

**PETITION OF AT&T WIRELESS TO THE  
CONNECTICUT SITING COUNCIL FOR  
A DECLARATORY RULING THAT NO  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED  
IS REQUIRED TO CONSTRUCT  
A 55' "TOWER" FACILITY AT 111 MIDDLE  
TURNPIKE, MANSFIELD, CONNECTICUT**

**PETITION NO. \_\_\_\_  
APRIL 30, 2003  
Docket No. 247/PE 626 AT&T  
Exhibit 4**

**PETITION FOR DECLARATORY RULING  
111 MIDDLE TURNPIKE, MANSFIELD, CONNECTICUT**

**I. Introduction**

AT&T Wireless PCS, LLC ("AT&T") hereby petitions the Connecticut Siting Council ("Council") pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("R.C.S.A.") for a declaratory ruling that a Certificate of Environmental Compatibility and Public Need ("Certificate") is not required under the provisions of Connecticut General Statutes ("C.G.S.") Section 16-50k to construct a "tower" at 111 Middle Turnpike, Mansfield, Connecticut. AT&T will place a 55' wood laminate pole with three antennas flush mounted to the pole, and construct other equipment at grade (the "Facility") on an approximately 10 acre parcel of property. AT&T respectfully submits that the new "tower" and Facility proposed by AT&T present no significant adverse environmental impacts which would otherwise warrant review by the Council in a full docket and Certificate proceeding. As such, AT&T respectfully requests a declaratory ruling that its construction of the Facility does not require a Certificate.

**RECEIVED**  
**MAY - 2 2003**  
**CONNECTICUT  
SITING COUNCIL**

## **II. Site Search Summary and RF Need**

A facility is needed by AT&T in the Mansfield Depot area to provide services in conjunction with other existing and proposed AT&T facilities in Coventry and Mansfield. AT&T targeted two existing smokestacks for installation of a facility in order to provide its services in the Mansfield Depot area without the need for a new tower structure. Repeated efforts by AT&T to lease space on the smokestacks which are located on UCONN's Depot Campus were rejected by UCONN. It is AT&T's understanding that UCONN has plans to demolish the smokestacks and redevelop that portion of the Depot Campus. UCONN was willing to consider development of a traditional tower structure in another area of the Depot Campus. The location discussed with UCONN was eliminated from consideration by AT&T because it would have required a taller tower in a cleared area with little or no natural screening with greater overall visibility than the 55' wood laminated pole proposed by AT&T in this Petition. The Department of Corrections was unwilling to consider construction of any wireless facility on property it maintains in the Mansfield Depot area.

## **III. 111 Middle Turnpike Property**

The property at 111 Middle Turnpike is an approximately 10 acre parcel improved with a residence, garage, and barn owned by Burnham and Megan Thompson. A field with interspersed mature trees extends behind the buildings toward the rear of the property and mature trees surround much of the parcel along the property lines. The property itself is located near the junction of State Routes 32 and 44 (a/k/a Middle Turnpike) across from the UCONN Depot Campus.



#### **IV. Proposed AT&T Facility**

AT&T is licensed by the Federal Communications Commission ("FCC") to provide PCS services in this area of the State of Connecticut. As shown on the enclosed plans prepared by URS Corporation, including a site access map, compound plan and elevation, AT&T proposes to place one 55' wood laminate pole in the northern corner at the rear of the property and to install three panel antennas, flush mounted, at the 52.5' level of the pole. Pictures of similar types of installations to the one proposed (not necessarily the same height and likely higher than as proposed) are enclosed for the Council's reference as Exhibit A. The laminate pole is similar in many respects to the larger telephone poles sometimes used by SNET and CL&P in the State. Associated equipment cabinets will be installed on 7' x 13' concrete pad located at the base of the pole surrounded by an 8' chain link fence. Access and utilities would be extended from an existing driveway to the compound.

#### **V. Municipal Consultation**

AT&T representatives have periodically met with Town Officials to discuss their need for facilities in the Town of Mansfield. In the Mansfield Depot area, AT&T discussed with the Town its desire to site a facility on the UCONN smokestacks. The Town expressed to UCONN its interest in having UCONN consider installation of the AT&T facility on an existing structure at the Depot Campus. AT&T representatives have also discussed with the Town Planner the proposal in this Petition and the lack of meaningful alternatives.

**VI. Notice to Abutters**

In addition, a letter discussing the proposal and including a copy of the petition has been sent to the abutting property owners, other than the State of Connecticut, advising them that they may submit comments directly to the Council. See Exhibit B. Of note, the State of Connecticut owns the property closest to the proposed facility.

**VII. The Proposed Modifications Will Not Have a Substantial Adverse Environmental Effect.**

A comparison of existing and proposed conditions reveals no substantial adverse environmental impacts associated with AT&T's Facility. The surrounding area is sparsely developed and the topography and existing vegetation will conceal the pole to such an extent that there will be little or no visual impact. See aerial photograph annexed hereto as Exhibit C. Moreover, the proposed Facility will not create a structure in the landscape that is out of scale vertically with its surroundings and will permit AT&T to provide wireless services to the public without the need to build a traditional tower facility in this area of Mansfield.


The Facility will be constructed in an already disturbed area and the limits of disturbance of all construction activities will be confined to the extent possible. The access drive will utilize the property owner's existing driveway, and then run along the edge of the cleared field. Utilities will be extended underground generally along the access drive. Erosion and sediment control measures will be installed in accordance with the "Connecticut Guidelines for Soil Erosion and Sediment Control" and amendments, as published by the Connecticut Council on Soil and Water Conservation.

The operation of AT&T's antennas will not increase the total radio frequency electromagnetic power density at the site to a level at or above the applicable standards. As set forth in an Emissions Report prepared by Galen Belen, RF Engineer, annexed hereto as Exhibit D, the total radio frequency power density at the boundary of the site will not be at a level at or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and the MPE limits established by the Federal Communications Commission.

#### **VIII. Conclusion**

AT&T will not need to construct a traditional telecommunications tower facility to provide coverage along Middle Turnpike in the Mansfield Depot area should the placement of the proposed wood laminate pole be approved. For all the foregoing reasons, AT&T petitions the Connecticut Siting Council for a determination that the Facility as proposed does not require a Certificate of Environmental Compatibility and Public Need and that the Council issue an order approving same. To the extent that the Council believes a hearing may be necessary or warranted prior to ruling on this Petition, we respectfully submit that it be scheduled and held simultaneously with the pending AT&T Certificate application in Docket No. 247 which has been scheduled for a June 17, 2003 public hearing in the Town of Mansfield.

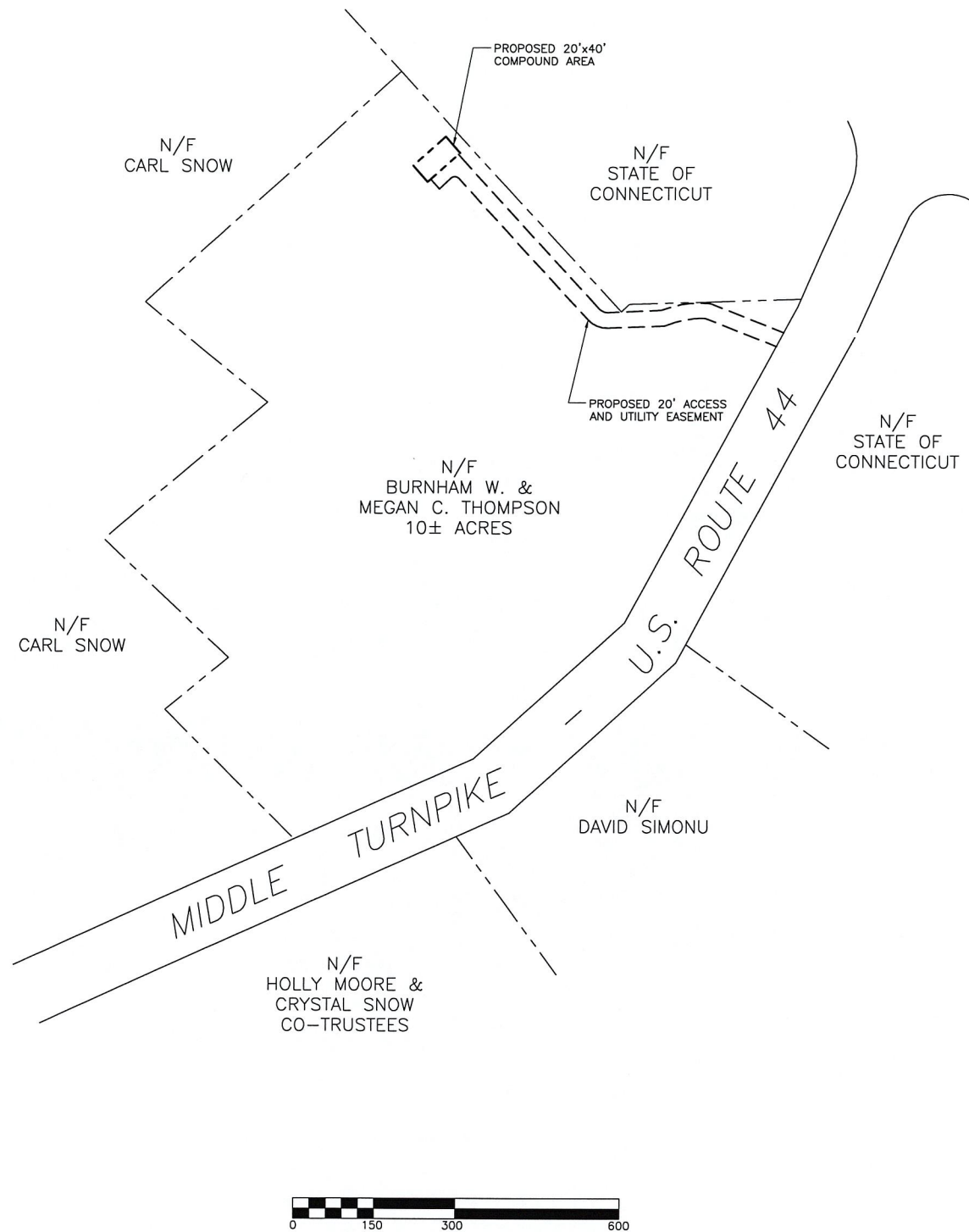
Respectfully Submitted,



Christopher B. Fisher

cc: Martin Berliner, Town Manager, Town of Mansfield  
Gregory Padick, Town Planner, Town of Mansfield  
Burnham & Megan Thompson  
Jennifer Young Gaudet





## ABUTTERS MAP

DATE: APRIL 23, 2003

# URS

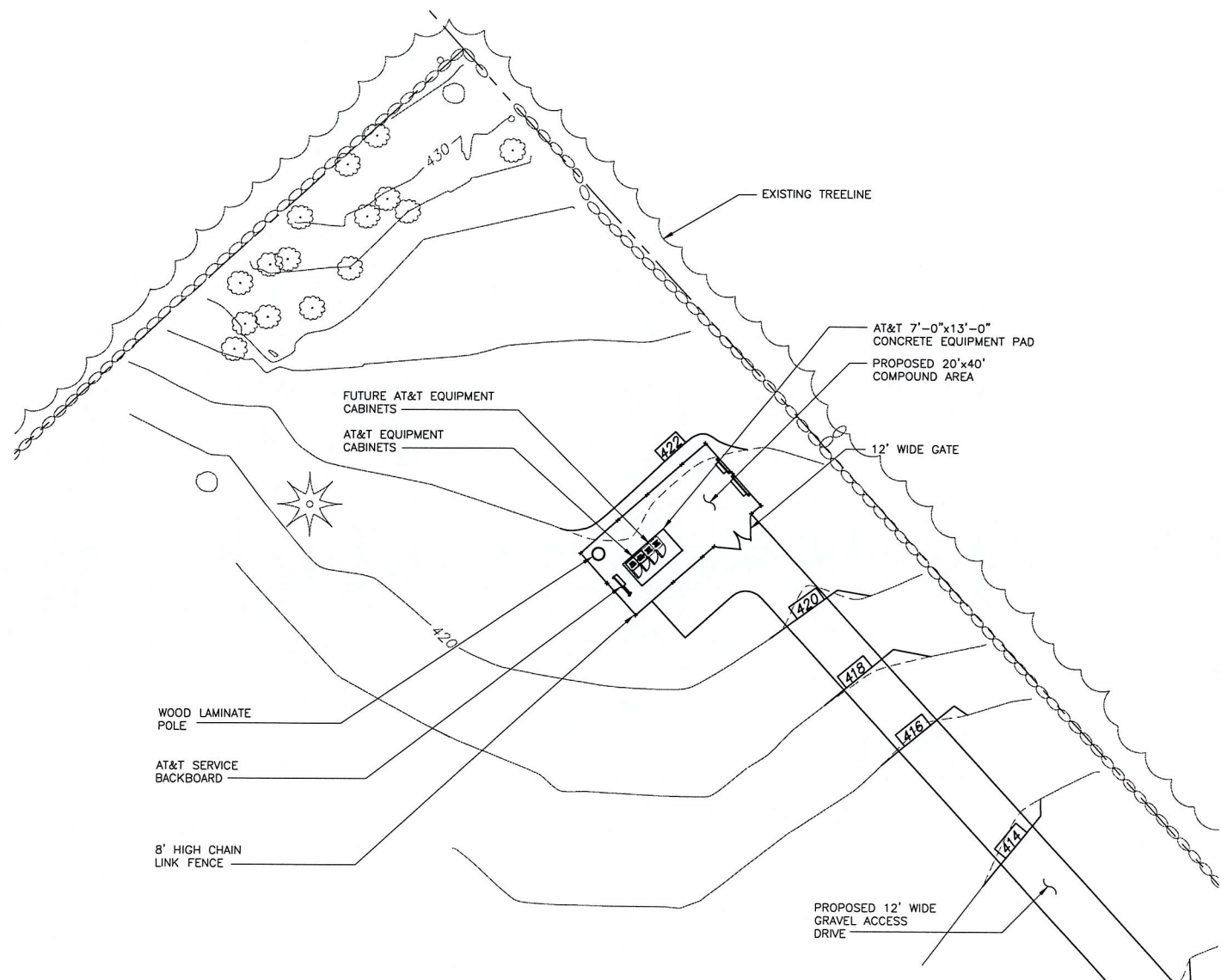
URS CORPORATION-AES  
795 BROOK STREET, BLDG 5  
ROCKY HILL, CT. 06067  
1-(860)-529-8882  
1-(860)-529-5566 (FAX)  
PROJECT #:BA1021/F03-CT-821

**AT&T WIRELESS PCS, LLC**  
MANSFIELD DEPOT  
SITE A  
111 MIDDLE TURNPIKE  
MANSFIELD, CONNECTICUT 06268









1 COMPOUND PLAN  
SC-2 SCALE: 1" = 40'-0"



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1-(860)-529-8882  
1-(860)-529-5566 (FAX)



**AT&T**

AT&T WIRELESS PCS LLC  
12 OMEGA DRIVE  
STAMFORD, CONNECTICUT 06902

DRAWING TITLE:

COMPOUND PLAN

PROJECT INFORMATION:

MANSFIELD DEPOT  
SITE A  
111 MIDDLE TURNPIKE  
MANSFIELD, CT

PROPERTY OWNER:

BURNHAM & MEGAN THOMPSON  
111 MIDDLE TURNPIKE  
MANSFIELD, CT 06268

DRAWING TITLE:

907-007-821A-SC2

REVISION NO. 2

DRAWN BY: JCF

DATE ISSUED: 04/23/03

CHECKED BY: JCF

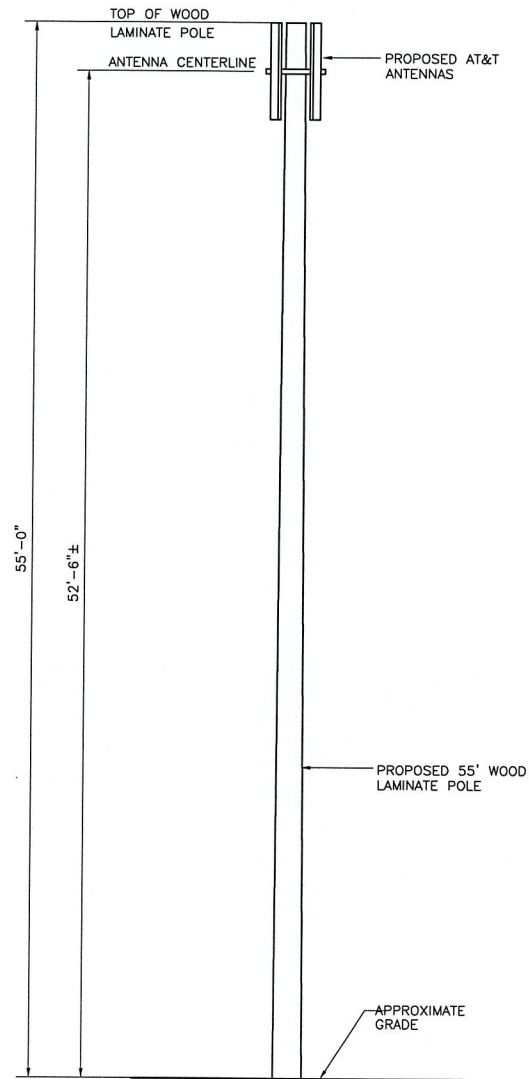
SCALE: AS NOTED

APPROVED BY:

SHEET NO. 2 OF 3

URS JOB NO.: BA1021 (36912914)





1  
SC-3

**POLE ELEVATION**

SCALE: 1" = 10'-0"



**URS**

URS CORPORATION-AES  
795 BROOK STREET, BLDG 5  
ROCKY HILL, CT. 06067  
1-(860)-529-8882  
1-(860)-529-5566 (FAX)



**AT&T**

AT&T WIRELESS PCS LLC  
12 OMEGA DRIVE  
STAMFORD, CONNECTICUT 06902

DRAWING TITLE:

TOWER ELEVATION

PROJECT INFORMATION:

MANSFIELD DEPOT  
SITE A  
111 MIDDLE TURNPIKE  
MANSFIELD, CT

PROPERTY OWNER:

BURNHAM & MEGAN THOMPSON  
111 MIDDLE TURNPIKE  
MANSFIELD, CT 06268

DRAWING TITLE:

907-007-821A-SC3

REVISION NO. 2

DRAWN BY: JCF

DATE ISSUED: 04/23/03

CHECKED BY: JCF

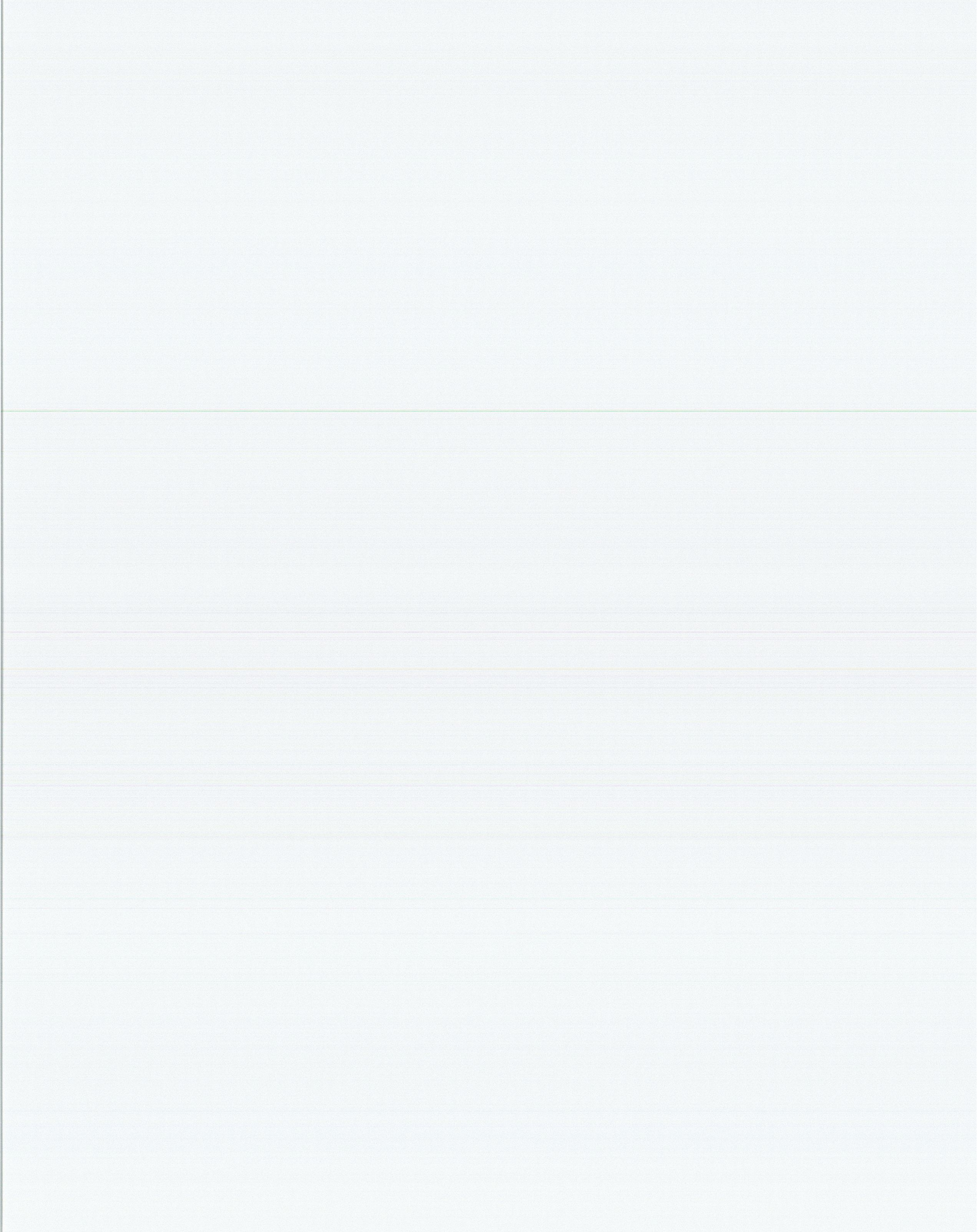
SCALE: AS NOTED

APPROVED BY:

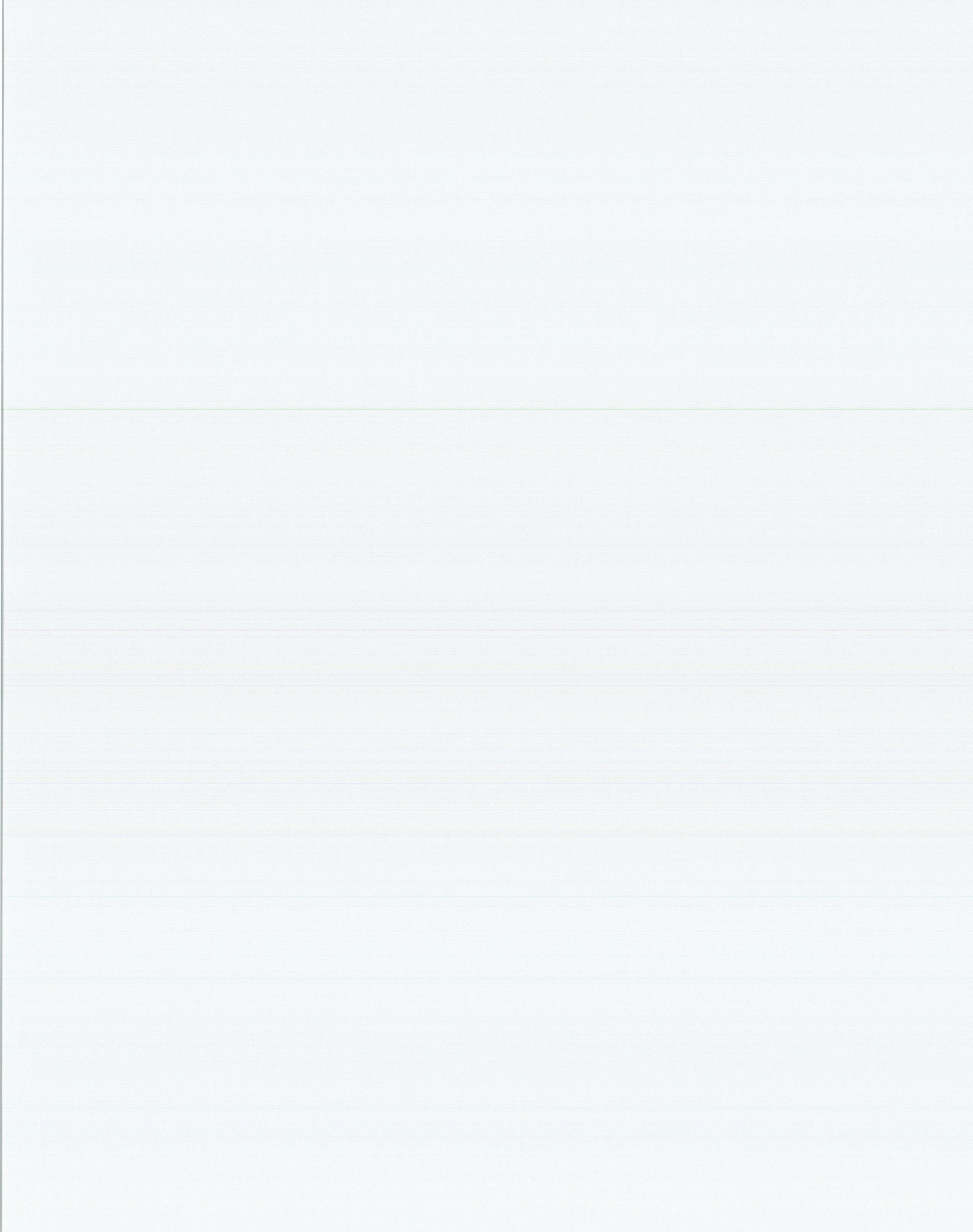
SHEET NO. 3 OF 3

URS JOB NO.: BA1021 (36912914)











**CUDDY & FEDER & WORBY LLP**

90 MAPLE AVENUE  
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300  
TELECOPIER (914) 761-5372/6405  
www.cfwlaw.com

500 FIFTH AVENUE  
NEW YORK, NEW YORK 10110  
(212) 944-2841  
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER  
300 SOUTH LAKE DRIVE  
FISHKILL, NEW YORK 12524  
(845) 896-2229  
TELECOPIER (845) 896-3672

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JOSHUA E. KIMERLING (also CT)  
DANIEL F. LEARY (also CT)  
BARRY E. LONG

April 30, 2003

Carl Snow  
PO Box 75  
Mansfield Depot, Connecticut 06251

Re: AT&T Wireless  
Connecticut Siting Council Petition  
Proposal to Install a Wood Laminate Pole Facility  
111 Middle Turnpike, Mansfield, Connecticut

Dear Mr. Snow:

I am writing to you on behalf of AT&T Wireless. Simultaneous to writing to you, AT&T has applied to the State of Connecticut Siting Council to install a wood laminate pole on property which abuts or is across Middle Turnpike from property you own. Enclosed you will find a copy of AT&T's petition which will be on file at the State Siting Council.

As noted in the petition, AT&T is proposing to install a 55' wood laminate pole with three antennas flush mounted at the 52.5' level of the pole and associated equipment at grade within an 8' fenced compound. The wood laminate pole and associated equipment will be located in the northern corner at the rear of the property owned by the Thompson's at 111 Middle Turnpike. The proposed wood laminate pole facility would enable AT&T to provide wireless telephone services in the Mansfield Depot area. The project has been proposed by AT&T in an effort to avoid building a completely new and traditional tower structure in this area of the Town.



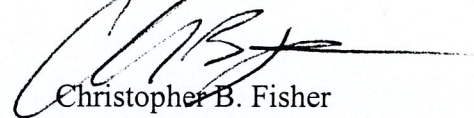
April 30, 2003

Page 2

Please be advised that the State Siting Council will likely place this petition on an agenda for discussion in May. A public hearing may or may not be required. As such, should you have any comments on the proposal, please submit them to the Council by May 16, 2003. The State Siting Council's address is 10 Franklin Square, New Britain, CT 06051 with telephone and fax numbers of 860-827-2935 and 860-827-2950 respectively. You may feel free to contact them directly.

Please also do not hesitate to contact me if I may be of any further assistance to you in understanding the proposal by AT&T. Thank you in advance for your consideration of the enclosed.

Very truly yours,



Christopher B. Fisher

cc: Connecticut Siting Council (w/o enclosure)



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90 MAPLE AVENUE  
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April 30, 2003

Holly Moore and Crystal Snow  
Co-Trustees  
PO Box 75  
Mansfield Depot, Connecticut 06251

Re: AT&T Wireless  
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April 30, 2003

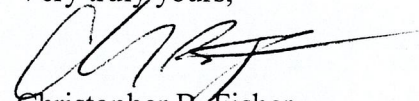
Page 2

telephone services in the Mansfield Depot area. The project has been proposed by AT&T in an effort to avoid building a completely new and traditional tower structure in this area of the Town.

