTURE HEIGHT..... 199 ft.
OVERALL HEIGHT AMSL.....1057 ft.

NOTICE CRITERIA

FAR 77.13(a)(1): NNR (DNE 200 ft AGL)
FAR 77.13(a)(2): NNR (DNE Notice Slope)
FAR 77.13(a)(3): NNR (Not a Traverse Way)
FAR 77.13(a)(4): PNR (Circling Approach Area)
FAR 77.13(a)(4): NNR FAR 77.13(a)(4) Notice Criteria for I96
FAR 77.13(a)(4): NNR (No Expected TERPS® impact AAS)
FAR 77.13(a)(5): NNR (Off Airport Construction)

NR = Notice Required
NNR = Notice Not Required
PNR = Possible Notice Required (depends upon actual IFR procedure)

Notice to the FAA is not required at the analyzed location and height.

OBSTRUCTION STANDARDS

FAR 77.23(a)(1): DNE 500 ft AGL
FAR 77.23(a)(2): DNE - Airport Surface
FAR 77.25(a): DNE - Horizontal Surface
FAR 77.25(b): DNE - Conical Surface
FAR 77.25(c): DNE - Primary Surface
FAR 77.25(d): DNE - Approach Surface
FAR 77.25(e): DNE - Transitional Surface

VFR TRAFFIC PATTERN AIRSPACE FOR: I96: COLUMBIA-ADAIR CO.

Type: A RD: 63323.81 RE: 792
FAR 77.23(a)(1): DNE
FAR 77.23(a)(2): Does Not Apply.
VFR Horizontal Surface: DNE
VFR Conical Surface: DNE
VFR Approach Slope: DNE
VFR Transitional Slope: DNE

VFR TRAFFIC PATTERN AIRSPACE FOR: AAS: TAYLOR COUNTY

Type: A RD: 95886.62 RE: 870.7
FAR 77.23(a)(1): DNE
FAR 77.23(a)(2): DNE - Greater Than 6 NM.
VFR Horizontal Surface: DNE
VFR Conical Surface: DNE
VFR Approach Slope: DNE
VFR Transitional Slope: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4)

FAR 77.23(a)(3) Departure Surface Criteria (40:1)
DNE Departure Surface

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)

FAR 77.23(a)(4) MOCA Altitude Enroute Criteria
The Maximum Height Permitted is 2000 ft AMSL

PRIVATE LANDING FACILITIES

FACIL	BEARING	RANGE	DELTA ARP FAA
IDENT TYP NAME	To FACIL	IN NM	ELEVATION IFR

2KY0 HEL JANE TODD CRAWFORD HOSPITAL 28.71 5.31 +432
No Impact to Private Landing Facility
Structure is beyond notice limit by 27264 feet.

AIR NAVIGATION ELECTRONIC FACILITIES
No Electronic Facilities Are Within 25,000 ft

FCC AM PROOF-OF-PERFORMANCE
NOT REQUIRED: Structure is not near a FCC licensed AM
radio station Proof-of-Performance is not required.
Please review AM Station Report for details.

Nearest AM Station: WGRK @ 10773 meters.

Airspace® Summary Version 2010.7

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09-01-2010
13:01:03

Exhibit H

ULS License

Cellular License - KNKQ346 - New Cingular Wireless PCS, LLC

Call Sign	KNKQ346	Radio Service	CL - Cellular
Status	Active	Auth Type	Regular

Market

Market	CMA446 - Kentucky 4 - Spencer	Channel Block	A
Submarket	0	Phase	2

Dates

Grant	10/29/2002	Expiration	10/01/2012
Effective	03/16/2010	Cancellation	

Five Year Buildout Date

04/16/1998

Control Points

1 124 S. Keeneland Drive (Suite 103), MADISON, Richmond, KY
P: (859)544-4804

Licensee

FRN	0003291192	Type	Limited Liability Company
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Licensee

New Cingular Wireless PCS, LLC 5601 Legacy Drive, MS: A-3 Plano, TX 75024 ATTN FCC Group	P:(469)229-7471 F:(469)229-7297 E:LG5201@ATT.COM
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Contact

AT&T Mobility LLC Michael P Goggin 1120 20th Street, NW, Suite 1000 Washington, DC 20036 ATTN Michael P. Goggin	P:(202)457-2055 F:(202)457-3074 E:MG7268@att.com
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Ownership and Qualifications

Radio Service	Mobile
Type	
Regulatory Status	Common Carrier Interconnected Yes

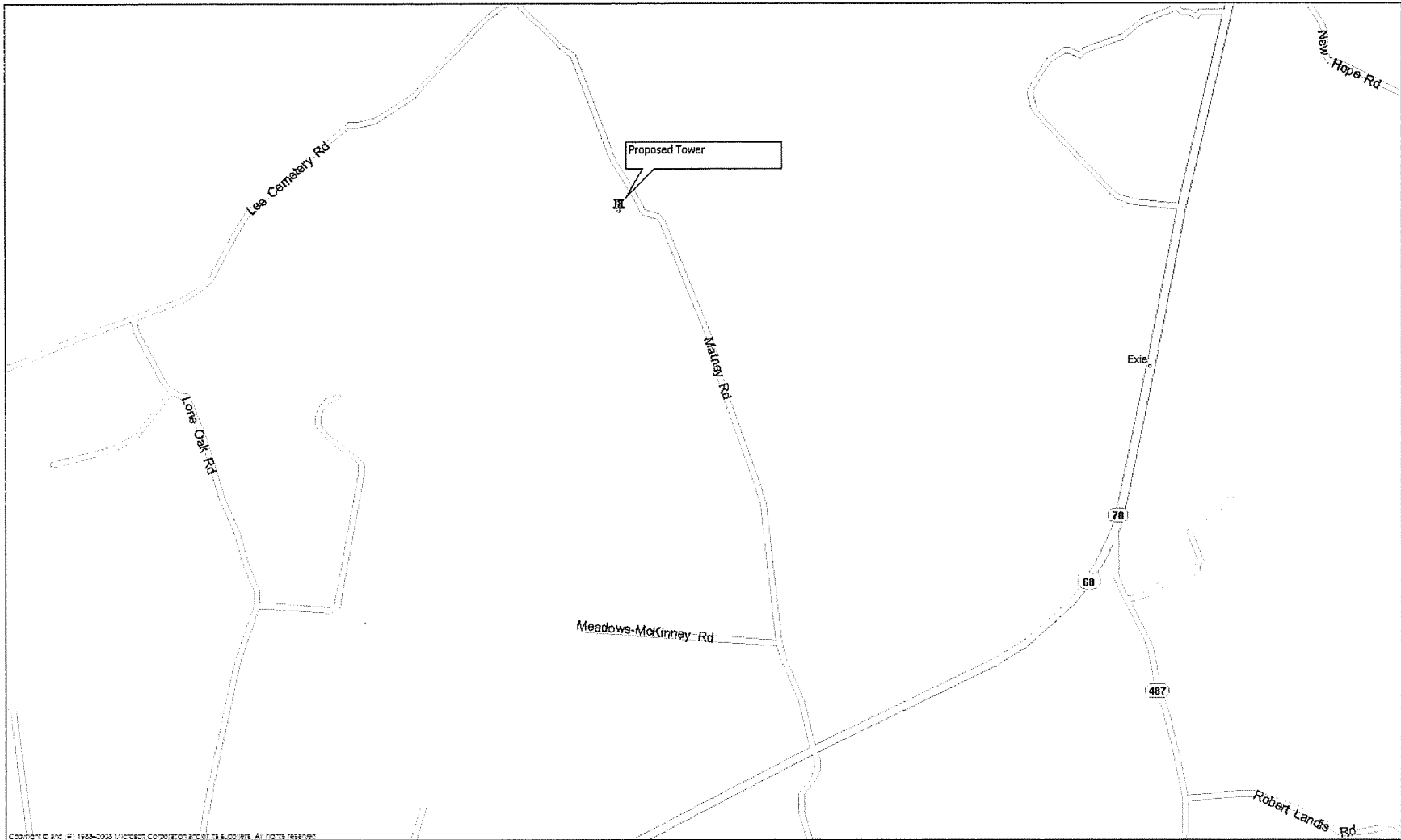
Alien Ownership

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

Basic Qualifications

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

Exhibit I



Directions to Site: From Greensburg at the corner of U.S. 68 (Main Street) and State Route 61 (Hodgenville Ave), proceed South on U.S. 68 (Main Street) approximately 9.50 miles to Matney Road. Turn right onto Matney Road and proceed approximately 0.75 miles to proposed site on left.
Prepared by: Briggs Law Office, PSC (502) 412-9222

Market: Louisville
Cell Site Number: LS1505
Cell Site Name: Exie
Fixed Asset Number: 10134037

OPTION AND 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 Rex W. and Carol M. Houk, a husband and wife, having a mailing address of 164 Clark Houk Road Greensburg, Kentucky 42743 ("**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 12555 Cingular Way, Suite 1300, Alpharetta, GA 30004 ("**Tenant**").

