

Development Processing County Office Building 111 West Chesapeake Avenue Towson, Maryland 21204 pdmlandacq@co.ba.md.us

March 15, 2012

S. Leonard Rottman Adelberg, Rudow, Dorf & Hendler, LLC 600 Mercantile Bank & Trust Building 2 Hopkins Plaza, Baltimore, MD 21201

Dear Mr. Rottman,

RE: 8415 Bellona Avenue Telecommunication Facility
Spirit and Intent Case No. 97-36-X, 8<sup>th</sup> Election District

Your letter addressed to Mr. Jablon, dated March 5, 2002 has been referred to me for reply. After careful review of the materials included with the letter and the zoning records for this property the following has been determined.

The proposed additional equipment cabinet is considered to be within the "spirit and intent" of Zoning Case No. 97-36-X. You must sticky-back a copy of this letter on all plans submitted to Baltimore County for permit approval.

Please prepare and submit to this office an amended version of the site plan submitted in Zoning Case No. 97-36-X clearly showing the addition and other collateral changes, including a signature block titled:

APPROVED AS BEING WITHIN THE SPIRIT AND INTENT OF THE PLAN AND ORDER IN ZONING CASE No. 97-36-X

Signed By

Date

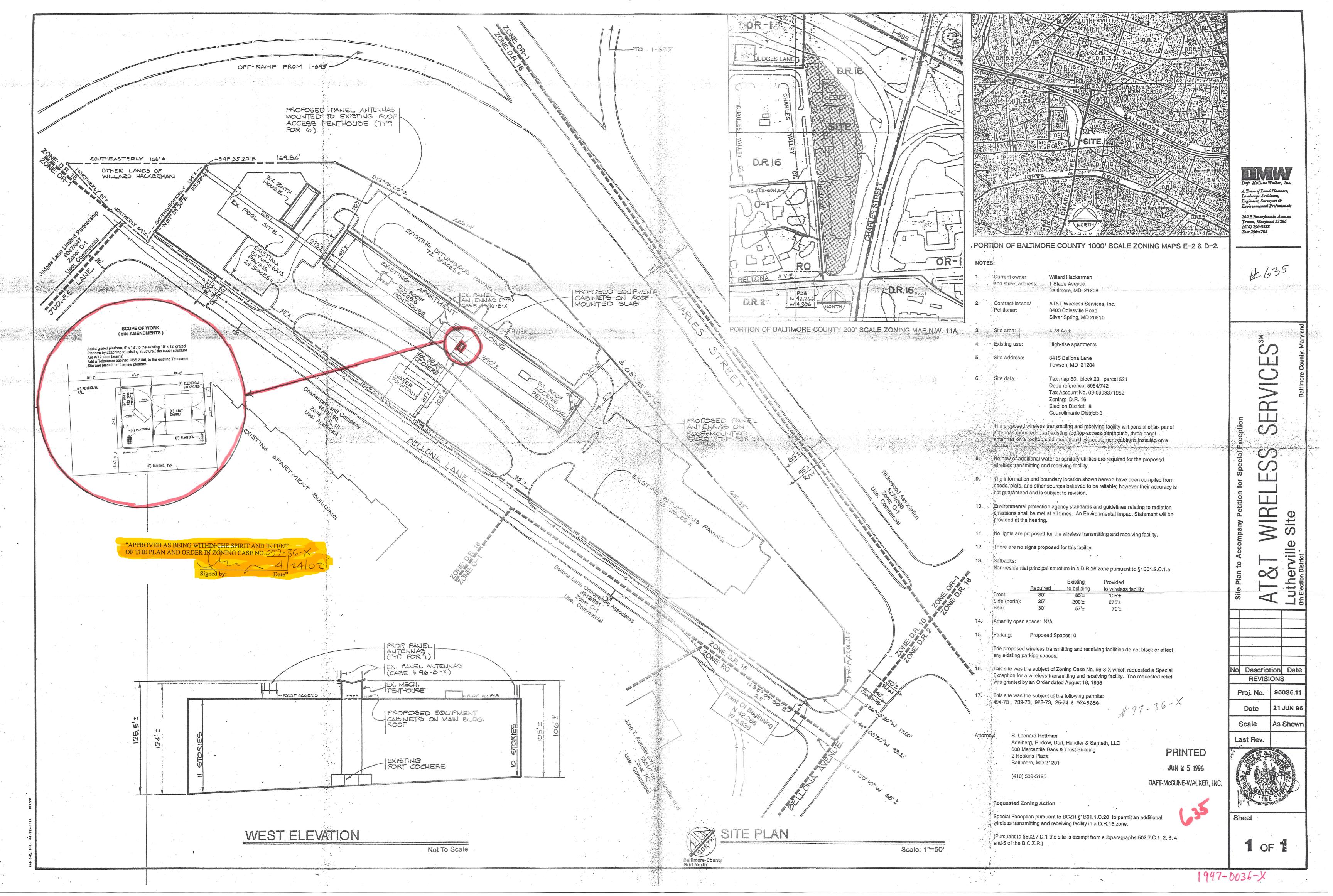
This amended plan will be included in the zoning case file.

I trust that the information set forth in this letter is sufficiently detailed and responsive to the request. If you need further information or have any questions, please do not hesitate to contact me at 410-887-3391.

Sincerely

L'ayd T. Mor ey

Planner II. Zoning Review



IN RE:

PETITION FOR SPECIAL EXCEPTION

NE/Corner Bellona Lane and

Bellona Avenue (8415 Bellona Lane) 8th Election District

3rd Councilmanic District

\* BEFORE THE

\* DEPUTY ZONING COMMISSIONER

\* OF BALTIMORE COUNTY

\* Case No. 97-36-X

Willard Hackerman, Legal Owner;

AT&T Wireless Services, Inc., Contract Lessee - Petitioners

\* \* \* \* \* \* \* \* \* \*

#### FINDINGS OF FACT AND CONCLUSIONS OF LAW

This matter comes before the Deputy Zoning Commissioner as a Petition for Special Exception for that property known as 8415 Bellona Lane, located in the vicinity of Charles Street in Ruxton. The Petition was filed by the owner of the property, Willard Hackerman, and the Contract Lessee, AT&T Wireless Services, Inc., by Frances Kingsbury, Agent, through their attorney, S. Leonard Rottman, Esquire. The Petitioners seek approval of a wireless transmitting and receiving facility at the subject location, pursuant to Section 1B01.1.C.20 of the Baltimore County Zoning Regulations (B.C.Z.R.). The subject property and relief sought are more particularly described on the site plan submitted which was accepted and marked into evidence as Petitioner's Exhibit 1.

Appearing at the hearing on behalf of the Petition were Michael H. Yglesio, John Andrews, Richard Davis and Brad Fleegle with AT&T Wireless Services, Inc., Contract Lessee, and Paul A. Dorf, Esquire, attorney for the Petitioners. There were no protestants present.

Testimony and evidence offered revealed that the subject property consists of 4.78 acres, more or less, zoned D.R. 16 and is improved with a high-rise apartment building known as the Ruxton Towers. The Petitioners are desirous of locating a wireless transmitting and receiving facility atop the roof of the subject building in accordance with the site plan

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submitted into evidence as Petitioner's Exhibit 1. The site plan of the property shows the proposed facility and the approximate location of the antennae on the subject building. Testimony revealed that the subject building is already being used to support wireless transmitting and receiving antennae for another communication company. Furthermore, there was no community opposition nor any adverse comments submitted by any Baltimore County reviewing agency. In addition, the the owner of the Ruxton Towers supports the proposed installation of the subject facility on top of the existing building as opposed to the installation of a monopole or tower elsewhere on the site. The Petitioners also submitted as Petitioner's Exhibit 2, the required Environmental Impact Statement, which indicates the suitability of the subject site for the proposed use.

It is clear that the B.C.Z.R. permits the use proposed in a D.R.16 zone by special exception. It is equally clear that the proposed use would not be detrimental to the primary uses in the vicinity. Therefore, it must be determined if the conditions as delineated in Section 502.1 are satisfied.

The Petitioner had the burden of adducing testimony and evidence which would show that the proposed use met the prescribed standards and requirements set forth in Section 502.1 of the B.C.Z.R. The Petitioner has shown that the proposed use would be conducted without real detriment to the neighborhood and would not adversely affect the public interest. The facts and circumstances do not show that the proposed use at the particular location described by Petitioner's Exhibit 1 would have any adverse impact above and beyond that inherently associated with such a special exception use, irrespective of its location within the zone. Schultz v. Pritts, 432 A.2d 1319 (1981).

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Date
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The proposed use will not be detrimental to the health, safety, or general welfare of the locality, nor tend to create congestion in roads, streets, or alleys therein, nor be inconsistent with the purposes of the property's zoning classification, nor in any other way be inconsistent with the spirit and intent of the B.C.Z.R.

After reviewing all of the testimony and evidence presented, it appears that the special exception should be granted with certain restrictions as more fully described below.

Pursuant to the advertisement, posting of the property, and public hearing on this Petition held, and for the reasons given above, the relief requested in the special exception should be granted.

THEREFORE, IT IS ORDERED by the Deputy Zoning Commissioner for Baltimore County this 11th day of September, 1996 that the Petition for Special Exception to approve a wireless transmitting and receiving facility at the subject location, pursuant to Section 1B01.1.C.20 of the Baltimore County Zoning Regulations (B.C.Z.R.), and in accordance with Petitioner's Exhibit 1, be and is hereby GRANTED, subject to the following restriction:

1) The Petitioners may apply for their building permit and be granted same upon receipt of this Order; however, Petitioners are hereby made aware that proceeding at this time is at their own risk until such time as the 30-day appellate process from this Order has expired. If, for whatever reason, this Order is reversed, the relief granted herein shall be rescinded.

