

IN RE: PETITIONS FOR SPECIAL HEARING, * BEFORE THE
SPECIAL EXCEPTION AND VARIANCE - * ZONING COMMISSIONER
N/S Tower Road, 165' W of the *
c/l Offutt Road *
(9100 Tower Road) * OF BALTIMORE COUNTY
2nd Election District *
2nd Councilmanic District * Case No. 98-55-SPHYA

Baltimore County, Maryland, Owners;
AT&T Wireless Services, Contract Lessees

* * * * *

FINDINGS OF FACT AND CONCLUSIONS OF LAW

This matter comes before the Zoning Commissioner for consideration of Petitions for Special Hearing, Special Exception and Variance filed by the owners of the subject property, Baltimore County, Maryland, by Robin L. Churchill, Administrative Officer, and the Contract Lessee, AT&T Wireless Services, by Frances Kingsbury, Agent, through their attorneys, Paul A. Dorf and S. Leonard Rottman, Esquire. The Petitioners seek approval of an amendment to the previously approved special exception and variances in prior Case No. 96-39-XA to permit the addition of a 12' x 20' concrete equipment pad with cabinets on the subject property and nine (9) antennae on top of the existing water tank. Additionally, the Petitioners request a special exception to permit the installation and operation of a wireless transmitting and receiving facility on an existing water tank, pursuant to Section 1B01.1.C.20 of the Baltimore County Zoning Regulations (B.C.Z.R.), and variance relief from Section 1B01.2.C.1.a of the B.C.Z.R. to permit a side yard setback of 10 feet in lieu of the required 20 feet, and a front yard setback of 38 feet in lieu of the required 50 feet for the proposed equipment pad. 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.

ORDER RECEIVED FOR FILING

Date

By

9/19/99

[Signature]

Appearing at the hearing on behalf of the Petitions were Michael Yglesias and Frances Kingsbury, representatives of AT&T Wireless Services, Richard I. Smith and Glenn L. Reeder, Jr., Professional Engineers with KCI Technologies, Inc., who prepared the site plan for this property, and Paul A. Dorf, Esquire, attorney for the Petitioners. There were no Protestants or other interested persons present.

Testimony and evidence offered revealed that the subject property consists of a gross area of 0.34 acres, more or less, zoned D.R. 3.5 and is the site of an elevated water tank. The property is located not far from Liberty Road in Randallstown on a site owned by Baltimore County. As noted above, this property was the subject of prior Case No. 96-39-XA, in which special exception and variance relief were granted the Petitioners and American Personal Communications (APC), a competitor of AT&T Wireless Services, for the installation of an equipment cabinet and their antennae at the base of the existing water tower on this site. In the instant case, similar relief is requested on behalf of AT&T Wireless Services as set forth above. An environmental impact statement was submitted which indicates that the proposed use is appropriate for this site and will not result in any detriment to the surrounding locale. Furthermore, there was no opposition from any adjacent property owner and there were no adverse comments received from any Baltimore County reviewing agency.

While it was noted at the hearing that APC has not yet installed their equipment on the subject site, the approval granted herein is not contingent upon APC's utilization of the property. It is appropriate for these wireless transmitting and receiving facilities to be grouped on a single site, if possible, which is being done here. Thus, the relief requested should be granted.

ORDER RECEIVED FOR FILING
Date 9/19/97
By ppp

It is clear that the B.C.Z.R. permits the use proposed in a D.R. 3.5 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).

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.

An area variance may be granted where strict application of the zoning regulations would cause practical difficulty to the Petitioner and his property. McLean v. Soley, 270 Md. 208 (1973). To prove practical difficulty for an area variance, the Petitioner must meet the following:

ORDER RECEIVED FOR FILING
Date 9/19/87
By [Signature]

1) whether strict compliance with requirement would unreasonably prevent the use of the property for a permitted purpose or render conformance unnecessarily burdensome;

2) whether a grant of the variance would do a substantial justice to the applicant as well as other property owners in the district or whether a lesser relaxation than that applied for would give sufficient relief; and,

3) whether relief can be granted in such fashion that the spirit of the ordinance will be observed and public safety and welfare secured.

Anderson v. Bd. of Appeals, Town of Chesapeake Beach, 22 Md. App. 28
(1974).

After due consideration of the testimony and evidence presented, it is clear that practical difficulty or unreasonable hardship will result if the special hearing, special exception and variance relief are not granted. It has been established that the proposed use is consistent with existing conditions on the property and is therefore appropriate. Furthermore, the relief requested will not cause any injury to the public health, safety or general welfare, and meets the spirit and intent of the B.C.Z.R.

Pursuant to the advertisement, posting of the property, and public hearing on these Petitions held, and for the reasons set forth above, the special hearing, special exception and variance relief should be granted.

THEREFORE, IT IS ORDERED by the Zoning Commissioner for Baltimore County this 19th day of September, 1997 that the Petition for Special Hearing seeking approval of an amendment to the previously approved special exception and variances in prior Case No. 96-39-XA to permit the addition of a 12' x 20' concrete equipment pad with cabinets on the sub-

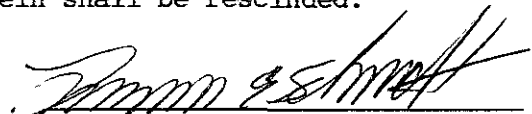
ORDER RECEIVED FOR FILING
Date 9/19/97
By [Signature]

ject property and nine (9) antennae on top of the existing water tank, in accordance with Petitioner's Exhibit 1, be and is hereby GRANTED; and,

IT IS FURTHER ORDERED that the Petition for Special Exception to permit the installation and operation of a wireless transmitting and receiving facility on an existing water tank, pursuant to Section 1B01.1.C.20 of the Baltimore County Zoning Regulations (B.C.Z.R.), in accordance with Petitioner's Exhibit 1, be and is hereby GRANTED; and,

IT IS FURTHER ORDERED that the Petition for Variance seeking relief from Section 1B01.2.C.1.a of the B.C.Z.R. to permit a side yard setback of 10 feet in lieu of the required 20 feet, and a front yard setback of 38 feet in lieu of the required 50 feet for the proposed equipment pad, 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 the 30-day appeal period from the date of this Order has expired. If an appeal is filed and this Order is reversed, the relief granted herein shall be rescinded.



LAWRENCE E. SCHMIDT
Zoning Commissioner
for Baltimore County

LES:bjs

ORDER RECEIVED FOR FILING

Date 9/19/97

By [Signature]



Baltimore County
Zoning Commissioner
Office of Planning

Suite 405, County Courts Bldg.
401 Bosley Avenue
Towson, Maryland 21204
410-887-4386

September 19, 1997

Paul A. Dorf, Esquire
S. Leonard Rottman, Esquire
600 Mercantile Bank & Trust Building
2 Hopkins Plaza, Suite 600
Baltimore, Maryland 21201

RE: PETITIONS FOR SPECIAL HEARING, SPECIAL EXCEPTION AND VARIANCE
N/S Tower Road, 165' W of the c/l Offutt Road
(9100 Tower Road)
2nd Election District - 2nd Councilmanic District
Baltimore County, Maryland, Owners; AT&T Wireless Services, Contract
Lessees - Petitioners
Case No. 98-55-SPHXA

Dear Messrs. Dorf & Rottman:

Enclosed please find a copy of the decision rendered in the above-captioned matter. The Petitions for Special Hearing, Special Exception and Variance have 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,

A handwritten signature in black ink, appearing to read "Lawrence E. Schmidt", is written over the typed name.