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April 30, 2003

David Simonu  
96 Middle Turnpike  
Mansfield Depot, Connecticut 06251

Re: AT&T Wireless  
Connecticut Siting Council Petition  
Proposal to Install a Wood Laminate Pole Facility  
111 Middle Turnpike, Mansfield, Connecticut

Dear Mr. Simonu:

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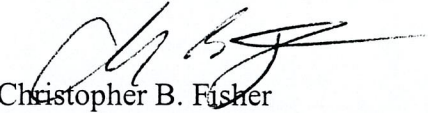
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Very truly yours,



Christopher B. Fisher

cc: Connecticut Siting Council (w/o enclosure)





Aerial photograph source: State of Connecticut DEP archive, April 25, 1995

<b>AERIAL MAP</b>	DATE: APRIL 2003	SCALE 1000'
<b>URS</b> URS Corporation AES 795 Brook St, Bldg 5 Rocky Hill, CT 06067 Tel. 860-529-8882 Fax 860-529-5566  PROJECT #: BA1021/36912914 CT-821	<b>AT&amp;T WIRELESS PCS, LLC</b> MANSFIELD DEPOT SITE A 111 MIDDLE TURNPIKE ROAD MANSFIELD, CONNECTICUT	





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## **RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility**

**Proposed Site A**

February 5, 2003

**Prepared by AT&T Wireless PCS, LLC**  
Galen Belen RF Engineer



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1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at 111 Middle Turnpike, Mansfield, CT 06268. This analysis uses site-specific engineering data to determine the predicted levels of radio frequency (RF) electromagnetic energy in the vicinity of the proposed facility and compares those levels with the Maximum Permissible Exposure (MPE) limits established by the Federal Communications Commission.

2. Site Data

Site Name: <b>Mansfield Depot</b>	
Number of simultaneously operating channels	<b>12</b>
Type of antenna	<b>Allgon 7250.02</b>
Power per channel (Watts ERP)	<b>250.0</b> Watts
Height of antenna (feet AGL)	<b>52.50</b> feet
Antenna Aperture Length	<b>5</b> feet

3. RF Exposure Prediction

The following equations established by the FCC, in conjunction with the site data, were used to determine the levels of RF electromagnetic energy present in the vicinity of the proposed facility<sup>1</sup>:

$$PowerDensity = \frac{0.64 * N * EIRP(\theta)}{\pi * R^2} (mW/cm^2)$$

Eq. 1-Far-field

Where, *N*= Number of channels, *R*= distance in cm from the antenna centerline, and *EIRP(θ)* = The isotropic power expressed in milliwatts in the direction of prediction point. This is the correct equation for antennas which have their gain expressed in dBi, which is the usual case for the PCS bands.

$$PowerDensity = \frac{P_{in} / ch * N * 10^3}{2 * \pi * R * h * \alpha / 360} (mW/cm^2)$$

Eq. 2-Near-field

Where *P<sub>in</sub>/ch* = Input power to antenna terminals in watts/ch, *R* = distance to antenna centerline, *h* = aperture height in meters, *α* = 3 dB beam-width of horizontal pattern.

<sup>1</sup> RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts ( *μ* W), a millionth of a watt, per square centimeter (cm<sup>2</sup>). Data comparing predictive analysis with on site measurements has demonstrated that power density can be effectively predicted at given locations in the vicinity of a wireless antenna facility.



4. Comparison with Standards

Exhibit A shows the levels of RF electromagnetic energy as one moves away from the antenna facility. As shown in Exhibit A, the maximum power density is 0.002413 mW/cm<sup>2</sup> which occurs at 170 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.000178 mW/cm<sup>2</sup> at a distance of 4 feet. Table 1 below shows the Maximum Permissible Exposure (MPE) limits established by the FCC. There are different MPE limits for public/uncontrolled and occupational/controlled environments.

Table 1: Maximum Permissible Exposure limits for RF radiation

Frequency	Public/Uncontrolled	Occupational/controlled	Maximum power density at Accessible location
Cellular	.580 mW/cm <sup>2</sup>	2.9 mW/cm <sup>2</sup>	0.002413 mW/cm <sup>2</sup>
PCS	1 mW/cm <sup>2</sup>	5.0 mW/cm <sup>2</sup>	

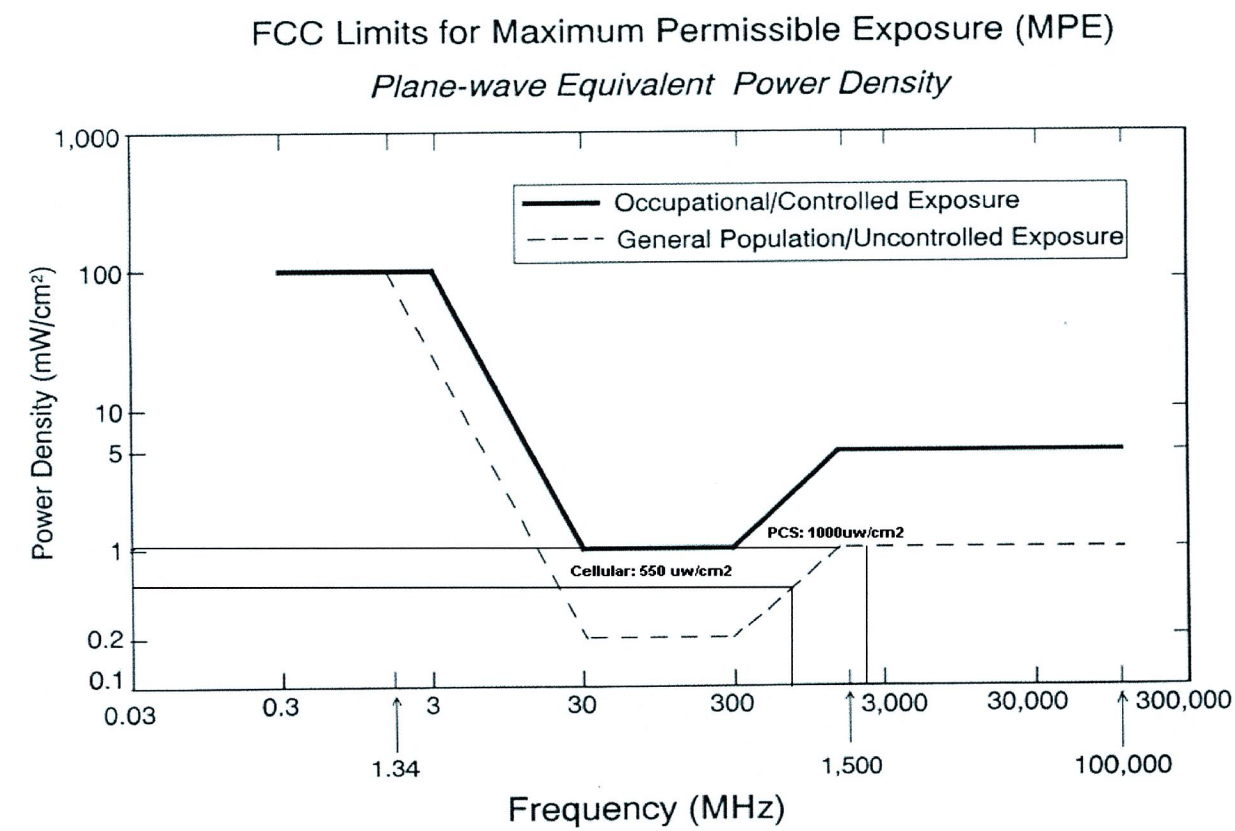
From the attached calculations, it is seen that the total exposure for this site will be 0.24% of MPE for uncontrolled (general public) exposure.

5. Conclusion

This analysis shows that the maximum power density in accessible areas at this location will be 0.24 % of MPE, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.



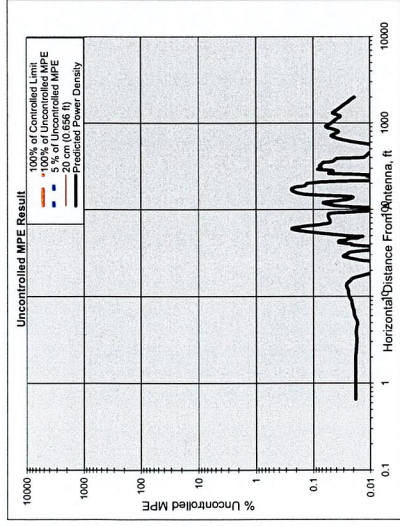
6. FCC Limits for Maximum Permissible Exposure





7. Exhibit A





**Number of Antenna Systems: 1**  
**Meets FCC Controlled Limits for The Antennas Systems.**

**Meets FCC Uncontrolled Limits for The Antenna Systems.**

**Meets FCC Uncontrolled Limits for The Antenna Systems.**

**Meets 5% of FCC Uncontrolled Limits for The Antenna Systems.**

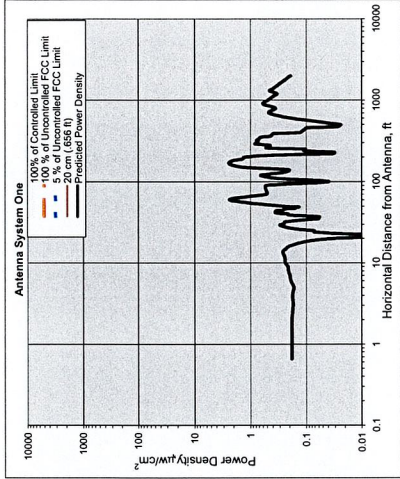
**No Further Analysis Required.**

		Power Density mW/cm <sup>2</sup>	@Horiz. Dist. feet
	Maximum Power Density = 414.47 times lower than the MPE limit for uncontrolled environment	0.002413	170.00
	Composite Power (ERP) =	3,000.00	Watts

Site ID: 907-007-821 Site A  
Site Name: Mansfield Depot  
Site Location: 111 Middle Turnpike  
Mansfield, CT 06268

Performed By: Galen Belen  
Date: 2/05/2003

Ant System ONE Owner: AT&T  
Sector: 3  
Azimuth: 0/120/240



Antenna System One		
	units	Value
Frequency	MHz	1945.00
# of Channels	#	12
Max ERP/CH	Watts	250.00
Max PwrCh into Ant	Watts	5.60
(Antenna Centerline	feet	32.50
Calculation Point	feet	0.00
(above ground of	feet	0.00
roof surface)	feet	0.00
Antenna Model No.		Algon 7250.02
Max Ant Gain	dB	16.50
Down tilt	degrees	0.00
Miscellaneous Ant	dB	0.00
Height of aperture	feet	5.11
Ant HBW	degrees	65.00
Distance to Ant location	feet	49.50
WOS?	Y/N?	n



8. For Further Information

Additional information about the environmental impact of RF energy from personal wireless antenna facilities can be obtained from the Federal Communications Commission:

Dr. Robert Cleveland  
Federal Communications Commission  
Office of Engineering and Technology  
Washington, DC 20554

RF Safety Program: 202-418-2464  
Internet address: [rfsafety@fcc.gov](mailto:rfsafety@fcc.gov)  
RF Safety Web Site: [www.fcc.gov/oet/rfsafety](http://www.fcc.gov/oet/rfsafety)

9. References

[1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 ( c)(7)(B)(iv).

[2] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Notice of Proposed Rulemaking, ET Docket 93-62, 8 FCC Rcd 2849 (1993).

[3] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Report and Order, ET Docket 93-62, FCC 96-326, adopted August 1, 1996. 61 Federal Register 41006 (1996).

[4] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Second Memorandum Opinion and Order, ET Docket 93-62, adopted August 25, 1997.

[5] *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields*, OET Bulletin 65, August, 1997.



**TOWN OF MANSFIELD**  
**OFFICE OF THE TOWN MANAGER**



Martin H. Berliner, Town Manager

**RECEIVED**

MAY 13 2003

**CONNECTICUT  
SITING COUNCIL**

AUDREY P. BECK BUILDING  
FOUR SOUTH EAGLEVILLE ROAD  
MANSFIELD, CONNECTICUT 06268-2599  
(860) 429-3336 TELEPHONE  
(860) 429-6863 FACSIMILE

May 13, 2003

Connecticut Siting Council  
c/o S. Derek Phelps, Executive Director  
10 Franklin Square  
New Britain, CT 06051

Re: Petition No. 626T – AT&T Wireless PCS, LLC for telecommunication facility  
at 111 Middle Turnpike, Mansfield, CT

Dear Council members:

Earlier this month, Mansfield officials received notice of Petition No. 626T and AT&T Wireless PCS, LLC's proposed telecommunication facility at 111 Middle Turnpike. Town officials have not yet completed our review of this proposal and it is respectfully requested that the Siting Council postpone action at its May 20, 2003 meeting and consider this petition in conjunction with Docket No. 247 and AT&T Wireless' proposal for a nearby telecommunication tower in Mansfield. The two referenced projects are interrelated and should be considered jointly upon completion of the Public Hearing process that has been established for Docket No. 247.

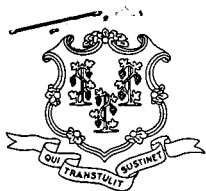
Mansfield officials are in the process of preparing comments regarding Docket No. 247 and we expect to be able to comment on Petition 626T on or prior to the June 17, 2003 Public Hearing date that has been established for Docket No. 247. If you have any questions regarding this request, please contact Mansfield's Town Planner, Gregory J. Padick, at 860-429-3329.

Very truly yours,

Martin H. Berliner, Mansfield Town Manager

cc: AT&T Wireless PCS, LLC c/o C.B. Fisher, Esq., Cuddy & Feder & Worby, LLP  
J. Gaudet, Site Acquisitions  
Mansfield Town Council  
Mansfield Planning & Zoning Commission  
B. and M. Thompson  
G. Heffernan, CT Siting Council  
D. Martin, CT Siting Council Siting Analyst





# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

June 6, 2003

TO: Council Members

FROM: S. Derek Phelps, Executive Director

RE: **DOCKET NO. 247** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 497 Middle Turnpike or off of Cedar Swamp Road, Mansfield, Connecticut.

**PETITION NO. 626T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a wireless telecommunications facility at 111 Middle Turnpike, Mansfield, Connecticut.

---

The Connecticut Siting Council has scheduled a field review for this docket for Tuesday, June 17, 2003. Council members will meet at the intersection of Route 44 (Middle Turnpike) and Route 32 (Stafford Road, Mansfield, Connecticut at 2:00 p.m.

A public hearing is scheduled for Tuesday, June 6, 2003, beginning at 3:00 p.m. in the Council Chambers of the Mansfield Town Hall, 4 South Eagleville Road, Mansfield, Connecticut.

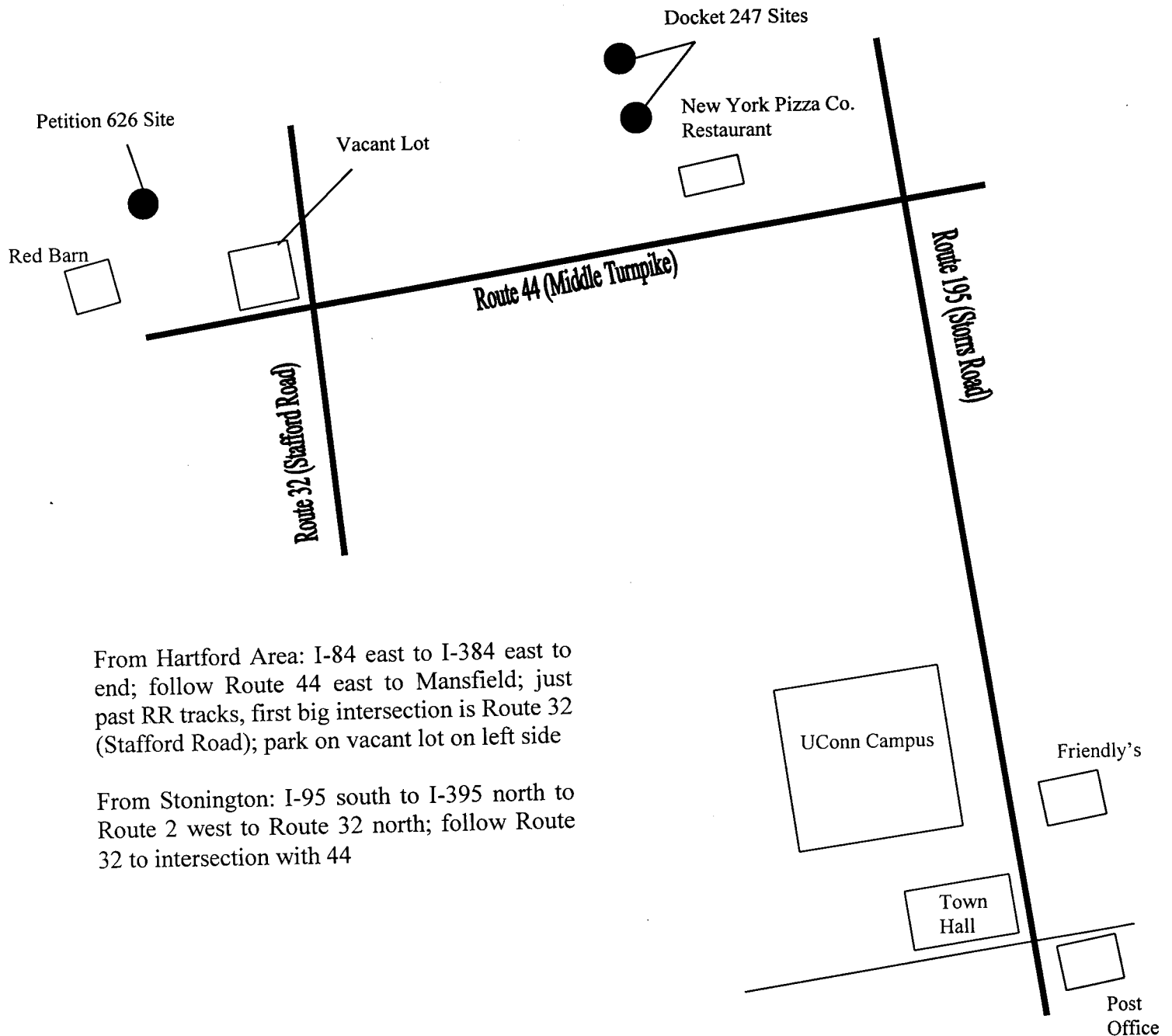
A map with directions is enclosed.

SDP/DM

Enclosure

c: Secretary of the State  
Parties and Intervenors

# Directions to Mansfield, Connecticut Docket 247 and Petition 626



From Hartford Area: I-84 east to I-384 east to end; follow Route 44 east to Mansfield; just past RR tracks, first big intersection is Route 32 (Stafford Road); park on vacant lot on left side

From Stonington: I-95 south to I-395 north to Route 2 west to Route 32 north; follow Route 32 to intersection with 44

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

RECEIVED

JUN 10 2003

CONNECTICUT  
SITING COUNCIL  
PETITION NO. 626

In Re:

PETITION OF AT&T WIRELESS TO THE )  
CONNECTICUT SITING COUNCIL FOR )  
A DECLARATORY RULING THAT NO )  
CERTIFICATE OF ENVIRONMENTAL )  
COMPATIBILITY AND PUBLIC NEED )  
IS REQUIRED TO CONSTRUCT A )  
55' "TOWER" FACILITY AT 111 MIDDLE )  
TURNPIKE, MANSFIELD, CONNECTICUT )

JUNE 10, 2003

RESPONSES TO CONNECTICUT SITING COUNCIL  
PRE-HEARING INTERROGATORIES, SET ONE

AT&T Wireless ("AT&T") respectfully submits the following responses to the Siting Council's Interrogatories, dated May 22, 2003:

Interrogatory 1

Q1. In its petition, AT&T describes the area in which the proposed facility would be located as "already disturbed." Explain the nature and extent of the disturbance to the proposed location.

R1. The proposed Facility will be located in an area that has been cleared and is maintained as a field and used for horseback riding. The field is surrounded on three sides by mature trees. Occasional large trees are found within the field.

Interrogatory 2

Q2. What would be the maximum power density of AT&T's antennas at this site if it were assumed that AT&T's antennas were pointed at the base of the tower and all channels were operating simultaneously?

R2. Assuming that AT&T's antennas were pointed at the base of the tower and all channels were operating simultaneously, the maximum power density of AT&T's antennas at this site would be 0.391 mW/cm<sup>2</sup>.

Interrogatory 3

Q3. Identify the facilities with which the proposed facility would be handing off traffic.

R3. To the west, the proposed Facility would hand off traffic to an on-air site, CT-820, which is a Sprint monopole located at 400 Riley Mountain Road in Coventry (EM-AT&T-032-020531). To the

northeast, the proposed Facility would hand off traffic to a proposed facility in Mansfield, CT-822, which is the subject of Docket 247.

#### Interrogatory 4

Q4. What is the distance from the proposed facility to the nearest residence? How many residences are within 1,000 feet of the proposed facility?

R4. The nearest residence is approximately 320 feet east of the proposed Facility. Eleven (11) residences, including the property owners', are located within 1,000 feet of the proposed Facility.

#### Interrogatory 5

Q5. What is the length of the access drive that would (be) installed from the property owner's driveway to the facility compound?

R5. The length of the access drive that would be installed from the property owner's driveway to the facility compound is approximately 355 feet.

#### Interrogatory 6

Q6. What is the size of the area that would be covered by this facility?

R6. The site will be sectorized with full capacity, yet will function and appear in many respects as a "microcell" to service a discrete area in the vicinity of Routes 44 and 32, as illustrated in the propagation plots provided in response to interrogatory 7 below.

#### Interrogatory 7

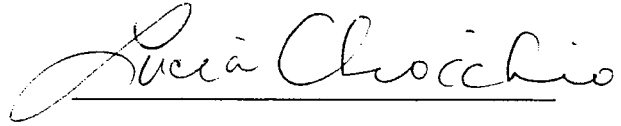
Q7. Provide coverage maps indicating coverage in the vicinity with and without the proposed facility.

R7. Annexed hereto as Exhibit 1 are two coverage maps which indicate the coverage in the vicinity of the proposed site with and without the proposed Facility.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and twenty five copies of AT&T's Responses to Pre-Hearing Interrogatories, Set One, were hand delivered to the Connecticut Siting Council.

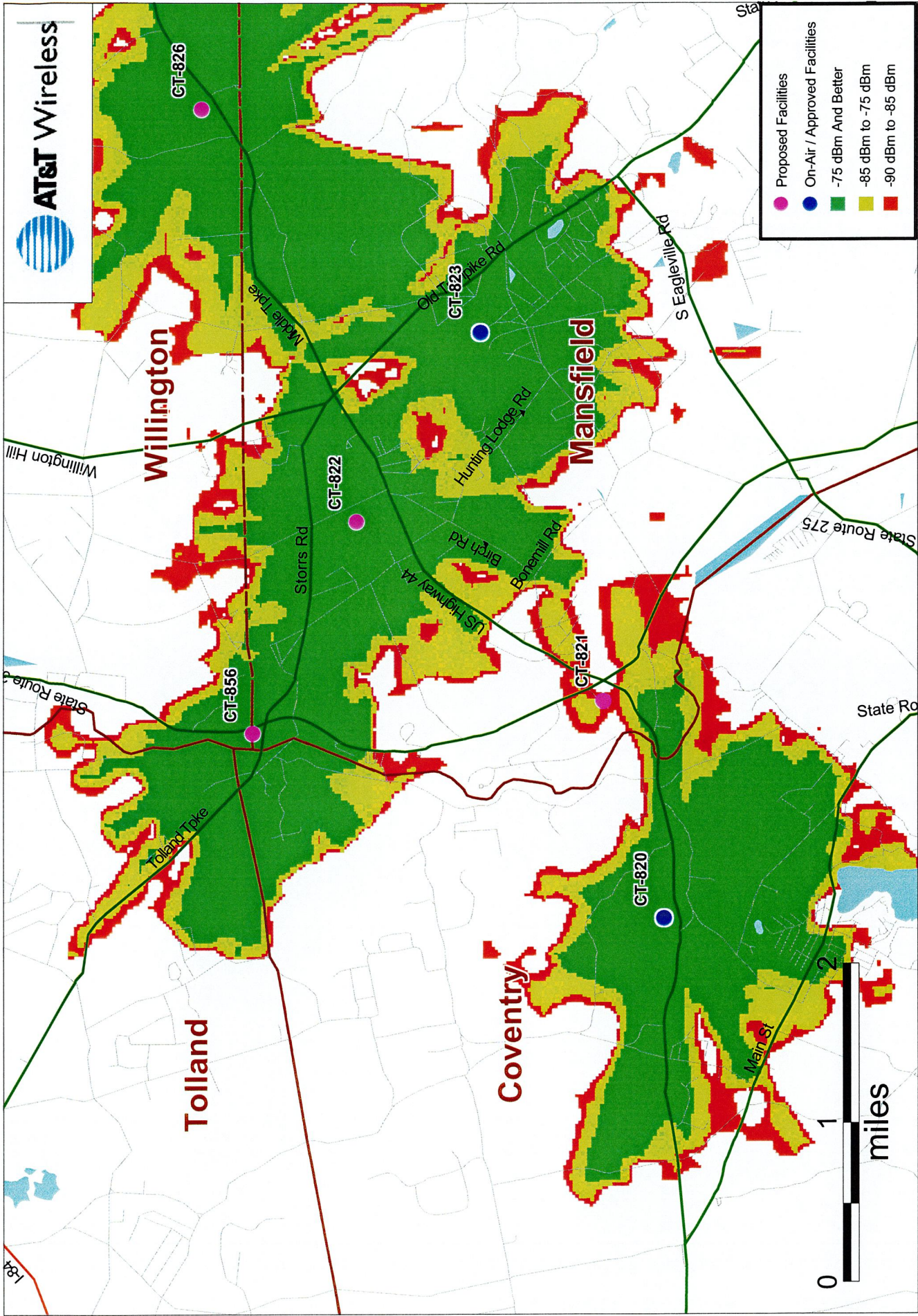
Dated: June 10, 2003

A handwritten signature in cursive script, reading "Lucia Chiocchio", written over a horizontal line.

Lucia Chiocchio

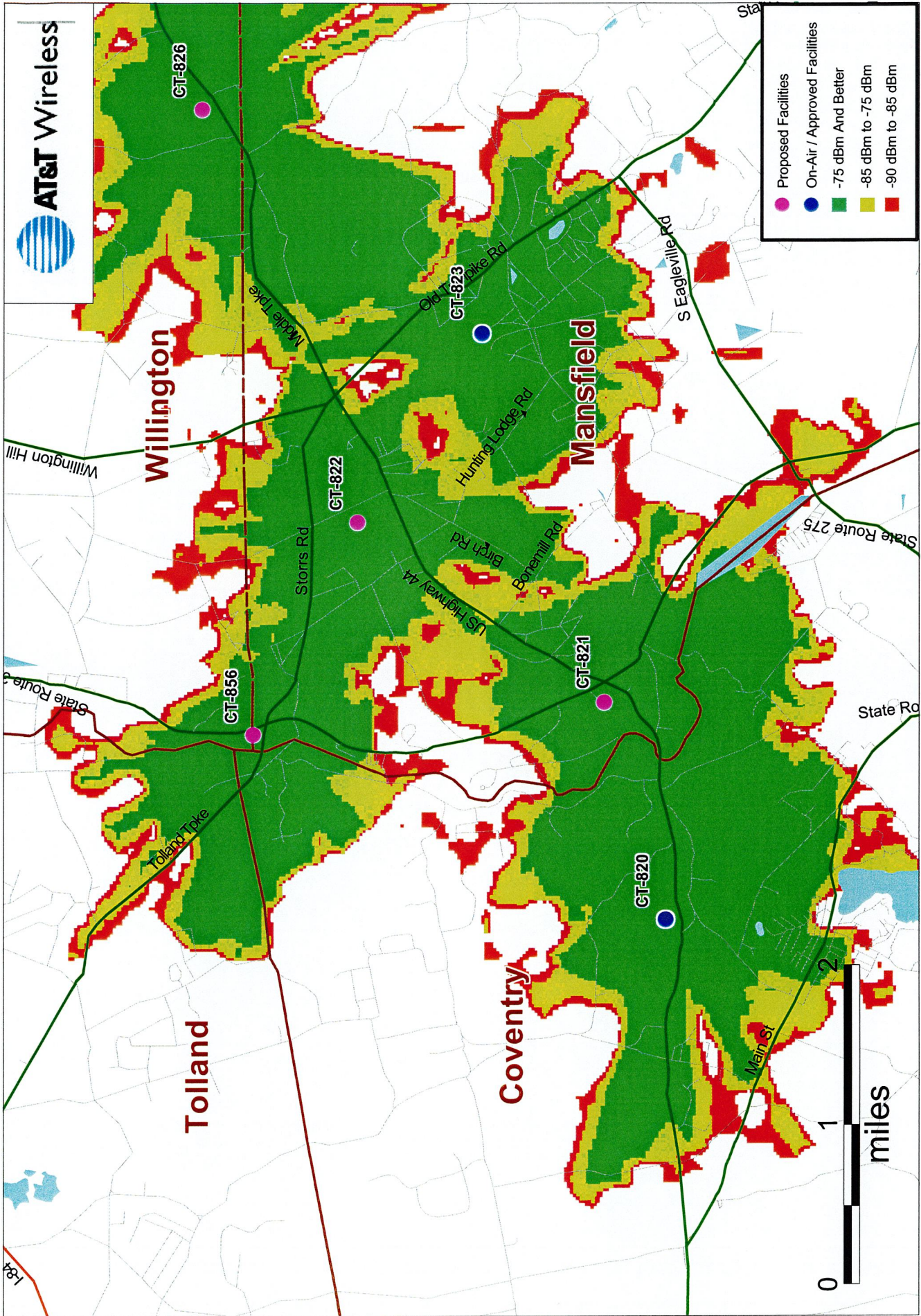
cc: Christopher B. Fisher, Esq.  
Jennifer Young Gaudet (CT-821)  
Arthur A. Julius

AT&T WIRELESS SERVICES  
 111 MIDDLE TURNPIKE  
 PROPOSED SITE A NEIGHBOR RF COVERAGE; ANTENNA CENTERLINE: 52.5 FT





AT&T WIRELESS SERVICES  
111 MIDDLE TURNPIKE  
PROPOSED SITE A COMPOSITE RF COVERAGE; ANTENNA CENTERLINE: 52.5 FT







# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

May 22, 2003

Mr. Christopher B. Fisher, Esq.  
Cuddy & Feder & Worby LLP  
90 Maple Avenue  
White Plains, NY 10601

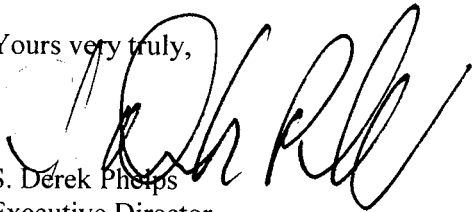
RE: **PETITION 626** – AT&T Wireless Petition for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is needed to construct a 55' tower facility at 111 Middle Turnpike, Mansfield, Connecticut.