TIMOTHY M. KOTROCO

Deputy Zoning Commissioner

for Baltimore County

TMK:bjs

#### Baltimore County Government Zoning Commissioner Office of Planning and Zoning



Suite 112 Courthouse 400 Washington Avenue Towson, MD 21204

(410) 887-4386

September 11, 1996

Paul A. Dorf, Esquire
Adelberg, Rudow, Dorf, Hendler & Sameth
600 Mercantile Bank & Trust Building
Two Hopkins Plaza
Baltimore, Maryland 21201

RE: PETITION FOR SPECIAL EXCEPTION

NE/Corner Bellona Lane and Bellona Avenue

(8415 Bellona Lane)
8th Election District - 3rd Councilmanic District
Willard Hackerman, Legal Owner;
AT&T Wireless Services, Inc., Contract Lessee - Petitioners
Case No. 97-36-X

Dear Mr. Dorf:

Enclosed please find a copy of the decision rendered in the above-captioned matter. The Petition for Special Exception has been granted in accordance with the attached Order.

In the event any party finds the decision rendered is unfavorable, any party may file an appeal to the County Board of Appeals within thirty (30) days of the date of this Order. For further information on filing an appeal, please contact the Zoning Administration and Development Management office at 887-3391.

Very truly yours,

TIMOTHY M. KOTROCO
Deputy Zoning Commissioner

hurther Kotroco

for Baltimore County

TMK:bjs

cc: Mr. Willard Hackerman 8415 Bellona Lane, Baltimore, Md. 21208

Mr. Frances Kingsbury, AT&T Wireless Services, Inc. 8403 Colesville Road, Silver Spring, Md. 20910

Mr. Jack Andrews, Broadcast Tower Sites, Inc. 4340 East West Highway, Bethesda, Md. 20814

People's Counsel; Case File

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### Petition for Special Exception

| to the Zoning Commis  | ssioner of Baltimore County   |
|---|---|
| for the property located at 8   | 415 Bellona Lane  |
| 97 96-36-X  | which is presently zoned DR 16  |
| This Petition shall be filed with the Office of Zoning Administration The undersigned, legal owner(s) of the property situate in Baltimore hereto and made a part hereof, hereby petition for a Special Exception herein described property for | County and which is described in the description and plat attached  |
| an additional wireless transmitting and receiving fa  | acility pursuant to 1B01.1.C.20   |
|   |   |
| Property is to be posted and advertised as prescri, or we, agree to pay expenses of above Special Exception advertis are to be bound by the zoning regulations and restrictions of Baltimore  | ing, posting, etc., upon filling of this petition, and further agree to and   |
|   | Whe do solemnly declare and affirm, under the penalties of perjury, that I/we are the legal owner(s) of the property which is the subject of this Petition. |
| Contract Purchaser/Leasee: AT&T Wireless Services, Inc  | Legal Owner(s):   |
| FREANCES KINGSburg  | Willard Hackerman   |
| (Type or Print Name)  | (Type or Print Name)  |
| Signature agent   | Signature   |
| 8403 Colesville Road  |   |
| Address   | (Type or Print Name)  |
| Silver Spring, MD 20910   |   |
| City State Zipcode  | Signature 8415 Relienta Lange 4821-1100<br>1-Stade Avenue 484-2818  |
| Attorney for Petitioner:<br>S. Leonard Rottman  | Address Phone No.   |
| Adelberg Rudow, Dorf, Hendler & Sameth, LLC   | Baltimore, MD 21208 Z/2 o 4   |
| Type or P/Int Napre)  | City State Zipcode<br>Name, Address and phone number of legal owner, contract purchaser, or<br>representative to be contacted.                              |
| Signature   | Jack Andrews, Broadcast Tower Sites, Inc.   |
| 600 Mercantile Bank & Trust Building  | 4340 East West Hwy, Bethesda, MD 20814  |

OPDER RECEIVED FOR FILING Two Hopkins Plaza

Baltimore, MD 21201

Zipcode Apriles Administrate

| Willard Hackerman (Type of Print Name)   |
|--|
| (Type of territor dame)  |
| College see  |
| Signature  |
|  |
|  |
| (Type or Print Name)   |
|  |
| Signature 84K 701/24 - 1 821-1100  |
| Signature 8415 Relignia Lange 4821-1100 -1-Stade Avenue 484-2818   |
| Address Phone No.  |
| Baltimore, MD 21208 Z/2 o 4  |
| City State Zipcode   |
| Name, Address and phone number of legal owner, contract purchaser, or representative to be contacted.  |
| 1.00 • 1. |
| Jack Andrews, Broadcast Tower Sites, Inc.  |
| 4340 East West Hwy, Bethesda, MD 20814   |
| (301) 652-1496   |
| Address Phone No.  |
| OFFICE USE ONLY  |
| 21,114,324,314,  |
| ESTIMATED LENGTH OF HEARING  |
| unavallable for Hearing  |
| the following dates U/A Next Two Months  |
| THE TOHOWING COLORS  |
| ALLOTHER   |
| REVIEWED BY: 507 DATE 7.23.96  |
| THE TAXABLE PARTY OF THE PARTY  |
| MICROFILMED 32   |
| IMICIALITATED 37   |

Description 96-36-X

To Accompany Petition for Special Exception

4.78 Acre Parcel

Part of the Willard Hackerman Property

Northeast Side of Bellona Lane

Northwest Side of Bellona Avenue

Eighth Election District, Baltimore County, Maryland

Beginning for the same on the northeast side of Bellona Lane, 50 feet wide, at the end of the second of the two following courses and distances measured from the point formed by the intersection of the centerline of Bellona Lane with the centerline of Bellona Avenue (1) North 04 degrees 50 minutes 10 seconds West along said centerline of Bellona Lane 68 feet, more or less, and thence (2) North 85 degrees 09 minutes 50 seconds East 25 feet to the point of beginning, thence leaving said beginning point and binding on said northeast side of Bellona Lane (1) North 04 degrees 50 minutes 10 seconds West 1074.45 feet, thence leaving said lane (2) North 87 degrees 29 minutes 30 seconds East 115.58 feet to the southwest side of the Baltimore Beltway - Charles Street Interchange, thence binding on the southwest and northwest sides of the said interchange, the four following courses and distances, viz: (3) South 41 degrees 35 minutes 20 seconds East 169.84 feet, thence (4) South 12 degrees 44 minutes 00 seconds East 288.14 feet, thence (5) South 08 degrees 33 minutes 30 seconds West 651.35 feet, and thence (6) South 47 degrees 10 minutes 20 seconds West 74.42 feet to intersect the northwest side of Bellona Avenue, thence binding thereon the



Daft · McCune · Walker, Inc.

200 East Pennsylvania Avenue Towson, Maryland 21286 410 296 3333 Fax 296 4705

A Team of Land Planners,

Landscape Architects,

Engineers, Surveyors &

Environmental Professionals

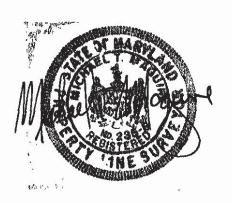
97-376-X

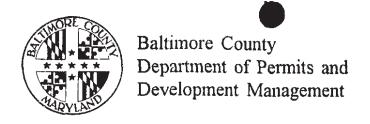
two following courses and distances viz: (7) South 86 degrees 03 minutes 20 seconds West 17.00 feet, and thence (8) North 49 degrees 08 minutes 20 seconds West 43.21 feet to the point of beginning; containing 4.78 acres of land, more or less.

THIS DESCRIPTION HAS BEEN PREPARED FOR ZONING PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONVEYANCE.

June 21, 1996

Project No. 96036.11





Development Processing County Office Building 111 West Chesapeake Avenue Towson, Maryland 21204

#### ZONING HEARING ADVERTISING AND POSTING REQUIREMENTS & PROCEDURES

Baltimore County zoning regulations require that notice be given to the general public/neighboring property owners relative to property which is the subject of an upcoming zoning hearing. For those petitions which require a public hearing, this notice is accomplished by posting a sign on the property and placement of a notice in at least one newspaper of general circulation in the County.

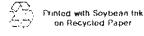
This office will ensure that the legal requirements for posting and advertising are satisfied. However, the petitioner is responsible for the costs associated with these requirements.

#### PAYMENT WILL BE MADE AS FOLLOWS:

- 1) Posting fees will be accessed and paid to this office at the time of filing.
- 2) Billing for legal advertising, due upon receipt, will come from and should be remitted directly to the newspaper.

NON-PAYMENT OF ADVERTISING FEES WILL STAY ISSUANCE OF ZONING ORDER.

| Ā                                   | ARNOLD JABLON, DIRECTOR |
|-------------------------------------|-------------------------|
| For newspaper advertising:          |                         |
| Item No.: Petitioner: AI tIU        | Vircless Services, INC  |
| Location: 8415 Bellowa Law          | e- Touson Md 21204      |
| PLEASE FORWARD ADVERTISING BILL TO: |                         |
| NAME: S. LEON and ROT.              | TMALI                   |
| ADDRESS: Soite 600- Mono            | - Ble Bldg              |
| Two Hokus 1                         | Tora - Balto Md 21101   |
| PHONE NUMBER: 539- 5195             |                         |



# CERTIFICATE OF POSTING

## ZONING DEPARTMENT OF BALTIMORE COUNTY 97-36-X Towner, Maryland

| The Contract of Co | Remarks:  Posted by Millians Date of return: 5/16/96  Structure | Location of Signe feeting, The Likely - Open Frage only being tour to | £ | District 8 of Posting 1996 |
|--|---|---|---|----------------------------|
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MOTICE OF HEARING

The Zorang Commissioner of Ballismore County; by authority of the Zorang Act and Reguletons of Ballismore County will had a public hearing on the property absoluted therein in Bronn 106 of the County Office Building. 111 W. Chesa

Washington Avenue, Towson, Maryland 21204 as follows: peake Avenue in Towson, Maryland 27204 or Room 118, Old Courthouse, 400

Case: #97-36-X (Item 32) 8415 Bellona Lane

E/S Bellona Lane, SEC Judges

Sth Election District
3rd Councilmanic
Legal Owner(s):
Williant Harbenman
Contract Pruchasserflessee:
AT&T Wireless Services, inc.
Special Exception: for an additional wireless transmitting

and receiving facility.