LAWRENCE E. SCHMIDT
Zoning Commissioner
for Baltimore County

LES:bjs

cc: Patrick Roddy, Esquire, Baltimore County Office of Law
400 Washington Avenue, Towson, Md. 21204

Mr. Frances Kingsbury, AT&T Wireless Services
8403 Colesville Road, 16th Floor, Silver Spring, Md. 20910

People's Counsel; Case Files





Petition for Special Hearing

98-55-SPHX A

to the Zoning Commissioner of Baltimore County

for the property located at

900 Tower Road
North Side of Tower Road
165'± West of Offutt Road

which is presently zoned DR 3.5

with special exception

This Petition shall be filed with the Department of Permits & Development Management

The undersigned, legal owner(s) of the property situate in Baltimore County and which is described in the description and plat attached hereto and made a part hereof, hereby petition for a Special Hearing under Section 500.7 of the Zoning Regulations of Baltimore County, to determine whether or not the Zoning Commissioner should approve an amendment to the existing Special

Exception and Variances Granted in Zoning Case 96-39XA to allow the addition of a 12' x 20' concrete equipment pad on the property in addition to Nine (9) antennas being placed on the top of the existing water tank.

The variances will remain as approved in the prior case (96-39XA)

Property is to be posted and advertised as prescribed by Zoning Regulations.

I, or we, agree to pay expenses of above Special Hearing advertising, posting, etc., upon filing of this petition, and further agree to and are to be bound by the zoning regulations and restrictions of Baltimore County adopted pursuant to the Zoning Law for Baltimore County.

Contract Purchaser/Lessee

ATT Wireless Services

(Type or Print Name)

Francis Kingsbury, Agent

Signature

8403 Coksville Rd 16th fl.

Address

Silver Spring MD 20910

City

State

Zipcode

I/We 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.

Legal Owner(s):

Baltimore County, Maryland

(Type or Print Name)

7/17/97

Signature

Fred Haman

Director of Budget And Finance

(Type or Print Name)

Signature

Attorney for Petitioner

J. Leonard Rothman/Paul A. Dorf

(Type or Print Name)

[Signature]

Signature

400 Merc Bank Bldg

Address

Phone No.

2 Hopkins Plaza

State

Zipcode

MD 21201

400 Washington Ave 410-887-3313

Address

Phone No

Towson Maryland 21204

City

State

Zipcode

Name, Address and phone number of representative to be contacted.

Patrick Roddy

Name

400 Washington Ave 410-887-4420

Address

Phone No

OFFICE USE ONLY

ESTIMATED LENGTH OF HEARING

unavailable for Hearing

the following dates

Next Two Months

ALL

OTHER

REVIEWED BY:

[Signature]

DATE

8-12-97

APPROVED PER ORDER OF

Date

By

Revised 9/5/95

RECEIVED AUG 21 1997

55



Petition for Special Exception

98-55-SPHXA
to the Zoning Commissioner of Baltimore County

9100 Tower Road-Randallstown
for the property located at North side of Tower Rd- 165' +/- West of Offutt Rd.

which is presently zoned D.R. 3.5

This Petition shall be filed with the Office of Zoning Administration & Development Management.

The undersigned, legal owner(s) of the property situate in Baltimore County and which is described in the description and plat attached hereto and made a part hereof, hereby petition for a Special Exception under the Zoning Regulations of Baltimore County, to use the herein described property for

Installation and operation on an existing water tank of a wireless transmitting and receiving facility (antennas), pursuant to Section 1 Bo1.1 C.20 of the Zoning Ordinance.

Property is to be posted and advertised as prescribed by Zoning Regulations.

I, or we, agree to pay expenses of above Special Exception advertising, posting, etc., upon filing of this petition, and further agree to and are to be bound by the zoning regulations and restrictions of Baltimore County adopted pursuant to the Zoning Law for Baltimore County.

Contract Purchaser/Lessee:

AT&T Wireless Services

(Type or Print Name)

Kingsbury agent

Signature FRANCES KINGSBURY, AGENT

8403 Colesville Road, 16th Floor

Address

Silver Spring, Maryland 20910

City

State

Zipcode

Attorney for Petitioner:

Paul A. Dorf/S. Leonard Rottman

(Type or Print Name)

S. LEONARD ROTTMAN

Signature 600 Mercantile Bank & Trust Bldg.

2 Hopkins Plaza, Suite 600 (410) 539-5195

Address Phone No.

Baltimore, Md 21201

City State

Zipcode

Legal Owner(s):

Baltimore County, Md

(Type or Print Name)

By Robin L. Churchill

Signature ROBIN L. CHURCHILL

Administrative Officer

(Type or Print Name)

Signature

400 Washington Ave (410) 887-3313

Address

Phone No.

Towson, Maryland 21204

City

State

Zipcode

Name, Address and phone number of representative to be contacted.

Patrick Roddy, Esquire

Name

400 Washington Ave., Towson, Md 21204 (410) 887-4420

Address

Phone No.

OFFICE USE ONLY

ESTIMATED LENGTH OF HEARING

unavailable for Hearing

the following dates _____ Next Two Months

ALL _____ OTHER _____

REVIEWED BY: guy DATE 8-12-97

ORDER RECEIVED FOR FILING

Date

By



Petition for Variance

98-55-SPHXA

to the Zoning Commissioner of Baltimore County

for the property located at 9100 Tower Road- Randallstown
North side of Tower Rd- 165' +/- West of Offutt Rd.

which is presently zoned D.R. 3.5

This Petition shall be filed with the Office of Zoning Administration & Development Management.

The undersigned, legal owner(s) of the property situate in Baltimore County and which is described in the description and plat attached hereto and made a part hereof, hereby petition for a Variance from Section(s)

1 B01.2 C 1.a to allow a 10' side yard rather than the required 20' side yard, and a 38' front yard rather than the required 50'.

of the Zoning Regulations of Baltimore County, to the Zoning Law of Baltimore County; for the following reasons: (Indicate hardship or practical difficulty)

To be presented at the hearing.

Property is to be posted and advertised as prescribed by Zoning Regulations.

I, or we, agree to pay expenses of above Variance advertising, posting, etc., upon filing of this petition, and further agree to and are to be bound by the zoning regulations and restrictions of Baltimore County adopted pursuant to the Zoning Law for Baltimore County.

Contract Purchaser/Lessee:

AT&T Wireless Services

(Type or Print Name)

Marketing agent

Signature FRANCES KINGSBURY, AGENT

8403 Colesville Road, 16th Floor

Address

Silver Spring, Maryland 20910

City

State

Zipcode

Attorney for Petitioner:

Paul A. Dorff/S. Leonard Rottman

(Type or Print Name)

Signature S. LEONARD ROTTMAN

600 Mercantile Bank & Trust Bldg.

2 Hopkins Plaza, Suite 600 (410) 539-5195

Address

Phone No.

Baltimore, Md

21201

City

State

Zipcode

Printed with Soybean Ink
on Recycled Paper

I/We 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.

Legal Owner(s):

Baltimore County, Md

(Type or Print Name)

By *Robin L. Churchill*

Signature ROBIN L. CHURCHILL

Administrative Officer

(Type or Print Name)

Signature

400 Washington Ave (410) 887-3313

Address

Phone No.

Towson, Maryland 21204

City

State

Zipcode

Name, Address and phone number of representative to be contacted.