BACKGROUND

Landlord owns or controls that certain plot, parcel or tract of land, together with all rights and privileges arising in connection therewith, located at Matney Road Greensburg Kentucky 42743, in the County of Green, 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 certain portion of the Property containing approximately 10,000 square feet including the air space above such room/cabinet/ground space as described on attached Exhibit 1 (the "**Premises**").

(b) During the Option Term (as defined below), 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, 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] and No/100 Dollars [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**") and may be renewed by Tenant for an additional one (1) year (the "**Renewal Option Term**") upon written notification to Landlord and the payment of an additional [REDACTED] and No/100 Dollars [REDACTED] later than ten (10) days prior to the expiration date of the Initial Option Term. The Initial Option Term and any Renewal Option Term are collectively referred to as the "**Option Term**."

(d) The Option may be sold, assigned or transferred at any time by Tenant to an Affiliate of Tenant 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 Option Term, Tenant may exercise the Option by notifying Landlord in writing. If Tenant exercises the Option then Landlord leases the Premises to 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 Option Term, 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**,") 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 Option Term, 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 Permitted Use.

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 communications fixtures and related equipment, cables, accessories and improvements, which may include a suitable support structure, associated antennas, 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 contiguous, adjoining or Surrounding Property as described on **Exhibit 1** 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 Property's 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 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 the amount equivalent to the then-current per square foot rental rate charged by Landlord to Tenant times the square footage of the Additional Premises. 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 (the "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) 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 an "Extension Term"), upon the same terms and conditions unless Tenant notifies 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 final Extension 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 final Extension Term, then upon the expiration of the final Extension 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 ("Annual Term") 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 final Extension 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, any Extension Terms, any Annual Terms and any Holdover Term are collectively referred to as the Term (the "Term").

4. RENT.

(a) Commencing in the month following the date that Tenant commences construction (the "Rent Commencement Date"), Tenant will pay Landlord on or before the fifth (5th) day of each calendar month in advance [REDACTED] (the "Rent"), at the address set forth above. In any partial month occurring after the Rent Commencement Date, Rent will be prorated. The initial Rent payment will be forwarded by Tenant to Landlord within forty-five (45) 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 this subsection 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 and Property 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 its choice.

(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 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 Section 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 or hereafter intended by Tenant; or if Tenant determines, in its sole discretion that the cost of or delay in obtaining or retaining the same is commercially unreasonable;

(c) by Tenant, upon written notice to Landlord, if Tenant determines, in its sole discretion, due to the title report results or survey results, that the condition of the Premises is unsatisfactory for its intended uses; or

(d) by Tenant upon written notice to Landlord for any reason or no reason, at any time prior to commencement of construction by Tenant; or

(e) 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 Sections 5 Approvals, 6(a) Termination, 6(b) Termination, 6(c) Termination, 8 Interference, 11(d) Environmental, 18 Condemnation, 19 Casualty or 23(I) Severability of this Agreement.

7. **INSURANCE.** During the Term, Tenant will carry, at its own cost and expense, the following insurance: (i) "All Risk" property insurance for its property's replacement cost; (ii) Workers' Compensation Insurance as required by law; and (iii) commercial general liability (CGL) insurance with respect to its activities on the Property, such insurance to afford minimum protection of Three Million Dollars (\$3,000,000) combined single limit, per occurrence and in the aggregate, providing coverage for bodily injury and property damage. Tenant's CGL insurance shall contain a provision including Landlord as an additional insured to the extent of the indemnity provided by Tenant under this Agreement. Notwithstanding the foregoing, Tenant shall have the right to self-insure against the risks for which Tenant is required to insure against in this Section. In the event Tenant elects to self-insure its obligation to include Landlord as an additional insured as permitted by the previous sentence, the following provisions shall apply: (1) Landlord shall promptly and no later than seven (7) days after notice thereof provide Tenant with written notice of any claim, demand, lawsuit, or the like for which it seeks coverage pursuant to this Section and provide Tenant with copies of any demands, notices, summonses, or legal papers received in connection with such claim, demand, lawsuit, or the like; (2) Landlord shall not settle any such claim, demand, lawsuit, or the like without the prior written consent of Tenant; (3) Landlord shall fully cooperate with Tenant in the defense of the claim, demand, lawsuit, or the like; (4) Tenant's self-insurance obligation for Landlord shall not extend to claims for punitive damages, exemplary damages, or gross negligence; and (5) such obligation shall not apply when the claim or liability arises from the negligent or intentional act or omission of Landlord, its employees, agents, or independent contractors.

8. **INTERFERENCE.**

(a) Where there are existing radio frequency user(s) on the Property, Landlord will provide Tenant, upon execution of this Agreement, 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 those 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 the 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, agents or independent contractors 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, Landlord shall cease all operations which are suspected of causing interference (except for intermittent testing to determine the cause of such interference) until the interference has been corrected.

(d) For the purposes of this Agreement, "interference" may include, but is not limited to, any use on the Property or Surrounding Property that causes electronic or physical obstruction with, or degradation of, the communications signals from the Communication Facility.

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, 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.

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, warrants and agrees that: (i) Landlord solely owns the Property as a legal lot in fee simple, or controls the Property by lease or license; (ii) the Property is not and will not be 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 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, except as may be identified in Exhibit 11 attached to this Agreement, (i) the Property, as of the date of this Agreement, is free of hazardous substances, including asbestos-containing materials and lead paint, and (ii) 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 applicable governmental laws, rules, statutes, regulations, codes, ordinances, or principles of common law regulating or imposing standards of liability or standards of conduct with regard to protection of the environment or worker health and safety, as may now or at any time hereafter be in effect, to the extent such apply 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 ("Claims"), to the extent arising from that party's breach of its obligations or representations under Section 11(a). Landlord agrees to hold harmless and

indemnify Tenant from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of Landlord for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any Claims, to the extent arising from subsurface or other contamination of the Property with hazardous substances prior to the effective date of this Agreement or from such contamination caused by the acts or omissions of Landlord during the Term. Tenant agrees to hold harmless and indemnify Landlord from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of Tenant for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any Claims, to the extent arising from hazardous substances brought onto the Property by Tenant.

(c) The indemnifications of this Section 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 Section 11 will survive the expiration or termination of this Agreement.

(d) In the event Tenant becomes aware of any hazardous substances on the Property, or any environmental, health or safety 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 liability to a government agency or other third party, Tenant will have the right, in addition to any other rights it may have at law or in equity, to terminate this Agreement upon written 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 ("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. As may be described more fully in **Exhibit 1**, 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 Section 12, such failure shall be a default under this Agreement. In connection with such default, in addition to any other rights or remedies available to Tenant under this Agreement 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 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 above are a reasonable approximation of such damages. Upon Tenant's request, Landlord will execute a separate recordable easement evidencing this right. Landlord shall execute a letter granting Tenant access to the Property substantially in the form attached as Exhibit 12; upon Tenant's request, Landlord shall execute additional letters during the Term.

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 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 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 this 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 or 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 and all areas of the Premises where Tenant does not have exclusive control, in good and tenantable condition, subject to reasonable wear and tear and damage from the elements. Landlord will be responsible for maintenance of landscaping on the Property, including any landscaping installed by Tenant as a condition of this Agreement or any required permit.

(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 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 forty-five (45) days of receipt of the usage data and required forms. As noted in Section 4(c) above, any utility fee recovery by Landlord is limited to a twelve (12) month period. If Tenant submeters electricity from Landlord, Landlord agrees to give Tenant at least twenty-four (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) hours per day, seven (7) days per week. If the interruption is for an extended period of time, in Tenant's reasonable determination, Landlord agrees to allow Tenant the right to bring in a temporary source of power for the duration of the interruption. 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.

(c) Landlord hereby grants to any utility company providing utility services to Tenant an easement over the Property, from an open and improved public road to the Premises, and upon the Premises, for the purpose of constructing, operating and maintaining such lines, wires, circuits, and conduits, associated equipment cabinets and such appurtenances thereto, as such utility companies may from time to time require in order to provide such services to the Premises. Upon Tenant's or a utility company's request, Landlord will execute a separate recordable easement evidencing this grant, at no cost to Tenant or the public utility.

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: (i) the right to cure Landlord's default and to deduct the costs of such cure from any monies due to Landlord from Tenant, and (ii) any and all other rights available to it under law and equity.

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 to the extent of such assignment.