Hearing: Tuesday, September
3, 1996 at 11:00 a.m. in Rm.
118, Old Courthouse.

LAWRENCE E. SCHMIDT Zoning Commissioner for Bathmore County NOTES. (1) Hearings are Handicapped Accessible; for special accommodations. Please Call 887-3953. (2) For information concerning the File and/or Hearing. Please Call 897-3391.

8/151 August 8. C72819

# CERTIFICATE OF PUBLICATION

| TOWSON, MD., |   |
|--------------|---|
| 8/8          | - |
| , 19         |   |

weeks, the first publication appearing on in Towson, Baltimore County, Md., once in each of \_\_\_\_\_ published in THE JEFFERSONIAN, a weekly newspaper published THIS IS TO CERTIFY, that the annexed advertisement was 8 \_successive 1996.

THE JEFFERSONIAN,

FOAL AD. - TOWSON

TO: PUTUXENT PUBLISHING COMPANY
August 8, 1996 Issue - Jeffersonian

Please foward billing to:

S. Leonard Rottman, Esq. Suite 600 Mercantile B.O Two Hopkins Plaza Baltimore, Maryland 21201 539-5195

#### NOTICE OF HEARING

The Zoning Commissioner of Baltimore County, by authority of the Zoning Act and Regulations of Baltimore County, will hold a public hearing on the property identified herein in Room 106 of the County Office Building, 111 W. Chesapeake Avenue in Towson, Maryland 21204

Room 118, Old Courthouse, 400 Washington Avenue, Towson, Maryland 21204 as follows:

CASE NUMBER: 97-36-X (Item 32)
8415 Bellona Lane
E/S Bellona Lane, SEC Judges Lane
8th Election District - 3rd Councilmanic
Legal Owner(s): Willard Hackerman
Contract Purchaser/Lessee: AT&T Wireless Services, Inc.

Special Exception for an additional wireless transmitting and receiving facility.

HEARING: TUESDAY, SEPTEMBER 3, 1996 at 11:00 a.m. in Room 118, Old Courthouse.

LAWRENCE E. SCHMIDT ZONING COMMISSIONER FOR BALTIMORE COUNTY

NOTES: (1) HEARINGS ARE HANDICAPPED ACCESSIBLE; FOR SPECIAL ACCOMMODATIONS PLEASE CALL 887-3353.

(2) FOR INFORMATION CONCERNING THE FILE AND/OR HEARING, PLEASE CALL 887-3391.

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## Baltimore County Department of Permits and Development Management

Development Processing County Office Building 111 West Chesapeake Avenue Towson, Maryland 21204

August 2, 1996

#### NOTICE OF HEARING

The Zoning Commissioner of Baltimore County, by authority of the Zoning Act and Regulations of Baltimore County, will hold a public hearing on the property identified herein in Room 106 of the County Office Building, 111 W. Chesapeake Avenue in Towson, Maryland 21204

Room 118, Old Courthouse, 400 Washington Avenue, Towson, Maryland 21204 as follows:

CASE NUMBER: 97-36-X (Item 32)

8415 Bellona Lane

E/S Bellona Lane, SEC Judges Lane

8th Election District - 3rd Councilmanic

Legal Owner(s): Willard Hackerman

Contract Purchaser/Lessee: AT&T Wireless Services, Inc.

Special Exception for an additional wireless transmitting and receiving facility.

HEARING: TUESDAY, SEPTEMBER 3, 1996 at 11:00 a.m. in Room 118, Old Courthouse.

Arnold Jablon

Director

cc: Willard Hackerman

Jack Andrews/Broadcast Tower Sites, Inc.

AT&T Wireless Services, Inc.

S. Leonard Rottman, Esq.

NOTES: (1) ZONING SIGN & POST MUST BE RETURNED TO RM. 104, 111 W. CHESAPEAKE AVENUE ON THE HEARING DATE.

- (2) HEARINGS ARE HANDICAPPED ACCESSIBLE; FOR SPECIAL ACCOMMODATIONS PLEASE CALL 887-3353.
- (3) FOR INFORMATION CONCERING THE FILE AND/OR HEARING, CONTACT THIS OFFICE AT 887-3391.





# BALTIMORE COUNTY LIQUOR BOARD

January 24, Page 5 of 9 1994

HEARINGS

Court Reporter:

Other:

Name and Address

SHOW CAUSE

2:00 p.m. D(BWL)

Time Class

Hearing to Show Cause Why License Should Not be Suspended or Revoked Due to Alleged Violations.

Remarks

ARTICLE 2B 1 Annotated Code of ild.

Section 69. Section 70. Section 118. Causes Procedure Sales to Minors and Prohibited. Intoxicated Persons

RULES AND REGULATIONS OF THE BOARD OF LIQUOR LICENSE COMMISSIONERS FOR BALTIMORE COUNTY.

RULE 28 -NO SALES TO MINORS

Attorney:

DISTRICT (04) · Bowler 11515 Reisterstown Road Owings Mills, MD 21117 Vaneta Telis FIFTEEN MILE HOUSE, Stanley Antonis Athena Antonis t/a 15 Mile House INC.

## **Environmental Impact Statement**

AT&T Wireless Services, Inc. 8415 Bellona Lane Site

July 1996 Project No. 96036.11

Prepared for:

AT&T Wireless Services, Inc.
8403 Colesville Road
Silver Spring, MD 20910





Prepared by:
Daft·McCune·Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286





#### I. INTRODUCTION

This Environmental Impact Statement (EIS) has been prepared to meet the requirements of § 502.7.C.10 of the <u>Baltimore County Zoning Regulations</u>, pursuant to a Petition for Special Exception for the development of a wireless transmitting and receiving facility at the Ruxton Towers apartment building located on Bellona Lane in Towson. The facility will be operated by a contract lessee, AT&T Wireless Services, Inc. (AT&T), 8403 Colesville Road, Silver Spring, MD 20910.

#### II. PROJECT SUMMARY

The proposed project consists of the construction and operation of a wireless transmitting and receiving facility for use as a Personal Communications Service (PCS) station. The facility will consist of nine panel antennas (54"± high x 6±" wide x 3±" deep). Six of the antennas will be pole-mounted to an existing penthouse, and three antennas will be sled-mounted on the main roof of the existing ten-story high rise apartment building. A pair of equipment cabinets housing PCS radio and interconnect equipment (7±' high x 5±' wide x 3.5±' deep) will be installed on a platform on the main roof. The station will be a component of the PCS system being constructed by AT&T to serve the Baltimore-Washington area.

The facility will be constructed on land owned by Willard Hackerman. The property is located at 8415 Bellona Lane in Towson. The facility will be wholly contained on the roof of the existing building within the boundary of the 4.78-acre property. The existing building is generally situated in the center of the property.

The subject property is zoned DR-16. Lands surrounding the property are zoned DR-16, OR-1, and RO. These properties are used for both residential and business purposes.

The facility can be constructed at this location with no land disturbance to the area. The site will be served by electric and telephone utilities only. No sanitary sewer, water, or natural gas facilities are needed for the operation of the facility. The facility is designed for unmanned operation, but will be subject to regular periodic maintenance visits.

#### III. PROBABLE ENVIRONMENTAL IMPACT

**Site Clearing and Grading:** The facility will be installed on an existing structure and will not require earth work or grading of any kind.

Site Drainage and Runoff: The facility will be installed atop an existing structure and will not create any new impervious area. There are no materials proposed to be used that could cause any chemical contamination of either runoff or ground water.

Wildlife Habitat: The site was visited by an Natural Resource Specialist on July 12, 1996. No significant plant or wildlife resources were found in the immediate vicinity of the proposed facility. The facility will be installed atop an existing structure, therefore no significant habitats will be disturbed.

The effects of radio broadcast towers on free ranging wildlife are largely unknown. However, studies on confined individuals indicate that non-ionizing radiation levels must be several orders of magnitude greater than those associated with this facility to have any measurable effect (see Page 3, Acute short term exposures). Wildlife studies on the effects of radio frequency radiation similar to that emitted by the proposed AT&T facility are unwarranted due to the extremely low levels of radiation.

Numerous studies have been conducted examining the long term migration patterns and habits of migratory birds. It is generally assumed that these birds use astronomical, magnetic, and landscape cues to compliment inherited genetic abilities to migrate. Significant landscape features such as cities, rivers, and mountain ranges are widely considered to be the features utilized by birds. More localized features such as towns, creeks, and wood lots are learned as more precise locator cues. It is unlikely that waterfowl which may migrate through the Towson-Lutherville area could be confused by the addition of this facility.