Patrick Roddy, Esquire

Name

400 Washington Ave., Towson, Md 21204 (410/

Address

Phone No.

887-4420)

OFFICE USE ONLY

ESTIMATED LENGTH OF HEARING

unavailable for Hearing

the following dates _____ Next Two Months

ALL _____ OTHER _____

REVIEWED BY: *Jim* DATE 8-12-97

55

RECEIVED AUG 21 1997

ORDER RECEIVED FOR FILING

Date

By

98-55-SPHXA

DESCRIPTION

0.34 ACRE $\pm$ PARCEL

NORTH SIDE OF TOWER ROAD 165 $\pm$

NORTHWEST OF OFFUTT ROAD

PROPERTY OF BALTIMORE COUNTY, MARYLAND

Beginning for the same at a point on the north right-of-way line on Tower Road, said point of beginning being N 57° 55' W 165 $\pm$ from the center line of Offutt Road; thence running and binding on the north right-of-way line of Tower Road (1) N 57° 55' W 100.00, thence the three following a courses and distances; (2) N 25° 05' E 150.00; (3) S 57° 55' E 100.00 and (4) S 25° 05' W 150.00 to the point of beginning.

Containing 0.34 acres of land, more or less (15,000 Sq. Ft. $\pm$)

This description is for zoning purposes only and it is not intended to be used for conveyance.



SS

NOTICE OF HEARING

The Zoning Commission of the Baltimore County Board of Commissioners is hereby giving notice of the hearing and the public hearing on the application for a public hearing on the proposed rezoning of the property identified herein as follows:

Case #88-55 SP-HA
9100 Tower Road
M/S Tower Road, 155
of Mt Offutt Road,
2nd Election District
2nd Colonnade
Legal Owner(s):
Baltimore County, MD

Contract Purchase/Lease:
A & T Wireless Services
Special Hearing: to approve an amendment to the existing special exception and lease and/or to allow the installation of a 12 foot by 12 foot parabolic antenna on the property in addition to the antenna being placed on the roof of the existing water tank.

Special Exception: for installation and operation of an existing water tank of a wireless transmitting and receiving facility (antennas). Variance to allow a 10 foot side yard rather than the required 20 foot side yard and a 38 foot front yard rather than the required 50 foot.

Hearing: Wednesday, September 17, 1997 at 10:00 a.m., Room 407, Court Building, 401 Boston Avenue.

LAWRENCE E. SCHWIDT
Zoning Commissioner for Baltimore County
NOTES: (1) Hearings are held in accordance with the provisions of the Baltimore County Code, Title 21, Chapter 21-201, Section 21-201.02. For information concerning the filing and/or hearing, please call (410) 887-3333.

Reside Call (410) 887-3381
9/28/97 August 28 C168200

CERTIFICATE OF PUBLICATION

TOWSON, MD., Aug. 28, 1997

THIS IS TO CERTIFY, that the annexed advertisement was published in THE JEFFERSONIAN, a weekly newspaper published in Towson, Baltimore County, Md., once in each of 1 successive weeks, the first publication appearing on Aug. 28, 1997.

THE JEFFERSONIAN,

A. Henickson

LEGAL AD. - TOWSON

BALTIMORE COUNTY, MARYLAND
OFFICE OF BUDGET & FINANCE
MISCELLANEOUS RECEIPT

98-55

No.

042714

DATE 8-12-97 ACCOUNT 601-6150

AMOUNT \$ 650.00

RECEIVED FROM: AT&T Wireless 9100 Towce Rd

FOR: (0707850.00) SPH, K.A.

DISTRIBUTION
WHITE - CASHIER PINK - AGENCY YELLOW - CUSTOMER

Jmw

PAID RECEIPT

PROCESS ACTUAL TIME

8/12/1997 8/12/1997 09:42:41

REG 14903 CASHIER UNTIL ULM DROWER

MISCELLANEOUS CASH RECEIPT

014106

Receipt #
CR NO. 042714

650.00 CHECK

Baltimore County, Maryland

CASHIER'S VALIDATION

CERTIFICATE OF POSTING

RE: Case No.: 98-55-SPH, XA

Petitioner/Developer: Adelberg, Rudon,
Dorf, Hendler & Sameth, LLC

Date of Hearing/Closing: Sept. 17, 1997

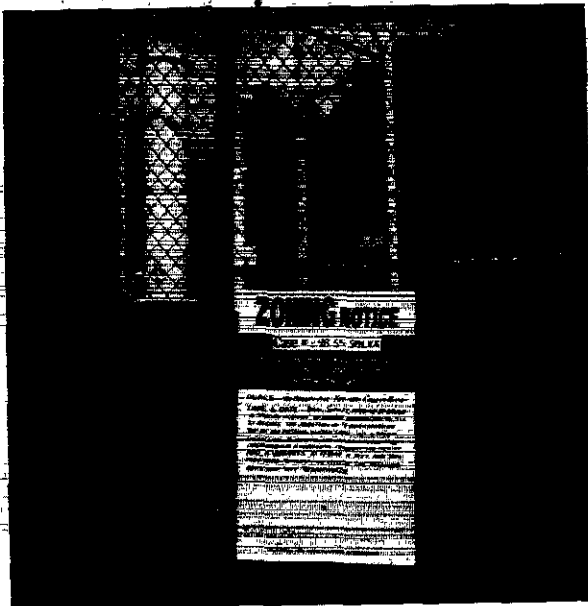
Baltimore County Department of
Permits and Development Management
County Office Building, Room 111
111 West Chesapeake Avenue
Towson, MD 21204

Attention: Ms. Gwendolyn Stephens

Ladies and Gentlemen:

This letter is to certify under the penalties of perjury that the necessary sign(s) required by law
were posted conspicuously on the property located at 9100 TOWER ROAD

The sign(s) were posted on SEPTEMBER 2, 1997
(Month, Day, Year)



Sincerely,

Doug Baum 9-3-97

(Signature of Sign Poster and Date)

Doug Baum

(Printed Name)

SHANNON-BAUM SIGNS
105 COMPETITIVE GOALS DR.
ELDERSBURG, MD 21784

(City, State, Zip Code)

410-781-4000

(Telephone Number)

Request for Zoning: Variance, Special Exception, or Special Hearing

Date to be Posted: Anytime before but no later than *

Format for Sign Printing, Black Letters on White Background:

ZONING NOTICE

Case No.: 98-55-SPH, XA

A PUBLIC HEARING WILL BE HELD BY
THE ZONING COMMISSIONER
IN TOWSON, MD

PLACE: *

DATE AND TIME: *

REQUEST: A SPECIAL HEARING TO AMEND ZONING CASE 96-39XA TO PERMIT
THE ADDITION OF 9 ANTENNAS ON TOP OF AN EXISTING WATER TANK; AND,
A SPECIAL EXCEPTION TO PERMIT THE INSTALLATION AND OPERATION OF A
WIRELESS TRANSMISSION FACILITY AND, A VARIANCE TO PERMIT A 10 FT.
AND 30 FT. SIDEWARD SETBACKS IN LIEU OF THE REQUIRED 30 FT AND
50 FT. RESPECTIVELY.

POSTPONEMENTS DUE TO WEATHER OR OTHER CONDITIONS ARE SOMETIMES NECESSARY.
TO CONFIRM HEARING CALL 887-3391.