17. NOTICES.

(a) 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. Notices will be addressed to the parties as follows:

If to Tenant: New Cingular Wireless PCS, LLC
 Attn: Network Real Estate Administration
 Re: Cell Site #LS 1505; Cell Site Name: Exie
 Fixed Asset No: 10134037
 12555 Cingular Way, Suite 1300
 Alpharetta, GA 30004

With the required copy of legal notice sent to Tenant at the address above, a copy to the Legal Department: New Cingular Wireless PCS, LLC
 Attn: Legal Department
 Re: Cell Site #LS 1505; Cell Site Name: Exie
 Fixed Asset No: 10134037
 12555 Cingular Way, Suite 1300
 Alpharetta, GA 30004

A copy sent to the Legal Department is an administrative step which alone does not constitute legal notice.

If to Landlord: Rex W and Carol M. Houk
 164 Clark Houk Road
 Greensburg, Kentucky 42743

Either party hereto may change the place for the giving of notice to it by thirty (30) days' prior 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 or its successor will send the documents listed below in this subsection (b) to Tenant. Until Tenant receives all such documents, Tenant shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement.

- i. Old deed to Property
- ii. New deed to Property
- iii. Bill of Sale or Transfer
- iv. Copy of current Tax Bill
- v. New IRS Form W-9
- vi. Completed and Signed AT&T Payment Direction Form
- vii. Full contact information for new Landlord including phone number(s)

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. 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 or other harm affecting the Property within forty-eight (48) hours of the casualty or other harm. If any part of the Communication Facility or Property is damaged by casualty or other harm as to render the Premises unsuitable, in Tenant's sole determination, then Tenant may terminate this Agreement by providing written notice to Landlord, which termination will be effective as of the date of such casualty or other harm. 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. Landlord agrees to permit Tenant to place a temporary transmission and reception facilities on the Property, but only until such time as Tenant is able to activate a replacement transmission facility at another location; notwithstanding the termination of the Agreement, such temporary facilities will be governed by all of the terms and conditions of this Agreement, including Rent. If Landlord or Tenant undertakes to rebuild or restore the Premises and/or the Communication Facility, as applicable, Landlord agrees to permit Tenant to place temporary transmission and reception facilities on the Property at no additional Rent until the reconstruction of the Premises and/or the Communication Facility is completed. If Landlord determines not to rebuild or restore the Premises, Landlord will notify Tenant of such determination within thirty (30) days after the casualty or other harm. If Landlord does not so notify Tenant, then Landlord will promptly rebuild or restore the Premises to substantially the same condition as existed before the casualty or other harm. Landlord agrees that the Rent shall be abated until the Premises are rebuilt or restored, unless Tenant places temporary transmission and reception facilities on the Property.

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; 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, along with sufficient written documentation detailing any assessment increases attributable to the leasehold improvements, 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, and all subsequent years to the extent (a) Landlord continues to fail in providing notice, or (b) Tenant is precluded from challenging such assessment with the appropriate government authorities. 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 therefor. 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**

(a) Landlord shall not be prohibited from the selling, leasing or use of any of the Property or the Surrounding Property except as provided below.

(b) If Landlord, at any time during the Term of this Agreement, decides to rezone or sell, subdivide or otherwise transfer all or any part of the Premises, or 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 rezoning, sale, subdivision or transfer shall be subject to this Agreement and Tenant's rights hereunder. 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 paperwork to effect a transfer in Rent to the new landlord.

(c) 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.

(d) The provisions of this Section shall in no way limit or impair the obligations of Landlord under this Agreement, including interference and access obligations.

23. **RENTAL STREAM OFFER.** If at any time after the date of this Agreement, Landlord receives a bona fide written offer from a third party seeking an assignment of the rental stream associated with this Agreement ("**Rental Stream Offer**"), Landlord shall immediately furnish Tenant with a copy of the Rental Stream Offer. Tenant shall have the right within twenty (20) days after it receives such copy and representation to match the Rental Stream Offer and agree in writing to match the terms of the Rental Stream Offer. Such writing shall be in the form of a contract substantially similar to the Rental Stream Offer. If Tenant chooses not to exercise this right or fails to provide written notice to Landlord within the twenty (20) day period, Landlord may assign the rental stream pursuant to the Rental Stream Offer, subject to the terms of this Agreement.

24. **MISCELLANEOUS.**

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by Landlord and Tenant. No provision may be waived except in a writing signed by both parties. The failure by a party to enforce any provision of this Agreement or to require performance by the other party will not be construed to be a waiver, or in any way affect the right of either party to enforce such provision thereafter.

(b) **Memorandum/Short Form Lease.** Contemporaneously with the execution of this Agreement, the parties will execute a recordable Memorandum or Short Form of Lease substantially in the form attached as Exhibit 24b. Either party may record this Memorandum or Short Form of Lease at any time during the Term, in its absolute discretion. Thereafter during the Term of this Agreement, 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.

(c) **Limitation of Liability.** Except for the indemnity obligations set forth in this Agreement, and otherwise 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, however caused, based on any theory of liability.

(d) **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.

(e) **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. Exhibits are numbered to correspond to the Section wherein they are first referenced.

(f) **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.

(g) **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 this Agreement or as same may be duplicative, such consent will not be unreasonably withheld, conditioned or delayed; (iv) exhibits are an integral part of this 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; (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; and (viii) the singular use of words includes the plural where appropriate.

(h) **Affiliates.** All references to "Tenant" shall be deemed to include any Affiliate of Tenant using the Premises for any Permitted Use or otherwise exercising the rights of Tenant pursuant to this Agreement. "Affiliate" means with respect to a party to this Agreement, any person or entity that (directly or indirectly) controls, is controlled by, or under common control with, that party. "Control" of a person or entity means the power (directly or indirectly) to direct the management or policies of that person or entity, whether through the ownership of voting securities, by contract, by agency or otherwise.

(i) **Survival.** Any provisions of this Agreement relating to indemnification shall survive the termination or expiration hereof. In addition, any terms and conditions contained in this Agreement that by their sense and context are intended to survive the termination or expiration of this Agreement shall so survive.

(j) **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.

(k) **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 a binding Agreement only upon the handwritten legal execution, acknowledgment and delivery hereof by Landlord and Tenant.

(l) **Severability.** If any provision of this Agreement is held invalid, illegal or unenforceable by a court or agency of competent jurisdiction, (a) the validity, legality and enforceability of the remaining provisions of this Agreement are not affected or impaired in any way if the overall purpose of the Agreement is not rendered impossible and the original purpose, intent or consideration is not materially impaired; and (b) the parties shall negotiate in good faith in an attempt to agree to another provision (instead of the provision held to be invalid, illegal or unenforceable) that is valid, legal and enforceable and carries out the parties' intentions to the greatest lawful extent. If any such action or determination renders the overall performance of this Agreement impossible or materially impairs the original purpose, intent or consideration of this Agreement, and the parties are, despite the good faith efforts of each, unable to amend this Agreement to retain the original purpose, intent and consideration in compliance with that court or agency determination, either party may terminate this Agreement upon sixty (60) days' prior written notice to the other party.

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

(n) **Waiver of Jury Trial.** Each party, to the extent permitted by law, knowingly, voluntarily and intentionally waives its right to a trial by jury in any action or proceeding under any theory of liability arising out of or in any way connected with this Agreement or the transactions it contemplates.

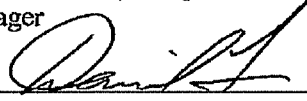
[SIGNATURES APPEAR ON THE NEXT PAGE]

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

"LANDLORD"

By: Rex Hoek Carol Hoek
Print Name: Rex Hoek Carol Hoek
Its: _____
Date: 5/27/10

"TENANT"

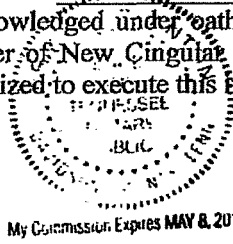
New Cingular Wireless PCS, LLC,
By: AT&T Mobility Corporation
Its: Manager
By: 
Print Name: Daniel Toth
Manager of Real Estate and Construction
Its: _____
Date: 8/5/10

[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF ~~Kentucky~~ TENNESSEE) ss:
COUNTY OF ~~Green~~ WILLIAMSON

On the 5th day of AUGUST, 2010, before me personally appeared Daniel Toth, and acknowledged under oath that he/she is the Manager of Real Estate and construction of AT&T Mobility Corporation, the Manager of New Cingular Wireless PCS, LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.



Erica L. Clanton
Notary Public: ERICA L. CLANTON
My Commission Expires: MAY 8, 2012

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky)
COUNTY OF Green) ss:

On the 27th day of May, 2010 before me, personally appeared Raymond Carl White who acknowledged under oath, that he/she is the person/officer named in the within instrument, and that he/she executed the same in his/her stated capacity as the voluntary act and deed of the Landlord for the purposes therein contained.