**Noise:** The proposed facility will not generate any audible noise on a routine operating basis.

#### RF Radiation:

Background - Energy associated with electromagnetic radiation depends on its frequency (or wavelength). The higher the frequency, the greater the energy. X-ray and gamma radiation are at the far end of the high-frequency radio spectrum and thus possess relatively large amounts of energy. Electromagnetic waves associated with this energy level are referred to as ionizing radiation which can alter biological molecules by stripping electrons from the atoms. It is important not to confuse the terms "ionizing" and "non-ionizing" when referring to electromagnetic radiation since their mechanisms of biological effects are quite different. The AT&T PCS system operates in a radio frequency (RF) radiation spectrum of 1950 to 1965 Megahertz (MHz). This frequency of RF radiation is within the range of non-ionizing energy. This means that the energy level is not sufficient to alter biological molecules.

Typical radiated power from an AT&T PCS transmitter is about 500 watts (W). With all six proposed transmitters operating simultaneously at full power, the entire facility will have an effective radiated power not exceeding 3,000 watts. By contrast, television and radio broadcasting facilities operate at 50,000 to 200,000 watts. When compared to power levels presented by television and radio broadcasting, one finds the PCS systempower levels orders of magnitude less.

Potential Health Effects - There is an extensive body of literature published concerning the biological effects of RF radiation. These effects are dependent upon the electromagnetic frequency, the power (energy level), and the duration of exposure. It has been known for some time that high intensity doses of RF radiation can be harmful by the effect of heating biological tissue. Tissue damage can result primarily because of the body's inability to dissipate the excessive heat. These "thermal" effects are the same principles that are applied by microwave ovens and diathermy machines used in the therapeutic deep tissue treatment procedures.

#### a. Acute (short-term exposures)

Short-term, high intensity (100-200 mW/cm² [milliwatts per square centimeter]) RF radiation exposures to rabbits have demonstrated eye tissue changes due to thermal effects. Such effects have not been demonstrated at low level (less than 10 mW/cm²) power densities. Alterations in sperm production have also been reported and are related to thermal effects. The eyes and the testicles are particularly

inefficient at dissipating heat and thus are more susceptible to temperature related effects. It is important to note that the power densities required to produce thermal effects from short-term exposures are 150,000 to 1,500,000 times greater than the levels which can be expected at the base of the AT&T installation.

#### b. Chronic (long-term exposures)

The evidence of harmful biological effects at energy levels lower than those known to produce significant, measurable tissue heating has been controversial. The literature reports a wide range of potential non-thermal effects. These effects include behavioral modifications, reproductive, immunological and blood-forming effects, irritability, fatigue, and cardiovascular changes.

Human studies have not demonstrated significant differences between RF radiation exposed and unexposed populations. While various hypotheses have been formed to explain non-thermal effects, there is insufficient information to change currently accepted exposure level guidelines.

#### Standards and Guidelines:

#### a. ANSI/IEEE C95.1 - 1992:

Standards for maximum permissible RF radiation exposure levels were established by the American National Standards Institute (ANSI) in 1992, as ANSI/IEEE C95.1-1992. This standard was subsequently adopted by the Federal Communications Commission on September 19, 1994.

The maximum permissible exposure power densities designated by ANSI/IEEE C95.1-1992 were decreased by a factor of five from a 1982 ANSI standard for "uncontrolled" environments. The formula to calculate exposure limits at the frequencies used by the PCS system is:

#### f [frequency (MHz)]/1500

Substituting AT&T's frequencies in the formula, the maximum permissible power density exposure limits for 1950 to 1965 MHz are 1.30 to 1.31 mW/cm<sup>2</sup>, respectively. The permissible exposure is

weighted over a 30-minute time period verses a six-minute period used in the previous 1982 ANSI guidelines.

At less than 0.001 mW/cm<sup>2</sup>, the likely power densities at the base of the PCS system will be more than 1,200 times less than the maximum permissible exposure levels set by the ANSI guidelines.

#### b. Other Guidelines

The National Council on Radiation Protection and Measurements (NCRPM) specifies a fixed level of 1 mW/cm<sup>2</sup> as the acceptable exposure level for the general public. The International Radiation Protection Association's (IRPA) guidelines for public exposure also recommend 1 mW/cm<sup>2</sup>.

| <u>Summary</u>   | Power Density (mW/cm <sup>2</sup> ) |
|--|-------------------------------------|
| ANSI/IEEE Maximum Permissible                            | 1.30                                |
| NCRPM and IRPA Guidelines                                | 1                                   |
| Maximum Exposure Level at the base of a PCS Installation | <.001                               |

#### Power Densities:

#### a. PCS Systems

A recent safety analysis by Bell Laboratories (October 12, 1995), indicates that "in all normally accessible areas in the neighborhood surrounding a typical PCS installation, the maximum levels of RF energy associated with operation of the antennas will be 1,200 times below the exposure limits of the 1992 ANSI/IEEE C95.1 safety guideline." The full report of this study which includes more details of the characteristics of facilities like the proposed and their relationship to the published standards and guidelines is included as Appendix A.

#### b. Radio and Television

Radio and television stations transmit at frequencies between 550 kHz and 800 MHz. These stations transmit using radiated power in the tens of thousands watts. When compared to the 3,000 watts, or less, from the proposed PCS facility, one can readily see that PCS systems do not significantly contribute to the public's overall environmental exposures to RF radiation.

Environmental measurements of RF radiation by the Environmental Protection Agency and the FCC typically find levels well below exposure guidelines. In cases where levels have exceeded guidelines, there were unusual circumstances that placed the public too close to an antenna.

#### IV. DISCUSSION OF UNAVOIDABLE ADVERSE EFFECTS

Based on the above observations, the unavoidable adverse effects can be reduced to one item: the visibility of the antennas. This facility will be installed among several existing antennas using pole and sled-mounted panel antennas, the addition of which will not significantly detract from the building's existing appearance.

#### V. ALTERNATIVES TO THE PROPOSED ACTION

Should approval for the proposed project be denied, it would be necessary to seek an alternative site within 0.25 to 0.5 mile of the present location. A tower of at least 125 feet in height and the associated equipment cabinets would have to be constructed. Approval of the proposed rooftop facility will eliminate the potential need for a freestanding monopole or tower facility.

#### VI. ASSESSMENT OF LONG-TERM EFFECTS

The long-term effects are limited to the presence of the proposed antennas. No environmental degradation will result from placing this facility on top of the existing structure.

#### VII. COMMITMENT OF RESOURCES

The proposed project does not require any unusual materials or resources. Approval of the project will negate the need for an additional nearby station thereby conserving the land, materials, and energy required to construct it.

#### VIII CONCLUSIONS

The proposed project will cause little or no impact to the environment and in effect, will result in a benefit to the public by providing improved Personal Communication Systems service in Baltimore County.

Appendix A



#### Safety Analysis of the Electromagnetic Environment in the Vicinity of a Personal Communication Services (PCS) Base Station

Radiation Protection and Product Safety Department
AT&T Bell Laboratories
Murray Hill, New Jersey 07974-0636

#### Summary

This report is a safety analysis of the radiofrequency (RF) electromagnetic environment in the vicinity of a typical AT&T Wireless Services PCS radio base station. The analysis utilizes engineering data provided by AT&T Wireless, together with well-established analytical techniques for calculating the RF electromagnetic fields associated with PCS antennas. Worst-case assumptions were used to ensure safe-side estimates, i.e., the actual values will be significantly lower than the corresponding analytical values. The analysis indicates that the maximum level of RF energy to which the public may be exposed is below all applicable health and safety limits.

Specifically, in all normally accessible areas in the neighborhood surrounding a typical PCS installation, the maximum levels of RF energy associated with operation of the antennas will be 1,200 times below the exposure limits of the 1992 ANSI/IEEE C95.1 safety guideline.

Prepared for
AT&T Wireless Services
15 E. Midland Avenue
Paramus, New Jersey 0765Z

October 12, 1995

#### 1. Introduction

This report was prepared in response to a request from AT&T Wireless Services for a safety analysis of the radiofrequency (RF) electromagnetic environment in the vicinity of a typical personal communication services (PCS) base station, and an opinion regarding the concern for public health associated with long-term exposure in the environment surrounding such an installation.

#### Z. Technical Data

PCS base station antennas transmit at frequencies between 1930 and 1965 million hertz (MHz). Like antennas used for cellular radio, PCS antennas might be mounted on a lattice tower, monopole-type structure or on a building rooftop.

Based on information provided by AT&T Wireless Services, the radiated power per transmitter (channel) for a PCS base station would be less than 10 watts, and the radiated power per sector would be less than 240 watts (assuming the maximum number of transmitters are installed and operate simultaneously). This is an extremely low power system when compared with other familiar radio systems, such as AM, FM and television broadcast, which operate upwards of 50,000 watts. Figure 1 is a diagram of the electromagnetic spectrum which also lists common uses of RF energy. Table 1 below lists engineering specifications for a PCS base station.

Table I.

Engineering Specifications for a Typical PCS Radio System.

| antenna centerline height above grade        | . 98.ft  |
|--|----------|
| number of transmit antennas per sector       | ,        |
| · · · · · · · · · · · · · · · · · · ·        | · ·      |
| number of receive antennas per sector        | Z        |
| number of transmitters (channels) per sector | 24       |
| antanna manufacturer                         | DAPA.    |
| model number                                 | 58000    |
| 201  | 17.15 dB |
| downtilt                                     | Oa.      |
| maximum ERP+ per channel                     | 120 wast |
| maximum radiated power per channel           | 4-watts  |
| maximum radiated power per sector            | 96 watts |

FERF - Effective Radiated Power: ERF is a measure of how well an antenna concentrates RF energy; it is not the power radiated from the antenna. To illustrate the difference compare the brightness of an ordinary 100 water light built with that from a 100 water spot-light. Even though both are 100 waters, the spot-light appears brighter because it concentrates the light in one direction. In this direction, the spot light affectively appears to be emitting more than 100 waters. In other directions, there is almost no light emitted by the spot-light and it effectively appears to be much less than 100 waters.