Dear Mr. Fisher:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than June 10, 2003. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 20 copies to this office. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. A list of parties and intervenors dated April 10, 2003 is enclosed. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

  
S. Derek Phelps  
Executive Director

SDP/CDM

c: Council Members

**Petition 626: AT&T  
Mansfield, Connecticut  
Pre-Hearing Interrogatories**

1. In its petition, AT&T describes the area in which the proposed facility would be located as "already disturbed." Explain the nature and extent of the disturbance to the proposed location.
2. What would be the maximum power density of AT&T's antennas at this site if it were assumed that AT&T's antennas were pointed at the base of the tower and all channels were operating simultaneously?
3. Identify the facilities with which the proposed facility would be handing off traffic.
4. What is the distance from the proposed facility to the nearest residence? How many residences are within 1,000 feet of the proposed facility?
5. What is the length of the access drive that would installed from the property owner's driveway to the facility compound?
6. What is the size of the area that would be covered by this facility?
7. Provide coverage maps indicating coverage in the vicinity with and without the proposed facility.





TOWN OF MANSFIELD  
OFFICE OF PLANNING AND DEVELOPMENT

RECEIVED

GREGORY J. PADICK, TOWN PLANNER

MAY 27 2003

CONNECTICUT  
SITING COUNCIL

AUDREY P. BECK BUILDING  
FOUR SOUTH EAGLEVILLE ROAD  
MANSFIELD, CT 06268-2599  
(203) 429-3330

Memo to: Property-owners within 500 feet of proposed AT&T telecommunication tower site  
From: Gregory J. Padick, Mansfield Town Planner  
Date: May 22, 2003

Re: Proposed telecommunication tower north of Route 44 and west of Route 32  
(Connecticut Siting Council Petition No. 626T)

Please find enclosed portions of an AT&T Wireless PCS, LLC Petition for a new telecommunication tower on property of Burnham and Megan Thompson at 111 Middle Turnpike (see enclosed maps). The proposed tower site is subject to the permit jurisdiction of the Connecticut Siting Council, which will consider this petition in association with another AT&T tower proposal in Mansfield at a June 17<sup>th</sup> Public Hearing.

The June 17<sup>th</sup> Public Hearing will be held in two sessions in the Council Chambers of the Audrey P. Beck Municipal Building, 4 South Eagleville Road. The first session will begin at 3:00 p.m. and it is my understanding that the Siting Council will receive information from the applicants, any other parties or intervenors and government officials. The second session is scheduled to begin at 7:00 p.m., and at this session comments will be received from all interested persons. More information about the Connecticut Siting Council permit process, the June 17<sup>th</sup> Public Hearing and the pending applications can be obtained by calling the Siting Council at 860-827-2935, or visiting the Council's web page at [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm).

You may also contact the Mansfield Planning Office at 429-3330 if you have any questions on this matter. A complete copy of the subject Petition is on file in the Planning Office.

cc: Mansfield Planning & Zoning Commission  
Mansfield Town Council  
C. Fisher, Cuddy and Feder and Worby, LLP  
J. Young-Gaudet  
✓ D. Martin, CT Siting Council staff  
B. and M. Thompson

PETITION OF AT&T WIRELESS TO THE  
CONNECTICUT SITING COUNCIL FOR  
A DECLARATORY RULING THAT NO  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED  
IS REQUIRED TO CONSTRUCT  
A 55' "TOWER" FACILITY AT 111 MIDDLE  
TURNPIKE, MANSFIELD, CONNECTICUT

PETITION NO. \_\_\_\_

APRIL 30, 2003

**PETITION FOR DECLARATORY RULING  
111 MIDDLE TURNPIKE, MANSFIELD, CONNECTICUT**

**I. Introduction**

AT&T Wireless PCS, LLC ("AT&T") hereby petitions the Connecticut Siting Council ("Council") pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("R.C.S.A.") for a declaratory ruling that a Certificate of Environmental Compatibility and Public Need ("Certificate") is not required under the provisions of Connecticut General Statutes ("C.G.S.") Section 16-50k to construct a "tower" at 111 Middle Turnpike, Mansfield, Connecticut. AT&T will place a 55' wood laminate pole with three antennas flush mounted to the pole, and construct other equipment at grade (the "Facility") on an approximately 10 acre parcel of property. AT&T respectfully submits that the new "tower" and Facility proposed by AT&T present no significant adverse environmental impacts which would otherwise warrant review by the Council in a full docket and Certificate proceeding. As such, AT&T respectfully requests a declaratory ruling that its construction of the Facility does not require a Certificate.

#### **IV. Proposed AT&T Facility**

AT&T is licensed by the Federal Communications Commission ("FCC") to provide PCS services in this area of the State of Connecticut. As shown on the enclosed plans prepared by URS Corporation, including a site access map, compound plan and elevation, AT&T proposes to place one 55' wood laminate pole in the northern corner at the rear of the property and to install three panel antennas, flush mounted, at the 52.5' level of the pole. Pictures of similar types of installations to the one proposed (not necessarily the same height and likely higher than as proposed) are enclosed for the Council's reference as Exhibit A. The laminate pole is similar in many respects to the larger telephone poles sometimes used by SNET and CL&P in the State. Associated equipment cabinets will be installed on 7' x 13' concrete pad located at the base of the pole surrounded by an 8' chain link fence. Access and utilities would be extended from an existing driveway to the compound.

#### **V. Municipal Consultation**

AT&T representatives have periodically met with Town Officials to discuss their need for facilities in the Town of Mansfield. In the Mansfield Depot area, AT&T discussed with the Town its desire to site a facility on the UCONN smokestacks. The Town expressed to UCONN its interest in having UCONN consider installation of the AT&T facility on an existing structure at the Depot Campus. AT&T representatives have also discussed with the Town Planner the proposal in this Petition and the lack of meaningful alternatives.

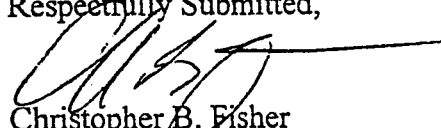


The operation of AT&T's antennas will not increase the total radio frequency electromagnetic power density at the site to a level at or above the applicable standards. As set forth in an Emissions Report prepared by Galen Belen, RF Engineer, annexed hereto as Exhibit D, the total radio frequency power density at the boundary of the site will not be at a level at or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and the MPE limits established by the Federal Communications Commission.

#### **VIII. Conclusion**

AT&T will not need to construct a traditional telecommunications tower facility to provide coverage along Middle Turnpike in the Mansfield Depot area should the placement of the proposed wood laminate pole be approved. For all the foregoing reasons, AT&T petitions the Connecticut Siting Council for a determination that the Facility as proposed does not require a Certificate of Environmental Compatibility and Public Need and that the Council issue an order approving same. To the extent that the Council believes a hearing may be necessary or warranted prior to ruling on this Petition, we respectfully submit that it be scheduled and held simultaneously with the pending AT&T Certificate application in Docket No. 247 which has been scheduled for a June 17, 2003 public hearing in the Town of Mansfield.

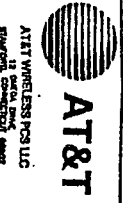
Respectfully Submitted,



Christopher B. Fisher

cc: Martin Berliner, Town Manager, Town of Mansfield  
Gregory Padick, Town Planner, Town of Mansfield  
Burnham & Megan Thompson  
Jennifer Young Gaudet

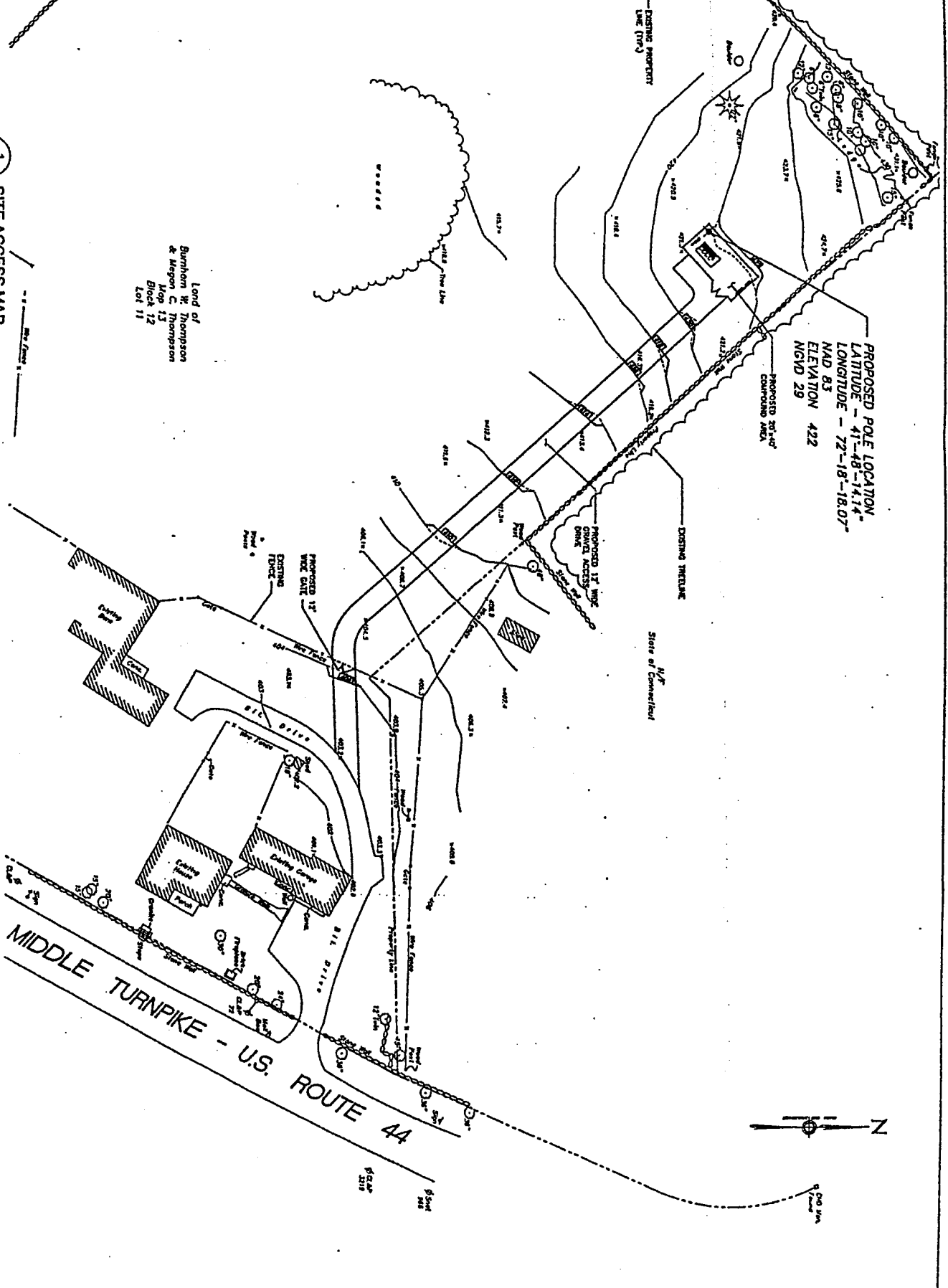
**MANSFIELD DEPOT  
SITE A**  
111 MADOLE TURNPIKE  
MANSFIELD, CONNECTICUT



NO.	DATE	REVISION	BY	CHK	APP
1	04/23/03				
2	04/23/03				
3					
4					
5					
6					
7					
8					
9					
10					

DES. NO.	REV. NO.	REVISION NUMBER
1	1	1
2		
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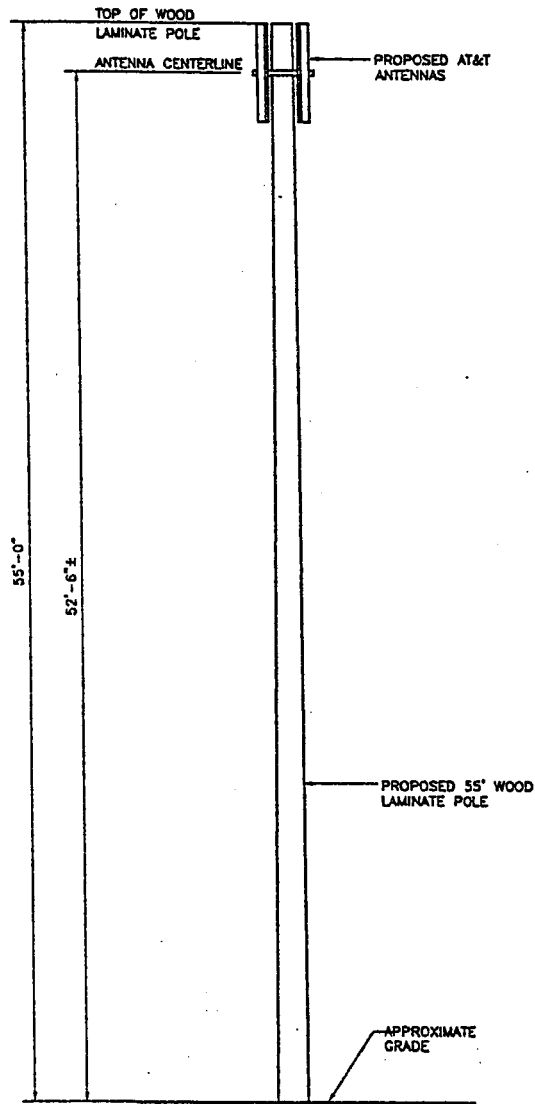
**1 SITE ACCESS MAP**  
SC-1  
SCALE 1" = 60'-0"



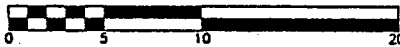
**URS CORPORATION AES**

SITE ACCESS MAP





1 POLE ELEVATION  
SC-3 SCALE: 1" = 10'-0"



**URS**

URS CORPORATION-AES  
795 BROOK STREET, BLDG 5  
ROCKY HILL, CT. 06067  
1-(860)-529-8882  
1-(860)-529-5566 (FAX)



**AT&T**

AT&T WIRELESS PCS LLC  
12 OMEGA DRIVE  
STAMFORD, CONNECTICUT 06902

DRAWING TITLE: TOWER ELEVATION

PROJECT INFORMATION:  
MANSFIELD DEPOT  
SITE A  
111 MIDDLE TURNPIKE  
MANSFIELD, CT

PROPERTY OWNER:  
BURNHAM & MEGAN THOMPSON  
111 MIDDLE TURNPIKE  
MANSFIELD, CT 06268

DRAWING TITLE:

907-007-821A-SC3

REVISION NO. 2	DRAWN BY: JCF
DATE ISSUED: 04/23/03	CHECKED BY: JCF
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 3 OF 3
URS JOB NO.: BA1021 (36912914)	

06051

laf

Enclosure (1)

June 5, 2003

TO: Classified/Legal Supervisor

**247030617**

The Chronicle

Chronicle Printing Co.

One Chronicle Road

Willimantic, CT 06226

FROM Lisa A. Fontaine, Administrative Assistant

RE: **DOCKET NO. 247** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 497 Middle Turnpike or off of Cedar Swamp Road, Mansfield, Connecticut.

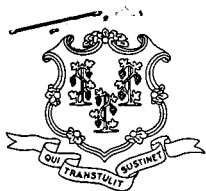
**PETITION NO. 626T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a wireless telecommunications facility at 111 Middle Turnpike, Mansfield, Connecticut.

Please publish the attached legal notice for one day on the first day possible from receipt of this notice, except on Saturday, Sunday, or holiday.

Pursuant to General Statutes § 16-50m(c), the general notice to be public shall be published in its entirety in not less than **TEN POINT BOLDFACE TYPE**. If you have any questions concerning the ten point type, please contact me. If your newspaper does not have ten point type, please so state and also state the size type actually used in the legal notice in your affidavit.

6/5/03





# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

June 6, 2003

TO: Council Members

FROM: S. Derek Phelps, Executive Director

RE: **DOCKET NO. 247** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 497 Middle Turnpike or off of Cedar Swamp Road, Mansfield, Connecticut.

**PETITION NO. 626T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a wireless telecommunications facility at 111 Middle Turnpike, Mansfield, Connecticut.

---

The Connecticut Siting Council has scheduled a field review for this docket for Tuesday, June 17, 2003. Council members will meet at the intersection of Route 44 (Middle Turnpike) and Route 32 (Stafford Road, Mansfield, Connecticut at 2:00 p.m.

A public hearing is scheduled for Tuesday, June 6, 2003, beginning at 3:00 p.m. in the Council Chambers of the Mansfield Town Hall, 4 South Eagleville Road, Mansfield, Connecticut.

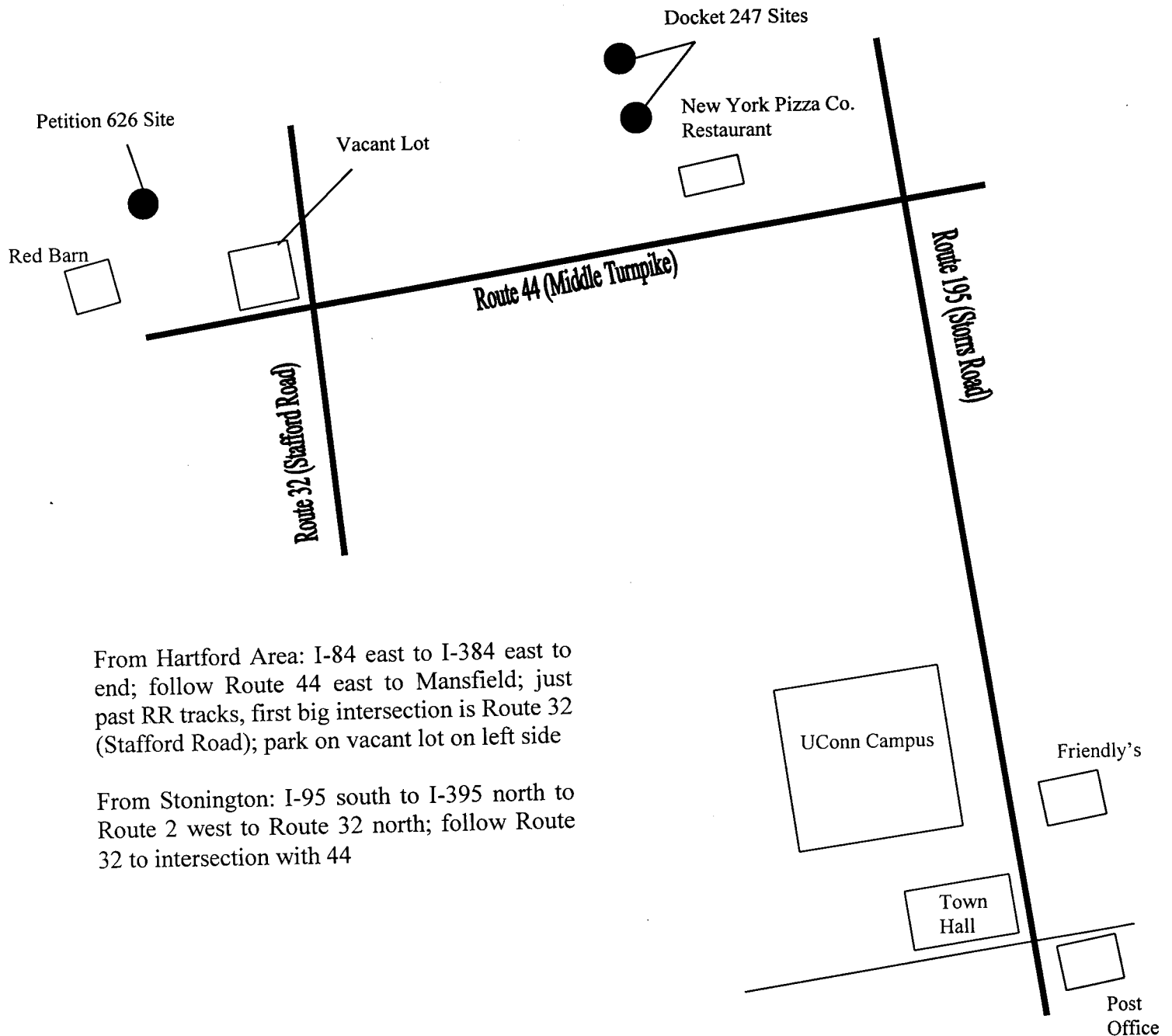
A map with directions is enclosed.

SDP/DM

Enclosure

c: Secretary of the State  
Parties and Intervenors

# Directions to Mansfield, Connecticut Docket 247 and Petition 626



From Hartford Area: I-84 east to I-384 east to end; follow Route 44 east to Mansfield; just past RR tracks, first big intersection is Route 32 (Stafford Road); park on vacant lot on left side

From Stonington: I-95 south to I-395 north to Route 2 west to Route 32 north; follow Route 32 to intersection with 44



**STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL**

**In Re:**

<b>APPLICATION OF AT&amp;T WIRELESS</b>	)	
<b>PCS, LLC d/b/a AT&amp;T WIRELESS</b>	)	<b>DOCKET NO. 247</b>
<b>FOR A CERTIFICATE OF ENVIRONMENTAL</b>	)	
<b>COMPATIBILITY AND PUBLIC NEED FOR</b>	)	
<b>THE CONSTRUCTION, MAINTENANCE AND</b>	)	<b>JUNE 16, 2003</b>
<b>OPERATION OF A TELECOMMUNICATIONS</b>	)	
<b>FACILITY IN THE TOWN OF MANSFIELD</b>	)	

<b>PETITION OF AT&amp;T WIRELESS TO THE</b>	)	
<b>CONNECTICUT SITING COUNCIL FOR</b>	)	<b>PETITION NO. 626</b>
<b>A DECLARATORY RULING THAT NO</b>	)	
<b>CERTIFICATE OF ENVIRONMENTAL</b>	)	
<b>COMPATIBILITY AND PUBLIC NEED</b>	)	<b>JUNE 16, 2003</b>
<b>IS REQUIRED TO CONSTRUCT</b>	)	
<b>A 55' "TOWER" FACILITY AT 111 MIDDLE</b>	)	
<b>TURNPIKE, MANSFIELD, CONNECTICUT</b>	)	

**HEARING INFORMATION**

Applicant, AT&T Wireless PCS, LLC d/b/a AT&T Wireless ("AT&T") submits the following hearing information to the State of Connecticut Siting Council in Docket No. 247 and Petition No. 626:

**A. List of Witnesses**

Mr. Arthur A. Julius, AT&T Radio Frequency Engineer  
Ms. Jennifer Young Gaudet, AT&T Consultant  
Mr. Ignacio C. Artaiz, AIA, URS Corporation-AES

**RECEIVED**  
**JUN 17 2003**  
**CONNECTICUT**  
**SITING COUNCIL**

**B. Documents to be Administratively Noticed**

Correspondence dated April 28, 2003 from the State of Connecticut State Historic Preservation Officer regarding Site A-1 of Docket No. 247;

Correspondence dated February 13, 2003 from the State of Connecticut Department of Environmental Protection regarding Site A-1 of Docket No. 247;

Correspondence dated April 28, 2003 from the State of Connecticut State Historic Preservation Officer regarding Petition No. 626; and

Correspondence dated May 30, 2003 from the State of Connecticut Department of Environmental Protection regarding Petition No. 626.

C. Exhibits to be Offered

AT&T will offer as exhibits:

Exhibit 1: Application for a Certificate of Environmental Compatibility and Public Need for the Construction, Maintenance and Operation of a Telecommunications Facility in the Town of Mansfield, dated March 17, 2003;

Exhibit 2: Bulk Filing which includes the Town of Mansfield's Plan of Development, Zoning Regulations, Wetlands and Watercourses Regulations, and a copy of the Technical Report submitted to the Town;

Exhibit 3: Responses to Pre-Hearing Interrogatories, Set One, Docket No. 247, dated April 29, 2003;

Exhibit 4: Petition for a Declaratory Ruling that No Certificate of Environmental Compatibility and Public Need is Required to Construct a 55' "Tower" Facility at 111 Middle Turnpike, Mansfield, Connecticut, dated April 30, 2003; and

Exhibit 5: Responses to Pre-Hearing Interrogatories, Set One, Petition No. 626, dated June 10, 2003.

AT&T reserves the right to offer additional exhibits, testimony, witnesses and administratively noticed materials as may be necessary during the hearing process.



CERTIFICATE OF SERVICE

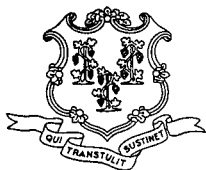
I hereby certify that on this day, 25 copies of AT&T's Hearing Information, was sent by overnight mail to the Connecticut Siting Council.

Dated: June 16, 2003



Christopher B. Fisher

cc: Jennifer Young Gaudet (CT-821 & CT-822)  
Arthur A. Julius  
Johnny Salmon



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

### Hearing Program

Docket No. 247 and Petition No. 626T

June 17, 2003

3:00 p.m. and 7:00 p.m.

Mansfield Town Hall Council Chambers

4 So. Eagleville Road, Storrs, Connecticut

#### I. Opening by Council

A. Statement read by Chair that the night session is for public statements, followed by cross-examination.

B. Administrative Notice taken by Council.

1. OET Bulletin No. 56, Questions and Answers About Biological Effects and Potential Hazards of Radiofrequency Electromagnetic Fields, Federal Communications Commission, Office of Engineering and Technology, August 1999.
2. OET Bulletin No. 65, Evaluating Compliance with FCC-Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, Federal Communications Commission, Office of Engineering and Technology, August 1997.
3. ANSI Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz, Revision of ANSI C95.1-1982, American National Standards Institute, November 18, 1992.
4. Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation, Federal Communications Commission's Report and Order, adopted August 1, 1996.
5. Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, TIA/EIA-222-F, Electronics Industries Association, June 1996.
6. Connecticut Guidelines for Soil Erosion and Sediment Control, 2002.
7. Telecommunications Act of 1996.
8. Conservation and Development Policies Plan for Connecticut 1998-2003, adopted by the Connecticut General Assembly, 1998.
9. Connecticut Walk Book, Eighteenth Edition, Connecticut Forest and Park Association, 1997.
10. Atlas of Connecticut Topographical Maps, State of Connecticut Department of Environmental Protection, Natural Resources Center, DEP Bulletin 17, 1992.

C. State Agency comments

1. Department of Environmental Protection, dated June 13, 2003.

II. Appearance by Applicant

Applicant: AT&T Wireless PCS, LLC d/b/a AT&T Wireless  
Representative(s): Christopher B. Fisher, Esq.

A. Swear Witnesses.

1. Arthur A. Julius, AT&T Radio Frequency Engineer
2. Jennifer Young-Gaudet, AT&T Consultant
3. Ignacio C. Artaiz, AIA, URS Corporation-AES

B. Number Exhibits.

1. Application for a Certificate of Environmental Compatibility and Public Need, dated March 17, 2003 (DO 247).
2. Town of Mansfield's Plan of Development, Zoning, Regulations, Wetland and Watercourses Regulations.
  - a. Technical Report submitted to Town.
3. Responses to Pre-Hearing Interrogatories, Set One, dated April 29, 2003.
4. Petition for a Declaratory Ruling that No Certificate of Environmental Compatibility and Public Need is required to construct a 55' telecommunications facility at 111 Middle Turnpike, Mansfield, Connecticut, dated April 30, 2003 (PE 626T).
5. Responses to Pre-Hearing Interrogatories, Set One, Petition No. 626T, dated June 10, 2003.