Carl White
Notary Public: _____
My Commission Expires: 3-4-2012

EXHIBIT 1**DESCRIPTION OF PREMISES**Page 1 of 2

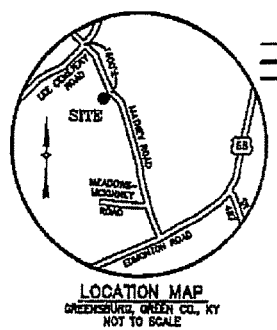
to the Agreement dated AUGUST 5, 2010, by and between Rex W. and Carol M. Houk, a husband and wife, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

The Premises are described and/or depicted as follows:

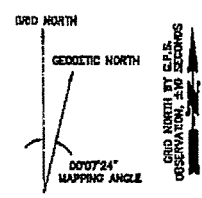
Notes:

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.

Exhibit 1
page 2 of 2



- LEGEND**
- OHU EXISTING OVERHEAD UTILITIES
 - LEASE LINE
 - APPROXIMATE PROPERTY LINE
 - UTILITY POLE
 - FOUND STEEL T-POST
 - SET #5 REBAR WITH CAP STAMPED "JOHN THOMAS 3259" UNLESS OTHERWISE NOTED
 - POC POINT OF COMMENCEMENT
 - PDB POINT OF BEGINNING
 - TREE



NORTH IS BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, MAD 1983 AND WAS DETERMINED BY COMPUTATION FROM C.P.S. OBSERVATION ON JULY 29, 2010.

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS AS WITNESSED BY MONUMENTS SHOWN HEREON ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY WAS MADE BY METHOD OF RANDOM TRAVERSE WITH SIDESHOTS. THE UNADJUSTED CLOSURE ERROR OF THE TRAVERSE WAS GREATER THAN 1/10,000. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A CLASS "B" SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY PER 201 KAR 19:150.

John M. Thomas 7-23-10
JOHN M. THOMAS, PLS 3259 DATE

OWNER APPROVAL: _____ DATE _____
AT&T APPROVAL: _____ DATE _____

LEGAL DESCRIPTIONS

THIS IS THE DESCRIPTION FOR AT&T FOR AN AREA TO BE LEASED FROM A TRACT OF LAND CONVEYED TO REX W. AND CAROL M. HOUK BY DEED OF RECORD IN DEED BOOK 184, PAGE 84 IN THE OFFICE OF THE COUNTY CLERK OF GREEN COUNTY, KENTUCKY AND FURTHER DESCRIBED AS FOLLOWS:

DESCRIPTION OF PROPOSED LEASE AREA AND EASEMENTS

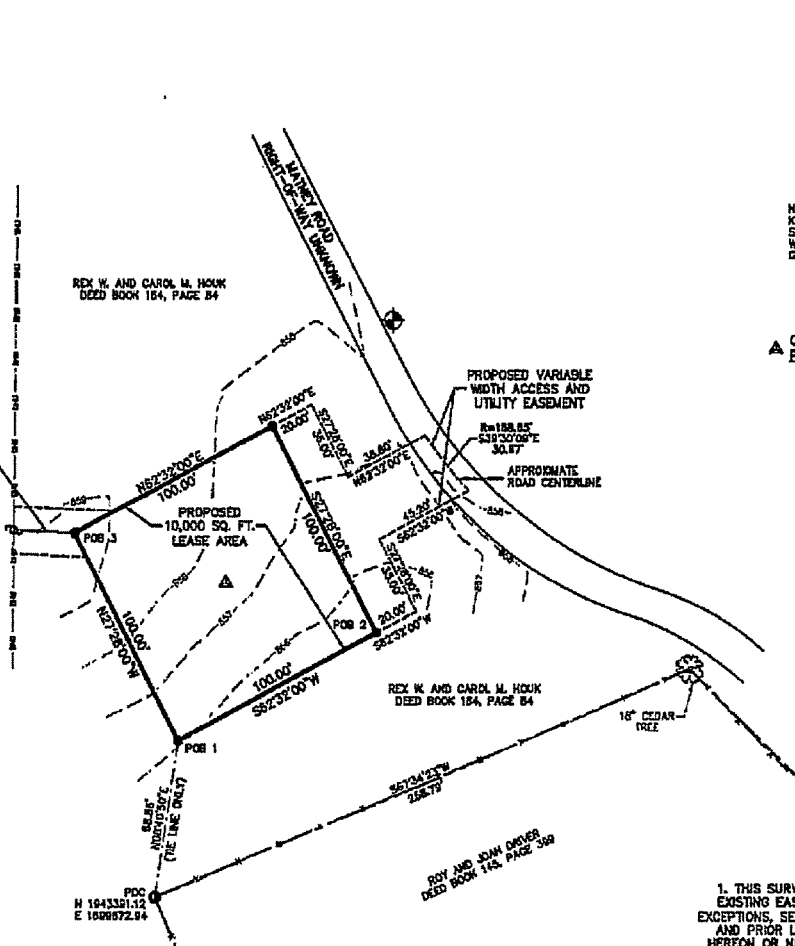
NOTE: ALL BEARINGS AND DISTANCES ARE BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE, MAD 1983.

COMMENCING AT A FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 194339.12 AND EAST 189872.84 BEING THE NORTHWEST PROPERTY CORNER OF A TRACT OF LAND CONVEYED TO REX W. AND CAROL M. HOUK BY DEED OF RECORD IN DEED BOOK 145, PAGE 388 IN THE OFFICE OF THE COUNTY CLERK OF GREEN COUNTY, KENTUCKY SAID POINT OF COMMENCEMENT BEING LOCATED 89734.23' N, 258.79 FEET FROM A FOUND 18" CEDAR TREE LOCATED ON THE SOUTHWESTERLY SIDE OF MATHEY ROAD, APPROXIMATELY 1500 FEET SOUTHEAST OF LEE CEMETERY ROAD; THENCE N89°40'50"E, 88.86 FEET TO A SET REBAR #5 REBAR WITH CAP STAMPED "JOHN THOMAS 3259" HEREAFTER REFERRED TO AS SET REBAR AT THE POINT OF BEGINNING 1; THENCE WITH THE PROPOSED LEASE AREA THE NEXT FOUR CALLS, N27°28'00"W, 100.00 FEET TO A SET REBAR; THENCE N82°32'00"E, 100.00 FEET TO A SET REBAR; THENCE S27°28'00"E, 100.00 FEET TO A SET REBAR; THENCE S82°32'00"E, 100.00 FEET TO THE POINT OF BEGINNING 1 AND CONTAINING 10,000 SQUARE FEET.

ALSO, THE RIGHT TO USE FOR ACCESS AND UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, A VARIABLE WIDTH EASEMENT DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 194339.12 AND EAST 189872.84; THENCE N89°40'50"E, 88.86 FEET; THENCE N82°32'00"E, 100.00 FEET TO THE POINT OF BEGINNING 2; THENCE WITH SAID EASEMENT THE FOLLOWING 6 CALLS, N27°28'00"W, 100.00 FEET; THENCE N82°32'00"E, 20.00 FEET; THENCE S27°28'00"E, 35.00 FEET; THENCE N82°32'00"E, 35.00 FEET TO THE APPROXIMATE CENTERLINE OF MATHEY ROAD; THENCE WITH SAID CENTERLINE ALONG A CURVE TO THE LEFT HAVING 6 RADIUS OF 158.85 FEET AND A CHORD OF S57°30'07"E, 30.67 FEET; THENCE LEAVING SAID CENTERLINE, S82°32'00"W, 45.20 FEET; THENCE S27°28'00"E, 35.00 FEET; THENCE S82°32'00"W, 20.00 FEET TO THE POINT OF BEGINNING 2.

ALSO, THE RIGHT TO USE FOR UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, A 20 FOOT WIDE EASEMENT THE CENTERLINE DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 194339.12 AND EAST 189872.84; THENCE N89°40'50"E, 88.86 FEET; THENCE S27°28'00"E, 100.00 FEET TO THE POINT OF BEGINNING 3; THENCE WITH SAID EASEMENT CENTERLINE, N87°53'53"W, 27.40 FEET TO THE TERMINATION OF SAID EASEMENT CENTERLINE IN AN EXISTING UTILITY POLE.

ALL AS SHOWN ON A PARTIAL BOUNDARY SURVEY BY JOHN M. THOMAS, PLS 3259 OF BTM ENGINEERING, INC., DATED JULY 2010, PROJECT NO. "NSORO-026".



A COORDINATE POINT LOCATION PROPOSED TOWER CENTERLINE

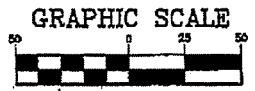
HAR 1983
LATITUDE: 37°09'58.453"N
LONGITUDE: 85°32'47.502"W
ELEVATION: 857.61 (NAVD 83)
STATE PLANE COORDINATE
NORTHING: 1943326.65
EASTING: 1898704.77

BENCHMARK

NORTH: 194339.12
EAST: 189872.84
ELEVATION: 857.61 (NAVD 83)
LOCATION: #5 REBAR WITH CAP
BTM TRAVERSE

NOTE

1. THIS SURVEY IS SUBJECT TO ALL EXISTING EASEMENTS, RESTRICTIONS, EXCEPTIONS, SERVITUDES, RIGHT OF WAYS AND PRIOR LEASES WHETHER SHOWN HEREON OR NOT. A TITLE REPORT MAY REVEAL EASEMENTS OR OTHER DEFECTS WHETHER SHOWN HEREON OR NOT.