Assumes the maximum number of transmitters per sector; 24, are operating continuously.

#### 3. Environmental Levels of RF Energy

The antenna pattern from a PCS antenna is such that the energy is propagated in a relatively narrow beam (in the vertical plane) which is directed toward the horizon. The reason for this is to provide uniform coverage. Hence, levels of RF energy directly under the antennas will not be remarkably different from the levels at points more distant.

For a PCS base station, the maximum potential exposure level associated with operation of the antennas can be readily calculated at any point in a plane at any height above grade. Based on the information provided by AT&T Wireless, and assuming that the maximum number of radio channels operates continuously, the power density at any point in a horizontal plane 6 ft above grade will be less than 1.0 millionth of a watt per centimeter squared (1.0  $\mu$ W/cm<sup>2</sup>), and also will be less than 1.3  $\mu$ W/cm<sup>2</sup> at any point in a corresponding plane 16 ft above grade. The latter is representative of the maximum power density immediately outside of the second floor of nearby residences (assuming level terrain).

The above levels are theoretical maxima that could occur and are nor typical values. The calculations include the effect of field reinforcement from in-phase reflections, and the assumption was made that the maximum number of transmitters operates simultaneously and at maximum output power. Although the above values are obtained analytically, experience has shown that the technique used is extremely conservative. That is, the measured power density levels have always been found to be smaller than the corresponding calculated levels. Furthermore, levels inside nearby homes and buildings will be lower than those immediately outside because of the high attenuation of common building materials at these frequencies and, hence, will not be significantly different from normal ambient levels.

#### 4. Comparison with Standards

Table 2 below shows the calculated maximal RF power density levels in the vicinity of a base station: Table 3 shows the pertinent federal, state and consensus exposure limits for human exposure to RF energy. The various exposure limits range from 1,000  $\mu$ W/cm² (public exposure) to 10,000  $\mu$ W/cm² (occupational exposure), while the corresponding calculated maximum power density levels in the environment surrounding a PCS installation from operation of the antennas would be less than 1.0  $\mu$ W/cm² (at 6 ft above grade) and 1.3  $\mu$ W/cm² (at 16 ft above grade). The power density in the main beam of the antenna will be less than 10  $\mu$ W/cm² at any distance greater than 200 ft from the antennas.

Table Z

Calculated Maximal RF Power Density Levels
for a Typical PCS Base Station

| Location Power  | r Density (μW/cm²) |
|---|--------------------|
| 6 ft above grade  16 ft above grade  In the main beam, 200 ft from the antennas | < 1.3              |

<sup>1.</sup> Petersen. R.C., and Testagrossa. P.A., Radiofrequency Fields: Associated with Cellular Radio Cell-Site: Antennas. Bloelectromagnetics. Vol. 13. No. 6 (1992).

Table 3
Summary of State, Federal and Consensus Guidelines
for Exposure to Radiofrequency Energy at Frequencies
Used for PCS

| Organization/Government Agency  | Exposure<br>Population | Exposure Limit (µW/cm²) |
|---|------------------------|-------------------------|
| Occupational Safety & Health Administration                               | Occupational           | 10,000                  |
| American National Standards Institute                                     | Occupational<br>Public | 5,000<br>5,000          |
| Institute of Electrical and Electronic Engineers (ANSI/IEEE C95.1 - 1992) | Occupational<br>Public | 6,000<br>1,200          |
| National Council on Radiation Protection & Measurements                   | Occupational Public    | 5,000<br>1,000          |
| U.S. Federal Communications Commission                                    | Occupational<br>Public | 6,000<br>1,200          |
| New Jersey Administrative Code  | Public                 | 5.000                   |
| Massachusens Department of Health   | Public:                | 1,000                   |
| New York State: Department of Health                                      | Public                 | . 1,000                 |

Latest revision of ANSI C95.1 - 1982.

#### 5. Discussion of Health Standards

Recently, press coverage has suggested an association between health effects and exposure to magnetic fields from electric-power distribution lines, and from the use of hand-held cellular telephones. This press coverage has heightened concern among some members of the public about the possibility that health effects may be associated with any exposure to electromagnetic energy. Many people feel uneasy about new or unfamiliar technology and often want absolute proof that something is safe. Such absolute guarantees are not possible since it is virtually impossible to prove that something does not exist. However, sound judgments can be made as to the safety of a physical agent based on the weight of the pertinent scientific evidence. This is exactly how safety guidelines are developed.

The overwhelming weight of scientific evidence unequivocally indicates that biological effects associated with exposure to RF energy are threshold effects, i.e., unless the exposure level is sufficiently high the effect will not occur regardless of exposure duration. (Unlike ionizing radiation, e.g., X-rays and nuclear radiation, repeated exposures to low level RF radiation, or nonionizing radiation, are not cumulative.) Thus, it is relatively straightforward to derive safety limits. By adding safety factors to the threshold level at which the most sensitive effect occurs, conservative exposure guidelines have been developed to ensure safety.

At present, there are more than 10,000 reports in the scientific literature which address the subject of RF bioeffects. These reports, most of which describe the results of epidemiological studies and animal studies, have been critically reviewed by leading researchers in the field and all new studies are continuously being reviewed by various groups and organizations whose interest is developing health standards. These include the U.S. Environmental Protection Agency, the National Institute for Occupational Safety and Health, the National Council on Radiation Protection and Measurements, the

standards committees sponsored by the Institute of Electrical and Electronics Engineers, the International Radiation Protection Association under the sponsorship of the World Health Organization, and the National Radiological Protection Board of the UK. All of these groups have recently either reaffirmed existing health standards, developed and adopted new health standards, or proposed health standards for exposure to RF energy.

For example, in 1986, the National Council on Radiation Protection and Measurements (NCRP) published recommended limits for occupational and public exposure. These recommendations were based on the results of an extensive critical review of the scientific literature by a committee of the The literature selected included many leading researchers in the field of bioelectromagnetics. controversial studies reporting effects at low levels. The results of all studies were weighed, analyzed and a consensus obtained establishing a conservative threshold upon which safety guidelines should be based. This threshold corresponds to the level at which the most sensitive, reproducible effects were reported in the scientific literature. Safety factors were incorporated to ensure that the resulting guidelines would be at least ten to fifty times lower than the established threshold, even under worst-case exposure conditions. The NCRP recommended that continuous occupational exposure to PCS radio frequencies should not exceed approximately 5,000 µW/cm<sup>2</sup>, and continuous exposure of the public should not exceed 1,000 µW/cm2.

In July of 1986, the Environmental Protection Agency published a notice in the Federal Register, calling for public comment on recommended federal guidance for exposure of the public to RF energy. As of 1987 the EPA abandoned its efforts and failed to adopt official federal RF exposure guidelines. However, in 1993 the EPA, in commenting on the Federal Communications Commission's (FCC) Notice of Proposed Rule Making, recommended adoption of the 1986 NCRP limits.

Further, the maximum permissible exposure limits proposed by the Institute of Electrical and Electronics Engineers Standards Coordinating Committee SCC-28 (formerly ANSI Committee C95), were approved. by the IEEE Standards Board on September 26, 19915, and approved by ANSI on November 18, 1992. This 1992 ANSI/IEEE C95.1 guideline resulted from an extensive critical review of the scientific. literature and recommend a limit of 6,000 µW/cm<sup>2</sup> for continuous occupational exposure and 1,200 µW/cm² for continuous exposure of the public to PCS radio frequencies. (Although there are no federal safety limits, per se, in order to fulfill its obligations under the National Environmental Policy Act, the FCC requires that PCS licensees comply with the limits of the 1992 ANSI/IEEE C95.1 safety guideline°.)

More recently, the World Health Organization's International Commission on Non-fonizing Radiation Protection and the National Radiological Protection Board in the United Kingdom independently developed and published guidelines similar to those of ANSI/IEEE. Finally, what was formerly the USSR, which traditionally had the lowest exposure guides, twice has revised upward its limits for public exposure. Thus, there is a converging consensus of the world's scientific community as to what constitutes safe levels of exposure:

<sup>2.</sup> Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields, NCRP Report No. 86. National Council on Radiation Protection and Measurements, Bethesda, MD. (1986).

<sup>3.</sup> Federal Register: Vol. 51. No. 146; Wednesday, July 30, 1986;

<sup>4.</sup> Notice of Proposed Rule Making In the Matter of Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation, August 13, 1993. ET Docket No. 93-62.

<sup>5.</sup> IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields. 3 kH= to 300 GH= ANSVIEEE C95.1-1997. Institute of Electrical and Electronics Engineers. Piscataway, NJ.

<sup>6:</sup> Code of Federal Regulations: 4T CFR 24.52\_1994.

T. Electromagnetic Fields (300 Hz to 300 GHz). Environmental Health Criteria, 137. World Health Organization, Geneva. Switzerland: (1993).

<sup>8.</sup> Board Statement on Restrictions on Human Exposure to Static and Time: Varying Electromagnetic Fields and Radiation: Documents of the NRPB: Vol. 4: No. 5. National Radiological Protection Board, Chilton, United Kingdom (1993).

With respect to the proposed PCS radio antennas, be assured that actual exposure levels in the vicinity of a typical base station will be below any health standard used anywhere in the world and literally thousands of times below any level reported to be associated with any verifiable functional change in humans or laboratory animals. This holds true even when all transmitters operate simultaneously and continuously. Power density levels of this magnitude are not even a subject of speculation with regard to an association with adverse health effects.