DO NOT REMOVE THIS SIGN AND POST UNTIL DAY OF HEARING UNDER PENALTY OF LAW

HANDICAPPED ACCESSIBLE



Baltimore County
Department of Permits and
Development Management

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

98-55-SPHX A

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 (responsibility of which, lies with the petitioner/applicant) 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 advertising are satisfied. However, the petitioner is responsible for the costs associated with this requirement.

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.

ARNOLD JABLON, DIRECTOR

For newspaper advertising:

Item No.: 55

Petitioner: AT & T WIRELESS SERVICES

Location: 9100 Tower Rd.

PLEASE FORWARD ADVERTISING BILL TO:

NAME: S. LEONARD FORTMAN

ADDRESS: 600 MERCANTILE BANK & TRUST Bldg.

PHONE NUMBER: (410) 539-5195

AJ:ggs

(Revised 09/24/96)

TO: PUTNEM PUBLISHING COMPANY
August 28, 1997 Issue - Jeffersonian

Please forward billing to:

S. Leonard Rottman, Esq.
600 Mercantile Bank & Trust Bldg.
2 Hopkins Plaza
Baltimore, MD 21201
410-539-5195

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 in Towson, Maryland on the property identified herein as follows:

CASE NUMBER: 98-55-SPHXA
9100 Tower Road
N/S Tower Road, 165' +/- W of c/l Offutt Road
2nd Election District - 2nd Councilmanic
Legal Owner(s): Baltimore County, MD
Contract Purchaser/Lessee: AT&T Wireless Services

Special Hearing to approve an amendment to the existing special exception and variances granted in zoning case 96-39-YA to allow the addition of a 12 foot by 20 foot concrete equipment pad on the property in addition to 9 antennas being placed on the top of three existing water tanks.

Special Exception for installation and operation on an existing water tank of a wireless transmitting and receiving facility (antennas). Variance to allow a 10 foot side yard rather than the required 20 foot side yard and a 38 foot front yard rather than the required 50 feet.

HEARING: WEDNESDAY, SEPTEMBER 17, 1997 at 10:00 a.m., Room 407 Courts Building, 401 Bosley Avenue.

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.



Baltimore County
Department of Permits and
Development Management

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

August 22, 1997

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 in Towson, Maryland on the property identified herein as follows:

CASE NUMBER: 98-55-SPHXA
9100 Tower Road
N/S Tower Road, 165' +/- W of c/l Offutt Road
2nd Election District - 2nd Councilmanic
Legal Owner(s): Baltimore County, MD
Contract Purchaser/Lessee: AT&T Wireless Services

Special Hearing to approve an amendment to the existing special exception and variances granted in zoning case 96-39-XA to allow the addition of a 12 foot by 20 foot concrete equipment pad on the property in addition to 9 antennas being placed on the top of three existing water tanks.
Special Exception for installation and operation on an existing water tank of a wireless transmitting and receiving facility (antennas). Variance to allow a 10 foot side yard rather than the required 20 foot side yard and a 38 foot front yard rather than the required 50 feet.

HEARING: WEDNESDAY, SEPTEMBER 17, 1997 at 10:00 a.m., Room 407 Courts Building, 401 Bosley Avenue.

Arnold Jablon
Director

cc: Robin L. Churchill, County Administrative Officer
AT&T Wireless Services
Paul A. Dorf and S. Leonard Rottman

NOTES: (1) YOU MUST HAVE THE ZONING NOTICE SIGN POSTED ON THE PROPERTY BY SEPTEMBER 2, 1997.
(2) HEARINGS ARE HANDICAPPED ACCESSIBLE; FOR SPECIAL ACCOMMODATIONS PLEASE CALL 887-3353.
(3) FOR INFORMATION CONCERNING THE FILE AND/OR HEARING, CONTACT THIS OFFICE AT 887-3391.



ENVIRONMENTAL IMPACT STATEMENT

for
Randallstown Water Tank
KCI Job No. 1696013.F8

Prepared for:
AT&T Wireless Services, Inc.
11710 Beltsville Dr.
Beltsville, MD 20705

Prepared by:
KCI Technologies, Inc.
14409 Greenview Dr., Suite 102
Laurel, MD 20708

September, 1997

**PETITIONER'S
EXHIBIT** No 2





Baltimore County
Department of Permits and
Development Management

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

September 11, 1997

S. Leonard Rottman, Esquire
600 Mercantile Bank & Trust Building
2 Hopkins Plaza, Suite 600
Baltimore, MD 21201

RE: Item No.: 55
Case No.: 97-55-SPHXA
Petitioner: Baltimore County, MD

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 August 12, 1997.

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 (410-887-3391).

Sincerely,

A handwritten signature in dark ink, appearing to read "W. Carl Richards, Jr.", written over a horizontal line.

W. Carl Richards, Jr.
Zoning Supervisor

WCR/re
Attachment(s)



BALTIMORE COUNTY, MARYLAND

INTER-OFFICE CORRESPONDENCE

TO: Arnold Jablon, Director
Department of Permits
and Development Management

DATE: August 25, 1997

FROM: Arnold F. "Pat" Keller, III, Director
Office of Planning

SUBJECT: Zoning Advisory Petitions

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

Item Nos. 52, 53, 55, 56, 57, 60, 61, 62, and 64

If there should be any questions or if this office can provide additional information, please contact Jeffrey Long in the Office of Planning at (401) 887-3495.

Prepared by: Jeffrey W. Long

Division Chief: Gary L. Keno

AFK/JL



Maryland Department of Transportation
State Highway Administration

David L. Winstead
Secretary

Parker F. Williams
Administrator

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

RE: Baltimore County
Item No. *55 (JCM)*

Dear Ms. Eubanks:

We have reviewed the referenced item and we have no objection to approval, as the proposed development is not located on a State roadway and there are no impacts to any SHA facilities.

Please contact Larry Gredlein at 410-545-5606 if you have any questions. Thank you for the opportunity to review this item.

Very truly yours,

for *Bob Small*
Ronald Burns, Chief
Engineering Access Permits
Division

LG

My telephone number is _____

Maryland Relay Service for Impaired Hearing or Speech
1-800-735-2258 Statewide Toll Free

Mailing Address: P.O. Box 717 • Baltimore, MD 21203-0717
Street Address: 707 North Calvert Street • Baltimore, Maryland 21202

BALTIMORE COUNTY, MARYLAND

INTEROFFICE CORRESPONDENCE

TO: Arnold Jablon, Director
Department of Permits & Development
Management

Date: August 29, 1997

FROM: *RWB* Robert W. Bowling, Chief
Bureau of Developer's Plans Review

SUBJECT: Zoning Advisory Committee Meeting
for September 2, 1997
Item Nos. 052, 053, 055, 057,
060, and 064

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

RWB:HJO:jrb

cc: File



Baltimore County
Fire Department

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

AUGUST 25, 1997

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 25, 1997

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:

052, 055, 057, 058, 060, 062, AND 064

REVIEWER: LT. ROBERT P. SAUERWALD

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

cc: File



RE: PETITION FOR SPECIAL HEARING * BEFORE THE
PETITION FOR SPECIAL EXCEPTION * ZONING COMMISSIONER
PETITION FOR VARIANCE *
9100 Tower Road, N/S Tower Road, 165' +/- * OF BALTIMORE COUNTY
W of c/l Offutt Road, 2nd Election *
District, 2nd Councilmanic * CASE NO. 98-55-SPHXA

Legal Owner(s): Baltimore County, MD
Contract Purchaser/Lessee: AT&T Wireless Services
Petitioners

* * * * *

ENTRY OF APPEARANCE

Please enter the appearance of the People's Counsel in the above-captioned 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
PETER MAX ZIMMERMAN
People's Counsel for Baltimore County

Carole 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 3rd day of September, 1997, a copy of the foregoing Entry of Appearance was mailed to Patrick Roddy, Esq., Assistant County Attorney, 400 Washington Ave., Towson, MD 21204, attorney for Legal Owner Baltimore County, MD, and to Paul A. Dorf, Esq. and S. Leonard Rottman, Esq., 2 Hopkins Plaza, Suite 600, Baltimore, MD 21201, attorneys for Contract Purchaser/Lessee AT&T Wireless Services, Petitioners.