FLOOD PLAIN CERTIFICATION

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM MAP NO. 2108700000 DATED MAY 3, 2010) AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD HAZARD AREA.

atat

nsoro
It's just good business.

BTM
BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

7-23-10

STATE OF KENTUCKY
COUNTY OF GREEN
JOHN M. THOMAS
PLS 3259
LICENSED PROFESSIONAL LAND SURVEYOR

SITE NAME: E05
SITE ID: LS1605
SITE ADDRESS: MATHEY ROAD
GREENSBURG, GREEN CO., KY 42743
LEASE AREA: 10,000 SQ. FT.
PROPERTY OWNER: REX W. AND CAROL M. HOUK
184 CLARK HOUCK ROAD
GREENSBURG, KY 42743
TAX MAP NUMBER: 23
PARCEL NUMBER: 38
SOURCE OF TITLE: DEED BOOK 184, PAGE 84
LATITUDE: 37° 09' 58.453"N
LONGITUDE: 85° 32' 47.502"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	7/22/09

TITLE: COMMUNICATIONS SITE SURVEY
SHEET: C-2

EXHIBIT 11

ENVIRONMENTAL DISCLOSURE

Landlord represents and warrants that the Property, as of the date of this Agreement, is free of hazardous substances except as follows:

1. NONE.

EXHIBIT 12
STANDARD ACCESS LETTER
[FOLLOWS ON NEXT PAGE]

Rex and Carol Houk
164 Clark Houk Road
Greensburg, Kentucky 42743

DATE:

Building Staff / Security Staff
Rex and Carol Houk Farm
164 Clark Houk Road
Greensburg, Kentucky 42743

Re: Authorized Access granted to AT&T

Dear Building and Security Staff,

Please be advised that we have signed a lease with AT&T permitting AT&T to install, operate and maintain telecommunications equipment at the property. The terms of the lease grant AT&T and its representatives, employees, agents and subcontractors ("representatives") 24 hour per day, 7 day per week access to the leased area.

To avoid impact on telephone service during the day, AT&T representatives may be seeking access to the property outside of normal business hours. AT&T representatives have been instructed to keep noise levels at a minimum during their visit.

Please grant the bearer of a copy of this letter access to the property and to leased area. Thank you for your assistance.

Rex Houk Carol Houk
Landlord Signature

EXHIBIT 24b

MEMORANDUM OF LEASE

[FOLLOWS ON NEXT PAGE]

MEMORANDUM OF LEASE

Prepared by:SAC NAME Terry SullivanSAC FIRM SBA Network ServicesFIRM ADDRESS 8006 Montero DriveCITY, STATE ZIP Prospect, Kentucky 40059Return to Terry Sullivan

Re: Cell Site #LS1505; Cell Site Name: Exie
 Fixed Asset # 10134037
 State: Kentucky
 County: Green

MEMORANDUM
OF
LEASE

This Memorandum of Lease is entered into on this 5th day of AUGUST, 2010, by and between Rex W. and Carol M. Houk, a husband and wife, having a mailing address of 164 Clark Houk Road Greensburg, Kentucky 42743 (hereinafter referred to as "**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability ^{company}, having a mailing address of 12555 Cingular Way, Suite 1300, Alpharetta, GA 30004 (hereinafter referred to as "**Tenant**").

1. Landlord and Tenant entered into a certain Option and Lease Agreement ("**Agreement**") on the 5th day of AUGUST, 2010 for the purpose of installing, operating and maintaining a communications facility and other improvements. All of the foregoing are set forth in the Agreement.
2. 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, with four (4) successive five (5) year options to renew.
3. The portion of the land being leased to Tenant (the "**Premises**") is described in **Exhibit 1** annexed hereto.
4. This Memorandum of Lease is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Lease and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

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

[SIGNATURES APPEAR ON THE NEXT PAGE]

"LANDLORD"

Rex Houk Carol Houk

By: Rex W. and Carol M. Houk
Print Name: Rex W. and Carol M. Houk
Its: Owner
Date: _____

"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: *8/5/10*

[ACKNOWLEDGMENTS APPEAR ON THE NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF TENNESSEE)
COUNTY OF WILLIAMSON) ss:

On the 5th day of AUGUST, 2010, before me personally appeared Daniel Toth, and acknowledged under oath that he/she is the Manager of Real Estate ^{and construction} of AT&T Mobility Corporation, the Manager of New Cellular Wireless PCS, LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.



Erica L. Clanton
Notary Public: ERICA L. CLANTON
My Commission Expires: MAY 8, 2012

LANDLORD ACKNOWLEDGMENT

STATE OF Kentucky)
COUNTY OF Drew) ss:

On the 21st day of May, 2010 before me, personally appeared Rex W. and Carol M. Houk ,, who acknowledged under oath, that he/she is the person/officer named in the within instrument, and that he/she executed the same in his/her stated capacity as the voluntary act and deed of Landlord for the purposes therein contained.

Notary Public: Carol M. Houk
My Commission Expires: 3-4-2012

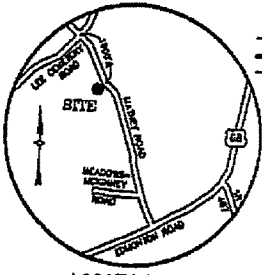
EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 2

to the Memorandum of Lease dated AUGUST 5, 2010, by and between Rex W. and Carol M. Houk, a husband and wife, as Landlord, and New Cingular Wireless PCS, LLC, a Delaware limited liability company, as Tenant.

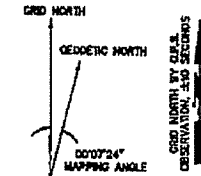
The Premises are described and/or depicted as follows:



LOCATION MAP
GREENSBURG, GREEN CO., KY
NOT TO SCALE

LEGEND

- OHU EXISTING OVERHEAD UTILITIES
- LEAS LINE LEASE LINE
- APPROXIMATE PROPERTY LINE APPROXIMATE PROPERTY LINE
- UTILITY POLE UTILITY POLE
- FOUND STEEL T-POST FOUND STEEL T-POST
- SET AS REBAR WITH CAP STAMPED "JOHN THOMAS 3259" UNLESS OTHERWISE NOTED
- POC POINT OF COMMENCEMENT
- POB POINT OF BEGINNING
- TREE TREE



NORTH IS BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, HAD 1983 AND WAS DETERMINED BY COMPUTATION FROM G.P.S. OBSERVATION ON JULY 29, 2004.

atat

nsoro
It's just good business.

BTM
BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40226
(502) 458-8402 PHONE
(502) 458-8427 FAX

7-23-10

STATE OF KENTUCKY

JOHN M. THOMAS
3259

LICENSED
PROFESSIONAL
LAND SURVEYOR

COORDINATE POINT LOCATION
PROPOSED TOWER CENTERLINE

HAD 1983
LATITUDE: 37°08'56.453"N
LONGITUDE: 85°32'47.602"W
ELEVATION: 857.51 (NAVD 88)
STATE PLANE COORDINATE
NORTHING: 1843301.12
EASTING: 188972.94

BENCHMARK

NORTH: 1843301.12
EAST: 188972.94
ELEVATION: 857.51 (NAVD 88)
LOCATION: AS REBAR WITH CAP
BTM TRAVELER

Exhibit 2 of 2

OWNER APPROVAL: _____ DATE: 7-23-10
JOHN M. THOMAS, PLS 3259

AT&T APPROVAL: _____ DATE: _____

SITE NAME: _____

SITE I.D.: _____

SITE ADDRESS: _____
MATNEY ROAD
GREENSBURG, GREEN CO., KY 42743

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER: _____
REX W. AND CAROL M. HOUR
184 CLARK HOLLOW ROAD
GREENSBURG, KY 42743

TAX MAP NUMBER: 55

PARCEL NUMBER: 38

SOURCE OF TITLE: _____
DEED BOOK 164, PAGE 84

LATITUDE: 37° 08' 56.453"N
LONGITUDE: 85° 32' 47.602"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	7/22/09

TITLE: _____
COMMUNICATIONS
SITE SURVEY

SHEET: _____
C-2

LAND SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN 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 WAS MADE BY METHOD OF RANDOM TRAVERSE WITH SIDESHOTS. THE UNADJUSTED CLOSURE RATIO OF THE TRAVERSE WAS GREATER THAN 1:5,000. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A CLASS "1" SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY-REV 201 KAR 06-150.