#### 6. For Further Information

Anyone interested can obtain additional information about the environmental impact of land mobile services, including PCS, from:

Dr. Robert Cleveland, Jr.
Federal Communications Commission
Office of Engineering and Technology
Room 7002
1919 M Street NW
Washington, DC 20554
(202) 653-8169

#### 7. Conclusion

A safety analysis has been performed with respect to potential public exposure to RF energy in the environment surrounding a typical PCS base station. The analysis utilized engineering data provided by AT&T Wireless Services together with well-established analytical techniques for estimating the environmental levels of RF energy associated with PCS antennas. Worst-case assumptions were used to ensure safe-side estimates, i.e., the actual values will be significantly lower than the corresponding analytical values. The analysis indicates that the maximum level of RF energy to which the public may be exposed will meet all applicable health and safety limits.

Specifically, in all normally accessible areas surrounding a typical PCS installation, the maximum levels of RF energy associated with operation of the antennas will be 1,200 times below the public exposure limits of the 1992 ANSI/IEEE C95.1 safety guideline.

Enclosures

Figure 1 - Electromagnetic Spectrum

94-275sphx {massage therapist ok'd}

94-344x {atty} 94-413x {dentist} 95-274x {MD den'd}

11. Private colleges, et al

85-201x

12. Public utility uses

83-140xa

13. Public utility service centers

88-489sph 92-441sphxa

93-117x [elec substation]

15a. Rail passenger stations

91-409sphxa

19. Volunteer fire company

84-163spha 84-227sphx 92-302xa

20. Wireless transmitting

80-203x

248 A2 143

84-284x

354 NY2 817 405 NY2 764

86-273sphx 90-169x

387 SW2

see FCC 85-506

21. Continuing care facilities

88-89xa

90-

92-38sphxa

24. Housing for elderly

89-26x

\*\*\*see §270

cemetery

91-138xa [colum/DR 1]

93-76x [cem/mauoleum]

95-181x [DR 2]

kennel

93-272xa [den'd]

Page 5

Date: 04/25/1996/00/CDMC401.5DF (CAMASS60)GBMC451.SDF AREA # UOBULIDLES GENO-UNIT 45-REMOTE AREA #1 GUTRIGGER PROOFFEE: OFFICE OFFICE PIPE DATA (Cont.)

Q(CRIPE TAG(IN) LENGTH PRESS. Q(GPM) DIA(IN) LENGTH PRESS. C. VEL (CPENDIW (CELEV. FT NOZ. PIM. DISC. VEL (FPS) HW (C) . JET) . ELEV. SUM TOW. NODES. / PR(FT) - (K) - ((PSI)) (GPM) - (FKF.L./FT MODES (FRE)(K) 63 Piper 127 11.00 PF 0.5 -24.7 1.420 PL 11.00 PF 0.5 120 4293 7 ---5.2 PE 8.90 15.7 5.0 1. 120 FTG ---- 4 PE 7 0.0.2 -24.7 .5 .7 ... !**3.5**0 0.0 38 0.044 429.711.00.0 PV 9.4.2 0 0.0 0.0 0.044 TL 11.00 4 PV 7 0.12 0 0 Pipes PAS 4.00 PF 0.7 -15.5 1.089 PL 43 1.20 4293.7 51.2 PE 8.7.0 15.5 5.3 1 1.20 FTG 4.00 PF 0.7 -15.5 5.5 **5.6**3 T 4PE 7 0.0, 2 1 0.068 429.720 (0.0 PT 974 3 0.0 0.068 TL 10.00 PV 10.2 A.J 38 Pipe: 29 byon Fi 'v.o -15.4 1.089 PL 6.00 PF 0.8 25000 120 42937 50.2 PE 846.0 15.4 5.3 ( 120 FTG T 4PE 7 0.0 () .5.4 **:3.7**} 0.9 38 0.067 429.762.00.0 PV 9.4.2 0.0 / J.O.067 TL 12.00 4 PV. 7 0.2 3 10 -54.7 Pipe: 80 9.50 PF 1.9 -55.7 1.420 PL 9,50 PF 1.9 120 4293 7 --- 0.0 PE 9.04 0 . 0.0 . 11.3 1 120 FTG --- 4 PE. 7 0.0 2 0.0 138 0,0 39 0.198 429.7 9.403 0 PV 11.43 9 0.0 . O.198 TL 9.50 APV 7 0.9 0 : -55.7 1.420 PL ~55.7 Pipe: 131 12.00 PF 2.4 12.00 PF 2.4 0.0 1.3.93 120 42917 --- 0.0 PE 11 /3 0 0.0 11 /3 120 FTG --- /PE / 0.0 0. 0.198 429.712.00.0 PV 13.77.9 > 0.0 0.198 TL 0.0 40 12.00 (PV 7 0.9 0 Pipe: 1312 7.00 PF 1.4 -55.7 1.420 PL 7.00 PF (1.4) -55.7 0.0 1.34.05 0.198 429.7 7 00.0 PV 15/1.9 + 0.0 D.198 TL 7.00 APV (10.9) a 10.1 0.0 41 HATTA WAR Piper 33 PATC ME TO CO ~55.7. 1.420 PL 8.33 PF 1.6 120 FTG ---- PE -0.0 1.15-1.4 0.0 11.3 120 FTG ---- PE -0.0 ... 0.198 TL 8.33 APV 7 0.9:0 - 13 0.1.98 429.7 8.40.0 PV 16.07.8 (0.0 ) 43 (0.0)0.0 0.0 Pipe: 134 2.75 PV 0.0 1.089 PL 2.75 PF 0.0 120 4296.7 OR OPE 16.07.0 O.O. 0.O 120 ETG T 48E.7 0.0:0:0:1 0.0 14.20 0.000 4129.7 8.70.0 PV 16.07.0 0.00 TL 8.75 APV 7 0.010 0.0 43 Pipe: 135 12,00 PR 2,4 -55.7 ~55.7 1.420 PL 12.00 PF 2.4 120 4290.7 --- O.O PE 16.07.0 O.O. 11.3 120 ETG --- /PE / O.O.O. 0.0 1.433 0.0 45 0.198 429.712.00.0 EV 19.11.9 0.0 ; 0.198 Th 12.00 APV / 0.9 (6) Pipe: 136 2.75 PY 0.0 2.75 PF 0.0 0.0 1.089 PL () () 320 4293.7 OF 0 FE 19.1.9 0.0 0.0 120 FTG T APE / 0.0, 0 1  $D_{\infty}0$ 44 0.9 45 0.000 429.7 8.70.0 PV 19.1.0 0.0 0.000 TL 8.75 RPV 7 0.0 ( 1.420 PL -55.7 Pipe: 137 35.00 PF 8.5 36:00 RF 8.5 ~55.7 320 42937 00.0 PE 19.11.0 0.0 11.3 120 FDG TOPE 7 0.0 0 0.0 17453 0.198 TL 42.90 (PV // 0.9) 0 0.0 46 0.198 429.712.900.0 PV 27.16 9 0.0 · · Pipe: 38 1.50 - PP 0.0 10.2 1.420 PL 1.50 PF 0.0 10.2 120 42917 -- 0.0 PE 9.50 0.0 2.1 120 FRG ---- PE 7 0.0 0 6 15 0.0 1.50 APV / 0.0/16 2 2 0.009 4229.7 1.45.2 PV 9550 16.1 · · · 0.009 TL 6.1 47 Pipe: 339 12.00 PF 0.0 -5.9 1.420 PL 12.00 PF 0.0 4 43.9 120 4297.7 --- 5.2 PB 9.50, 16.1 1.2 1.120 FTG --- APB 7 0.0 0 6.1 47 0.003 429.7(2,(5).2 P7, 9.65 0 16.2 0.003 TL 12.00 APV ... 0.05 aver  $\langle i, j \rangle$ 48



Baltimore County
Department of Permits and
Development Management

Development Processing County Office Building 111 West Chesapeake Aven Towson, Maryland 21204

August 29, 1996

S. Leonard Rottman, Esquire Adelberg, Rudow, Dorf, Hendler & Sameth, LLC 600 Mercantile Bank & Trust Building Two Hopkins Plaza Baltimore, MD 21201

RE: Item No.: 32

Case No.: 97-36-X

Petitioner: Willard Hackerman

Dear Mr. Rottman:

The Zoning Advisory Committee (ZAC), which consists of representatives from Baltimore County approval agencies, has reviewed the plans submitted with the above referenced petition, which was accepted for processing by Permits and Development Management (PDM), Zoning Review, on July 23, 1996.

Any comments submitted thus far from the members of ZAC that offer or request information on your petition are attached. These comments are not intended to indicate the appropriateness of the zoning action requested, but to assure that all parties (zoning commissioner, attorney, petitioner, etc.) are made aware of plans or problems with regard to the proposed improvements that may have a bearing on this case. Only those comments that are informative will be forwarded to you; those that are not informative will be placed in the permanent case file.

If you need further information or have any questions regarding these comments, please do not hesitate to contact the commenting agency or Roslyn Eubanks in the zoning office (887-3391).

Sincerely.

W. Carl Richards, Jr.

Zoning Supervisor

WCR/re
Attachment(s)





BALTIMORE COUNTY, MARYLAND

#### INTEROFFICE CORRESPONDENCE

TO:

Arnold Jablon, Director

Date: August 9, 1996

Department of Permits & Development

Management

FROM:

pbert W. Bowling, Chief Development Plans Review Division

SUBJECT:

Zoning Advisory Committee Meeting

for August 12, 1996

Item Nos. 026, 027, 028, 031, 032, 034, 035, 036, 037, 040, 041, and

042

The Development Plans Review Division has reviewed the subject zoning item, and we have no comments.