C. Administrative Notice.

1. Correspondence from the State of Connecticut State Historic Preservation Officer, dated April 28, 2003.
2. Correspondence from the State of Connecticut Department of Environmental Protection, dated February 13, 2003.
3. Correspondence from the State of Connecticut State Historic Preservation Officer, dated April 28, 2003.
4. Correspondence from the State of Connecticut Department of Environmental Protection, dated May 30, 2003.

D. Verification of exhibits by witnesses and admission by the Council.

E. Cross Examination.

1. Council
2. Intervenor or Party:



III. Appearance by Intervenor or Party:

Representative(s):

A. Swear Witnesses.

- 1.
- 2.

B. Number Exhibits.

- 1.
- 2.
- 3.

C. Administrative Notice.

- 1.

D. Verification of exhibits by witnesses and admission by the Council.

E. Cross Examination.

1. Council
- 2.
- 3.

IV. Rebuttal by Applicant.

V. Closing by Connecticut Siting Council.

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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CONNECTICUT  
SITING COUNCIL

IN RE:

APPLICATION OF AT&T WIRELESS  
PCS, LLC d/b/a AT&T WIRELESS  
FOR A CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE AND  
OPERATION OF A TELECOMMUNICATIONS  
FACILITY AT 497 MIDDLE TURNPIKE OR OFF  
OF CEDAR SWAMP ROAD IN MANSFIELD

DOCKET NO. 247

Date: July 17, 2003

PROPOSED FINDINGS OF FACT

Introduction

1. On March 17, 2003 and in accordance with Connecticut General Statutes §16-50g et seq., and Connecticut Agencies Regulations §16-50j-1 et. seq., AT&T Wireless PCS, LLC d/b/a AT&T Wireless ("AT&T") applied to the Connecticut Siting Council ("Council") for a Certificate of Environmental Compatibility and Public Need authorizing the construction, operation, and maintenance of a telecommunications facility to be located at 497 Middle Turnpike or off of Cedar Swamp Road in Mansfield, Connecticut. (AT&T 1, pg.1)
2. AT&T is a Delaware limited liability company whose member corporation, AT&T Wireless PCS, Inc. is licensed by the Federal Communications Commission ("FCC") to construct and operate a personal communications services system ("PCS") in several areas of the United States. (AT&T 1, pg. 3)
3. The party in this proceeding is the Applicant. (Tr. 1, pg. 4)
4. AT&T is licensed by the FCC to provide PCS services in the State of Connecticut including Tolland County. (AT&T 1, pg.5-6, Attachment 12, FCC licenses dated June 27, 1997)
5. Pursuant to Connecticut General Statutes ("CGS") §16-50l(b), AT&T had public notice of its application published in the Willimantic Chronicle on March 12, 2003 and March 14, 2003. (AT&T 1, Attachment 10, AT&T 3, Response No. 2)
6. Pursuant to CGS §16-50l(b) and Section 16-50l-1(e) of the Regulations of Connecticut State Agencies ("RCSA"), AT&T sent notice to each person appearing of record as owner of a property which abuts Site A-1 or Site B. (AT&T 1, Attachment 11, AT&T 3, Response No. 3)

7. AT&T provided proof of service certifying that copies of its application were sent to the Attorney General, Department of Environmental Protection, Department of Public Health, Council On Environmental Quality, Department of Public Utility Control, Office of Policy and Management, Department of Economic and Community Development, Department of Transportation, Windham Region Council of Governments, State Senator and State Representative, Federal Aviation Administration, Federal Communications Commission, and the Chief Elected Official, the Chairman of the Planning and Zoning Commission, the Chairman of the Zoning Board of Appeals, the Chairman of the Conservation Commission, and the Chairman of the Inland Wetlands Commission of the Town of Mansfield. (AT&T 1, Attachment 9)
8. Pursuant to CGS § 16-50j(h), the Council solicited written comments from several State agencies to which the Department of Environmental Protection and Department of Transportation responded and provided their comments.
9. The Council and its staff made inspections of the proposed Site A-1 and Site B sites on June 17, 2003. AT&T floated a balloon at each site from approximately 11:30 am to 7:00 pm on June 17, 2003. (Tr. 1, pg.19)
10. Pursuant to CGS § 16-50m, the Council, after giving due notice thereof, held a public hearing on June 17, 2003, beginning at 3:00 pm and continuing at 7:00 pm in Mansfield, Connecticut. (Tr. 1, pg.3-6)
11. One member of the public spoke at the public hearing session and none objected specifically to the tower component of either Site A-1 or Site B. (Tr. 2, pg.15-18)

#### **AT&T's PCS Service**

12. AT&T's network in Connecticut has been designed to operate as a mature network since its inception in 1999. AT&T provides personal communication service in the 1900 MHz PCS bands throughout the State of Connecticut. Due to the shorter propagation range and heightened detrimental effects of terrain and man-made clutter experienced within the PCS 1900 MHz band, as compared with traditional 850 MHz cellular bands, AT&T must construct a larger number of facilities to achieve comparable coverage to carriers operating within the 850 MHz band. (AT&T 1, Attachment 2)
13. At the time of the application, AT&T lacks coverage in critical areas of Mansfield particularly along State Route 195, State Route 32, and U.S. Route 44 and adjacent areas in this portion of Tolland County. (AT&T 1, pg.6, & Attachment 2, Tr. 1, pg.38-39)
14. The proposed facility will become an integral part of AT&T's deployment of networked based technologies to implement E911 services. (AT&T 1, pg. 7)



15. The signal strength considered acceptable by AT&T is -85dBm. (AT&T 3, Response No.9, Tr. 1, pg.39)
16. The proposed facility will provide wireless telecommunications service in the Town of Mansfield, specifically along State Route 195, State Route 32, and U.S. Route 44 and several adjacent areas. (AT&T 1, pg.1, Attachment 3, Tr. 1, pg. 46-47)

#### **Public Need for Wireless Service**

17. In 1996, the United States Congress recognized a nationwide need for high quality wireless telecommunications services, including PCS telephone service. Through the Federal Telecommunications Act of 1996, Congress seeks to promote competition and encourage technical innovation for telecommunication services. (AT&T 1, pg. 5)
18. In 1999, the United States Congress recognized a nationwide need for seamless emergency communications networks and the FCC has required carriers such as AT&T to deploy enhanced 911 technologies to locate callers in distress. (AT&T 1, pg. 7)

#### **Site Search**

19. AT&T determined the need for a facility in the Town of Mansfield in the area along State Route 195, State Route 32, and U.S. Route 44. (AT&T 1, pg.1, Attachment 3)
20. AT&T established a site search area west of the intersections of Routes 44 and 195, known as the Mansfield Fours corners section of the town. (AT&T 1, Attachment 4)
21. AT&T's site search area ring is approximately 0.5 miles in radius. (AT&T 1, Attachment 4)
22. AT&T identified four (4) communication towers within approximately two (2) miles of the site search area. These existing towers would not provide adequate coverage to the target area, would duplicate existing coverage and/or were already being used by AT&T to provide coverage in other areas of Mansfield and neighboring communities. (AT&T 1, Attachment 4)
23. During its search for sites, AT&T identified six (6) potential sites. These sites and their final status as identified by AT&T are listed in the following table:

Location	Final Status
497 Middle Turnpike	Site A-1
Cedar Swamp Road	Site B
22 Baxter Road	Dropped from consideration after municipal consultation
Willard Home Improvement, Route 195	Did not meet coverage objectives
Ferrigno property, off of Cedar Swamp Road and Route 44	Did not meet coverage objectives
Towill Tree Farm, Route 44	Did not meet coverage objectives

### **Municipal Consultation**

24. By letter dated October 1, 2002, AT&T submitted a cover letter and technical report to the Mayor of the Town of Mansfield. The technical report included information about AT&T's need for the proposed facility, a summary of the site selection process and the environmental effects of the proposed facility. (AT&T 1, pg.19, Attachment 8, Bulk Filing)
25. On October 28, 2002, representatives of AT&T met with the Town Manager and Town Planner of the Town of Mansfield to discuss AT&T's proposed Facility. At that meeting, the Town requested a visibility analysis for the proposed Facility. (AT&T 1, pg.20, Tr. 1, pg.9)
26. In response to the Town's request, on November 12, 2002, AT&T flew balloons at each of the sites proposed in the Technical Report. Photosimulations were prepared by AT&T and submitted to the Town. (AT&T 1, pg.20, AT&T 1, Attachment 8, Tr. 1, pg. 8-9)
27. On November 19, 2002, the Town held a public information session concerning AT&T's proposed Facility. Information regarding potential alternative locations for AT&T's facility was provided to AT&T. (AT&T 1, pg.20, Attachment 8)
28. AT&T analyzed each of the town suggested alternative locations and determined that one of the locations would be an appropriate site. This site was leased by AT&T and substituted as Site A-1 in its application for the location originally designated as Site A in the Technical Report. (AT&T 1, pg.20, Attachment 8)

### **Project Description**

29. AT&T proposes to locate a wireless telecommunications facility in Mansfield at one of two locations identified as Site A-1 and Site B. (AT&T 1, pg. 1-2)



30. The site designated as Site A-1 is located on an approximately 32 acre parcel owned by Bernard R. Brodin. The address of Site A-1 is 497 Middle Turnpike. The property is classified locally in the RAR-40 (Rural Agriculture Residence 40) zoning district. (AT&T 1, pg. 2 & 10, Attachment 5, Abutters Map)
31. The Site A-1 facility would consist of a 120' monopole within a 100' x 80' lease parcel. Within the lease area, AT&T would construct a 70'x 70' fenced compound to accommodate its equipment and the equipment of up to five additional carriers. (AT&T 1, pg. 9-10, Tr. 1, pg.30-32)
32. Vehicular access to the Site A-1 facility would extend from Middle Turnpike (Route 44) over an existing parking area a distance of approximately 345 feet, along a new gravel drive approximately 105 feet, along an existing dirt drive that will be covered with gravel approximately 795 feet, then along a new gravel access drive a distance of approximately 287 feet to the equipment compound. (AT&T 1, pg. 10, Attachment 5)
33. Underground utility connections for the Site A-1 facility would extend from Middle Turnpike and generally follow the access drive to the compound. (AT&T 1, pg. 10, Attachment 5)
34. The compound area for Site A-1 will be enclosed with a security fence eight feet in height. (AT&T 1, pg. 10, Attachment 5)
35. The construction costs of the Site A facility are estimated to be:
- |   |                  |
|---|------------------|
| Electronic Equipment costs:                       | \$157,500;       |
| Tower and antenna costs (including installation): | \$146,000        |
| Site Development costs:                           | \$295,500        |
| <b>Total:</b>                                     | <b>\$599,000</b> |
- (AT&T 1, pg.20)
36. The nearest residential structure is approximately 850 feet from the proposed tower at Site A-1. (AT&T 1, pg.13)
37. Part of the zone whose radius is the proposed tower height at Site A-1 lies within the adjacent property to the north of the site which is the location of Site B. No structures are located within this zone on the adjacent property. (AT&T 1, Attachment 5). The tower could be relocated slightly at Site A-1 to achieve a "fall zone" with no change in visibility. (Tr., 3pm, pg. 64; Tr. 7pm, pg. 19)
38. The site designated as Site B is located on an approximately 35 acre property owned by Grand Shart, LLC. The location of Site B is off of Cedar Swamp Road. The property is



locally classified in the RAR 40 (Rural Agriculture Residence) zoning district. (AT&T 1, pg. 2 & 11, Attachment 6, Abutters Map)

39. The Site B facility would consist of a 120' monopole within a 100'x 100' lease parcel on the property. Within the lease area, AT&T would construct a 75'x 75' fenced compound to accommodate its equipment and the equipment of up to five additional carriers. (AT&T 1, pg. 10 & 11, Attachment 6)
40. Vehicular access to the Site B facility would extend from Cedar Swamp Road along a new gravel drive 12' in width a distance of approximately 260', then follow an existing "woods road", which will be improved, a distance of approximately 1050' to the equipment compound. (AT&T 1, pg. 11, Attachment 6)
41. Underground utility connections for the Site B facility would extend from Cedar Swamp Road and generally follow the access drive to the compound. (AT&T 1, pg. 11, Attachment 6)
42. The compound area for Site B will be enclosed with a security fence eight feet in height. (AT&T 1, pg. 11, Attachment 6)
43. The construction costs of the Site B facility are estimated to be:

Electronic Equipment costs:	\$165,000;
Tower and antenna costs (including installation):	\$146,000
Site Development costs:	\$327,500
<b>Total:</b>	<b>\$638,500</b>
(AT&T 1, pg.20&21)	

44. The closest off site structure is approximately 850 feet from the proposed tower at Site B. (AT&T 1, pg.13)
45. The zone whose radius is the proposed tower height for Site B lies completely within the boundaries of the property. (AT&T 1, Attachment 6).
46. The design of the proposed monopole at either Site A-1 or Site B would be in accordance with Electronic Industries Association Standard EIA/TIA-222-E "Structural Standards for Steel Antenna Towers and Antenna Support Structures". (AT&T 1, Attachment 5 & Attachment 6)



47. The equipment at either site would be equipped with battery back-up providing a power source for up to eight hours. For periods of prolonged power outages, a mobile generator would be used to operate the facility. (AT&T 3, Response No. 25)

#### **Environmental Considerations**

48. Throughout the construction of the proposed facility, AT&T will establish and maintain soil erosion control measures and other best management practices in accordance with the Connecticut Soil Erosion Control Guidelines, as established by the Council of Soil and Water Conservation. (AT&T 1, pg.19)
49. Inland wetlands were delineated in the vicinity of Site A-1. No wetlands will be disturbed during the construction and operation of the proposed Site A-1 facility. (AT&T 1, pg.18)
50. Inland wetlands were delineated in the vicinity of Site B. A small watercourse and a wetlands area are located along the proposed access drive. The access drive will be designed with a culvert at the point where it intersects the inland wetlands and watercourses to provide for water to flow in its original direction to mitigate any potential adverse impacts. No other wetlands will be disturbed during the construction and operation of the proposed Site B facility. (AT&T 1, pg.19, Attachment 6, AT&T 3, Response No. 19, Tr. 1, pg.47-48)
51. Both sites are located within Flood Zone C, which is defined by the Federal Emergency Management Agency as areas of minimal flooding. (AT&T 1, pg.15)
52. At Site A-1, the Connecticut Department of Environmental Protection ("DEP") identified the potential existence of *Clemmys insculpta*, or wood turtles, a species of State concern, in the general vicinity of Nelson Brook. According to the DEP, Nelson Brook is located far enough away from the proposed site so that impacts to the wood turtles are not anticipated. (DEP letter dated February 13, 2003)
53. At Site B, the Connecticut Department of Environmental Protection ("DEP") identified the potential existence of *Clemmys insculpta*, or wood turtles, in the general vicinity of the property, a species of State concern. (AT&T 1, pg.14, Attachment 7)
54. The DEP did not require a species survey for Site B and has recommended that either (a) construction activities be limited to the wood turtle's dormant period (November to April) in order to avoid affecting the species or (b) that a species survey be conducted prior to construction to determine if a wood turtle population does actually exist at the site and any mitigation measures DEP might recommend. (AT&T 1, Attachment 7, DEP letter dated December 12, 2002)



55. AT&T has agreed to implement all DEP recommendations to minimize impacts on the potential wood turtle population at Site B, including limiting construction activities to the wood turtle's dormant period or conducting a species survey before construction to determine if wood turtles exist at the site. (Tr. 1, pg.38)
56. In response to the State Historic Preservation Officer's ("SHPO") recommendation, AT&T conducted an archaeological reconnaissance survey at Site A-1 and Site B and no cultural resources were found at either site. (AT&T 1, pg.13-14, SHPO letter dated April 28, 2003)
57. According to the State Historic Preservation Officer ("SHPO"), the proposed facility at Site A-1 will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places, and the proposed facility at Site A-1 will have no impact upon properties of traditional cultural importance to Connecticut's Native American community. (SHPO letter dated April 28, 2003)
58. According to the State Historic Preservation Officer ("SHPO"), the proposed facility at Site B will have no effect on historic, architectural, or archaeological resources listed on or eligible for the National Register of Historic Places, and the proposed facility at Site B will have no impact upon properties of traditional cultural importance to Connecticut's Native American community. (AT&T 1, Attachment 7, SHPO letter dated January 28, 2002)
59. Using the methodology detailed in the FCC Office of Science and Technology Bulletin No. 65 ("OET Bulletin 65") which requires a worst-case approach with all antennas transmitting simultaneously at maximum capacity, the power densities at the base of the proposed tower at Site A-1 and at Site B would be  $0.074910 \text{ mW/cm}^2$ . (AT&T 3, Response No. 12)
60. The proposed tower at Site A-1 or Site B would not require registration with the Federal Aviation Administration. (AT&T 1, pg.20, Attachments 5 & 6)
61. AT&T does not expect any blasting to be necessary at either Site A-1 or Site B. (AT&T 3, Response No.13)

### Visibility

62. The proposed tower at Site A-1 will have very limited visual impact on the surrounding area due to the existing mature vegetation in the vicinity of the proposed sites. The top of the proposed Facility may be visible from some residential areas south of Route 44. The tower will be visible from certain locations along Baxter Road and within the multi-hosing development near the junction of Route 195 and Baxter Road, as well as near the intersection of Cedar Swamp Road on Route 44. (AT&T 1, pg. 12, Attachment 5, Tr. 1, pg. 20-21, 29)



63. The proposed tower at Site B will have limited visual impact on the surrounding area. Properties near the proposed facility will have obscured views of the tower due to dense vegetation in the area. The tower may be visible from some residential areas south of Route 44. The top of the tower will be visible from certain locations along Baxter Road and within the multi-hosing development near the junction of Route 195 and Baxter Road. (AT&T 1, pg.13, Attachment 6, Tr. 1, pg. 20-21, 29)

#### **Coverage Needs**

64. The distance along Route 44 that would be covered by either the proposed Site A-1 or Site B facility at 120' AGL is approximately 2.0 miles. The distance along Route 195 that would be covered by either the proposed Site A-1 or Site B facility is approximately 1.75 miles. Route 32 would be covered by either site for approximately a distance of 1.0 miles. (AT&T 3, Response No. 4, Tr. 1, pg. 46-47)
65. The proposed facility would hand off traffic to AT&T's Site CT-821, a proposed 55' wood pole that is the subject of Petition No. 626 before the Council. This proposed site is located at 111 Middle Turnpike, Mansfield. Other adjacent and proposed facilities involve the shared use of a proposed municipal tower (TS-AT&T-078-030120) to the north, co-location on a proposed tower by another carrier to the northeast (CT-826), and an existing site at the UCONN tower to the south (CT-823) (EM-AT&T-078-021205). (AT&T 1, Attachment 3, AT&T 3, Response No. 8).

#### **Shared Use**

66. The proposed facility is structurally and physically designed to accommodate the typical facilities of 5 additional wireless carriers and AT&T would be willing to build a taller or expandable tower at either Site A-1 or Site B to address the Town's interest in ensuring shared use of any new tower facilities as means to avoid the proliferation of towers in Mansfield.

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

PETITION OF AT&T WIRELESS  
PCS, LLC d/b/a AT&T WIRELESS TO THE  
CONNECTICUT SITING COUNCIL FOR  
A DECLARATORY RULING THAT NO  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED IS  
REQUIRED TO CONSTRUCT A 55' TOWER  
FACILITY AT 111 MIDDLE TURNPIKE  
IN THE TOWN OF MANSFIELD

PETITION NO. 626T

**RECEIVED**  
JUL 18 2003  
CONNECTICUT  
SITING COUNCIL  
Date: July 17, 2003

AT&T WIRELESS PCS, LLC  
POST HEARING BRIEF

Respectfully submitted,

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, New York 10601  
(914) 761-1300



## **PRELIMINARY STATEMENT**

AT&T Wireless PCS, LLC d/b/a AT&T Wireless ("AT&T"), by its attorneys, Cuddy & Feder, LLP, respectfully submits this post hearing brief in support of its petition for a declaratory ruling that a Certificate of Environmental Compatibility and Public Need ("Certificate") is not required under the provisions of Connecticut General Statutes ("C.G.S.") Section 16-50k to construct a wood pole tower facility at 111 Middle Turnpike in the Town of Mansfield. For the reasons set forth herein, AT&T respectfully submits that the new Facility proposed by AT&T in Petition 626T presents no significant adverse environmental effects which would otherwise require or warrant review by the Council in a full docket and Certificate proceeding. Indeed, the proposed facility is consistent with several other facilities that the Council has previously approved by Petition as more fully discussed in this post-hearing brief.

## **STATEMENT OF FACTS**

### **I. Proposed AT&T Facility**

On April 30, 2003, AT&T submitted a petition for a declaratory ruling that no Certificate is required to construct a wood pole tower and associated wireless transmitting equipment at 111 Middle Turnpike in the Town of Mansfield. AT&T Ex. 4. As set for in AT&T's Petition, the proposed facility consists of a 55' wood laminate pole, three panel antennas flush mounted and painted to match and associated equipment cabinets on 7' x 13' concrete pad located at the base of the pole. The proposed facility will be surrounded by an 8' chain link fence. Access and utilities would be extended from an existing driveway to the compound (collectively the "Facility").

AT&T Ex. 4.

The property at 111 Middle Turnpike is an approximately 10 acre parcel improved with a residence, garage, and barn owned by Burnham and Megan Thompson. Id. As could be readily identified from the site visit, the proposed Facility would be located in a field with interspersed

mature trees that surround much of the parcel along the property lines. Further, the Facility would be well screened from adjacent parcels of property by the existing mix of evergreen and deciduous trees. AT&T Ex. 4. Views of the Facility as observed at the field visit would be limited to on-site and immediately along the property's frontage along Route 44.

## II. AT&T's Need for the Proposed Facility

Drive test data performed by AT&T indicated that a gap in coverage would exist in the Mansfield Depot area regardless of AT&T's facility siting efforts to the east towards the Four Corners section of Mansfield. AT&T Ex. 6. While the gap presented in the data was not geographically large, it was significant in its location (the junction of Routes 44 and 32) and large enough to require a new wireless facility to provide coverage. Tr., 3pm, pg. 43. Analysis by AT&T RF engineers also revealed that due to the topography of the area, which is essentially a valley, AT&T's proposed tower in Docket No. 247 could not be designed at higher heights to cover the gap in the Mansfield Depot area. Tr., 3pm, pg.61. Similarly, coverage from existing surrounding AT&T sites would not be adequate to provide service in the vicinity of the proposed Facility. Id. Accordingly, the site search was narrow and for the limited purpose of providing coverage along Route 44 for a distance of approximately ½ mile and along Route 32 for a distance of approximately ½ mile. Id. Due to the limited nature of the coverage objective, the site would be considered a "microcell" type of application. Tr., 3pm, pg. 44.

## III. AT&T's Search for Potential Sites

After determining that a facility would be required to provide services in the Mansfield Depot area, AT&T initially targeted two existing smokestacks for installation of a facility in order to provide its services without the need for a new tower structure. Repeated efforts by AT&T to lease space on the smokestacks which are located on UCONN's Depot Campus were rejected by



UCONN. AT&T Ex. 4. It is AT&T's understanding that UCONN has plans to demolish the smokestacks and redevelop that portion of the Depot Campus. Tr., 3pm, pg. 55.

Thereafter, AT&T evaluated properties adjacent to the intersection of Routes 44 and 32 and determined that other State properties including the Correctional Facility were unavailable for lease or inappropriate for the location of a microcell type of facility. AT&T Ex. 4. As such, AT&T approached the Thompson's to discuss leasing a small portion of their property for purposes of building the Facility. As set forth in the Petition itself, a small area to the rear of the Thompson's property adjacent to State owned land was identified as an ideal location for a modest "microcell" facility.

#### IV. Municipal Consultation

Prior to filing Petition 626T with the Council, AT&T representatives gave periodic updates to Town Officials about their search for an appropriate location to site a small facility in the Mansfield Depot. Indeed, to no avail, Town Officials made efforts at getting UCONN to make its campus buildings in the Depot area available to AT&T for possible use. Tr., 7pm, pg. 25. Upon exhausting efforts to avoid construction of a new tower structure over about a 1 year period, AT&T representatives discussed with the Town Planner the proposal as set forth in this Petition and the lack of meaningful alternatives thereto. As noted at the public hearing, the Town Planner advised AT&T that the proposed 55' wood pole was not particularly objectionable as proposed. Tr., 7pm, pg. 13. He of course also noted that the Town might have concerns if the proposal were for a traditional tower facility of the kind proposed in Docket No. 247. Id.

#### V. Notice to Abutters

When AT&T filed its Petition with the Council, it simultaneously noticed private property owners abutting the Thompson property and included a copy of the Petition for their review. See AT&T Ex. 4, Tab B. Written comments were specifically solicited by AT&T. Id. Upon the

scheduling of a public hearing, the Town itself, as a courtesy to its citizens, provided portions of the Petition to all property owners within 500 feet of the Thompson's property and notified them of the June 17, 2003 public hearing to be held by the Siting Council. A copy of the Town's correspondence is in the Council's Record. Notice of the public hearing was also published by the Siting Council.

VI. Public Hearing

AT&T readily acknowledged the interrelationship of the Facility in Petition 626T with the facility proposed in Docket No. 247. Indeed, AT&T suggested that any public hearing on the Petition be combined with the one already scheduled in the Docket. At the combined public hearing for Petition 626T and Docket No. 247, testimony was presented by AT&T regarding the need for the proposed Facility in the Mansfield Depot area, AT&T's various siting efforts and the lack of any substantial environmental effects. Additionally, AT&T's RF Engineer testified, in response to a Town question, that it was highly unlikely that other wireless carriers would need a facility in this area. Tr., 7pm, pg. 25. Indeed, Mr. Julius testified that the situation was unique to AT&T and driven primarily by the fact that AT&T was the lowest carrier on an adjacent tower located at Reilly Mountain in Coventry with significant terrain limitations. Id. As such, AT&T testified that a modest "microcell" type of facility was appropriate in lieu of a "full tower" site. Tr., 7pm, pg. 26-27. Of note, no one from the public spoke at all, let alone in opposition to, the proposed Facility in Petition 626T despite ample notice to the public and an opportunity to be heard.

**POINT I**

**THE SITING COUNCIL HAS DISCRETION TO APPROVE  
NEW TOWER FACILITIES BY PETITION**



The Public Utility Environmental Standards Act (“PUESA”) provides this Council with jurisdiction over telecommunications towers and several other types of utility infrastructure which are defined as “facilities”. See C.G.S. § 16-50i(a). However, not every “facility” as defined in PUESA requires a Certificate of Environmental Compatibility and Public Need. Indeed, the Statute specifically provides that only a facility which “may have a substantial adverse environmental effect” requires a Certificate. C.G.S. § 16-50k (emphasis added). As such, the Council has discretion to determine that a proposed facility, energy or telecommunications, will not have a substantial adverse environmental effect and that no Certificate is required. Indeed, Section 4-176 of the Uniform Administrative Procedure Act and Sections 16-50j-38 and 39 of the Council’s own regulations specifically provide the Siting Council with the regulatory authority to render case-by-case declaratory rulings in a petition process.

Given the foregoing, an applicant has the right to request and advocate that a specific facility, whether new or a modification thereof, will not have a substantial adverse environmental effect. The Council in assessing such a request, as set forth in a petition, has the right, but not the obligation, to conduct a public hearing if it believes further information is required to assess the petitioner’s contentions. See C.G.S. § 4-176(g). The Council can also request additional information from the petitioner in the form of interrogatories and may require notice to abutters at its discretion. R.C.S.A. § 16-50j-40. Ultimately, if the Council finds that a particular facility, new or a modification thereto, will simply not have the potential for any substantial adverse environmental effects, it should reasonably exercise its discretion and order that a Certificate is not required. Indeed, petitions for declaratory rulings are an important regulatory mechanism for the Council to bridge the gap between modifications that are exempt pursuant to Council regulation (R.C.S.A. § 16-50j-72) and facilities which typically and routinely involve potential environmental effects and require review in a Certificate proceeding.

As more fully set forth in Point II, AT&T respectfully submits that the Facility proposed at 111 Middle Turnpike will have no substantial adverse environmental effects and as such, does not require a full Docket and issuance of a Certificate by the Council.

## **POINT II**

### **AT&T'S PROPOSED FACILITY AT 111 MIDDLE TURNPIKE HAS NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECTS**

#### **1. The Proposed Facility Will Have No Substantial Adverse Effect on the Natural Environment**

The surrounding area is rural, sparsely developed and predominated by a State operated correctional facility and a State university campus. The Facility will be constructed in a field on a 10 acre property occasionally used for horseback riding by the property owners. The limits of disturbance of all construction activities will be confined to the extent possible. The access drive will utilize the property owner's existing driveway, and then run along the edge of a cleared field. Utilities will be extended underground generally along the access drive. No clearing would be required for the installation of the proposed Facility and there are no wetlands in the vicinity of the site. As such, AT&T respectfully submits that the proposed Facility will have no adverse environmental effect on the natural environment.