Peter Max Zimmerman
PETER MAX ZIMMERMAN

ADELBERG, RUDOW, DORE, HENDLER & SAMETH, LLC

ATTORNEYS AT LAW

600 MERCANTILE BANK & TRUST BUILDING
2 HOPKINS PLAZA
BALTIMORE, MARYLAND 21201

TELEPHONE
410-539-5195

TELECOPIER
410-539-5834

S. LEONARD ROTTMAN

September 18, 1997

Lawrence D. Schmidt, Esquire
Zoning Commissioner
for Baltimore County
400 Washington Avenue
Towson, Maryland 21204

Re: Case No.: 98-55-SPHXA
9100 Tower Road
AT&T Wireless Services; Site No.: B863
Our File No.: 9478-769

Dear Commissioner Schmidt:

The above referred to case came on for hearing before you on Wednesday, September 17, 1997. This will advise that I have confirmed with Ms. Gwendolyn Stevens of the Baltimore County Department of Permits & Development Management that the necessary verification of posting of the zoning Notice was received by her prior to the hearing, but after she had delivered the file for the hearing to your office. Ms. Stevens has confirmed to me that she has delivered to you the appropriate information, and the verification of posting of the Notice, and a picture of the sign to be placed in the file.

If you need anything further in connection with this matter, please let me know.

Very truly yours,



S. Leonard Rottman

SLR/als

cc: Ms. Frances Kingsbury
Paul A. Dorf

073s/at&tsch6



10 North Park Drive
Hunt Valley, MD 21030-1888
(410) 316-7800

Direct Dial Number

(410) 316-7953

September 5, 1997

Ms. Frances Kingsbury
AT&T Wireless Services, Inc.
11710 Beltsville Drive
Beltsville, Maryland 20705

Gentlemen:

Subject: AT&T Site W863.1- Randallstown Water Tank
KCI Job Order No. 16-96013-F8

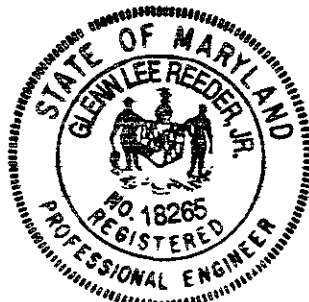
In accordance with your request, this letter is to confirm that the existing water tank can adequately support the additional weight and wind load created by the proposed AT&T antennas. In addition, the proposed structural antenna supports were designed to withstand a basic wind speed for Baltimore County of 75 mph including amplification factors for height above grade and antenna shape. The wind speed and amplification factors are in accordance with TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures" and The BOCA National Building Code/1993. Our structural computations are included herewith for your use.

If you should have any questions or need any other information concerning this project, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Glenn L. Reeder, Jr.", is written over the typed name.

Glenn L. Reeder, Jr., P.E.
Project Manager



Enclosures

File: A RANDALL.LTR

pc: Carlos Ostria, KCI
Leonard Rottman

RECEIVED
EX-101
No 3



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DESIGN _____ DATE _____ SUBJECT _____ J.O. _____
CHECK _____ DATE _____ SHEET _____ OF _____

PROJECT : RANDALLSTOWN WATER TANK
ANTENNA INSTALLATION FOR AT&T
STRUCTURAL COMPUTATIONS

DESIGNED BY: LEONARD HERBOCZEK, P.E.

CHECKED BY: BOB HEYMAN



KCI

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DESIGN LH DATE 6/10/97 SUBJECT ATT-RANDALLSTOWN W.T. J.O. 1696013 FB
CHECK BH DATE 6-13-97 SHEET 1 OF 1

DESIGN CRITERIA

- ✓ 1) ATT INTENDS TO INSTALL NINE (9) ANTENNAS ON THE RANDALLSTOWN WATER TANK. GOVERNMENT REQUIRES CALCULATIONS FOR THE ANTENNA SUPPORT AND A STABILITY CHECK FOR THE TANK
- ✓ 2) CODE & STANDARDS: BOCA 93
ACI 318-92 - STRUCTURAL CONCRETE
AISC - 9TH ED. - STRUCTURAL STEEL
- ✓ 3) DESIGN WADS: WIND VELOCITY 100 MPH, EXP. C OR 75 MPH MIN.
- ✓ 4) MATERIALS: A36 STL.

DESIGN ANTENNA SUPPORT

FROM SURVEY STRUCTURE HEIGHT = 160'

$$P_f = 25.6 \text{ PSF} \quad I = 1.0$$

$$K_{160} = 1.58 \quad G_{160} = 1.13$$

$$P = 25.6 \times 1.58 \times 1.13 = 45.7 \text{ PSF} \quad \text{TABLE 1611.9(1) - WORST CASES}$$

$$\text{FLAT SIDED MBRS. } C_p = 2.0 \quad P = 45.7 \times 2 = 91.4 \text{ PSF}$$

$$\text{ROUNDED MBRS. } C_p = 1.5 \quad P = 45.7 \times 1.5 = 68.6 \text{ PSF}$$

$$L \ 2\frac{1}{2} \times 2\frac{1}{2} \quad W = \frac{2.5}{12} \times 91.4 = 19 \text{ PLF}$$

$$2\frac{1}{2}'' \phi \quad W = \frac{12}{12} \times \frac{2.875}{12} \times 68.6 = 16.4 \text{ PLF}$$

$$\text{ANTENNA } P = 67^\# @ 93 \text{ MPH} \checkmark$$

$$67 \times \frac{100^2}{93^2} = 77.5^\# \quad \text{SAY } 100^\# @ 100 \text{ MPH!}$$

CONSERV.



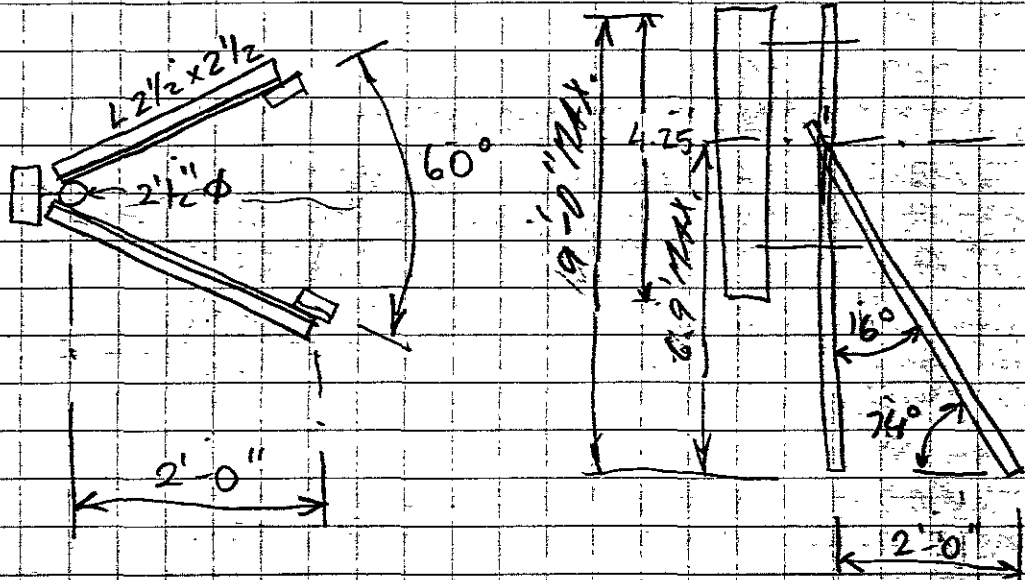
KCI
TECHNOLOGIES

OFFICE KCI TECHNOLOGIES, INC.