JOHN M. THOMAS, PLS 3259
DATE: 7-23-10

OWNER APPROVAL: _____ DATE: _____
AT&T APPROVAL: _____ DATE: _____

LEGAL DESCRIPTIONS

THIS IS THE DESCRIPTION FOR AT&T FOR AN AREA TO BE LEASED FROM A TRACT OF LAND CONVEYED TO REX W. AND CAROL M. HOUR BY DEED OF RECORD IN DEED BOOK 164, PAGE 84 IN THE OFFICE OF THE COUNTY CLERK OF GREEN COUNTY, KENTUCKY AND FURTHER DESCRIBED AS FOLLOWS:

DESCRIPTION OF PROPOSED LEASE AREA AND EASEMENTS

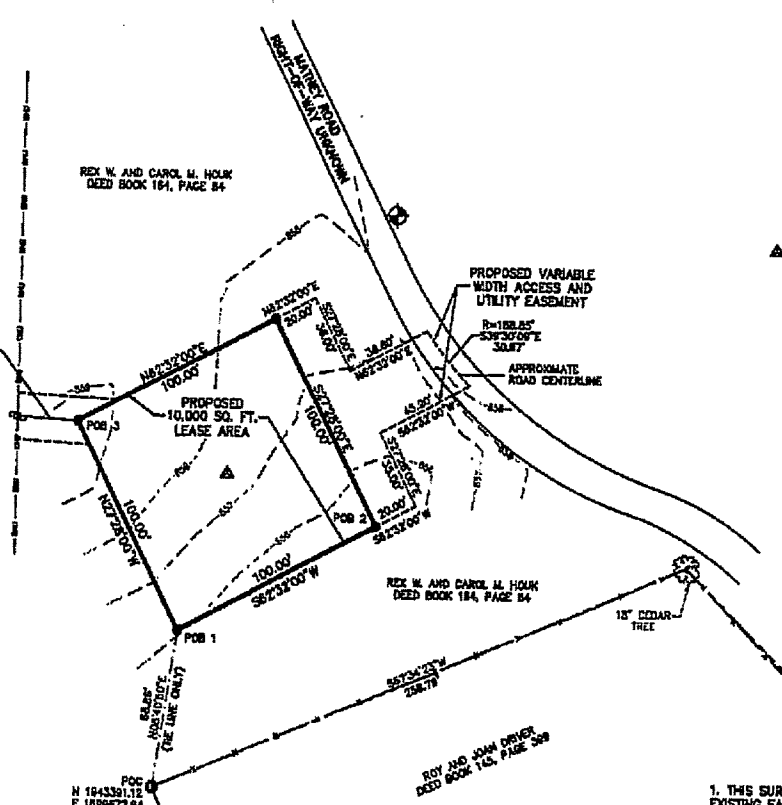
NOTE: ALL BEARINGS AND DISTANCES ARE BASED ON GRID NORTH KENTUCKY STATE PLANE COORDINATE SYSTEM SOUTH ZONE, HAD 1983.

COMMENCING AT A FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 1843301.12 AND EAST 188972.94 BEING THE NORTHWEST PROPERTY CORNER OF A TRACT OF LAND CONVEYED TO ROY AND JOAN DRIVER BY DEED OF RECORD IN DEED BOOK 145, PAGE 388 IN THE OFFICE OF THE COUNTY CLERK OF GREEN COUNTY, KENTUCKY; SAID POINT OF COMMENCEMENT BEING LOCATED 89734.237"W, 258.74 FEET FROM A FOUND 18" CEDAR TREE LOCATED ON THE SOUTHWESTERNLY SIDE OF MATNEY ROAD, APPROXIMATELY 1400 FEET SOUTHEAST OF LEE CEMETERY ROAD; THENCE N08°40'50"W, 85.80 FEET TO A SET REBAR (6 REBAR WITH CAP STAMPED "JOHN THOMAS 3259" HEREINAFTER REFERRED TO AS SET REBAR AT THE POINT OF BEGINNING 1) THENCE WITH THE PROPOSED LEASE AREA THE NEXT FOUR CALLS: N27°25'00"W, 100.00 FEET TO A SET REBAR THENCE N62°32'00"E, 100.00 FEET TO A SET REBAR THENCE S07°28'00"E, 100.00 FEET TO A SET REBAR THENCE S82°32'00"E, 100.00 FEET TO THE POINT OF BEGINNING 1 AND CONTAINING 10,000 SQUARE FEET.

ALSO, THE RIGHT TO USE FOR ACCESS AND UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, A VARIABLE WIDTH EASEMENT DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 1843301.12 AND EAST 188972.94; THENCE N08°40'50"E, 85.80 FEET; THENCE N62°32'00"E, 100.00 FEET TO THE POINT OF BEGINNING 2; THENCE WITH SAID EASEMENT THE FOLLOWING 8 CALLS: N27°28'00"W, 100.00 FEET; THENCE N62°32'00"E, 100.00 FEET; THENCE WITH SAID EASEMENT THE FEET; THENCE N62°32'00"E, 38.80 FEET TO THE APPROXIMATE CENTERLINE OF MATNEY ROAD; THENCE WITH SAID CENTERLINE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 188.85 FEET AND A CHORD OF S09°30'00"E, 30.47 FEET; THENCE LEAVING SAID CENTERLINE, S62°32'00"W, 43.20 FEET; THENCE S07°28'00"E, 38.00 FEET; THENCE S82°32'00"W, 20.00 FEET TO THE POINT OF BEGINNING 2.

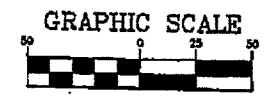
ALSO, THE RIGHT TO USE FOR UTILITIES TO THE ABOVE DESCRIBED LEASE AREA, A 20 FOOT WIDE EASEMENT THE CENTERLINE DESCRIBED AS FOLLOWS: COMMENCING AT THE AFORESAID FOUND STEEL T-POST AT KENTUCKY STATE PLANE COORDINATE, NORTH 1843301.12 AND EAST 188972.94; THENCE N08°40'50"E, 85.80 FEET; THENCE N27°25'00"W, 100.00 FEET TO THE POINT OF BEGINNING 3; THENCE WITH SAID EASEMENT CENTERLINE, N07°04'30"W, 27.40 FEET TO THE TERMINATION OF SAID EASEMENT CENTERLINE IN AN EXISTING UTILITY POLE.

ALL AS SHOWN ON A PARTIAL BOUNDARY SURVEY BY JOHN M. THOMAS, PLS 3259 OF BTM ENGINEERING, INC. DATED JULY 2010, PROJECT NO. "NSORO-EXE".



NOTE

1. THIS SURVEY IS SUBJECT TO ALL EXISTING EASEMENTS, RESTRICTIONS, EXCEPTIONS, SERVITUDES, RIGHT OF WAYS AND PRIOR LEASES WHETHER SHOWN HEREON OR NOT. A TITLE REPORT MAY REVEAL EASEMENTS OR OTHER DEFECTS WHETHER SHOWN HEREON OR NOT.