#### **2. The Proposed Modification Will Have No Substantial Adverse Visual Effect**

Existing mature vegetation that surrounds the proposed Facility consists of a mix of evergreen and deciduous trees 50 feet or greater in height. The existing vegetation will conceal the 55' wood pole and flush mounted antennas to such an extent that there will be little or no visibility. In fact, the five foot diameter balloon flown during the field visit was seen primarily on-site and along the property's frontage with Route 44. There was no visibility from short distances away including the abutting parcel where members of the Council parked during the field visit. Moreover, the Facility itself will have less mass than the balloon and will be brown



with antennas painted to match to blend further into the existing tree cover. As such, even if the public and abutting property owners could “see” the Facility, they would probably never even notice it given the design. Accordingly, AT&T’s proposed Facility will have no significant adverse visual impacts.

3. Other Environmental Factors

The operation of AT&T’s antennas will not increase the total radio frequency electromagnetic power density at the site to a level at or above the applicable standards. There will be no adverse impact on any historic sites as the proposed Facility will not be visible from nearby historic properties in Mansfield Depot. The proposed Facility will have no adverse impact on the public’s health and safety or any threatened or endangered species. Indeed, the proposed Facility will enhance the public’s safety and welfare by providing wireless communication and E911 services to residents of Mansfield and those traveling through the Mansfield Depot area. Respectfully, the Facility will have no negative impacts associated with it, let alone any substantial adverse environmental effects.

**POINT III**

**THE PROPOSED FACILITY IS CONSISTENT WITH PRIOR COUNCIL  
DECLARATORY RULINGS INVOLVING NEW FACILITIES**

The Council has issued declaratory rulings that Certificates were not required for other facilities similar or analogous to the Facility proposed by AT&T in this Petition. While each petition must be evaluated on a case-by-case basis, such prior rulings are guiding administrative precedent for the Council to consider and rely upon in deciding what constitutes a facility that “may have a substantial environmental effect.” Set forth below are examples for the Council’s consideration which AT&T respectfully submits are of precedential value. Copies of rulings and

staff reports or applications as referenced are also annexed to this brief for the Council's convenience.

1. Facilities Involving the Placement of New Communications Poles

The Council has issued declaratory rulings that Certificates were not required for at least two new facilities that involved the placement of new communications poles and where no such facility or existing structure previously existed:

Petition 68 – new 50' tall galvanized monopole with antenna and equipment at a gas metering station in Putnam that would be visible to one home - approved.

Petition 73 - new 39' tall wood pole with a 20' whip antenna and equipment adjacent to a reservoir in Greenwich and water company property - approved.

2. Other Analogous Energy Facilities

The Council has also issued declaratory rulings that Certificates were not required for the construction of entirely new transmission lines and associated structures adjacent to existing lines:

Petitions 21 & 22 – new 115 kV lines supported by multiple new wood poles higher in height than the adjacent lines and involving the acquisition of some new right-of-way and clearing of deciduous trees – approved.

Another project of significantly broader scope than the proposed AT&T Facility in this Petition was also deemed by the Council as having no significant adverse environmental impact:

Petition 566 - Connecticut Light and Power was issued a declaratory ruling that no Certificate would be required for the construction of an electric transmission line and a transmission switching station to connect the Meriden Power Project to the electric power grid. This interconnection would be approximately 5900 feet long and supported by fourteen (14) H-frame structures ranging in height from 75' to 100'. The project included an access road, approximately 14' in width, from the generating facility to the switching station. While the nature of and need for the interconnection was evaluated in Docket No. 190, the same can be said about AT&T's Facility given the scope of review in Docket No. 247.

3. Recent & Relevant Telecommunication Facility Petitions by AT&T

Over the course of the past year, AT&T has proposed several new tower facilities which it believed would have no substantial adverse environmental effects. In those instances, AT&T has



sought a declaratory ruling by the Council. A few of the petitions filed by AT&T involved the establishment of a new telecommunications tower facility where none previously existed. Two in particular are relevant to the Council's consideration in this Petition:

Petition 616T – new 60' "flagpole" tower at the Brookfield YMCA in view of a nearby residence – approved.

Petition 633T – new 70' wood laminate pole with flush mounted antennas on a 23 acre farm not visible to adjacent properties – approved.

The only practical difference among the AT&T Facility proposed herein and the facilities approved in Petitions 616T and 633T was that existing significantly shorter non-telecommunications tower structures were proposed to be replaced in Petitions 616T and 633T. New telecommunications tower facilities were nevertheless approved in each instance of greater height than the Facility proposed by AT&T in this Petition.

### **CONCLUSION**

For all of the foregoing reasons, it is respectfully submitted that there is a public need for AT&T's proposed Facility and that its construction and operation involves no substantial adverse environmental effects. AT&T's proposed Facility will have no impact on the natural environment and be barely visible to the public. Furthermore, AT&T's proposed Facility is consistent with other facilities which the Council declared to have no significant adverse environmental impacts and approved petitions for. Given all of the foregoing, AT&T respectfully requests that the Council grant its Petition for a declaratory ruling that no Certificate is required for the construction of a proposed 55' wood pole "tower" Facility at 111 Middle Turnpike in Mansfield.

CERTIFICATE OF SERVICE

I hereby certify that on this day, an original and twenty five copies of AT&T's Post Hearing Brief, dated July 17, 2003, were sent overnight mail to the Connecticut Siting Council.

Dated: July 17, 2003

A handwritten signature in black ink, appearing to read 'CBF', is written over a horizontal line.

Christopher B. Fisher

cc: Jennifer Young Gaudet (CT-821)





# STATE OF CONNECTICUT

POWER FACILITY EVALUATION COUNCIL

STATE OFFICE BUILDING • HARTFORD, CONNECTICUT 06115

PHONE 566-5612

GLORIA DIBBLE POND  
CHAIRPERSON

COMMISSIONERS

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JAMES G. HORSEFALL  
COLIN C. TAIT

CHRISTOPHER S. WOOD  
EXECUTIVE DIRECTOR

RAEANN V. CURTIS  
EXECUTIVE ASSISTANT

June 8, 1981

Mr. Anthony M. Fitzgerald, Esquire  
Carmody and Torrance  
P.O. Box 1110  
Waterbury, Connecticut 06721

RE: Petition No. 68 - Algonquin Gas Transmission Company  
petition for declaratory ruling with respect to the  
installation of an antenna in Putnam, Connecticut.

Dear Mr. Fitzgerald:

The Power Facility Evaluation Council at a meeting held on May 20, 1981 ruled that no certificate of environmental compatibility and public need is required pursuant to section 16-50k(a) of the General Statutes of Connecticut for the Algonquin Gas Transmission Company to install a fifty foot galvanized monopole antenna at Algonquin Gas Transmission's meter station in Putnam, Connecticut. This construction is to be exactly as specified in your letter of April 7, 1981. This decision applies only to Petition No. 68 and is not applicable to any other tower modification or construction.

Yours very truly,

Gloria Dibble Pond  
Chairperson

GDP:RVC:kls



# STATE OF CONNECTICUT

DEPARTMENT OF BUSINESS REGULATION

POWER FACILITY EVALUATION COUNCIL

Petition No. 68  
Putnam, Connecticut  
May 15, 1981

Mr. Doocy, Mr. Clark, and Duncan Reid met Mr. Harney of the Algonquin Gas Transmission Company for a field review of Petition No. 68.

Algonquin Gas Transmission Company proposes to construct a fifty foot tall galvanized monopole antenna within the Putnam meter station site on Arch Street, Putnam, Connecticut. The site consists of two small buildings, a meter station and a data acquisition building, surrounded by a chain link fence. According to the petition, dated April 7, 1981, the site is within an industrial zone. Across the street is a gas meter station owned by Connecticut Light and Power Company. Three houses are visible from the site, two on Brookside Street and one adjacent to the site on Arch Street. The first house on Brookside Street faces the site and has an unobstructed view. The views from the other two houses are obscured by existing vegetation.

The site is level and covered with trap rock. Foundation construction will disturb a small area within the station site.

Duncan C. Reid  
Environmentalist  
May 18, 1981

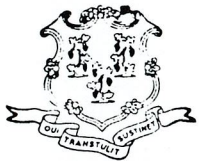
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*Phone 566-5612*

State Office Building — Hartford, Connecticut 06115

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# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

STATE OFFICE BUILDING • HARTFORD, CONNECTICUT 06115

PHONE: 566-5612

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CHAIRPERSON

COMMISSIONERS  
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JAMES G. HORSEFALL  
COLIN C. TAIT

CHRISTOPHER S. WOOD  
EXECUTIVE DIRECTOR

RAFAEL V. CURTIS  
EXECUTIVE ASSISTANT

October 9, 1981

Mr. Reginald L. Babcock  
Counsel  
Connecticut Natural Gas Corporation  
100 Columbus Boulevard  
Hartford, Connecticut 06103

RE: Petition No. 73 Greenwich, Connecticut

Dear Mr. Babcock:

The Connecticut Siting Council at a meeting held on October 1, 1981 ruled that no certificate of environmental compatibility and public need is required pursuant to section 16-50(a) of the General Statutes of Connecticut, for the project as described in your letter of August 28, 1981. This construction is to be exactly as stated in your letter.

This decision applies only to Petition No. 73 and is not applicable to any other power facility, modification or construction.

I am enclosing for your information a copy of the field inspection report of September 25, 1981 by Council members and Council staff along with staff of Connecticut Natural Gas Company.

Please notify the Council upon completion of this project.

Yours very truly,

Gloria Dibble Pond  
Chairperson

GDP:RVC:kp



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

STATE OFFICE BUILDING • HARTFORD, CONNECTICUT 06115

PHONE: 566-5612

Petition No. 73

Greenwich, Connecticut

September 25, 1981

Mr. Gelston, Mr. Clapp, and Duncan Reid met Messrs. Nord and Silba of Connecticut Natural Gas Company for a field review of Petition No. 73.

This petition involves the placement of a 39 foot wood pole telecommunication facility at an existing Connecticut Natural Gas gate station off DeKraft Road in Greenwich. A twenty foot UHF stick type antenna will be mounted at the top of the pole. A small fiberglass equipment enclosure has already been placed on a concrete foundation within the fenced-in gate station area and several hemlocks have been planted around the equipment enclosure.

Access to the site is over a water reservoir access road and then over a short road to the gate station. The site is not visible from the water reservoir access road, and no residences are visible from the site which is surrounded by tall trees. The 160 foot tall water tower situated adjacent to the CNG site is the only prominent feature in the area.

The function of the existing and proposed facility is to provide two way communication for approximately forty service vehicles in the Greenwich area. The existing facility is located on the roof of Greenwich Hospital. The company has experienced frequency interference problems and is concerned about uncontrolled access to the site. A communication consultant has recommended a new site and a change to a higher frequency which will provide greater reliability and will be compatible with frequencies of the Hartford service fleet. This will permit the interchange of service vehicles when necessary.

Duncan C. Reid  
Environmentalist  
September 28, 1981



December 3, 1973

Mr. Donald C. Switzer  
Executive Vice-President  
Northeast Utilities Service Company  
P. O. Box 270  
Hartford, Connecticut 06101

RE: Construction of a 115 Kv electric transmission line from the Groton Town line to Whipple Junction in the Town of Ledyard, a distance of 1.1 miles, as specified in your letters dated October 4, 1973 and November 1, 1973. (Petition No. 22)

Dear Mr. Switzer:

The Power Facility Evaluation Council, at a meeting on November 30, 1973, ruled that no certificate of environmental compatibility and public need is required, pursuant to Section 16-50k(a) of the General Statutes of Connecticut, for the Connecticut Light and Power Company to construct a 115 Kv electric transmission line from the Groton-Ledyard Town line to Whipple Junction exactly as specified in your above referenced letters of October 4, 1973, and November 1, 1973.

This decision applies only to this Petition No. 22, and is not applicable to any other power line construction.

Yours very truly,

William C. Joram, Jr.  
Executive Director

WCJjr/eh



20111017 170.22

NORTHEAST UTILITIES SERVICE COMPANY  
P. O. BOX 270  
HARTFORD, CONNECTICUT 06101  
203-666-6911

DONALD C. SWITZER  
EXECUTIVE VICE-PRESIDENT

October 4, 1973

RECEIVED

OCT 5 1973

POWER FACILITY  
EVALUATION COUNCIL

Mr. William C. Joram, Jr.  
Executive Director  
Power Facility Evaluation Council  
State Office Building (Room 31A)  
165 Capitol Avenue  
Hartford, Connecticut 06115

Dear Mr. Joram:

Northeast Utilities Service Company, as agent for its corporate affiliate, The Connecticut Light and Power Company (CL&P), hereby petitions the Power Facility Evaluation Council for a determination that no certificate of environmental compatibility and public need is required pursuant to Section 16-50k(a) of the General Statutes of Connecticut for the CL&P electric transmission line project described herein. It is submitted that no such certificate is required because the proposed project will not have a substantial adverse environmental effect.

The proposed project will consist of constructing a single circuit 115 kV transmission line on existing right-of-way, a distance of 1.1 miles in the Town of Ledyard from a point known as Whipple Junction southerly to the Groton/Ledyard town line. At this latter location the line will connect with similar construction to be undertaken by the City of Groton. The proposed facility is required to meet the increasing Groton load and is a step in the conversion of the transmission supply to Groton from 69 kV to 115 kV. It is planned to start construction in early 1974 with completion in the summer of 1974.

The proposed construction will consist of erecting twelve single circuit single wood pole structures and installing three 556.5 kcmil ACSR conductors and a 3/8 inch Alumoweld groundwire. The existing right-of-way is 200 feet wide and is already occupied by two 69 kV circuits supported on a 3-pole wood H-frame as shown on the attached sketch. The new line of structures will be approximately 15 feet taller than the existing H-frame and will be located 30 feet east of them. The existing line will not be altered in any manner, nor will the new construction require any additional



Mr. William C. Joram, Jr.

-2-

October 4, 1973

clearing of the right-of-way. The new construction will only be visible to the general public at Whipple Junction, which is approximately 300 feet south of Vinegar Hill Road in Ledyard. Otherwise the line is well screened from viewing by dense second growth.

Section 16-50k(a) provides that the Power Facility Evaluation Council must determine that a proposed project may have a "substantial adverse environmental effect" prior to the requirement that a certificate of environmental compatibility and public need be obtained. It is submitted that the installation of the wood pole structures as described, within the existing right-of-way, will not cause this facility to fall within the statute's concern with significant impact of utility facilities on environment and ecology. The proposed project would cause no discernible adverse effect on the environment or ecology, nor would it damage scenery, historic or recreational values. Accordingly, it is respectfully requested that the Council determine that this proposed project will have no such substantial adverse environmental effect and therefore that no certificate is required.

Communications regarding this petition would be direct to D. C. Switzer, Executive Vice-President, Northeast Utilities Service Company, P. O. Box 270, Hartford, Connecticut 06101 (Telephone: 666-6911).

Very truly yours,

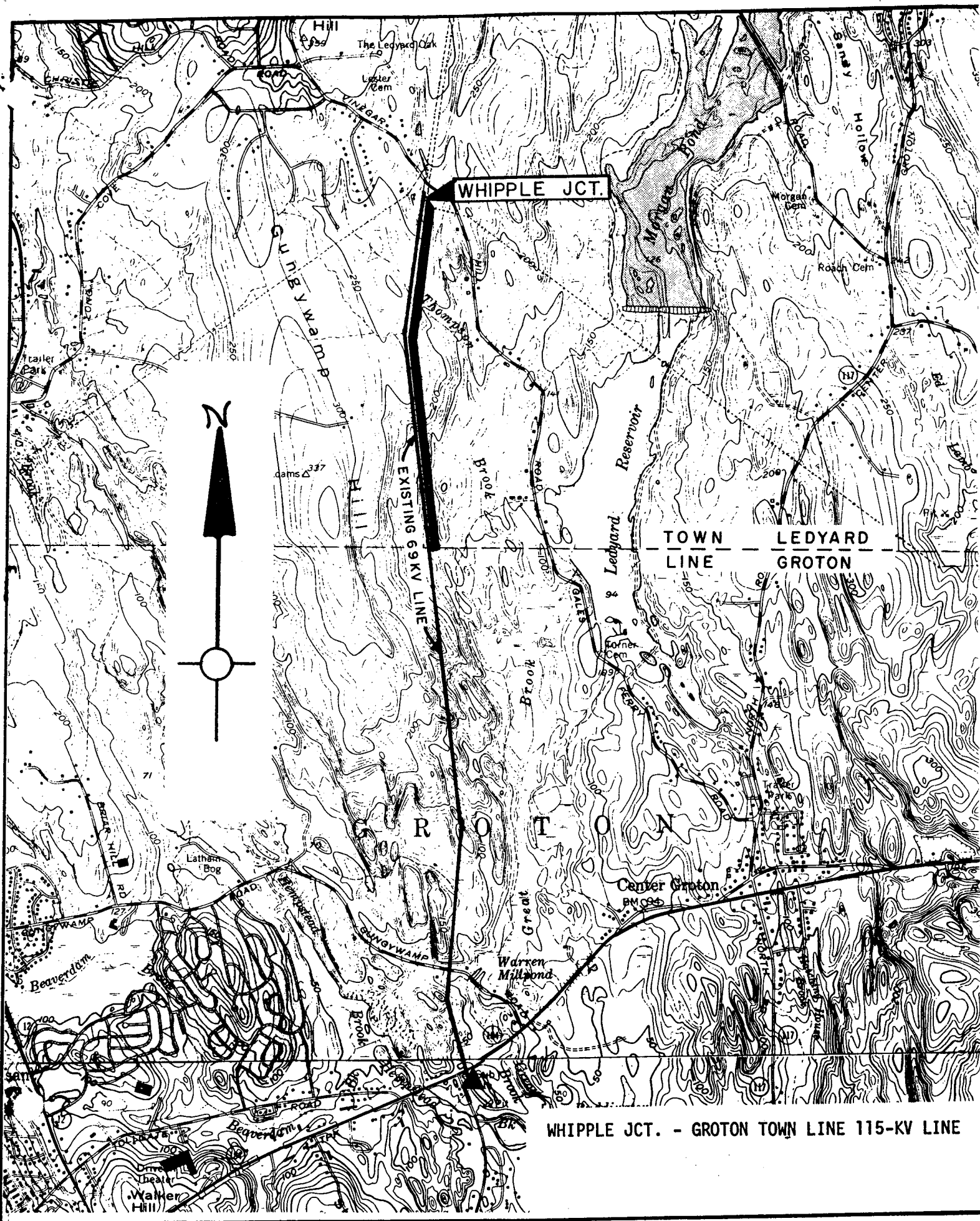
NORTHEAST UTILITIES SERVICE COMPANY



D. C. Switzer  
Executive Vice-President

DCS/mr

attachments

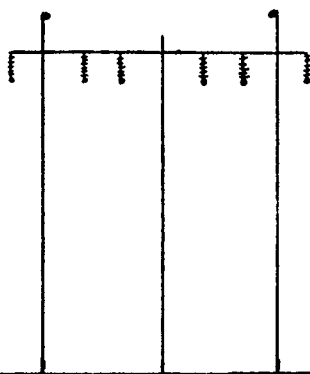


WHIPPLE JCT. - GROTON TOWN LINE 115-KV LINE



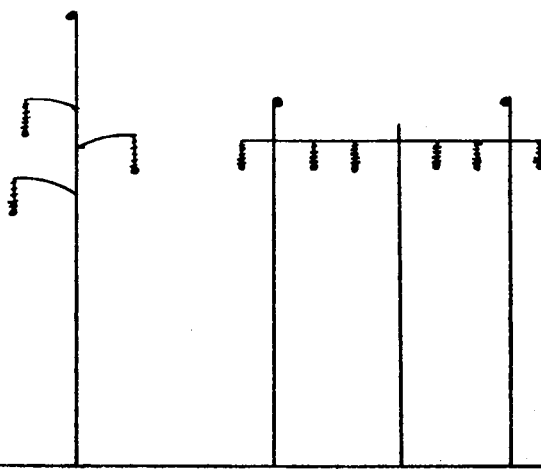
TYPICAL CROSS-SECTION OF RIGHT OF WAY  
FROM WHIPPLE JUNCTION TO LEDYARD-GROTON TOWN LINE, 1.14 MILES  
EXISTING

69KV 3POLE STRUCTURE(556.5ACSR)



PROPOSED

115KV SINGLE CIRCUIT WOOD  
POLE LINE(556.5ACSR)



VIEWS LOOKING TOWARD GROTON

December 3, 1973

Mr. William W. Clinton  
General Manager  
Department of Utilities  
The City of Groton  
295 Meriden Street  
Groton, Connecticut 06340

RE: Construction of a 115 Kv electric transmission line from Buddington Substation to the Groton Town Line, a distance of 1.8 miles as specified in your letter of September 27, 1973, and November 5, 1973. (Petition No. 21)

Dear Mr. Clinton:

The Power Facility Evaluation Council, at a meeting on November 30, 1973, ruled that no certificate of environmental compatibility and public need is required, pursuant to section 16-50k(a) of the General Statutes of Connecticut, for the City of Groton, Department of Utilities to construct a 115 Kv electric transmission line between Buddington Substation and the Groton Town Line exactly as specified in your above referenced letters of September 27, 1973, and November 5, 1973.

This decision applies only to the Petition No. 21, and is not applicable to any other electric power line construction.

Yours very truly,

William C. Joram, Jr.  
Executive Director

WCJjr/eh





THE CITY OF GROTON  
CONNECTICUT  
**RECEIVED** 295 MERIDIAN STREET

NOV 6 1973

06340

POWER FACILITY *Department of Utilities*  
EVALUATION COUNCIL

November 5, 1973

Mr. William C. Joram, Jr., Executive Director  
Power Facility Evaluation Council  
State Office Building (Room 31A)  
165 Capitol Avenue  
Hartford, Connecticut 06115

Re: Petition No. 21

Dear Mr. Joram:

The City of Groton Department of Utilities would request that this letter be considered as a supplement to our September 27, 1973 petition regarding the proposed construction of a single circuit 115 kv transmission line from the Ledyard-Groton Town Line to the Department's Buddington Substation.

We would like to amplify the Department's intent with respect to "selective clearing" of the 38 foot additional width of the right-of-way. By selective clearing, all cedars and other conifers, laurel, dogwoods and other low growing deciduous trees would be left as found, along with any ground cover in the right-of-way area. Tall deciduous trees in direct or potential conflict with the electrical conductors and the supporting structures will be removed.

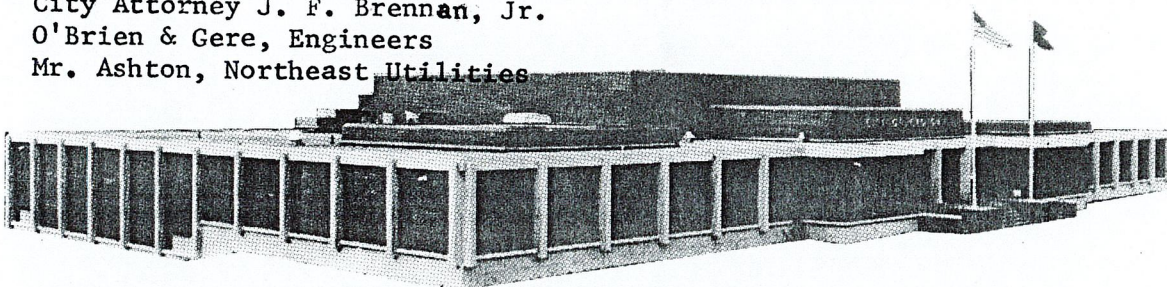
We wish, also, to advise the Council that the right-of-way crossing of Conn. Route #184 will be planted with cedars and selected low-growing deciduous species that will be compatible with the existing adjacent deciduous growth to effectively screen the right-of-way on both the north and south sides of Route #184.

Very truly yours,

THE CITY OF GROTON  
DEPARTMENT OF UTILITIES

*William W. Clinton*  
William W. Clinton  
General Manager

WWC:gsc  
cc: Mr. Leandri  
Mr. Strazza  
Mr. Gangell  
Mr. Burr ridge  
City Attorney J. F. Brennan, Jr.  
O'Brien & Gere, Engineers  
Mr. Ashton, Northeast Utilities







# THE CITY OF GROTON CONNECTICUT

295 MERIDIAN STREET

06340

*Department of Utilities*

**RECEIVED** September 12 1973

Mr. William C. Joram, Jr., Executive Director  
Power Facility Evaluation Council  
State Office Building (Room 31A)  
165 Capitol Avenue  
Hartford, Connecticut 06115

OCT 2 1973  
POWER FACILITY  
EVALUATION COUNCIL

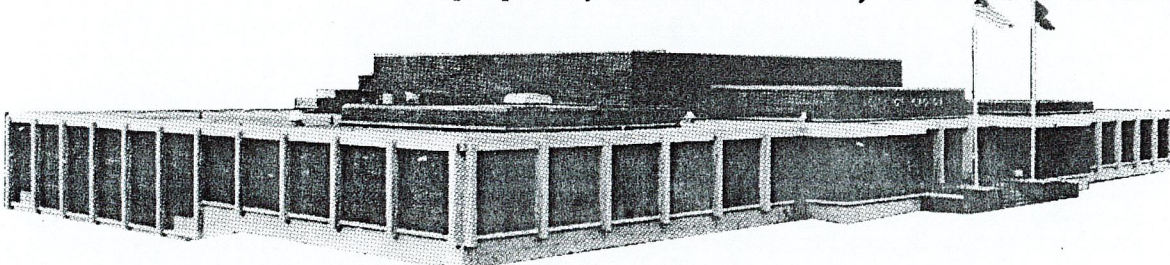
Dear Mr. Joram:

The City of Groton, Department of Utilities, hereby petitions the Power Facility Evaluation Council for a determination that no certificate of environmental compatibility and public need is required pursuant to section 16-50k(a) of the General Statutes of Connecticut for the electric transmission line project described herein. It is submitted that no such certificate is required because the proposed project will not have a substantial adverse environmental effect.

The proposed project will consist of a single circuit 115 kv transmission line constructed largely on existing right-of-way, a distance of 1.8 miles within the Town of Groton from the Groton-Ledyard town line, southerly to the Buddington Substation. At the Town line, the City's proposed 115 kv transmission line will connect with similar construction to be undertaken by The Connecticut Light and Power Company. The proposed line is a step in the conversion of the bulk power supply to Groton from 69 kv to 115 kv. It is planned to start construction in 1974 with completion in the summer of 1974.

The proposed construction will consist of the erection of eighteen (18) single circuit single wood pole structures and the installation of three (3) 556.5 kcmil ACSR conductors and a 3/8 inch Alumoweld ground-wire. The existing right-of-way is 200 feet wide for 1.4 miles out of the total length and is already occupied by two (2) 69 kv circuits supported on 3-pole wood H-frames as shown on the attached sketch. The new line of structures will be approximately 15 feet taller and will be located 30 feet east of the 69 kv circuits. These existing lines will not be altered in any way.

For a distance of approximately 0.4 miles the existing right-of-way is 125 feet wide and it is proposed, in this section, to acquire an addi-







# THE CITY OF GROTON CONNECTICUT

295 MERIDIAN STREET

06340

*Department of Utilities*

September 27, 1973

Mr. William C. Joram, Jr.

-2-

tional 75 feet of rights. For much of the total distance, it will also be necessary to selectively clear the second growth for a width of 38 feet on the east side of the right-of-way. However, for over 0.65 miles, the right-of-way crosses a large tract of land already owned by the City for public water supply protection. The new construction will only be visible from two locations: on Route #184 immediately adjacent to the Buddington Substation and on Gungywamp Road about 0.3 miles north of the Substation. Otherwise, the line is well screened from view by dense second growth.

Section 16-50k(a) provides that the Power Facility Evaluation Council must determine that a proposed project may have a "substantial adverse environmental effect" prior to the requirement that a certificate of environmental compatibility and public need be obtained. It is submitted that the installation of the transmission line as described above will not cause this facility to fall within the statute's concern with significant impact of utility facilities on environment and ecology. The proposed project would cause no discernible adverse effect on the environment or ecology, nor would it damage scenic, historic or recreational values. Accordingly, it is respectfully requested that the Council determine that this proposed project will have no such substantial adverse environmental effect and therefore, that no certificate is required.