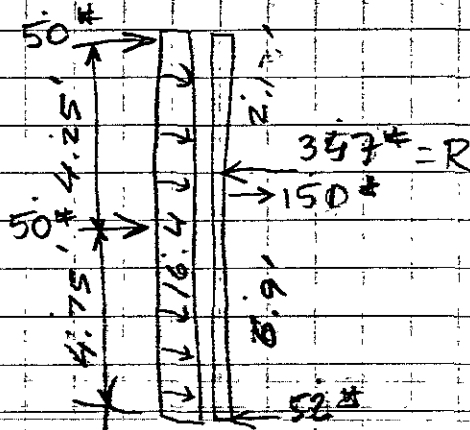
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DESIGN LH DATE 6/10/97 SUBJECT ATT-RANDALLSTOWN W.T. J.O. 1696013 FB
CHECK BH DATE 6-13-97 SHEET 2 OF



FRONTAL WIND LOADING



LOAD FROM L'S
 $\frac{1}{2} \cdot 6.9 \times 19 \times 2.12 = 157 \#$

$R = \left[\frac{16.4 \times 9^2}{2} + 50(4.75 + 9) \right] / 6.9 + 157 = 347 \#$

PIPE $M = 50 \times 2.1 + 16.4 \times 2.1^2 / 2 = 141 \#$

OR $M = 6.9 \times 16.4 / 8 + 50 \times 6.9 / 4 = 184 \#$ CONSERV.

$S_{req} = (184 \times 12) / (66 \times 35) = .118 < 1.06 \Rightarrow 2 1/2" \phi$ OK

LOAD TO SUPPORT L

$\frac{1}{2} \times 347 / (\cos 74 \times \cos 30) = 727 \#$

$L = 6.9 / (\cos 16 \times \cos 30) = 8.29'$

$K = 1.0 \quad K L / r = 8.29 \times 12 / 1.491 = 203$ L2 1/2 x 2 1/2 x 1/4

$F_a = 3.73 \text{ KSI} \quad F_a \times A = 3.73 \times 1.19 = 4.4 \text{ K} > .821 \text{ OK}$



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CHECK 34 DATE 6-13-97 SHEET 3 OF 3

LOAD FROM L'S: PROJECTED L = $6.9 / \cos 16^\circ = 7.18'$

$$19 \text{ PLF} \times 2.18' / 2 = 683 \#$$

$$R = [16.4 \times 9 / 2 + 50(4.75 + 9)] / 6.9 + 68 = 264 \text{ k}$$

$$269 / (\cos 60^\circ \times \cos 74^\circ) = 1916^\# < 4400^\# \text{ OK}$$
$$\frac{3}{16} \times 3 \times 70 \times \cos 45^\circ = 2.78 \text{ kN}$$

1" OF WELD REQ'D ✓

9 (ANTENNA + FRAME LOAD)

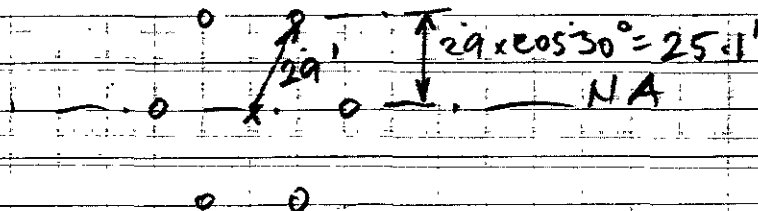
$$9(347+52) = 3591$$

✓ MAX. ADDITIONAL WIND LOAD ON TANK, APPLIED
@ 5' ABOVE TOP OF TANK.

ADDITIONAL OVERTURNING MOMENT

$$165' \times 359' = 592515'$$

SUPPORT PATTERN



ADDITIONAL TENSION OR COMPRESSION TO SUPPORT POINT

$$\frac{1}{2} \times 592515 / (25.1 \times 2) = 5907.4$$

ADDITIONAL LOAD TO FOOTING $5901 / 13' \times 13' = 35 \text{ PSF}$

TYPICAL LOW ALLOWABLE SOIL PRESSURE IS 2000 PSF

MAX. % OVERSTRESS IN BEARING $\frac{35}{2000} \times 100 = 1.75\% < 5\%$
 $\Rightarrow$ ACCEPTABLE ✓



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DESIGN LH DATE 6/11/97 SUBJECT ATT RANDALLSTOWN W.T. J.O. 1696013 FB
CHECK BH DATE 6-12-97 SHEET 4 OF 4

ADDITIONAL TENSION TO ANCHOR BOLTS

$$5901 / 2 \text{ BOLTS} = 2951 \#$$

$$\text{TENSILE CAP. OF } 1\frac{3}{8}" \phi \text{ A36} = 28.4 \text{ K}$$

$$\text{MAX. \% OVERSTRESS } \frac{2951}{28400 \times 1.33} \times 100 = 7.8\% > 5 \text{ N.G.}$$

⇒ A THOROUGH CHECK IS REQUIRED

DETERMINE MAXIMUM MOMENT THAT CAN BE RESISTED BY ANCHOR BOLTS

$$M = 4 \text{ BOLTS} \times 28400 \# \text{ CAPACITY} \times 1.33 \text{ WIND} \times (25.1' \times 2) = 7603627 \text{ LB-FT}$$

$$\text{MOMENT DUE TO ANTENNAS} = 592515$$

$$7011121$$

MOMENT FROM FRAMEWORK AND STANDPIPE

(ALL SIZES ESTIMATED FROM PHOTOGRAPHS)

LEG $W 12" \times 12"$

1" ϕ ROD BRACING

L 4" $\times$ 4" HORIZONTAL MBRS. @ $\sim \frac{120'}{5} = 24'$ (SPACING OF HORIZ'S)

6' ϕ STANDPIPE COLUMN

PROJECTED WIDTH $2 \times 29' = 58'$

HEIGHT OF FRAMEWORK 120'

GROSS AREA PER 24' SECTION

$$58' \times 24' = 1392 \text{ Ag}$$

SOLID AREA PER 24' SECTION

$$4 \times 1' \times 24' \text{ COLUMNS} + \frac{4"}{12} \times 29' \times 2 \times \frac{1"}{12} \times 38' \times 6 \text{ ROD} = 134 \text{ As}$$

$$As / Ag = 134 / 1392 = .097 < .1$$

TABLE 1611.9 (1)

FLAT MBRS. $C_p = 2.0$

$P = 91.4 \text{ PSF (R.I.)}$

ROUND MBRS. $C_p = 1.2$

$P = 45.7 \times 1.2 = 54.8$

LOAD TO W12

$$1' \times 91.4 = 91.4 \text{ PLF}$$

↳ CONSERV.