RWB:HJO:jrb

cc: File

#### Baltimore County Government Fire Department



700 East Joppa Road Towson, MD 21286-5500 Office of the Fire Marshal (410) 887-4880

DATE: 08/07/96

Arnold Jablon
Director
Zoning Administration and
Development Management
Baltimore County Office Building
Towson, MD 21204
MAIL STOP-1105

RE: Property Owner: SEE BELOW

Location: DISTRIBUTION MEETING OF AUGUST 05, 1996.

Item No.: SEE BELOW

Zoning Agenda:

#### Gentlemen:

Pursuant to your request, the referenced property has been surveyed by this Bureau and the comments below are applicable and required to be corrected or incorporated into the final plans for the property.

8. The Fire Marshal's Office has no comments at this time, IN REFERENCE TO THE FOLLOWING ITEM NUMBERS:26,27,28,29,30,31,32,34,35,36,37,38,39 AND 41.

REVIEWER: LT. ROBERT P. SAUERWALD

Fire Marshal Office, PHONE 887-4881, MS-1102F

cc: File

Printed with Soybean Irik on Recycled Paper

MICROFILMED

BALTIMORE COUNTY, MARYLAND

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION AND RESOURCE MANAGEMENT

#### INTER-OFFICE CORRESPONDENCE

T0:

PDM

DATE: ap8,91

FROM:

R. Bruce Seeley

Permits and Development Review

DEPRM

SUBJECT:

Zoning Advisory Committee

Meeting Date:

The Department of Environmental Protection & Resource Management has no comments for the following Zoning Advisory Committee Items:

Item #'s:

RBS:sp

BRUCE2/DEPRM/TXTSBP



David L. Winstead Secretary Hal Kassoff Administrator

Ms. Joyce Watson Baltimore County Office of Permits and Development Management County Office Building, Room 109 Towson, Maryland 21204

8-5-96
Baltimore County Item No. 032 (JRA)

Dear Ms. Watson:

This office has reviewed the referenced plan and we have no objection to approval as the development does not access a State roadway and is not effected by any State Highway Administration projects.

Please contact Bob Small at 410-545-5581 if you have any Thank you for the opportunity to review this plan.

Very truly yours,

Ronald Burns, Chief Engineering Access Permits

BS



#### BALTIMORE COUNTY, MARYLAND

#### INTER-OFFICE CORRESPONDENCE

TO:

Arnold Jablon, Director

Permits and Development

Management

DATE: August 1, 1996

FROM:

Pat Keller, Director

Office of Planning

SUBJECT:

Petitions from Zoning Advisory Committee

The Office of Planning has no comments on the following petition(s):

Earl Cleur

Item Nos. 18, 26, 29, 31, 32, 34, 35, 36, 37, 39, 40, 41, and 42

If there should be any further questions or if this office can provide additional information, please contact Jeffrey Long in the Office of Planning at 887-3495.

Prepared by:

Division Chief:

PK/JL

ITEM18/PZONE/TXTJWL

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RE: PETITION FOR SPECIAL EXCEPTION \* BEFORE THE
8415 Bellona Lane, E/S Bellona Lane,
SEC Judges Lane, 8th Election District, \* ZONING COMMISSIONER
3rd Councilmanic
Legal Owner(s): Willard Hackerman \* OF BALTIMORE COUNTY
Contract Purchaser/Lessee: AT&T Wireless
Services, Inc. \* CASE NO. 97-36-X
Petitioners

#### ENTRY OF APPEARANCE

Please enter the appearance of the People's Counsel in the abovecaptioned matter. Notice should be sent of any hearing dates or other proceedings in this matter and of the passage of any preliminary or final Order.

PETER MAX ZIMMERMAN

People's Counsel for Baltimore County

role S, Demilio

CAROLE S. DEMILIO
Deputy People's Counsel
Room 47, Courthouse
400 Washington Avenue

Towson, MD 21204 (410) 887-2188

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on this 29 day of August, 1996, a copy of the foregoing Entry of Appearance was mailed to S. Leonard Rottman, Adelberg, Rudow, Dorf, 2 Hopkins Plaza, Suite 600, Baltimore, MD 21201, attorney for Petitioners.

PETER MAX ZIMMERMAN

MICROFII MED

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#### HOLD HARMLESS AGREEMENT

ATTENTION:

Vince G. Kicas, Actg. Chief,

Construction Contracts Administration Division

Baltimore County Office Building

Room 300B

Re: Philadelphia Road, MD Route #7

95-030 R.S.-1

Contract Number: 95-030 D.S.-2

#### Gentlèmen:

We the undersigned will not hold Baltimore County responsible for any additional cost to the above contract incurred because any road or right-of-way failed to meet subgrade specifications as shown on the contract drawings.

| CONTRACTOR'S SIGNATURE |
|------------------------|
| NAME OF COMPANY        |
| DEVELOPER'S SIGNATURE  |
| NAME OF COMPANY        |

APPROVED

Vince G. Kicas, Actg. Chief, Construction Contracts Administration Division

. OF BALTIMORE COUNTY \* Gase No. 97-36-X

Willard Nackerman, Legal Owner; avt's Mireless Services, Inc., Contract Lessee - Patitioners

#### PUNDINGS OF FACT AND CONCLUSIONS OF LAN

This matter comes before the Deputy Joning Commissioner as a Settlion for Special Exception for that property known as Shill Selions loss located in the virinity of Charles Street in Station. The Petition was filed by the owner of the property, Willard Suckersen, and the Contract Lease, ATAT Mireless Services, Inc., by Frances Eingsbury, Agent, through ormsy, E. Leonard Sottmen, Supplies. The Putitioners seek approval of a wireless transmitting and secolving facility at the subject location, pursuant to Section 1801.1,C.20 of the Saltimore County Zoning Regulations (B.C.Z.R.). The subject property and relief sought are more particularly evidence as Petitioner's Exhibit i.

Appearing at the hearing on Tebalf of the Vetition were Michael  $\theta_{\rm t}$ Yglasio, John Andrews, Richard Davis and Sted Fleegle with ATET Wireless Bervices, Inc., Contract Lesses, and Faul A. Gorf, Esquire, attorney for the Petitioners. There were so protestants present.

Testimony and evidence offered revealed that the subject property meniate of 6.78 acres, more or less, speed 0.8. 16 and is improved with a high-rise spartment building known as the Roston Towers. The Petitioners are desirous of locating a wireless transmitting and receiving Sacility ains the roof of the subject building in accordance with the site plan

of into evidence as Patitioner's Exhibit 1. The aits plan of the property shows the proposed facility and the approximate location of the one on the subject building. Testimony revealed that the subject building is already being used to support wireless transmitting and receiving antennee for another communication company. Furthermore, there was we County reviewing agency. It addition, the the owner of the Buston Towers existing building as opposed to the installation of a monopole or tower slowbers on the site. The Petitioners also submitted as Petitioner's Exhibit 2, the required Environmental Impact Statement, which indicates the suitability of the subject site for the proposed use.

It is clear that the B.C.Z.M. permits the use proposed in a D.M.16 zone by special exception. It is equally clear that the proposed use would not be detrimental to the primary uses in the vicinity. Therefore, It must be determined if the conditions as delineated in Section 507.1 are

The Battleman had the border of adductor testimony and evidence

which would show that the proposed use set the prescribed standards and requirements set forth in Section 502.1 of the S.C.E.R. The Publiconer has shown that the proposed use would be conducted without real detriment to the neighborhood and would not adversely affect the public interect. The facts and circumstances do not show that the proposed use at the purricular location described by Petitioner's Exhibit 1 would have any adverse impact shows and beyond that inherently associated with such a special exception use, irrespective of its location within the zone Schults v. Pritts, 432 A.26 1319 (1981).

or general welfare of the locality, nor tend to create or roads, streets, or alleys therein, nor be inconsistent with the purposes tect with the spirit and intect of the B.C.S.B.

ers that the special exception should be granted with certain restric-

Pursuant to the advertisement, posting of the property, and milis bearing on this Putition held, and for the reasons given above, the relief requested in the special exception should be granted.

THEREPORE, IT IS ORDERED by the Deputy Bosins Commissioner for Saltimore County this \_\_\_\_\_\_day of September, 1996 that the Petition for Special Exception to approve a wireless transmitting and receiving facility at the subject location, pursuant to Section 1801.1.C.20 of the Ballimore County Zoning Regulations (N.C. E.R.), and in accordance with Petitioner's Eshibit 1, be and is hereby GRAFTED, subject to the following restriction

September 11, 1996

(431) 887-4386

Feel A. Dorf. Empuire Adelberg. Endow, Dorf, Hendler & Sameth Adelberg. Endow, Engl. Hendler & Sameth Feel MoyAline Place Bellimore, Maryland 21201

Jacop, Monty-me STRITION FOR SMCIAL EXCEPTION SMCCOrner Bellons Lame and Bellons Assence (0415 Bellons Lame) Sth Election District - 2nd Councilmants District William Endocrame, Lopal Ower: All's Wireless Dervices, 150., Contract Lasses - Petilioners

Suntle Kotore TEMOTRY W. KOTROCO

Mr. Willard Hackerman 8415 Sellows Lame, Baltimore, Md. 21208

Mr. Frances Kingsbury, ATST Mirelans Services, Inc 8403 Colesville Boad, Silver Spring, Mt. 20910

Mr. Jack Andrews, Broadcast Tower Sites, Inc. 6160 East West Highway, Bothends, Md. 20816 People's Councel; Casy File

Petition for Special Exception for the property located at 3415 Belloon Lane 17-96-36-X

to the Zoning Commissioner of Baltimore County

which is presently zoned DR.16. all be title with the Office of Zooing Administration & Development Makingsment.