Communications regarding this petition should be addressed to:  
Mr. William W. Clinton, General Manager  
City of Groton, Department of Utilities  
295 Meridian Street, P. O. Box 820  
Groton, Connecticut 06340

Very truly yours,

THE CITY OF GROTON  
DEPARTMENT OF UTILITIES

  
William W. Clinton, Gen. Manager

WWC:gsc

Attachments

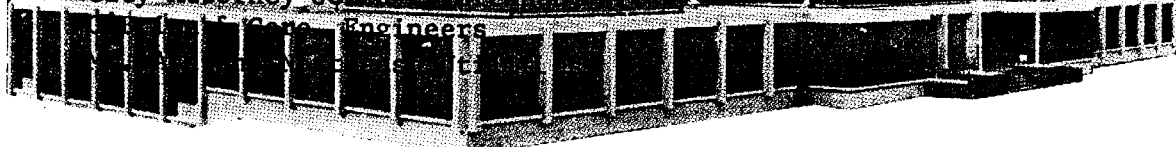
cc: Mr. Leandri

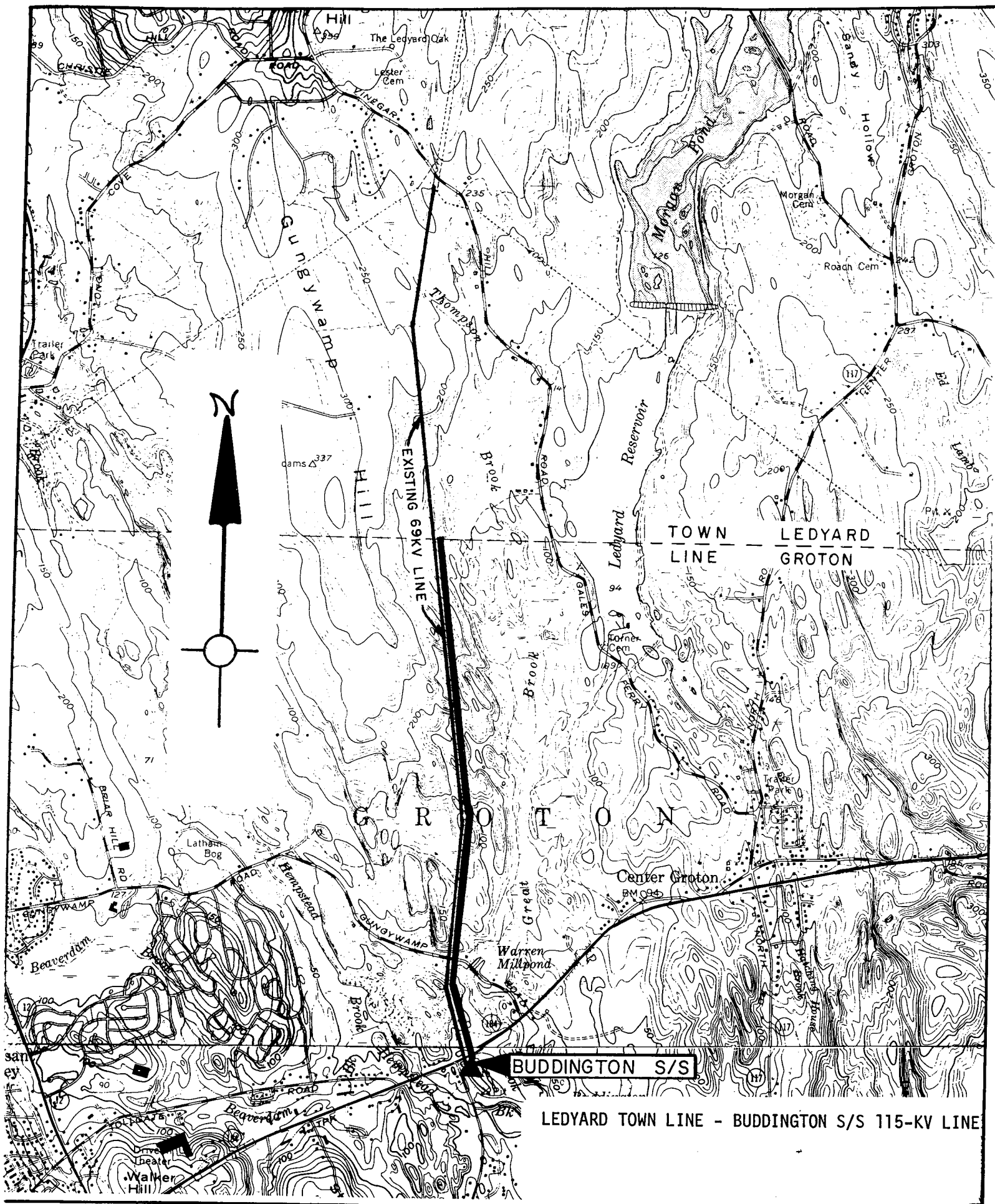
Mr. Strazza

Mr. Gangell

Mr. Burridge

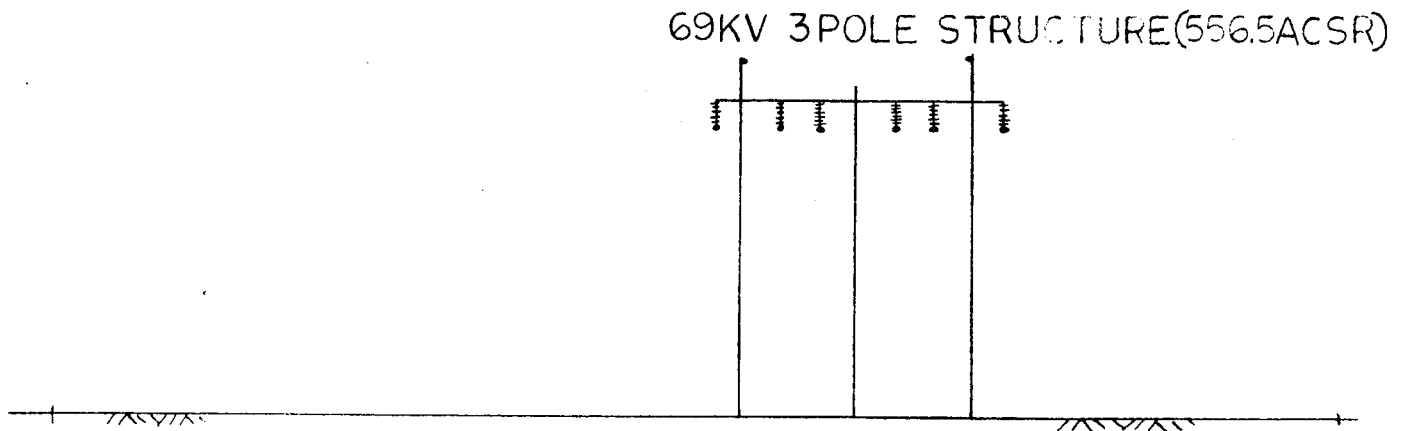
City Attorney





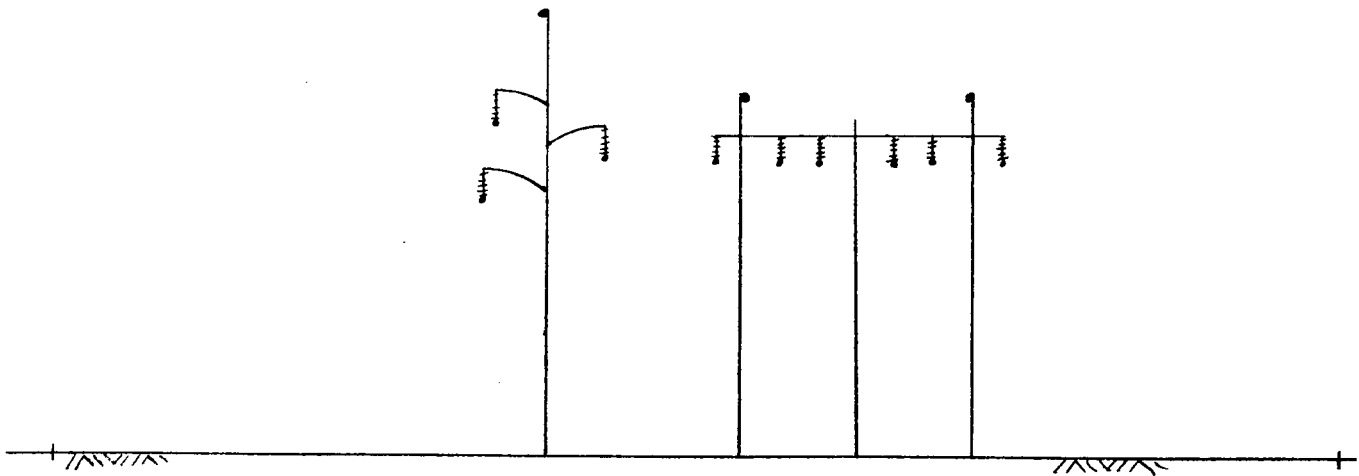


TYPICAL CROSS-SECTION OF RIGHT OF WAY  
FROM LEDYARD - GROTON TOWNLINE TO BUDDINGTON S/S, 1.78 MILES  
EXISTING



PROPOSED

115KV SINGLE CIRCUIT WOOD  
POLE LINE(556.5ACSR)



VIEWS LOOKING TOWARD BUDDINGTON S/S

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

L:\siting\petition\566\dc071102.doc



c: Honorable Paul Argazzi, Mayor, Town of Berlin  
Brian J. Miller, Town Planner, Town of Berlin  
Honorable Mark Benigni, Mayor, City of Meriden  
Roger L. Kemp, City Manager, City of Meriden  
Dominick Caruso, City Planner, City of Meriden  
John Weichsel, Town Manager, Town of Southington  
Mary Hughes, Town Planner, Town of Southington  
Dorian Hill, Connecticut Light & Power Company  
Roger Zaklukiewicz, Connecticut Light & Power Company



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

Petition No. 566

Meriden Gas Turbines LLC and  
The Connecticut Light and Power Company  
Meriden Power Project Electric Interconnection  
Staff Report  
July 11, 2002

On June 7, 2002, Meriden Gas Turbines LLC (MGT) and the Connecticut Light and Power Company (CL&P) submitted a petition to the Connecticut Siting Council (Council) for the construction of an electric transmission line and a transmission switching station to connect the Meriden Power Project to the electric power grid. On July 9, 2002, Council members Philip Ashton and Gerald Heffernan and S. Derek Phelps and Robert Erling of the Council staff met Edward Keith of NRG Energy, Inc. and William Moran of MGT for a field review of this project.

MGT would own the electric transmission line which would be a generator lead line to connect the MGT power plant to the power grid and allow the export of electricity from the plant by connecting to CL&P's #362 345-kV transmission line. This interconnection would be approximately 5900 feet long and placed on overhead wood pole H-frame structures within the joint utility corridor which will contain a portion of the water line and the gas pipelines. An access road from the generating facility to the switching station would be constructed generally along the route of an existing traveled way, and would be approximately 14 feet in width and constructed of crushed rock to a minimum depth of 12 inches. Fourteen wooden H-frame structures ranging in height from 75 to 100 feet would support the electric transmission line. The final route of the joint utility corridor was revised by MGT in April 2002 and approved by the Town of Berlin, City of Meriden, and the Army Corps of Engineers, and the Chairman of the Council.

The proposed South Kensington Switching Station would be approximately one mile northeast of the MGT power plant at the end of the electric transmission line. The switching station yard would be approximately 26,000 square feet in size and located directly beneath CL&P's #348 and #362 lines. These lines would have to be raised, and are the subject of Petition No. 567. Some 15,000 cubic yards of rock would be excavated from the uphill side of the site and used for fill on the downhill side. Excess fill would be removed from the site.

Sulfur Hexafluoride (SF<sub>6</sub>) gas insulated switchgear would be used, which would enable a more compact substation to be constructed. The gas-insulated switchgear includes 3 circuit breakers, disconnect switches, instrument transformers, and relay and control equipment for the breakers. A gas insulated bus system would route electricity within the switchyard. A lighting system would enable emergency work to be performed. A control house on the east side of the switchyard would contain protective relay and control equipment. A well would be located on the south side of the yard, and a septic holding tank installed south of the control house. Back-up power would be supplied by a propane-fueled generator with noise-suppressing features. A grounding grid would be embedded below grade as a safety feature. An eight-foot high fence with barbed wire would surround the switchyard. The switchyard would be constructed by MGT and ownership transferred to CL&P after commissioning.

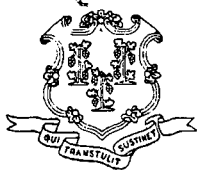


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Potential changes to electric and magnetic fields (EMF) from the transmission line assuming an H-frame configuration have been calculated at a maximum load level of 640 MVA at 362 kV (1020 amperes). The highest magnetic fields would exist at or near mid-span of the line where the conductors would be at their lowest height; in this case, 29 feet above the ground was assumed. The maximum estimated magnetic field in the ROW is estimated at 260 mG at the center of the ROW. With a ROW 161 feet in width, the maximum estimated magnetic field at the edge of the ROW would be 46 mG.

Staff recommends MGT and CL&P submit a Development and Management Plan (D&M Plan) for the construction of the switching station prior to commencement of construction. The D&M Plan should include, at a minimum, the following:

- plans to measure electric and magnetic fields;
- use of erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Erosion and Sediment Control;
- the locations of nearby public hiking trails;
- plans to minimize the size of the switching station and screen it to the greatest extent possible from any public hiking trails by using native tree and shrub species for landscaping; and
- the location of access roads and gates.



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Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

### **CERTIFIED MAIL RETURN RECEIPT REQUESTED**

April 11, 2003

Christopher B. Fisher, Esq.  
Cuddy & Feder & Worby LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **PETITION NO. 616T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction of a telecommunications facility at 2 Huckleberry Hill Road, Brookfield, Connecticut.


Dear Attorney Fisher:

At a public meeting held on April 9, 2003, the Connecticut Siting Council (Council) considered and ruled that this proposal would not have a substantial adverse environmental effect, and pursuant to General Statutes § 16-50k would not require a Certificate of Environmental Compatibility and Public Need.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition, dated March 5, 2003.

Enclosed for your information is a copy of the staff report on this project.

Very truly yours,

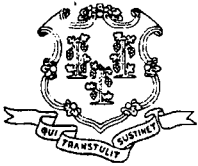
  
Pamela B. Katz, P.E.  
Chairman

PBK/laf

Enclosure: Staff Report dated April 9, 2003

c: Honorable Martin J. Foncello, Jr., First Selectman, Town of Brookfield  
Heather Paton, Land Use Office, Town of Brookfield





# STATE OF CONNECTICUT

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Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

### **Petition No. 616**

### **AT&T Wireless**

### **Brookfield, CT**

### **Staff Report**

**April 9, 2003**

On March 6, 2003, AT&T Wireless PCS, LLC (AT&T) petitioned the Connecticut Siting Council (Council) for a declaratory ruling that the proposed replacement of an existing 25.5-foot flagpole with a new 60-foot stealth flagpole would not have a significant adverse environmental effect, and therefore no Certificate of Environmental Compatibility and Public Need (Certificate) would be required. The existing flagpole and flag stand in front of the entrance to the YMCA at 2 Huckleberry Hill Road in Brookfield, Connecticut. The stealth flagpole would contain a total of six AT&T panel antennas, three at the 55-foot level and three at the 48-foot level of the flagpole. The proposed antennas would provide coverage to nearby Route 7 in Brookfield. Associated equipment cabinets, (two proposed and two future) each measuring 76 inches in height by 30 inches in width by 30 inches in depth would be installed on a concrete pad to be located near the base of the new flagpole. The proposed site of the new flagpole is approximately 75 feet from the existing flagpole.

On March 19, 2003, Gerald Heffernan of the Council and Robert Erling of the Council staff met Gary Kozak of the YMCA, Christopher Fisher of Cuddy & Feder & Worby, Woodney Christopher of Dewberry-Goodkind, Vishal Kataria of Wireless Facilities, Inc., and Tim Parks and Ray Vergati of Optasite, Inc. for a field review of this petition. During the field review, it was noted that one residence across the street from the YMCA, on Huckleberry Hill Road, would have a direct view of the new flagpole and flag. Other buildings in the area are devoted to business, and residences farther along Huckleberry Hill Road would be screened by trees and distance from having views of the new flagpole. The flag on the new flagpole would be somewhat larger than the flag now flying atop the existing flagpole.

Field review members asked if the proposed new flagpole could be placed in the location of the present flagpole, but limited space and engineering constraints would likely preclude such a direct replacement. Additionally, a tree would probably have to be removed at the present location.

The operation of the proposed AT&T antennas within the new flagpole would not result in a total radiofrequency power density level above applicable radiofrequency power density standards at the base of the flagpole. AT&T would install a 6-foot by 10.5-foot concrete pad for its equipment near the base of the flagpole. To screen the equipment, AT&T would plant several evergreen shrubs for screening in front of the HVAC unit, and several 6-foot arborvitae in front of the outdoor equipment cabinets.

On March 26, 2003, Staff contacted AT&T and asked the company to provide a copy of this petition to the owners of the residence directly across the street from the site of the proposed new flagpole, and to solicit their comments regarding this project by April 4, 2003. AT&T notified the owners on March 26 and 28, 2003 via letters and has discovered the property owners no longer live at 3 Huckleberry Hill Road, and have moved from their last known address two years ago. The house at 3 Huckleberry Hill Road is within the Brookfield industrial zone and is identified as a two family rental unit for taxation purposes. To date no response has been received from the property owners or occupants.



# STATE OF CONNECTICUT

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Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

### **CERTIFIED MAIL RETURN RECEIPT REQUESTED**

July 11, 2003

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **PETITION NO. 633T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed replacement of a private utility pole located at 575 Hillstown Road, Manchester, Connecticut.

Dear Attorney Fisher:

At a public meeting held on July 8, 2003, the Connecticut Siting Council (Council) considered and ruled that this proposal would not have a substantial adverse environmental effect, and pursuant to General Statutes § 16-50k would not require a Certificate of Environmental Compatibility and Public Need.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition, dated May 30, 2003, and additional correspondence dated June 27, 2003.

Enclosed for your information is a copy of the staff report on this project.

Very truly yours,

  
Pamela B. Katz, P.E.  
Chairman

PBK/laf

Enclosure: Staff Report dated July 8, 2003

c: Honorable Stephen T. Cassano, Mayor, Town of Manchester  
Richard J. Sartor, General Manager, Town of Manchester  
Thomas R. O'Marra, Zoning Enforcement Officer, Town of Manchester





# STATE OF CONNECTICUT

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Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

Petition No. 633  
AT&T Wireless PCS, LLC  
Manchester, Connecticut  
Staff Report  
July 8, 2003

On June 12, 2003, Connecticut Siting Council (Council) member Colin Tait and Robert Mercier of Council staff met with AT&T Wireless PCS, Inc. (AT&T) representative Christopher Fisher at 575 Hillstown Road in Manchester to review this petition. AT&T proposes to replace an existing 22-foot private utility pole with a 70-foot wood laminate pole modified for telecommunications use. AT&T is petitioning the Council for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need (Certificate) is required for the utility pole replacement.

The utility pole is located in the center of a 23-acre parcel used for agricultural purposes. The pole is located along a road between two trees, one of which is 50 feet in height. AT&T intends to trim the trees to install the wood laminate pole. Two equipment cabinets would be placed on a concrete pad within a fenced compound at the base of the pole. The existing farm drive would provide access to the site. Underground utilities would be installed along the farm drive to the site.

AT&T would install three flush mounted antennas at a centerline height of 70 feet. The site would provide coverage to residential areas of southwest Manchester and Manchester Community College.

The 23-acre parcel is zoned residential and is surrounded by residential development. Existing bands of mature trees provide a visual screening of views from residential areas.

CUDDY & FEDER LLP  
90 MAPLE AVENUE  
WHITE PLAINS, NEW YORK 10601-5196

WILLIAM V. CUDDY  
1971-2000

NEIL J. ALEXANDER (also CT)  
CHARLES T. BAZYDLO (also NJ)  
THOMAS R. BEIRNE (also DC)  
THOMAS M. BLOOMER  
JOSEPH P. CARLUCCI  
LUCIA CHIOCCIO (also CT)  
ROBERT DISIENA  
KENNETH J. DUBROFF  
ROBERT FEDER  
CHRISTOPHER B. FISHER (also CT)  
ANTHONY B. GIOFFRE III (also CT)  
SUSAN E.H. GORDON  
KAREN G. GRANIK  
JOSHUA J. GRAUER  
KENNETH F. JURIST  
MICHAEL L. KATZ (also NJ)  
JOSHUA E. KIMERLING (also CT)  
DANIEL F. LEARY (also CT)  
BARRY E. LONG

(914) 761-1300  
FACSIMILE (914) 761-5372/6405  
www.cfwlaw.com

500 FIFTH AVENUE  
NEW YORK, NEW YORK 10110  
(212) 944-2841  
FACSIMILE (212) 944-2843

WESTAGE BUSINESS CENTER  
300 SOUTH LAKE DRIVE  
FISHKILL, NEW YORK 12524  
(845) 896-2229  
FACSIMILE (845) 896-3672

NORWALK, CONNECTICUT

WILLIAM S. NULL  
DAWN M. PORTNEY  
ELISABETH N. RADOW  
NEIL T. RIMSKY  
RUTH E. ROTH  
JONATHAN S. SAUL (also NJ)  
JENNIFER L. VAN TUYL  
CHAUNCEY L. WALKER (also CA)

Of Counsel  
ANDREW A. GLICKSON (also CT)  
ROBERT L. OSAR (also TX)  
MARYANN M. PALERMO  
ROBERT C. SCHNEIDER

July 17, 2003

BY FAX & OVERNIGHT MAIL

Hon. Pamela B. Katz, Chairman  
and Members of the Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051

RECEIVED  
JUL 18 2003

CONNECTICUT  
SITING COUNCIL

Re: AT&T Wireless PCS, LLC  
Application for a Certificate of Environmental Compatibility  
and Public Need  
Telecommunications Facility, Mansfield, Connecticut  
Docket Number 247

- and -

Petition for a Declaratory Ruling that  
No Certificate of Environmental Compatibility and  
Public Need is Required for a 55' "Tower" Facility  
Mansfield, Connecticut  
Petition No. 626T

Dear Chairman Katz and Members of the Council:

We respectfully submit this letter on behalf of AT&T Wireless ("AT&T") which contains post-hearing comments in Docket No. 247 (in lieu of a separate brief) and information requested by the Council in Petition No. 626T. Additionally, enclosed please find Proposed Findings of Fact in Docket No. 247 and a Post Hearing Brief in support of Petition No. 626T.



July 17, 2003

Page 2

Docket No. 247 Post-Hearing Comments

In this Docket, AT&T proposes to construct a cellular tower facility at one of two locations identified as Site A-1 and Site B within the Town of Mansfield. As part of the pre-hearing process and based on the testimony of Mr. Arthur Julius at the hearing, AT&T demonstrated that the proposed facility is an integral part of AT&T's deployment of its wireless communications network and is needed to provide service along U.S. Route 44, State Route 195 and State Route 32 in the Town of Mansfield. AT&T also demonstrated that no existing structures or towers could be utilized to provide such services in this area of the State. Indeed, other towers in Mansfield are already being used or proposed for use by AT&T as part of its network deployment to provide coverage in other areas of the Town. As such, a new tower facility is required near the Mansfield Four Corners area of Town in order to provide wireless services to the public.

One of the proposed sites presented in the Docket was the result of AT&T's own search for properties on which to construct a tower in this area and the other proposed site was the result of both AT&T's search and an exchange of information with Town of Mansfield officials and residents during the municipal consultation process. As identified by Ms. Jennifer Young Gaudet, Site A-1 was suggested as a location during the consultation process because of the commercial uses located on the property. AT&T re-approached the owner of Site A-1 and upon obtaining a lease, submitted it in lieu of an alternative on another property (Original Site A) that was not preferred by several residents who live on Baxter Road in the Town.

Both Site A-1 and Site B are located at almost identical elevations. As testified by Mr. Arthur Julius at the hearing, either site at 120' would provide comparable coverage to the area AT&T seeks to serve. Consequently, AT&T seeks approval for a tower height of 120' at either site to meet its minimum radiofrequency coverage requirements.

Neither site presents significant adverse environmental effects which would outweigh the need for a facility to provide coverage in this area of Mansfield. Site B has some wetland impacts along a lengthy access drive which would require the construction of a culvert while Site A-1 is far removed from such wetlands and utilizes an existing access drive. Any wood turtle populations that may exist in the vicinity of Nelson Brook will not be impacted by either Site A-1 or Site B. Both tower compound locations were sited to balance and minimize other potential impacts, including primarily visibility of the tower structures, while at the same time providing the opportunity for shared use of the towers by others.

The towers at either Site A-1 or Site B would not visually impact any significant aesthetic or scenic resources. Views from residences near the junction of Baxter Road and Route 195 will be very limited given the existing mature vegetation in the vicinity of the proposed sites. Similarly, views from residences at the intersection of Cedar Swamp Road and Route 44 will

July 17, 2003

Page 3

also be limited. Indeed, the Town of Mansfield Town Planner noted at the hearing that the proposed locations are not readily visible from most of the nearby roadways. Additionally, the sites will not impact the Four Corners area which is considered a "gateway" for the Town.

At the hearing, the Town of Mansfield Town Planner summarized comments from the Town Council and Planning and Zoning Commission regarding AT&T's proposed Facility in Docket No. 247. The Town Planner expressed as the Town's primary concern that the Council address future and not yet identified carrier needs in order to prevent the proliferation of towers in Town while meeting the needs of the community. As indicated in the record, AT&T's proposed Facility is designed to accommodate up to five additional wireless carriers and could and would be built for expansion if required by the Council.

Of note, no one from the public or Town officials specifically opposed construction of a tower at either Site A-1 or Site B during the hearing. One resident opposed the proposed access drive associated with Site B at the field visit. One other resident whose primary concern was flooding associated with Site B, had her questions addressed by AT&T's engineers. Nevertheless and given all of the foregoing, AT&T respectfully submits that approval of either Site in the Docket and the issuance of a Certificate would be appropriate and meets the statutory criteria set forth in Section 16-50p of the General Statutes.

Petition No. 626T Information Requested by the Council

AT&T respectfully submits that the tower facility proposed in Petition No. 626T has no substantial adverse environmental effects associated with it. Indeed, as detailed in the enclosed post-hearing brief, the AT&T tower facility at 111 Middle Turnpike is similar in nature and scope to many facilities that have been approved by the Council in the past through the petition process. The enclosed post hearing brief includes a Statement of Facts, and in order to avoid unnecessary duplication and repetition, a separate set of proposed findings of fact have not been prepared by AT&T for use by the Council in Petition No. 626T. Additionally, at the hearing, the Council requested that the estimated costs of construction for the proposed site at 111 Middle Turnpike be provided as a late filing. They are generally as follows:

Electronic Equipment:	\$113,400
Laminated Wood Pole and Antennas:	\$ 32,200
Site Development:	\$119,000
Total:	\$264,600.



July 17, 2003

Page 4

Conclusion

AT&T submits that the record in these proceedings support that there is a public need for the facilities proposed in Docket No. 247 and Petition No. 626T. Moreover, the record clearly demonstrates that any environmental effects resulting from the construction of a facility at Site A-1 or Site B as identified in Docket No. 247 are not significant nor would any such effects outweigh the public need for the proposed facility. Further, that the facility proposed in Petition No. 626T will have no significant adverse environmental effects which would otherwise warrant review by the Council in a full docket and Certificate proceeding. Given all the foregoing, it is respectfully submitted that it would be well within the Council's reasonable exercise of discretion to approve either Site A-1 or Site B as proposed by AT&T in Docket 247 and issue a Certificate therefor and to issue a declaratory ruling that no Certificate is required for the facility proposed in Petition No. 626T.

Once again, we thank you for your consideration as you deliberate and conclude your review in this Docket and Petition.

Very truly yours,



Christopher B. Fisher

Enclosures

cc: Jennifer Young Gaudet  
Johnny R. Salmon, Bechtel



# STATE OF CONNECTICUT

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Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

### **CERTIFIED MAIL RETURN RECEIPT REQUESTED**

September 12, 2003

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **PETITION NO. 626T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a wireless telecommunications facility at 111 Middle Turnpike, Mansfield, Connecticut.

Dear Attorney Fisher:

At a public meeting held on September 9, 2003, the Connecticut Siting Council (Council) considered and ruled that this proposal would not have a substantial adverse environmental effect, and pursuant to General Statutes § 16-50k would not require a Certificate of Environmental Compatibility and Public Need with the condition that a Development and Management Plan be submitted for the Council's review and approval prior to the commencement of construction.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction.

Enclosed for your information is a copy of the Findings of Fact on this project.

Very truly yours,

A handwritten signature in black ink, appearing to read "Pamela B. Katz" followed by a stylized flourish.