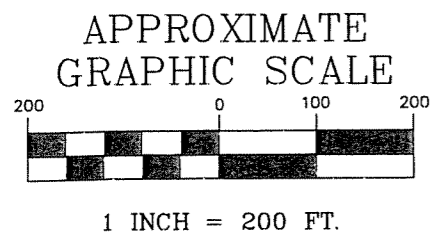
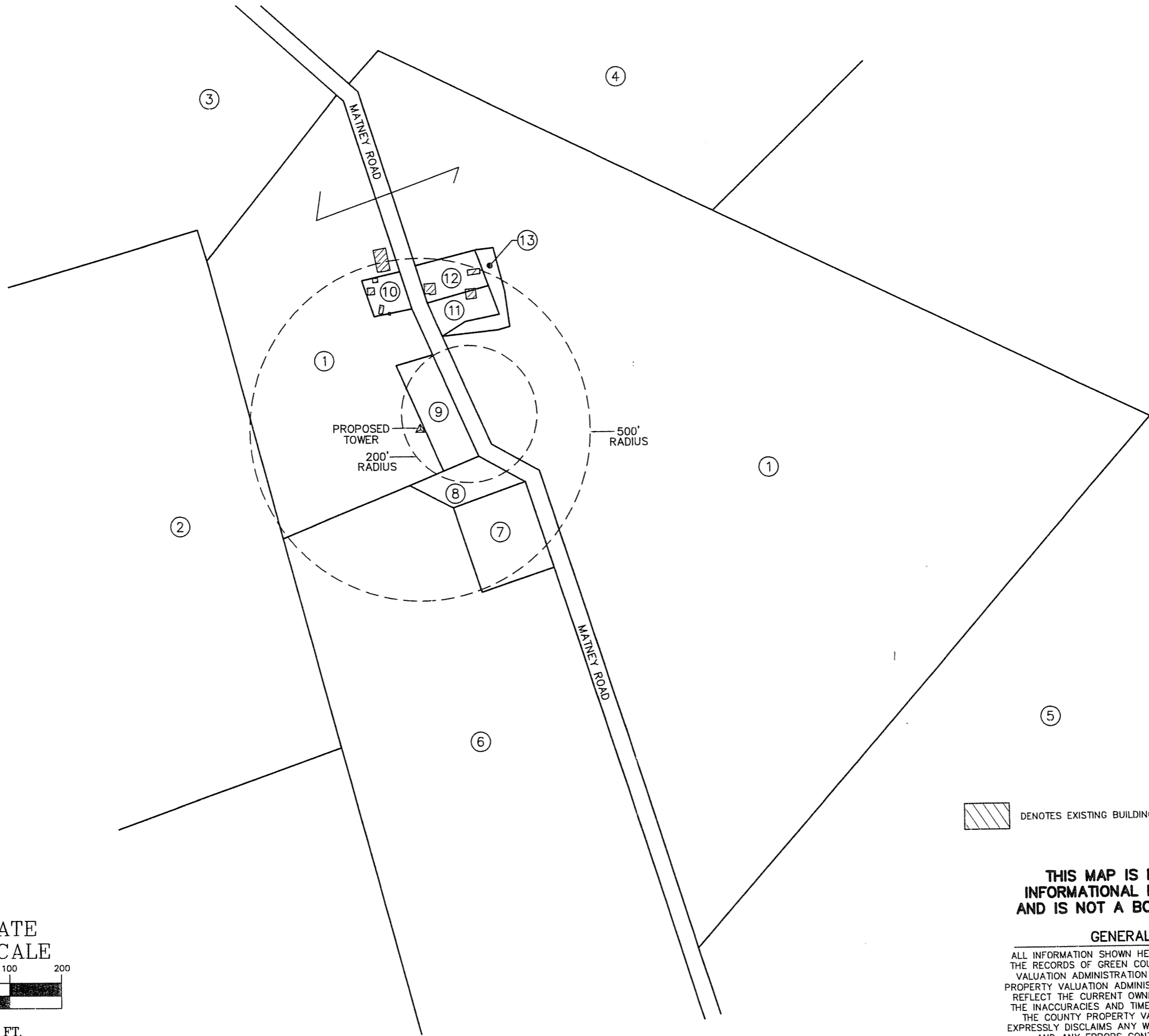
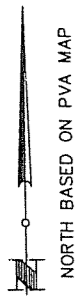


1 INCH = 50 FT.

FLOOD PLAIN CERTIFICATION

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 25875C0000A DATED MAY 3, 2010 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD HAZARD AREA.

Exhibit J



DENOTES EXISTING BUILDING

THIS MAP IS FOR GENERAL INFORMATIONAL PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.

GENERAL NOTE:

ALL INFORMATION SHOWN HEREON WAS OBTAINED FROM THE RECORDS OF GREEN COUNTY, KENTUCKY PROPERTY VALUATION ADMINISTRATION OFFICE ON 6/30/10. THE PROPERTY VALUATION ADMINISTRATION RECORDS MAY NOT REFLECT THE CURRENT OWNERS AND ADDRESS DUE TO THE INACCURACIES AND TIME LAPSE IN UPDATING FILES. THE COUNTY PROPERTY VALUATION ADMINISTRATION EXPRESSLY DISCLAIMS ANY WARRANTY FOR THE CONTENT AND ANY ERRORS CONTAINED IN THEIR FILES.



BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

7-23-10

STATE OF KENTUCKY
JOHN M. THOMAS
3259
LICENSED PROFESSIONAL LAND SURVEYOR

SITE NAME: EXIE

SITE I.D.: LS1505

SITE ADDRESS: MATNEY ROAD
GREENSBURG, GREEN CO., KY 42743

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER:
REX W. AND CAROL M. HOUK
164 CLARK HOUCK ROAD
GREENSBURG, KY 42743

TAX MAP NUMBER: 55

PARCEL NUMBER: 36

SOURCE OF TITLE:
DEED BOOK 164, PAGE 84

LATITUDE: 37° 09' 56.453"N
LONGITUDE: 85° 32' 47.502"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	7/22/09

TITLE:
500' RADIUS VICINITY MAP

SHEET:
C-1



BTM ENGINEERING, INC.
3001 TAYLOR SPRINGS DRIVE
LOUISVILLE, KENTUCKY 40220
(502) 459-8402 PHONE
(502) 459-8427 FAX

7-23-10

STATE OF KENTUCKY
JOHN M. THOMAS
3259
LICENSED PROFESSIONAL LAND SURVEYOR

[Signature]

SITE NAME: EXIE

SITE I.D.: LS1505

SITE ADDRESS: MATNEY ROAD
GREENSBURG, GREEN CO., KY 42743

LEASE AREA: 10,000 SQ. FT.

PROPERTY OWNER:
REX W. AND CAROL M. HOUK
164 CLARK HOUCK ROAD
GREENSBURG, KY 42743

TAX MAP NUMBER: 55

PARCEL NUMBER: 36

SOURCE OF TITLE:
DEED BOOK 164, PAGE B4

LATITUDE: 37° 09' 56.453"N
LONGITUDE: 85° 32' 47.502"W

NO.	REVISION/ISSUE	DATE
1	ISSUE	7/22/09

TITLE:
500' RADIUS OWNER LIST

SHEET:
C-1A

- ① TAX MAP 55, PARCEL 21
REX W. AND CAROL HOUK
164 CLARK HOUK ROAD
GREENSBURG, KY 42743
- ② TAX MAP 55, PARCEL 38.03
BEVERLY MATNEY
415 LONE OAK ROAD
GREENSBURG, KY 42743
- ③ TAX MAP 55, PARCEL 19.02
RONALD AND SHELIA MATNEY
957 MATNEY ROAD
GREENSBURG, KY 42743
- ④ TAX MAP 55, PARCEL 12
VICTOR MATNEY
992 MATNEY ROAD
GREENSBURG, KY 42743
- ⑤ TAX MAP 55, PARCEL 22
JOHN AND MIRIAM K. DERKSEN
320 HENNIEN BERRY ROAD
GREENSBURG, KY 42743
- ⑥ TAX MAP 55, PARCEL 36
REX W. AND CAROL HOUK
164 CLARK HOUK ROAD
GREENSBURG, KY 42743
- ⑦ TAX MAP 55, PARCEL 36.01
ROY AND JOAN DRIVER
240 LAKE FOREST DRIVE
CAMPBELLSVILLE, KY 42718
- ⑧ TAX MAP 55, PARCEL 36.02
JOHNNY SIMPSON
569 MATNEY ROAD
GREENSBURG, KY 42743
- ⑨ TAX MAP 55, PARCEL 24
PARCEL 24 IS INCORRECTLY
MAPPED ON TAX MAP 55 AND
IS A PORTION OF PARCEL 21
- ⑩ TAX MAP 55, PARCEL 21.02
RANDALL & SANDRA ERVIN
807 MATNEY ROAD
GREENSBURG, KY 42743
- ⑪ TAX MAP 55, PARCEL 21.01
TOMMY R. AND KAREN Y. PRUITT
786 MATNEY ROAD
GREENSBURG, KY 42743
- ⑫ TAX MAP 55, PARCEL 21.03
ED AND JEWELL HUGGINS
788 MATNEY ROAD
GREENSBURG, KY 42743
- ⑬ TAX MAP 55, PARCEL 21.04
TOMMY R. AND KAREN Y. PRUITT
786 MATNEY ROAD
GREENSBURG, KY 42743

GENERAL NOTE:

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BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS
also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Beverly Matney
415 Lone Oak Road
Greensburg, KY 42743

Via Certified Mail Return Receipt Requested

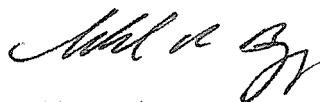
Dear Landowner:

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 at Matney Road, Greensburg, Kentucky 42743. A map showing the location is attached. The proposed facility will include a 195 foot monopole tower, plus related ground facilities.

This notice is being sent to you because the Green County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR is 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 2010-00373 in any correspondence.