Living lowering of the property states in Bullmark County and which is described in the description and pair absorber is your bound. An analygophocous for Society and the County and the County and the County of Society of Society and the County and the County of Society of Society

an additional wireless transmitting and receiving facility pursuant to 1801.1.C.20

the transport being and after some forgrowths of parties for the

AT&T Wireless Services, Inc. Horphan agent 8403 Colesville Road Silver Spring, MD 20910 Baltimore, MD 21308 Adolbert, Budow, Dorf, Hendler & Sarreth, LLC

Jack Andrews Broadcast Tower Sites, Inc. 500 Mercantile Bank & Trust Building - UN ----

Description 96-36-X

To Accompany Petition for Special Exception 4.78 Acre Parcel

Northeast Side of Bellona Lane

Northwest Side of Bellong Avenue

Eighth Election District, Bultimore County, Maryland

Beginning for the same on the northeast side of Bellona Lane, 50 last wide, at the end of the second of the two following courses and distances. measured from the point formed by the intersection of the centerline of Bellona Lang with the centerline of Bellona Avenue (1) North 64 degrees 50 minutes 10. seconds West along said centerline of Bellova Lane 65 feet, more or less, and thence (2) North 85 degrees 99 minutes 50 seconds East 25 feet to the point of

beginning, thence leaving said beginning point and binding on said northeast side-of Bellona Lane (1) North 04 degrees 50 minutes 10 seconds West 1074-45 feet, thence leaving said lane (2) North 87 degrees 29 minutes 30 seconds East 115.58 fast to the southwest side of the Baltimore Beltscay - Charles Street Interchange, thence binding on the southwest and northwest sides of the said. interchange, the four following courses and distances, viz: (3) South 41 degrees 35 esimutes 20 seconds East 169.84 feet, thence (4) South 12 degrees 44 minutes 00 seconds East 288.14 feet, thence (5) South 08 degrees 30 minutes 30 seconds West 651.35 feet, and thence (6) South 47 degrees 10 minutes 20 seconds West 73.42 feet

32

97-32-X

ses and distances viz: (7) South 86 degrees 03 minutes 20 econds West 17.00 feet, and thence (8) North 49 degrees (8 minutes 20 seconds West 43.21 feet to the point of beginning; containing 4.78 scree of land, more or

THIS DESCRIPTION HAS BEEN PREPARED FOR ZONING PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONVEYANCE. June 21, 1996 Project No. W0M-11



TOHONG DEPARTMENT OF SALTIMORE COUNTY PY-32-4 District.... Edi Date of Prince 22/25 Francis to Secret Serve Signa

CENTIFICATE OF POSTING

Pourtoner . ATOT Wierly Saulies des Lucia & proper 8415 Belleve bene. Location of Spe Freing Lindbudg on properly being sweet

Pound by ..... /////// 9 Danber of Signer

Date of return 3/14/9/6

-

. CERTIFICATE OF PUBLICATION

TOWSON, MD. 8/8 1996 THIS IS TO CERTIFY, that the annexed advertisement was published as THE JEFFERSONIAN, a weekly newspaper published in Towson, Baltimore County, Md., once in each of . \_\_\_ successive weeks, the first publication appearing on 8 8 19 %

THE JEFFERSONIAN,

wo Hopkins Plata

DMW

the All on States In-

to intersect the porthuest side of Bellona Avenue, thence hinding therees the

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307 - 7.23 96

Page 1 of 2

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U. Henriss. -



#### EMPLECORI, & ETHERORITORE DRITTON ON DELETERING DELEMB DELINIC

Baltimore County noming regulations require that notice be given to the general public/reighboring property conser relative to property white it the subject of an expecting function baselon, reve those rectilities of the property and placement of a notice in at least one sewapoper of poweral circulation in the County.

PROMENT WILL BE MADE AS FOLLOWS:

- Fosting fees will be accessed and paid to this office at the time of filing.
- Billing for legal edwartzing, dis upon receipt, will come from and should be remitted directly to the messageper.

WON-PROPERT OF ADVENTURING PERS WILL STRY LIMITAGE OF BOXING OWDER.

ARROLD SARLOW, DIRECTOR

For newspaper advertising:

Tim No.: Netitioner Hills telen Secure Los Location 7415 Belleve Come Timber His mer

PLEASE FORMAD ADVERTISING BILL TO:

more Illewood Kershym Accession State 60. Mary Ble Bles Two Hydras Men Both 134 ence

Most Nation: 635 535

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Firem found billing by:

NOTICE OF HEARING

The Suning Commissioner of Malliance County, by authority of the Soning Set and Suppliations of Sairliners County, will shall a public Season on the property Sairlines to the Season Set of the County of Clince Mallians I. 18. Companies Sense in Senses. Springer 2000 of Season Seaso

0015 belium Lane, DEC Julges Lane E/F beliums Lane, DEC Julges Lane Dat Checklan (Latelot - Jet Commithene) Lepil Owner(s): William Sectorum Confront Purchasson/Lepuso: ESC Mirelane Services, Jan.

Special Scoption for an additional wireless transmitting and proofring dutility.

MERCHI: THEORY, SEPTEMBER 3, 1996 at 12/00 e.m. in from 126, 554 Courthouse,

LANGER E. SONOT BINDE CONCESSION FOR BULLTHAFE COURTS

WITER, (1) PERCHET ANY AMPROVATION HOUSEHOLD, THE STOCKE, MODIFICATION PLANE CALL SET-LOSS.

(2) FOR CHROMOTOR CONCREDE THE FILE MEANS MERCHET, PLANE CALL SET-LOSS.



(i) \*\*\*\*\*\*\*\*

Baltimore County
Department of Permits and
Development Management

County Office Building 111 West Chrispeske Ave Towson, Maryland 21204

NOTICE OF HEARING

No limiting Commissioner of Baltimore County, by entherity of the limitsy let and Republikan of Baltimore County, will hold a public bouring on the property identified beenin in more line of the County Office Ballings, 121 W. Chempuler Semin in Towns, Neyland 22204

for 116, 525 Continue, 400 Santagers Seems, Toron, Nayland 21204 or Salbana

IRE NUMBER O'-Ne's (Then II)
MAIS bellions fame
VA Bellions fame, NET Andrea Lane
VA Cherlion Handrich - Des Connectionale
Legal Sons((s)) Milliand Manhagan
Conform Terribons-(Lanese IIII Wardinas Servisons, Inc.

Special Deception for an additional wipeless transmitting and consisting decility.

SEASON: TAXING, SEPTEMBER 1, 1700 at 11.00 a.m. in from 115, 516 Continues.

Cell John



Baltimore County
Department of Permits and
Development Management

August 29, 1996

RE: Item No.: 32 Case No.: 97-26-E Petilioner: Willard Heckerman

W. Carl Richards, Jr. Soning Supervisor

SALTIBORE COURTY, MARYLAND

Armold Jablos, Director Department of Fermits & Development Date: August 9, 1996

Soning Advisory Committee Meeting for August 12, 1996 Stem Hos. 020, 027, 028, 031, 032, 034, 035, 036, 037, 040, 042, and 342

The Development Flate Seview Division has reviewed the subject poxing item, and we have no comments. 5081 H20+1+b

or: File

700 East Jopps Road Towson, MD 21286-1500

DATE: 08/07/95

Arneld Jabien broad Jabien
Director
Dening Administration and
Development Haragement
daitimore County Office Building
Toweon, MD 21204
Ball STOP-1105

REY Property Owner: SEE BELOW Lacation: DISTRIBUTION MEETING OF AUGUST 05. 1996.

Item No. : NEE BELOW

Zoning Agendal

Baltimore County Covernment Fire Department

Sentlement

- Pursuant to your request, the references property has been surveyed by this Eureau and the comments below are applicable and required to be corrected or lecoprated into the final plans for the procefty.
- The Fire Marshal's Office has no comments at this time.
   IN REFERENCE TO THE FOLIDATES ITEM NUMBERS 126, 27, 68, 29, 30, 21, 28, 20.
   IN 37, 38, 37 AND 41.

REVIEWER: LT. ROBERT P. SAUCHUN.D Fire Harshal Office, THOME 867-4081, MS-1100F

ect file

BALTIMORE COUNTY, MARYLAND DEPARTMENT OF ENVIRONMENTAL PROTECTION AND RESOURCE MANAGEMENT

INTER-OFFICE CORRESPONDENCE

DATE: dip 8 91 PON

The Department of Environmental Protection & Resource Management has no comments for the following Zoning Advisory Committee Items:

Maryland Department of Transportation State Highway Administration

Hai Kassoff

8-5-96

= Baltimore County from No. 032 (SIRA)

els. Jayoe Watson Battmore County Office of Permiss and Development Management County Office Building, Room 109 Towson, Maryland 21204

Dear Ms. Watson:

This office has reviewed the referenced plan and we have no objection to approval as the development does not across a State Roseway and is not effected by any State Highway Administration projects.

Please contact Bob Small at 410-545-5581 if you have any questions. Thank you for the opportunity to review this plan.

Very truly yours, Bob Small Ronald Surns, Chief Engineering Access Permits Division

Maryland Relay Service for Impaired Hearing or Speed 1:400-725-2258 Statewide ToT Free