L 4

$$\frac{4"}{12} \times 91.4 = 30.5$$

1" ϕ

$$\frac{1"}{12} \times 54.8 = 4.6$$

LADDER

$$\text{SAY } 91.4 \text{ PLF}$$

6' STANDPIPE COLUMN TABLE 1611.9 (4)

$$D (P_v / K_z)^{1/2} = 6 (100 \times 1 \times 1.58)^{1/2} = 75.4 \quad h/D = 120/6 = 20$$

$$C_p = .872$$

$$\text{LOAD} = .872 \times 6' \times 45.7 = 239 \text{ PLF}$$



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DESIGN LH DATE 6/11/97 SUBJECT ATT RANDALLSTOWN W.T. J.O. 1696013FB
CHECK BH DATE 6-12-97 SHEET 5 OF

OVERTURNING MOMENT DUE TO LATTICEWORK & STANOPIPE COLUMN

$$\left[\left(\frac{1}{12} \times 38' \times 6 \text{ RODS} / 24' \right) \times 4.6 \text{ PCF} + 4 \text{ COL'S} \times 91.4 \text{ PCF} + 91.4 \text{ LAL} + 30.5 \text{ PCFL'S} \times 58' / 24' \right] \times 120'^2 / 2 + 239 \times 120'^2 / 2 = 5568120 (1\#)$$

REMAINING CAPACITY FOR TANK

$$\begin{array}{r} 7011112 \\ - 5568120 \\ \hline 1442992 \end{array}$$

CALCULATE PROJECTED AREA OF TANK

$$300000 \text{ GAL} = x \cdot 1.3378 = 40134 \text{ Ft}^3$$

ASSUME TANK 2/3 FULL

$$x \cdot 1.3378 = 53512 \text{ Ft}^3$$

ASSUME CYLINDRICAL SHAPE $\phi = 58'$

$$V = \frac{4}{3} \pi r^3 \rightarrow r = \sqrt[3]{\frac{.75 V}{\pi}} = \sqrt[3]{\frac{.75 (53512)}{\pi}} \quad h = \frac{4 \times 53512}{\pi \times 58^2} = 20.25'$$

$$\text{PROJECTED AREA} = 58' \times 20.25' = 1175 \text{ Ft}^2$$

$$h / D = 20.25 / 58 = .35 < 1 \Rightarrow C_p = .7 \text{ OK}$$

$$\text{FORCE} = 45.7 \times .7 \times 1175 \text{ Ft}^2 = 37588 \#$$

$$\text{MOMENT} = 37588 \# \times \left(160' - \frac{20.25'}{2} \right) = 5633539 \# \text{ ft} > 5574676 \text{ OK}$$

$$> 1442992 \Rightarrow \text{NG} \Rightarrow$$

TANK WAS NOT DESIGNED FOR 100 MPH WIND!

CHECK FOR 75 MPH WIND VELOCITY

$$P_v = 14.4 \text{ PSF}$$

$$\text{ANTENNA + FRAME WAD} = 3591 \# (P.3) \times \frac{14.4}{25.6} = 2020 \#$$

$$\text{ANTENNA MOMENT} = 2020 \times 165' = 333290 \# \text{ ft}$$

$$\text{ADDITIONAL LOAD TO SUPPORT} = \frac{333290}{2 \times 28400 \times 1.33} = 3320 \#$$

$$\text{MAX. OVERSTRESS IN ANCHOR BOLT} = \frac{3320}{2 \times 28400 \times 1.33} \times 100 = 4.4\% < 5\%$$

$\Rightarrow \text{OK}$



KCI

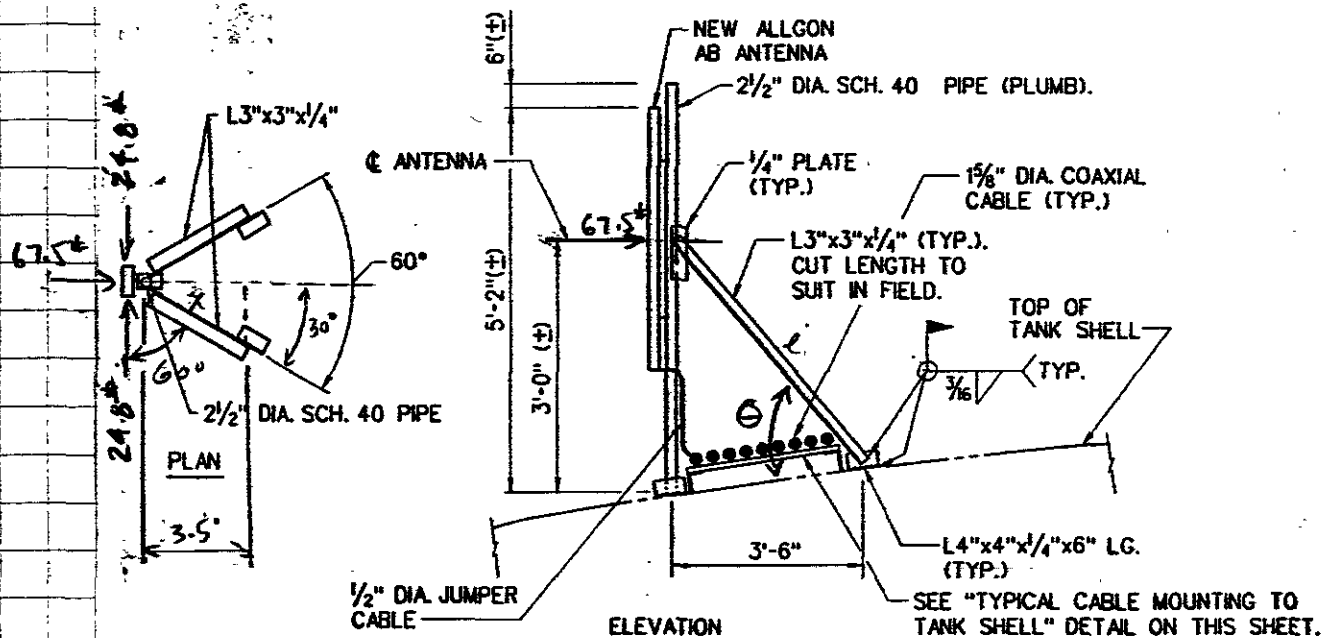
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DESIGN OK DATE 9/5/97 SUBJECT Typical AT&T Antenna J.O. 1696013 F8
CHECK BAT DATE 9-8-97 Mount on Water Tank SHEET 1 OF 1



ANTENNA MOUNTING FRAME DETAIL
NOT TO SCALE

check frame for max wind load which antenna can survive. From cut sheet, use 300 N and 110 N.