Pamela B. Katz, P.E.  
Chairman

PBK/laf

Enclosure: Findings of Fact dated September 9, 2003

c: Honorable Elizabeth Patterson, First Selectman, Town of Mansfield  
Gregory Padick, Town Planner, Town of Mansfield  
Mr. Martin H. Berliner, Town Manager, Town of Mansfield



<b>PETITION 626T – AT&amp;T Wireless PCS, LLC d/b/a AT&amp;T</b>	}	Connecticut
Wireless petition for a Declaratory Ruling that no Certificate of	}	
Environmental Compatibility and Public Need is required to	}	Siting
construct a 55-foot tower facility at 111 Middle Turnpike,	}	
Mansfield, Connecticut.	}	Council

September 9, 2003

### Findings of Fact

1. Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("RCSA"), AT&T Wireless PCS, LLC d/b/a AT&T Wireless ("AT&T") petitioned the Connecticut Siting Council ("Council") on April 30, 2003 for a declaratory ruling that a Certificate of Environmental Compatibility and Public Need ("Certificate") is not required under the provisions of Connecticut General Statutes ("CGS") Section 16-50k to construct a tower at 111 Middle Turnpike, Mansfield, Connecticut. (AT&T Petition, p. 1)
2. AT&T is licensed by the Federal Communications Commission ("FCC") to provide PCS services in the area of Connecticut that includes Mansfield. (AT&T Petition, p. 3)
3. The Council, after giving due notice thereof, held a public hearing on this petition in conjunction with the public hearing on the related Docket 247 on June 17, 2003, beginning at 3:00 p.m. and continuing at 7:00 p.m. in Mansfield, Connecticut. (Transcript, June 17, 2003, 3:00 p.m. [Tr. 1], p. 6)
4. The tower AT&T seeks to construct would be located on property known as 111 Middle Turnpike and owned by Burnham and Megan Thompson. The property is located near the intersection of U.S. Route 44 and State Route 32 near the University of Connecticut's ("UCONN") Depot Campus. There are a residence, a garage, and a barn on the 10 acre property that includes a field interspersed with trees. Mature trees surround much of the property along the property lines. (AT&T Petition, p. 2)
5. At this site, AT&T would install one 55-foot tall, wood laminate pole in the northern corner at the rear of the property. AT&T would flush-mount three antennas on the pole with a centerline of 52.5 feet. (AT&T Petition, p. 3)
6. The pole would be located at latitude 41° 48' 14.14" N and longitude 72° 18' 18.07" W. (AT&T Petition, Site Access Map)
7. The closest residence to the proposed tower is 320 feet away. There are 11 residences within 1,000 feet of the tower. (Pre-Hearing Interrogatory, AT&T Response No. 4)
8. The purpose of the tower would be to provide coverage for an approximately half mile distance on both Route 44 and Route 32 in the vicinity of their intersection. This coverage gap is caused by a dip in topography and AT&T's low position on the facility on Riley Mountain in Coventry. (Tr. 1, pp. 57, 61)

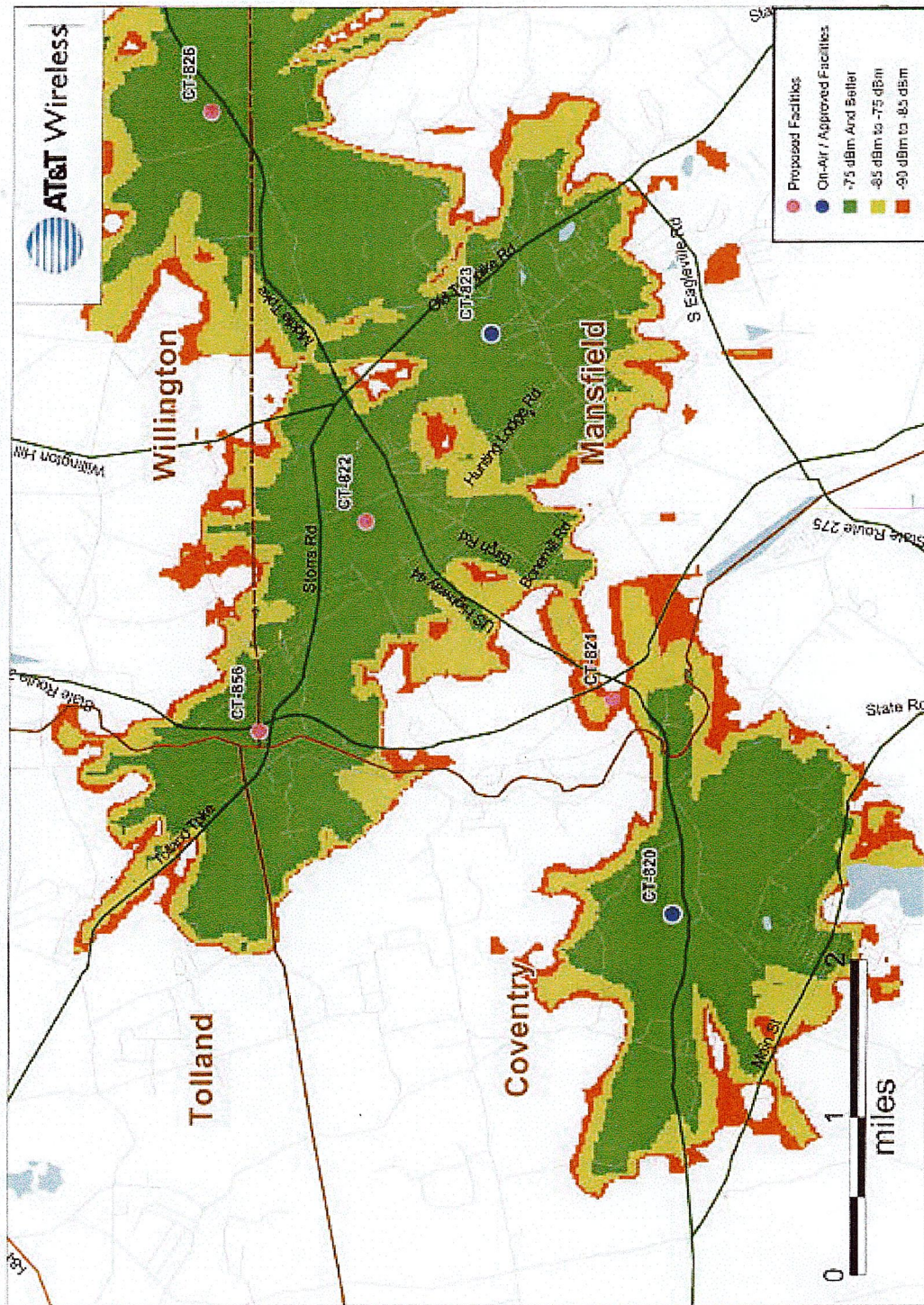
9. Associated ground equipment would be installed on a 7-foot by 13-foot concrete pad near the base of the tower. The tower and equipment pad would be surrounded by an 8-foot high chain link fence. (AT&T Petition, p. 3)
10. AT&T sought permission from UCONN officials to install its antennas on smokestacks that are on the UCONN Depot Campus. UCONN officials denied AT&T permission to use the smokestacks because they had other plans for the Depot Campus. (AT&T Petition, p. 3; Tr. 1, p. 55)
11. AT&T sent a letter discussing its tower proposal and a copy of the petition submitted to the Council to abutting property owners, other than the State of Connecticut. (AT&T Petition, p. 4)
12. The proposed facility is not inimical to the planning program of the Connecticut Department of Transportation. (Facsimile transmission received from ConnDOT on June 24, 2003)
13. During a field review of the proposed site held on June 17, 2003 before the public hearing in conjunction with Docket 247, the applicant flew a balloon to simulate the height of the proposed tower. At the time of the site inspection, the winds were light, and the balloons flew perpendicular to a height of 55 feet. The balloons were in the air by about 11:30 a.m. and were flown until 7:00 p.m. (Tr. 1, p. 19)
14. Access to the tower would be via the property owners' existing driveway and along the edge of a cleared field. Utilities to the tower site would run underground along the access drive. (AT&T Petition, p. 4)



## Area Coverage without Petition Site

111 MIDDLE TURNPIKE

PROPOSED SITE A NEIGHBOR RF COVERAGE; ANTENNA CENTERLINE: 52.5 FT

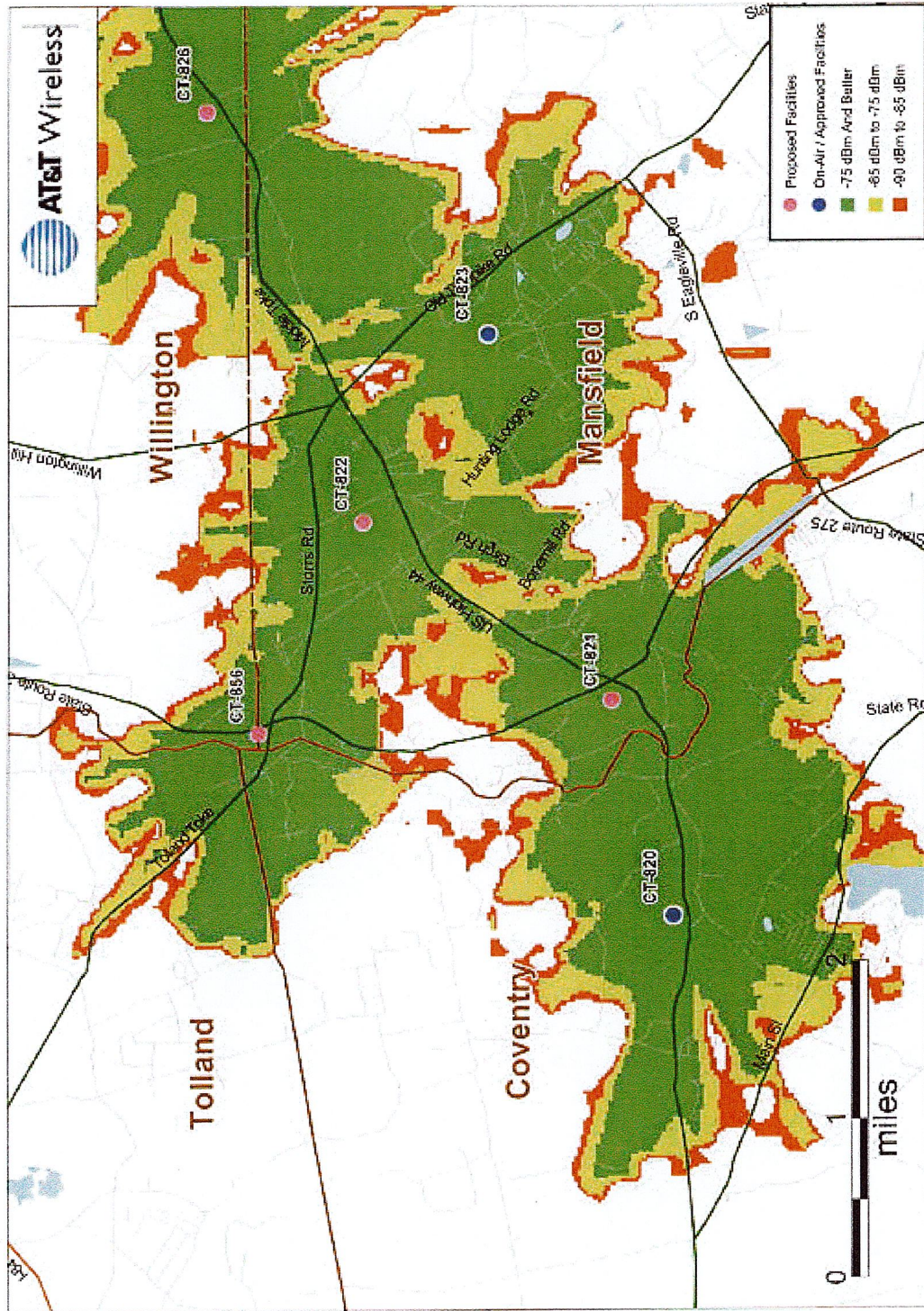




**Map 2:**  
**Area Coverage with Petition Site**

AT&T WIRELESS SERVICES  
111 MIDDLE TURNPIKE

PROPOSED SITE A COMPOSITE RF COVERAGE; ANTENNA CENTERLINE: 52.5 FT





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KENNETH J. DUBROFF  
ROBERT FEDER  
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ANTHONY B. GIOFFRE III (also CT)  
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JOSHUA J. GRAUER  
LAWRENCE E. HOROWITZ (also NJ, FLA)  
KENNETH F. JURIST  
MICHAEL L. KATZ (also NJ)  
JOSHUA E. KIMERLING (also CT)  
DANIEL F. LEARY (also CT)  
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JENNIFER L. VAN TUYL  
CHAUNCEY L. WALKER (also CA)

Of Counsel  
ANDREW A. GLICKSON (also CT)  
ROBERT L. OSAR (also TX)  
MARYANN M. PALERMO  
ROBERT C. SCHNEIDER

October 15, 2003  
**RECEIVED**  
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CONNECTICUT  
SITING COUNCIL

BY FEDERAL EXPRESS  
Mr. S. Derek Phelps  
Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, Connecticut 06051

Re: AT&T Wireless PCS LLC – D&M Plans  
Mansfield, Connecticut  
Docket No. 247;  
Petition No. 626

Dear Mr. Phelps:

Submitted herewith are 25 sets of plans and other materials relevant to AT&T Wireless PCS LLC's ("AT&T") Mansfield Site A-1 Facility in Docket No. 247. The enclosed are being filed in accordance with the Council's Decision and Order and Certificate of Environmental Compatibility and Public Need ("Certificate") dated September 9, 2003. Also submitted are 25 sets of plans and other materials relevant to AT&T's Facility at 111 Middle Turnpike which are filed in accordance with the Council's declaratory ruling in Petition No. 626, dated September 12, 2003.

The proposed D&M Plan for AT&T's Site A-1 Facility includes a 120' monopole, slightly relocated, as provided for in Order No. 2. The tower has been designed with a yield point and located 70' from the property line to maximize screening to adjacent properties and provide for a "fall zone". In order to accommodate future collocation, the tower and foundation are designed to accommodate up to six carriers in configurations as shown in the structural. One

October 15, 2003

Page 2

carrier, AT&T Wireless, is currently planned for the initial construction and will install 6 panel antennas on a tri-mount (small collar with T-arms) at a centerline of approximately 119'-6". Specifications for the proposed antennas (model 7250.03) and mount are enclosed.<sup>1</sup>

As required by Order No. 4, the proposed D&M Plan includes detailed site plans of the access road, a fenced compound and underground utility lines. Also included are the tower and foundation designs, detailed antenna and mounting specifications, and equipment building and security fence details. The proposed D&M Plan also includes construction plans for the site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control as amended.

Furthermore, as required by Order No. 3 and in accordance with the provisions of RCSA Section 16-50j-77, AT&T Wireless hereby notifies the Council of its intention to conduct construction activities between November 1 and April 1 in order to minimize any impacts to potential wood turtle (*Clemmys insculpta*) populations that may occur at the site.

The proposed D&M Plan for the facility proposed at 111 Middle Turnpike includes a 55' wood laminate pole as provided for in the Council's Findings of Fact dated September 8, 2003. AT&T Wireless will flush-mount 3 panel antennas at a centerline of approximately 51'. Specifications for the proposed antennas (model 7250.03) are enclosed. The proposed D&M Plan also includes detailed site plans of the access road, a fenced compound and underground utility lines. Also included are the tower and foundation designs, detailed antenna and mounting specifications, and equipment building and security fence details. The proposed D&M Plan includes construction plans for the site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control as amended.

In accordance with the provisions of RCSA Section 16-50j-77, AT&T Wireless hereby notifies the Council of its intention to begin access work, followed by construction of the foundations, wood laminate pole and associated equipment at the 111 Middle Turnpike site immediately after Council approval of the D&M Plan. AT&T Wireless expects all construction to be completed by January, 2003.

The supervisor for all construction related matters on these projects is Mr. Jim Hosack of Bechtel. Mr. Hosack is located at 210 Pomeroy Avenue, Meriden, Connecticut 06540 and can be reached by telephone at (203) 630-9042.

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<sup>1</sup> These antennas are approximately half the surface area and weight of those assumed in the tower design and identified in the structural (Allgon 7920).

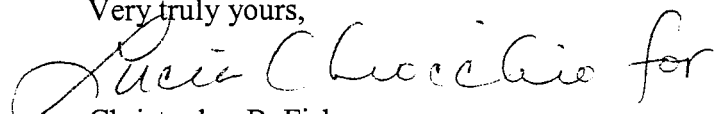


CUDDY & FEDER LLP

October 15, 2003  
Page 3

We respectfully request that these matters be included on the Council's October 14, 2003 agenda for review and approval. Thank you for your consideration of the enclosed.

Very truly yours,

  
Christopher B. Fisher

Enclosure

Cc: Mayor Elizabeth C. Paterson, Town of Mansfield  
Gregory Padick, Town Planner, Town of Mansfield  
Jennifer Young Gaudet (CT-821 & CT-822)  
Jim Hosack  
Johnny Salmon



**PennSummit  
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**STRUCTURAL ENGINEERS**  
250 East Broad Street, Suite 500, Columbus, Ohio 43215  
(614) 221-6679 Fax: (614) 448-4103 www.PJFweb.com

### JOB DATA

Page 1 of 2	Job No.	29203-0309
By MFP	Design No.	#20836
Chk'd By MFP	Date	
Pole 120-FT MONOPOLE	Rev. No. 1	Rev. Date 10-13-2003
Site CT-822, MANSFIELD, TOLLAND CO., CT		
Owner AT&T		
Ref. No.		
Design 85 MPH / 74 MPH + 1/2" RADIAL ICE		
ACCORDING TO TIA/EIA-222-F 1996		

### LOAD CASES

CASE 1: 85 MPH WITH NO ICE	DESIGN WIND
CASE 2: 74 MPH WITH 1/2" RADIAL ICE	REDUCED WIND WITH ICE
CASE 3: 50 MPH WITH NO ICE	OPERATIONAL WIND

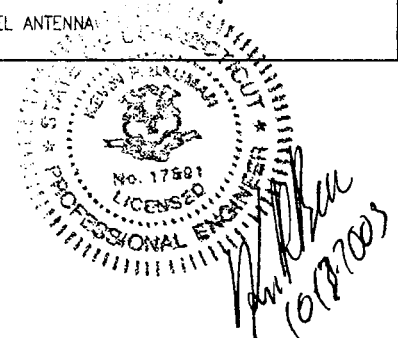
### POLE SPECIFICATIONS

Pole Shape Type:	18-SIDED POLYGON
Taper:	0.290000 IN/FT
Shaft Steel:	ASTM A607 GRADE 65
Base P. Steel:	ASTM A572 GRADE 55 (55 KSI)
Anchor Bolts:	2 1/4" x 8'-0" LONG #18J ASTM A615 GRADE 75

### ANTENNA LIST

No.	Elev	Description
-	TOP	5/8" DIAM. X 8' LIGHTNING ROD
1-6	119.50	(6) ALLGON 7920 PANEL
-	119.50	TRI-ANTENNA MOUNT
7-12	110.00	(6) 48" X 12" X 3" PANEL ANTENNA
-	110.00	(3) 10' T-ARM MOUNTS
13-18	100.00	(6) 48" X 12" X 3" PANEL ANTENNA
-	100.00	(3) 10' T-ARM MOUNTS
19-24	90.00	(6) 48" X 12" X 3" PANEL ANTENNA
-	90.00	(3) 10' T-ARM MOUNTS
25-27	80.00	(3) 48" X 12" X 3" PANEL ANTENNA
-	80.00	TRI-ANTENNA MOUNT
28-30	70.00	(3) 48" X 12" X 3" PANEL ANTENNA
-	70.00	TRI-ANTENNA MOUNT

STEP BOLTS FULL HEIGHT.  
ANTENNA FEED LINES RUN INSIDE OF POLE.



### 85 MPH WIND

Elevation	Lateral Deflection (Inches)	Rotation (sway) (degrees)	Lateral Deflection (Inches)	Rotation (sway) (degrees)
TOP	35.2	2.694	12.2	0.932

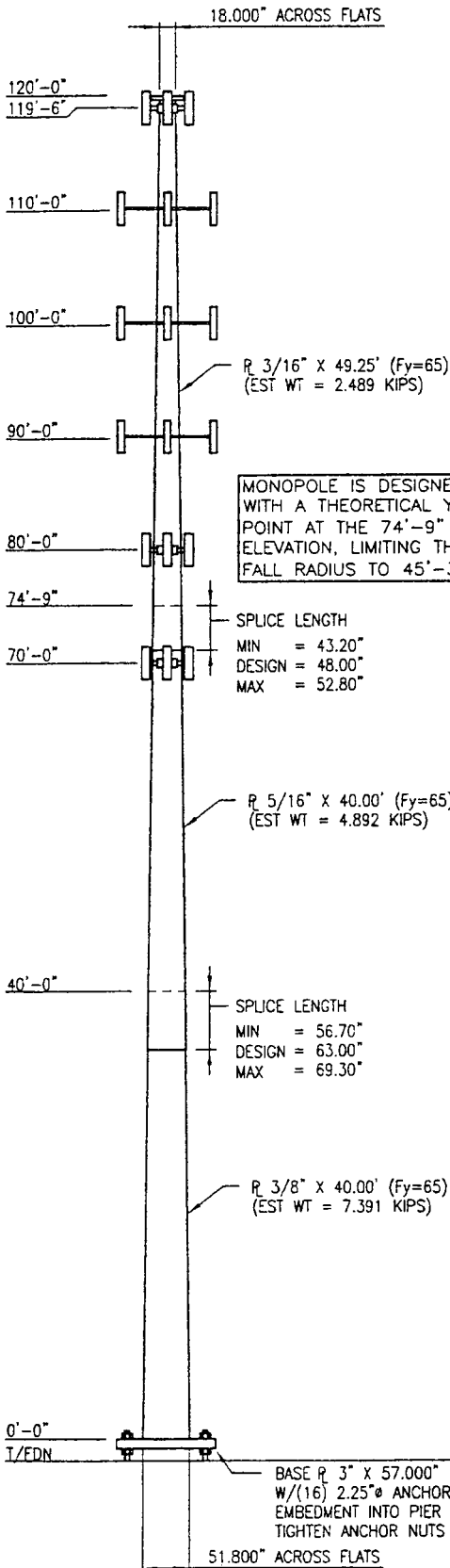
### SHAFT SECTION DATA

Shaft Section	Section Length (feet)	Plate Thickness (in.)	Lap Splice (in.)	Diameter Across Flats (inches)	
				@ Top	@ Bottom
1	49.25	0.1875	48.00	18.000	32.283
2	40.00	0.3125	63.00	30.747	42.347
3	40.00	0.3750		40.200	51.800

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES

### BASE REACTIONS FOR FOUNDATION DESIGN

MOMENT = 3000 ft-kips  
SHEAR = 38 kips  
AXIAL = 22 kips



G:\TOWER\DRAWINGS\MONOPOLE\292-2003\292030309M000.DWG MPLAHOVINSK WED 01-OCT-2003 10:07:19 AM



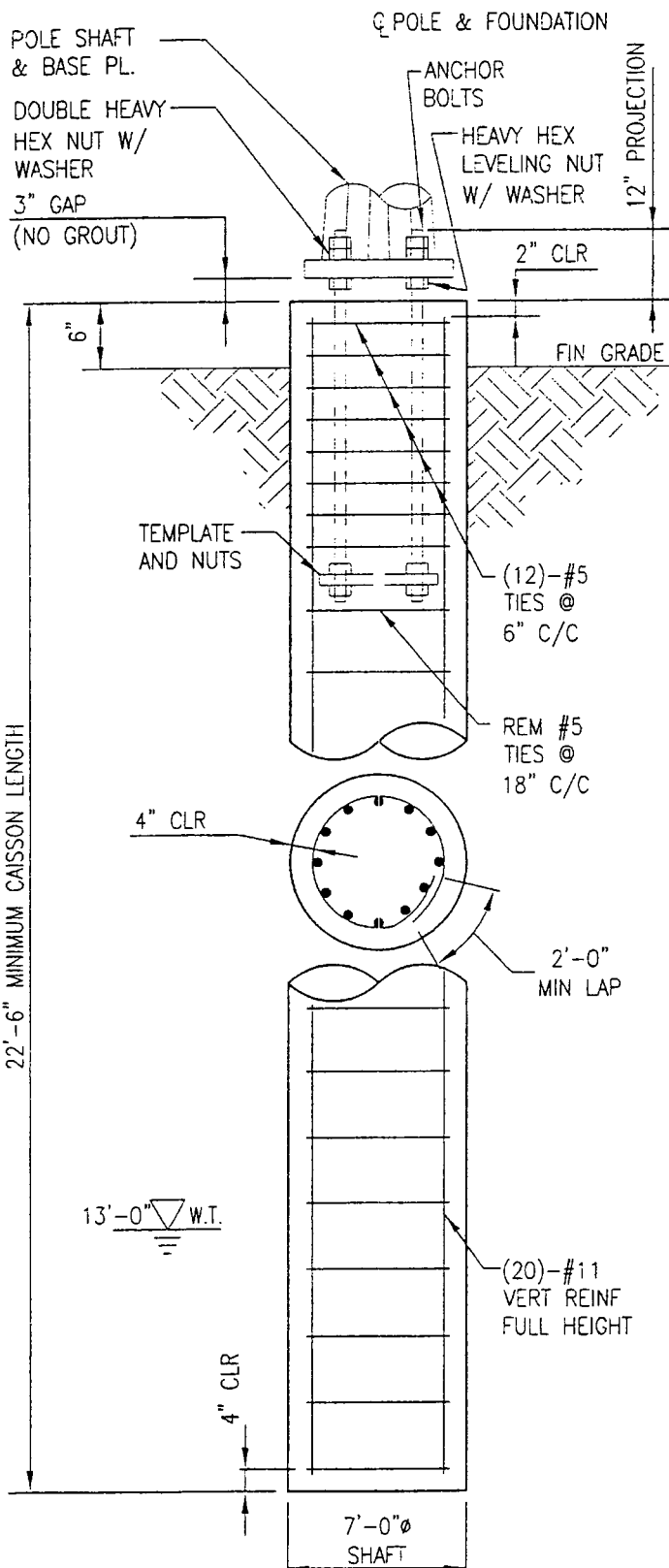


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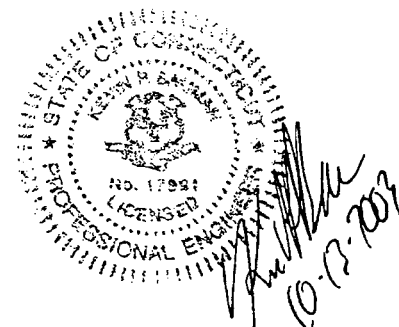


J O B   D A T A			
Page 2 of 2		Job No.	29203-0309
By	MFP	Design No.	#20836
		Date	
Chk'd By	MFP	Rev. No. 1	Rev. Date 10-13-2003
Pole	120-FT MONOPOLE		
Site	CT-822, MANSFIELD, TOLLAND CO., CT		
Owner	AT&T		
Ref. No.			
Design	85 MPH / 74 MPH + 1/2" RADIAL ICE ACCORDING TO TIA/EIA-222-F 1996		

THERE ARE TWO NOTCHES ON THE ANCHOR BOLT TEMPLATES LOCATED 180° APART. THE CONTRACTOR SHALL POSITION THE ANCHOR BOLTS AND TEMPLATES IN THE FOUNDATION PER THE SUMMIT MANUFACTURING ANCHOR BOLT TEMPLATE DRAWING.

#### NOTES:

- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE SHALL BE AIR ENTRAINED (6±1.5%). CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.46. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318, LATEST EDITION. FOUNDATION INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 336, "STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF DRILLED PIERS", LATEST EDITION.
- REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 (GRADE 60) EXCEPT THAT CAISSON TIES MAY BE ASTM A-615 (GRADE 40). ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315, LATEST EDITION, UNLESS DETAILED OTHERWISE ON THIS DRAWING.
- SEE PAGE 1 FOR ANCHOR BOLT QUANTITY, SIZE, LENGTH, AND BOLT CIRCLE.
- TOTAL CONCRETE = 32 CUBIC YARDS.
- FOUNDATION DESIGN IS BASED UPON GEOTECHNICAL EXPLORATION REPORT PREPARED BY: VN ENGINEERS, INC.  
REPORT NO.: 23-155  
DATED: 09-26-2003
- CONTRACTOR SHALL READ THE GEOTECHNICAL REPORT AND CONSULT THE GEOTECHNICAL ENGINEER AS NECESSARY PRIOR TO CONSTRUCTION.
- GEOTECHNICAL REPORT INDICATES GROUNDWATER WAS ENCOUNTERED AT 13'-0" BELOW GRADE.
- THE FOUNDATION WAS DESIGNED USING THE FOLLOWING SERVICE LOADS:  
MOMENT: 3000 FT-KIPS  
SHEAR: 38 KIPS  
AXIAL: 22 KIPS

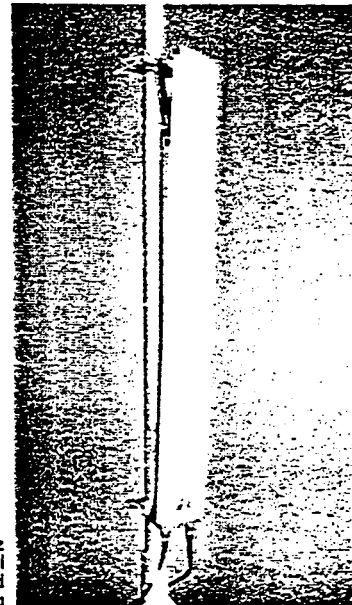


CAISSON (DRILLED PIER) FOUNDATION

Gain	Part Number	Description
16.5 dBd	7250.02	XM-1900-65-18.5I-0-0
	7250.03	XM-1900-65-18.5I-2-0
	7250.04	XM-1900-65-18.5I-4-0
	7250.05	XM-1900-65-18.5I-6-0

Gain	Part Number	Description
16 dBd	7691.00	XM-1900-65-181-A-D

Gain	Part Number	Description
11.5 dBd	7301.02	XM-1900-90-13.5i-0-D
	7262.01	XM-1900-90-16i-0-D
	7262.02	XM-1900-90-16i-2-D
14 dBd	7262.03	XM-1900-90-16i-4-D
15.5 dBd	7251.02	XM-1900-90-17.5i-0-D
	7251.01	XM-1900-90-17.5i-2-D



**1900 MHz  
Dual  
Polarized  
Antenna**

X	M - 1900-90-16 i - 0 - D			
Cross Polarized Metro Family	Frequency Band	Horizontal Beamwidth	Gain in dBi	Electrical Downlink Angle 7/16 DIN Connector

A trailing U indicates connector placement on the top.  
no U indicates connector placement on the bottom.