Sincerely,



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

Enclosure

BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS

also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Ronald & Sheila Matney
957 Matney Road
Greensburg, KY 42743

Via Certified Mail Return Receipt Requested

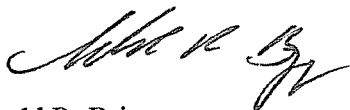
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Todd R. Briggs
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Enclosure

BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS

also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Victor Matney
992 Matney Road
Greensburg, KY 42743

Via Certified Mail Return Receipt Requested

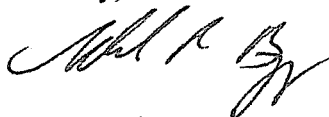
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Sincerely,



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

Enclosure

BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS

also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

John and Miriam K. Derksen
320 Hennien Berry Road
Greensburg, KY 42743

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

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS
also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Roy and Joan Driver
240 Lake Forest Drive
Campbellsville, KY 42718

Via Certified Mail Return Receipt Requested

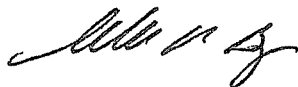
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Sincerely,



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

Enclosure

BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223
Telephone [502] 412-9222 | Facsimile [866] 333-4563
todd@briggslawoffice.net

TODD R. BRIGGS
also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Johnny Simpson
569 Matney Road
Greensburg, KY 42743

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

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS

also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Randall & Sandra Ervin
807 Matney Road
Greensburg, KY 42743

Via Certified Mail Return Receipt Requested

Dear Landowner:

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Sincerely,



Todd R. Briggs
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BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223

Telephone [502] 412-9222 | Facsimile [866] 333-4563

todd@briggslawoffice.net

TODD R. BRIGGS

also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Tommy R. & Karen Y. Pruitt
786 Matney Road
Greensburg, KY 42743

Via Certified Mail Return Receipt Requested

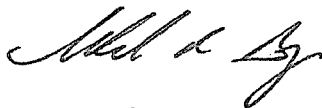
Dear Landowner:

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 at Matney Road, Greensburg, Kentucky 42743. A map showing the location is attached. The proposed facility will include a 195 foot monopole tower, plus related ground facilities.

This notice is being sent to you because the Green County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR is 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 2010-00373 in any correspondence.

Sincerely,



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

Enclosure

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also admitted in Colorado

Notice of Proposed Construction Wireless Telecommunications Facility

Ed and Jewell Hudgins
788 Matney Road
Greensburg, KY 42743

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 at Matney Road, Greensburg, Kentucky 42743. A map showing the location is attached. The proposed facility will include a 195 foot monopole tower, plus related ground facilities.

This notice is being sent to you because the Green County Property Valuation Administrator's records indicate that you own property that is within a 500' radius of the proposed tower site OR is 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 2010-00373 in any correspondence.

Sincerely,



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

Enclosure

Exhibit K

BRIGGS LAW OFFICE, PSC

1301 Clear Springs Trace | Suite 205 | Louisville, Kentucky 40223
Telephone [502] 412-9222 | Facsimile [866] 333-4563
todd@briggslawoffice.net

TODD R. BRIGGS
also admitted in Colorado

Via Certified Mail Return Receipt Requested

Honorable Mary Ann Blaydes Baron
Green County Judge Executive
203 West Court Street
Greensburg, KY 42743

**RE: Notice of Proposal to Construct Wireless Telecommunications Facility
Kentucky Public Service Commission--Case No. 2010-00373**

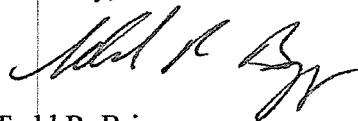
Dear Judge Baron:

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 at Matney Road, Greensburg, Kentucky 42743. A map showing the location is attached. The proposed facility will include a 195 foot monopole 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 2010-00373 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
1301 Clear Springs Trace
Suite 205
Louisville, KY 40223
(502) 412-9222

or
Executive Director
Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to Commission's
Case #2010-00373
in your correspondence.

PUBLIC NOTICE

New Cingular Wireless PCS, LLC
proposes to construct a
telecommunications

TOWER

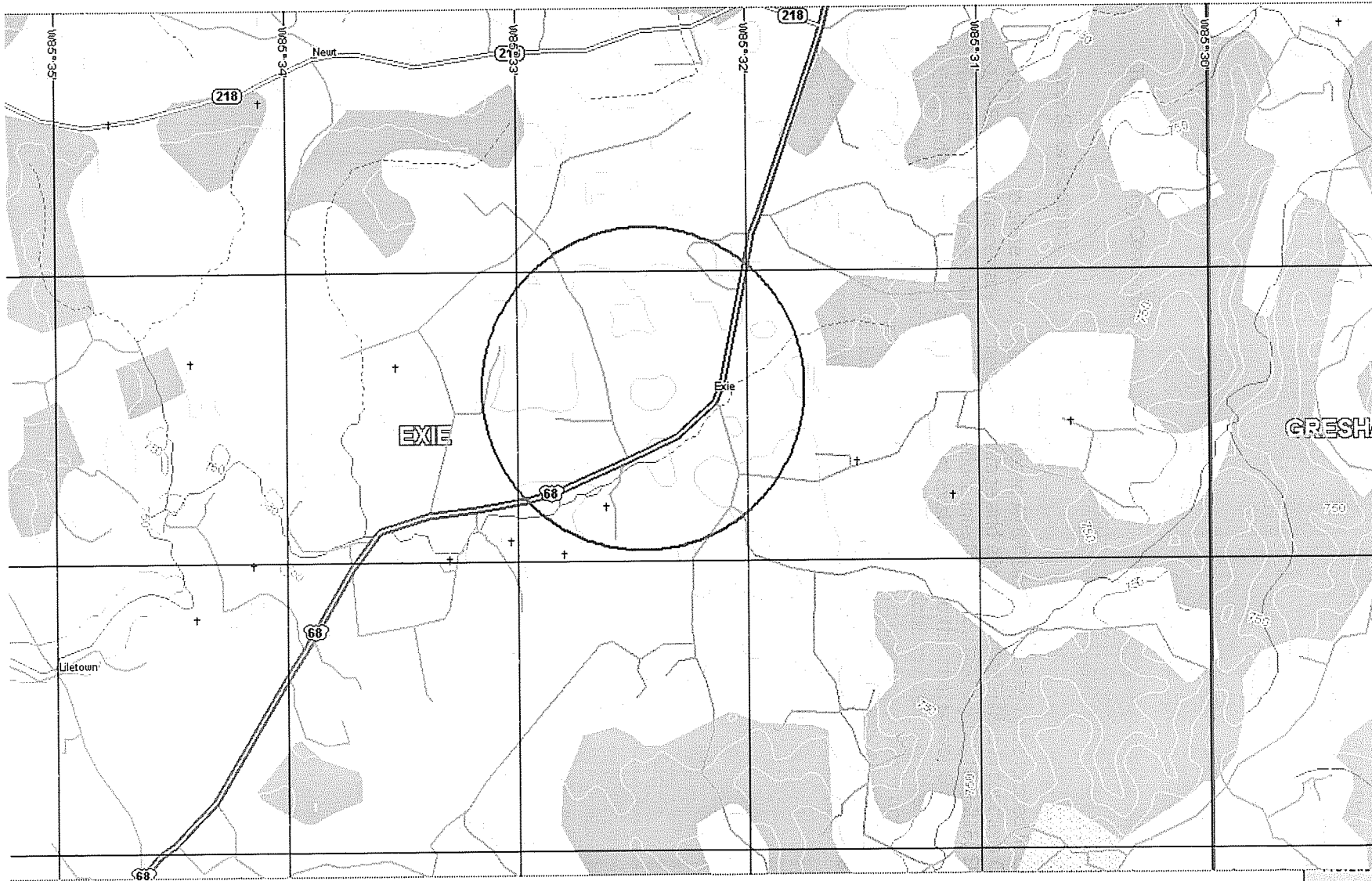
near this site. If you have
any questions please contact:

Briggs Law Office, PSC
1301 Clear Springs Trace
Suite 205
Louisville, KY 40223
(502) 412-9222

or
Executive Director
Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to Commission's
Case #2010-00373
in your correspondence.

Exhibit M

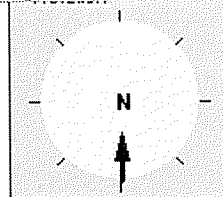


DELORME
3D TopoQuads

Detail: 12-3

Latitude: N37° 9' 24.5"
Longitude: W85° 31' 29.5"
Elevation: 829 feet
Interval: 50 feet
Photo Zoom: 100%

Scale: 1500 ft
Datum: WGS84



Exie 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

August 13, 2010

To Whom It May Concern:

Dear Sir or Madam:

This letter is to state the need of the proposed AT&T site called Exie, to be located in Green County, KY. The Exie site is necessary to improve coverage and eliminate interference in southern Green County. This site will improve the coverage and reduce interference on US Hwy 68, Hwy 218, SR 745, the town of Exie, and the surrounding area. Our closest existing site to this area is over 6 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 Green County will experience improved reliability, better in-building coverage, and improved access to emergency 911 services.

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

August 13, 2010

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 Exie 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, appearing to read "SAL".

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

August 13, 2010

To Whom It May Concern:

Dear Sir or Madam:

This letter is to serve as documentation that the proposed AT&T site called Exie, to be located in Green County, KY at Latitude 37-09-56.45 North, Longitude 085-32-47.50 West, has been designed, and will be built and operated in accordance with all applicable FCC and FAA regulations.

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

Sherri A Lewis
RF Design Engineer