$$300 \text{ N} (0.225 \text{ #/N}) = 67.5 \text{ #} \quad 110 \text{ N} (0.225) = 24.8 \text{ #}$$

$$[P(\cos \theta)] \cos 30^\circ = 67.5 \text{ #}$$

$$x = 3.5' / \cos 30^\circ = 4.04' \rightarrow \therefore l = [(4.04')^2 + (3')^2 + (3.5')^2] = 6.13' = 73.6"$$

$$\theta = \tan^{-1}(3'/4.04') = 36.6^\circ$$

$$\therefore P = 67.5 \text{ #} / (\cos 30^\circ)(\cos 36.6^\circ) = 97.1 \text{ #}$$

$$L 3 \times 3 \times 1/4: \quad Kl/r = 73.6' / 0.592 = 124.2$$

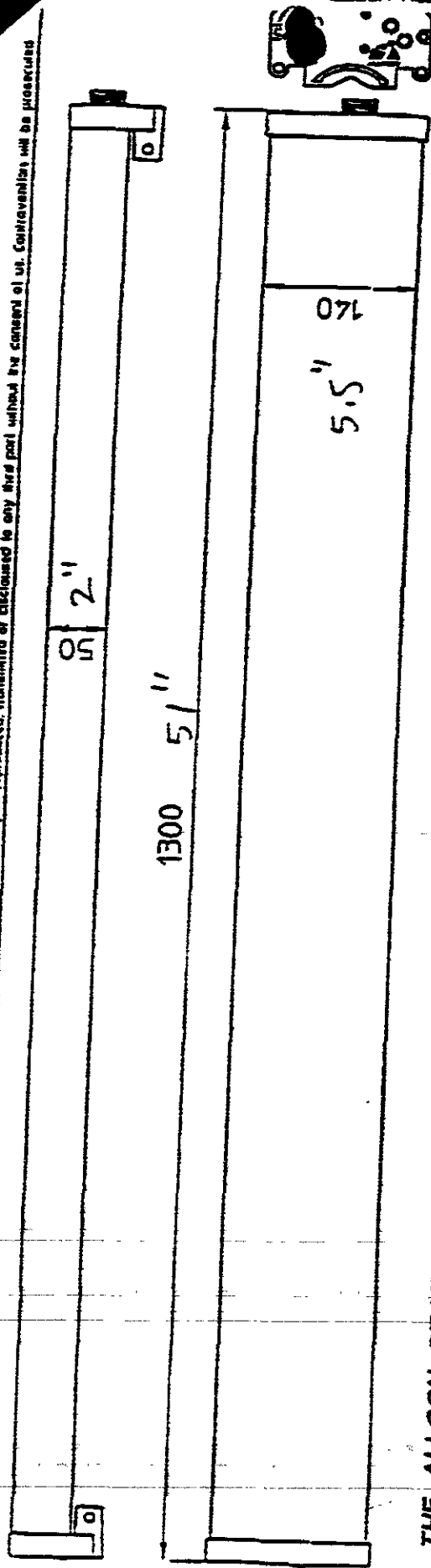
$$F_a = 9.66 \text{ ksi}$$

$$P_a = (9.66 \text{ ksi})(1.44 \text{ in}^2) = 13.9 \text{ K} \gg 0.097 \text{ K} \dots \text{OK}$$

$$L 2 \times 2 \times 1/4: \quad Kl/r = 73.6' / 0.391 = 188.2$$

$$F_a = (4.22 \text{ ksi})(0.438 \text{ in}^2) = 1.85 \text{ K} \gg 0.097 \text{ K} \dots \text{OK}$$

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THE ALLGON SECTOR ANTENNA POMPOS TYPE 7182, 7184

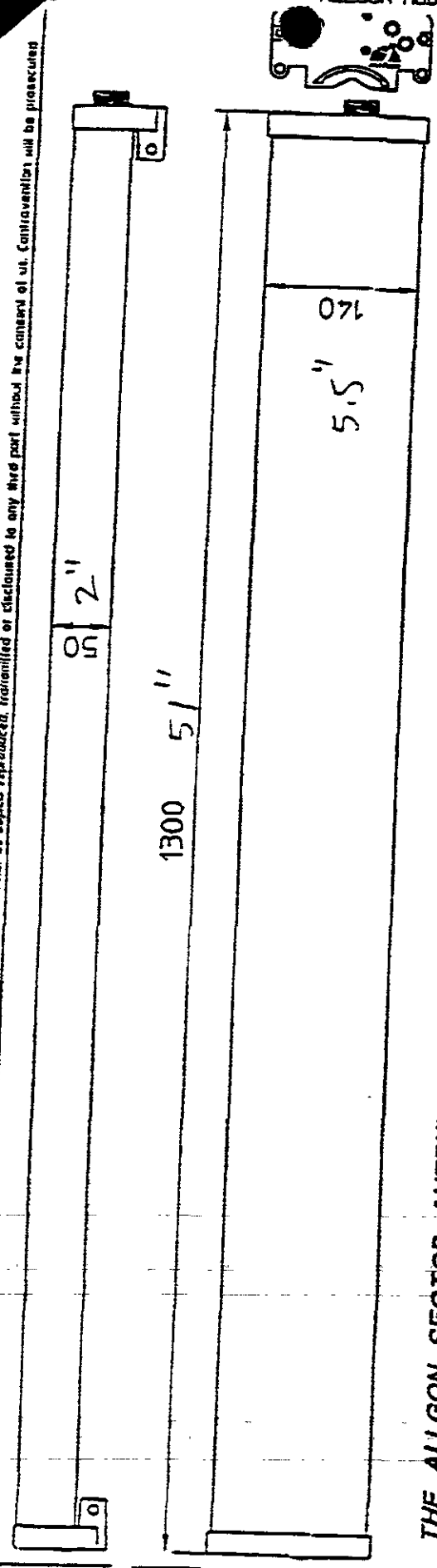
MECHANICAL SPECIFICATION

Max wind area:	0.18 sq.m (1.9 sq.ft)
Max wind load @ 150 km/h (93 Mph):	300 N (67 lbf)
Lateral Thrust @ 150 km/h (93 Mph):	100 N (25 lbf)
Survival wind speed:	70 m/s (252 km/h or 156 Mph)
Weight:	4.4 kg (10 lbs)

REV	NO	DATE	SIGN
1	10047	960117	WB

Scale	1:5	Drawn	A4	940826 WB	Checked	El.	Checked	Mac
Approved								
ALLGON SYSTEM AB SWEDEN		Title			Allgon sector antenna PCN/PCS type 7182, 7184			
		Page			1 (1)			
		Drawing number			7182.0020			
		Revision			A1			

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THE ALLGON SECTOR ANTENNA PON/POS TYPE 7182, 7184

MECHANICAL SPECIFICATION

- Max wind area: 0.18 sq.m (1.9 sq.ft)
- Max wind load @ 150 km/h (93 Mph): 300 N (67 lbf)
- Lateral Thrust @ 150 km/h (93 Mph): 110 N (25 lbf)
- Survival wind speed: 70 m/s (252 km/h or 156 Mph)
- Weight: 4.4 kg (10 lbs)

REV	NO	DATE	WB
1	10047	960117	WB

Scale	1:5	A4	Drawn	940826 WB	Checked	EL	Tracked	REC
ALLGON SYSTEM AB	SWEDEN	ALLGON	File	Allgon sector antenna				
			Page	1 (1)	Serial no	7182.0020A1		
			Drawing number	7182.0020				
			Revision	A1				

98-55-SPHXA

D.R.35

SUBJECT

Beginning ☐
Point ☐
N 24050
W 32445

RR

BR-A5

OFFUTY

D.R. 3.5

WILBUR

BAYER

AVE

CARROLL

FILE

RAJAPALAYAM
D.P. 3.5
SCHOOL

MARIA

MARCELLA

PC

7

RESEARCH

BALTIMORE COUNTY
ZONING MAP NW 7-I

001-11756

THE