**Antennas may be ordered using part number or description.**



## Base Station Antennas



# 1900 MHz Dual Polarized Antenna

## Electrical Specifications

	7250 (XM-1900-65-18-5)	7691 (XM-1900-65-181-A)
Gain	16.5 dBd (18.5 dBi)	16 dBd (18 dBi)
Polarization	linear, dual slant 45	linear, dual slant 45
VSWR, 50Ω	<1.3:1 (1850 MHz to 1990 MHz)	<1.4:1 (1850 MHz to 1990 MHz)
Horizontal 3dB beamwidth	65°	65°
Vertical 3dB beamwidth	5.5°	6.5°
Custom electrical downtilts	0°, 2°, & 4°	0° - 8°
40 degree cone Front-to-back ratio	>25 dB co-polar, >20 dB total power	>30 dB co-polar, >25 dB total power
Cross-polar discrimination, boresite	>20 dB	>20 dB
Polarization Quality Ratio	20 dB (3 dB beamwidth)/10 dB (forward sector)	>12 dB (forward sector)
Suppression of first upper side lobe	> 20 dB	>18 dB
First lower null fill	N/A	N/A
Maximum CW input power	500W total at 250W per input	500W total at 250W per input
Two tone intermodulation 3rd order	< -110 dBm for 2x10W (150 dBc at 2x40 dBm)	< -107 dBm for 2x20W (150 dBc at 2x43 dBm)
Isolation between ports	>30 dB	>30 dB

## Mechanical Specifications

Connector	7/16 DIN bottom and top mount	7/16 DIN bottom mount
Height	61.3" (1560 mm)	51" (1297 mm)
Width	6.3" (160 mm)	6.6" (167 mm)
Depth	2.2" (55 mm)	2.3" (58 mm)
Antenna Weight	15.4 lbs (7 kg)	9.46 lbs (4.3 kg)
Weight including tilt brackets	23.2 lbs (10.6 kg)	17.26 lbs (7.9 kg)
Survival wind speed	156 mph (70 m/s)	156 mph (70 m/s)
Maximum wind area	2.74 sq.ft (0.25 sq.m)	2.3 sq.ft (0.22 sq.m)
Frontal wind load @100mph	71.9 lbf (320 N)	70 lbf (310 N)

\*All feed network components DC grounded for Lightning Protection

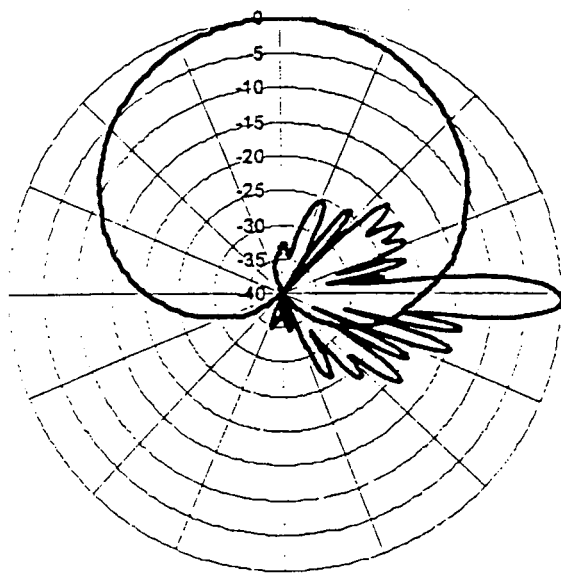
Pole mount and downtilt bracket to be pre-mounted and/or co-packed  
Tilt Range -0.6° to 13°

-0.6° to 13°

### Comments

Gain is typical within frequency band.  
Beamwidths are defined using total power.  
Cross-polar discrimination is defined within -3 dB beamwidth.  
Front-to-back ratio is defined within 20° from the backwards direction in any plane.  
Sidelobe suppression and null fill is relative to peak of main beam.  
Maximum input power is total input power, divided arbitrarily between inputs.  
Frontal windload is calculated assuming the shape factor C=1  
Radome color is NCS 2502-B (RAL 7035)(gray).

For a complete list of released models pertaining to gain, electrical downtilt and connector placement, please see the quick reference guide on page 19.



Typical Horizontal and Vertical 7691.00 Patterns



DESCRIPTION

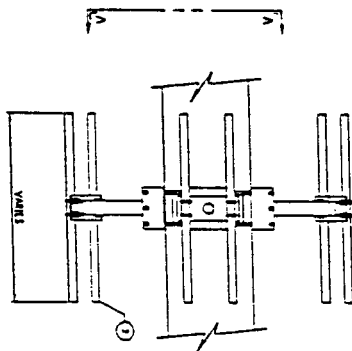
BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	STEEL PLATE 1/2" THICK	1	SQ. FT.	
2	STEEL PLATE 1/4" THICK	1	SQ. FT.	
3	STEEL PLATE 1/8" THICK	1	SQ. FT.	
4	STEEL PLATE 1/16" THICK	1	SQ. FT.	
5	STEEL PLATE 1/32" THICK	1	SQ. FT.	
6	STEEL PLATE 1/64" THICK	1	SQ. FT.	
7	STEEL PLATE 1/128" THICK	1	SQ. FT.	
8	STEEL PLATE 1/256" THICK	1	SQ. FT.	
9	STEEL PLATE 1/512" THICK	1	SQ. FT.	
10	STEEL PLATE 1/1024" THICK	1	SQ. FT.	
11	STEEL PLATE 1/2048" THICK	1	SQ. FT.	
12	STEEL PLATE 1/4096" THICK	1	SQ. FT.	
13	STEEL PLATE 1/8192" THICK	1	SQ. FT.	
14	STEEL PLATE 1/16384" THICK	1	SQ. FT.	
15	STEEL PLATE 1/32768" THICK	1	SQ. FT.	
16	STEEL PLATE 1/65536" THICK	1	SQ. FT.	
17	STEEL PLATE 1/131072" THICK	1	SQ. FT.	
18	STEEL PLATE 1/262144" THICK	1	SQ. FT.	
19	STEEL PLATE 1/524288" THICK	1	SQ. FT.	
20	STEEL PLATE 1/1048576" THICK	1	SQ. FT.	
21	STEEL PLATE 1/2097152" THICK	1	SQ. FT.	
22	STEEL PLATE 1/4194304" THICK	1	SQ. FT.	
23	STEEL PLATE 1/8388608" THICK	1	SQ. FT.	
24	STEEL PLATE 1/16777216" THICK	1	SQ. FT.	
25	STEEL PLATE 1/33554432" THICK	1	SQ. FT.	
26	STEEL PLATE 1/67108864" THICK	1	SQ. FT.	
27	STEEL PLATE 1/134217728" THICK	1	SQ. FT.	
28	STEEL PLATE 1/268435456" THICK	1	SQ. FT.	
29	STEEL PLATE 1/536870912" THICK	1	SQ. FT.	
30	STEEL PLATE 1/1073741824" THICK	1	SQ. FT.	
31	STEEL PLATE 1/2147483648" THICK	1	SQ. FT.	
32	STEEL PLATE 1/4294967296" THICK	1	SQ. FT.	
33	STEEL PLATE 1/8589934592" THICK	1	SQ. FT.	
34	STEEL PLATE 1/17179869184" THICK	1	SQ. FT.	
35	STEEL PLATE 1/34359738368" THICK	1	SQ. FT.	
36	STEEL PLATE 1/68719476736" THICK	1	SQ. FT.	
37	STEEL PLATE 1/137438953472" THICK	1	SQ. FT.	
38	STEEL PLATE 1/274877906944" THICK	1	SQ. FT.	
39	STEEL PLATE 1/549755813888" THICK	1	SQ. FT.	
40	STEEL PLATE 1/1099511627776" THICK	1	SQ. FT.	
41	STEEL PLATE 1/2199023255552" THICK	1	SQ. FT.	
42	STEEL PLATE 1/4398046511104" THICK	1	SQ. FT.	
43	STEEL PLATE 1/8796093022208" THICK	1	SQ. FT.	
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58	STEEL PLATE 1/288230376151711744" THICK	1	SQ. FT.	
59	STEEL PLATE 1/576460752303423488" THICK	1	SQ. FT.	
60	STEEL PLATE 1/1152921504606846976" THICK	1	SQ. FT.	
61	STEEL PLATE 1/2305843009213693952" THICK	1	SQ. FT.	
62	STEEL PLATE 1/4611686018427387904" THICK	1	SQ. FT.	
63	STEEL PLATE 1/9223372036854775808" THICK	1	SQ. FT.	
64	STEEL PLATE 1/18446744073709551616" THICK	1	SQ. FT.	
65	STEEL PLATE 1/36893488147419103232" THICK	1	SQ. FT.	
66	STEEL PLATE 1/73786976294838206464" THICK	1	SQ. FT.	
67	STEEL PLATE 1/147573952589676412928" THICK	1	SQ. FT.	
68	STEEL PLATE 1/295147905179352825856" THICK	1	SQ. FT.	
69	STEEL PLATE 1/590295810358705651712" THICK	1	SQ. FT.	
70	STEEL PLATE 1/1180591	1	SQ. FT.	

Final Structure Validity: 20

- [illegible]

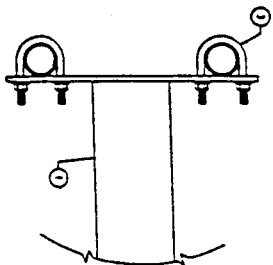
1. ASSEMBLE SIFT-APONS ON GROUND AFTER THE AIRCRAFT DOWNING PRELIMINARILY AT THE OCCUPIED SPECIFIED LOCATIONS.

2. STIFFNESS TO BE MODELS IN POL. AT CUSTOMERS SPECIFIC LOCATION
3. CLAIMS TO BE COMPLETELY SPECIFIC
4. DIRECT STIFFNESS TO CUSTOMER SPECIFIC ATTITUDE
5. TIGHTEN THE HANDBAND TO THE ALSO SPECIFIC REQUIREMENTS
6. THE STIFF STIFF CONDITION IS A PART OF THE TIGHTNESS THAT MUST BE ATTAINED BY A CUSTOMER AND IN FROM CONTACT
7. THE STIFFNESS TO BE MODELS IN POL. AT CUSTOMERS SPECIFIC LOCATION
8. STIFFNESS TO BE MODELS IN POL. AT CUSTOMERS SPECIFIC LOCATION



(3) CUSTODY TRI ANTENNA MOUNT-PLAN VIEW

(3) CUSTOM TRI ANTENNA MOUNT-ELEVATION VIEW

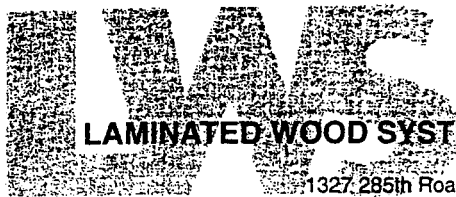


DETAIL 1

JOB # 20577  
STR. # D1931

[illegible]





**LAMINATED WOOD SYSTEMS, INC.**

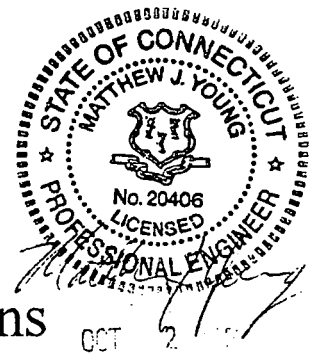
1327 285th Road • P.O. Box 386 • Seward, NE 68434 • 800-949-3526 • Fax 402-643-4374 • e-mail lws@navix.net

**E-Lam  
Laminated Wood  
Antenna Pole**

**for**

**Bechtel  
Site # CT-821  
Mansfield Depot Site  
Tolland County, CT**

**Design Drawings and Calculations  
(6 Pages + Cover Sheet)**



**PoleEnforcer®**

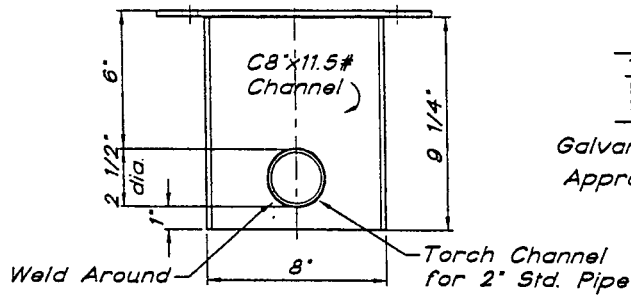
Engineered Groundline Reinforcing Products

**E-LAM®**

Engineered Laminated Wood Products

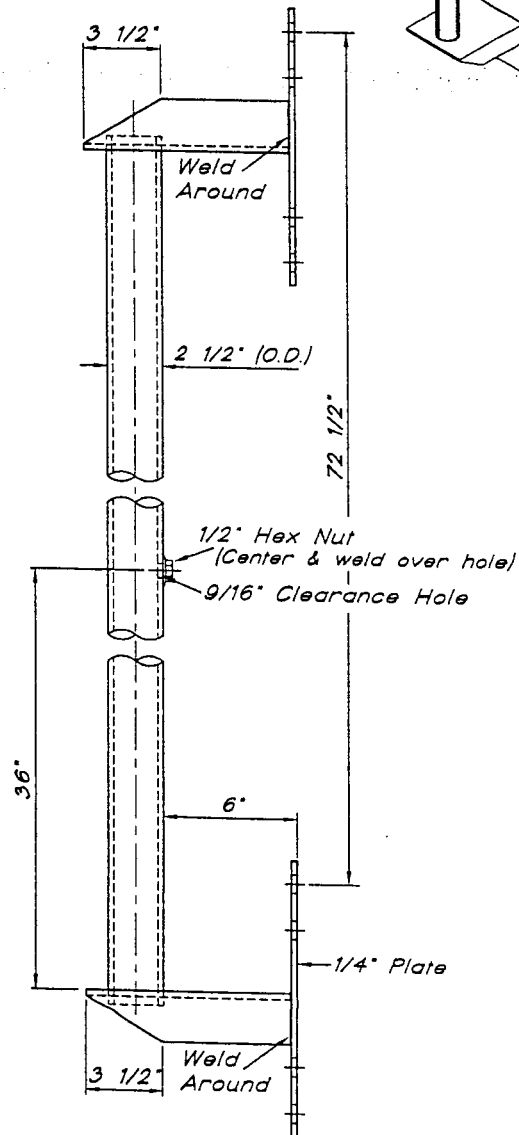
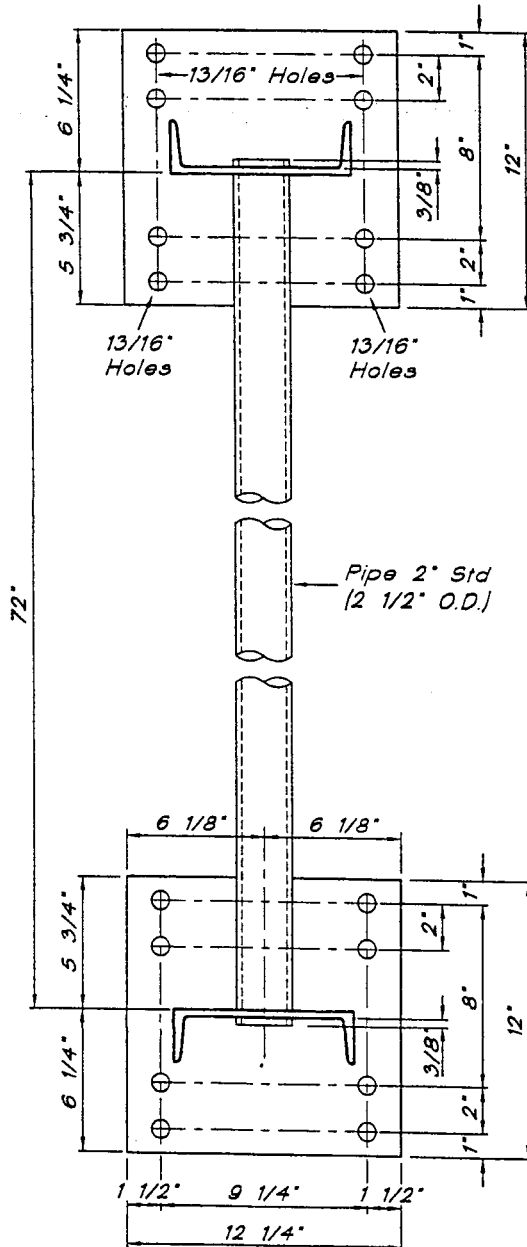
**PHASERAISER®**

Raising Structures to New Heights



Tolerances:  
 Plate Dimensions  $\pm 1/16"$   
 Hole Locations  $\pm 1/32"$

Galvanize after Fabrication  
 Approx. Weight = 65 lbs.



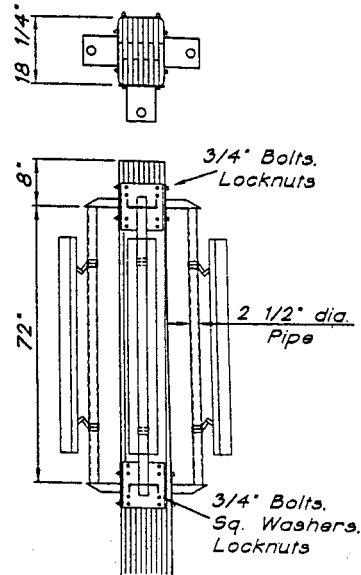
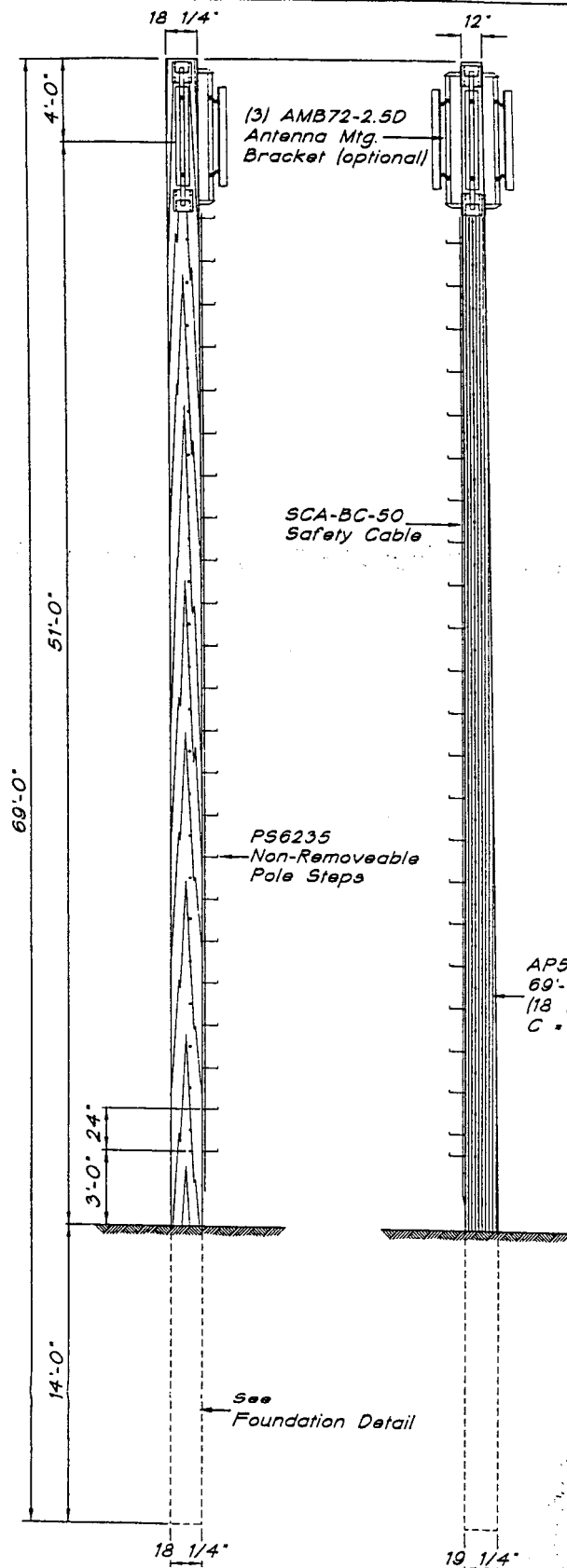
AMB72-2.5D Antenna Mounting Bracket

© LWS 7/96

				Laminated Wood Systems, Inc.		
				<b>E-LAM</b>		
				P.O. BOX 386, SEWARD, NE 68434		
				1-800-949-ELAM		
3.	added unit weight	11-21-02				
2.	chg 8 5/8" to 6 1/8"; 10 1/4" to 9 1/4"	1-14-97				
1.	added 3 1/2" chamfer 30° & banding clip	12-23-96				
NO.	REVISION	DATE	CK.	DRAWN	DATE	DWG. NO.
				D. Policky	7-22-06	AMB72-2.5D

ACAD DWG. FILE: AMB7225D





Plan View  
AMB72-2.5D Antenna Mounting

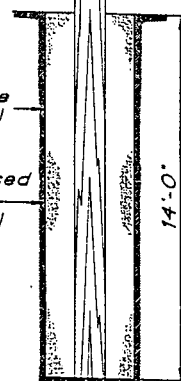
3'-6" dia. Augered Hole  
(based on U.B.C.  
Class 4 soil type)



AP550G140T14P  
69'-0" E-Lam Laminated Pole  
(18 1/4"x12"-19 1/4"x69'-0")  
C = 14'-0"

Backfill with concrete  
(2,000 psi min.)

Corrugated steel or reinforced  
concrete culvert (by owner)  
(for slumping soil conditions)



Foundation Detail

See  
Foundation Detail



(Site # CT-821)  
"Mansfield Depot Site"  
Type "BECT-0004.06A1"  
Antenna Structure  
Bechtel

© LWS 9/03

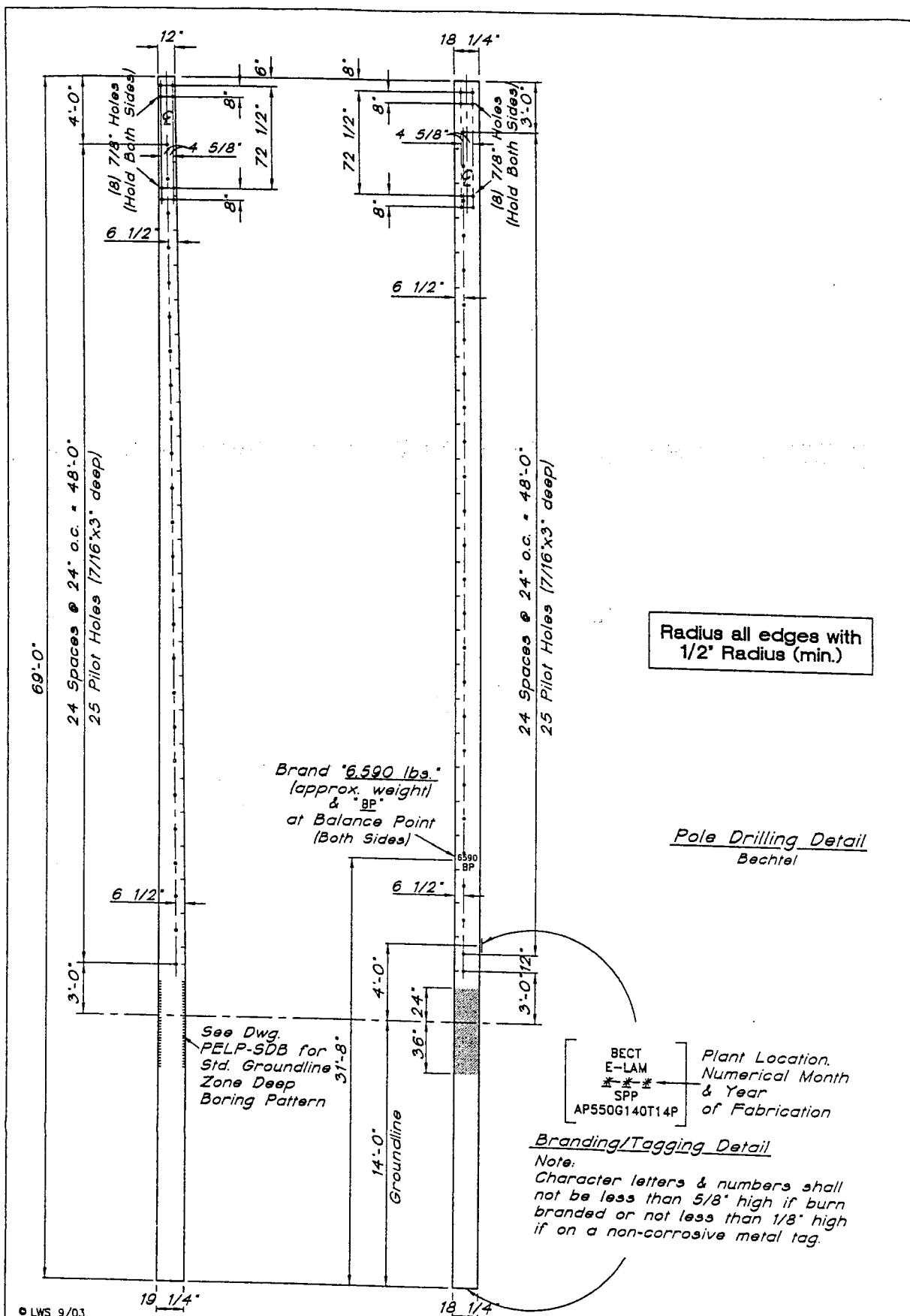
1.				
NO.	REVISION	DATE	CK.	
		10-1-03		
ACAD DWG. FILE: BECT0406A1				

Laminated Wood Systems, Inc.

**E-LAM**

P.O. BOX 386, SEWARD, NE 68434 1-800-949-ELAM

DRAWN J. Wilken	DATE 8/24/03	DWG. NO. BECT-0004.06A1
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LWS 9/03				Laminated Wood Systems, Inc.			
				<b>E-LAM</b>			
				P.O. BOX 386, SEWARD, NE 68434 1-800-949-ELAM			
				DRAWN DATE DWG. NO.			
				J. Wilken 9/26/03 BECT-0004.06B1			
1.	NO.	REVISION	10-1-03				
ACAD DWG. FILE: BECT0406B1							





# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: [siting.council@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

### **CERTIFIED MAIL RETURN RECEIPT REQUESTED**

November 13, 2003

Christopher B. Fisher, Esq.  
Cuddy & Feder LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **PETITION NO. 626T** - AT&T Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance and operation of a wireless telecommunications facility at 111 Middle Turnpike, Mansfield, Connecticut.

Dear Attorney Fisher:

At a public meeting held on October 29, 2003, the Connecticut Siting Council (Council) considered and approved the Development and Management Plan (D&M Plan) for the Mansfield facility.

This approval applies only to the D&M Plan as submitted October 15, 2003. Any other changes to this D&M Plan require advance Council notification and approval. Failure to obtain Council approval before implementing any changes to this D&M plan may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Please notify the Council two weeks prior to the commencement of construction.

Enclosed is a copy of the staff report on the D&M Plan, dated October 29, 2003.

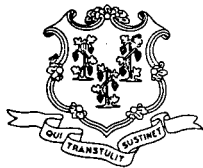
Very truly yours,

Pamela B. Katz, P.E.  
Chairman

PBK/laf

Enclosure: Staff Report, dated October 29, 2003

c: Honorable Elizabeth Patterson, First Selectman, Town of Mansfield  
Gregory Padick, Town Planner, Town of Mansfield  
Mr. Martin H. Berliner, Town Manager, Town of Mansfield



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Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

**Petition 626: AT&T  
111 Middle Turnpike  
Mansfield, Connecticut  
Development & Management Plan  
Staff Report  
October 29, 2003**

On September 9, 2003, the Council issued a declaratory ruling that AT&T's proposed facility at 111 Middle Turnpike in Mansfield did not require a Certificate of Environmental Compatibility and Public Need. AT&T has submitted a D&M plan in accordance with the Council's ruling. AT&T's petition was considered in conjunction with Docket 247 that was approved for a facility at 497 Middle Turnpike in Mansfield.

At this location, AT&T will erect a laminated wood pole to which it will flush mount three panel antennas at a centerline height of 51 feet. The overall height of the wood pole will be 55 feet. The facility compound will consist of a 20' x 40' graveled area enclosed by an 8-foot chain link fence. Initially, AT&T would install two equipment cabinets on a 7' x 13' concrete pad.

The facility will be developed in a cleared field towards the rear of a ten-acre parcel. Access to the facility would be via a gravel drive that would be extended from an existing driveway. Utilities would be run underground from a utility pole on Middle Turnpike.

All of the elements of the Council's D&M Plan requirements appear to be in compliance. Staff recommends approval of this D&M Plan.