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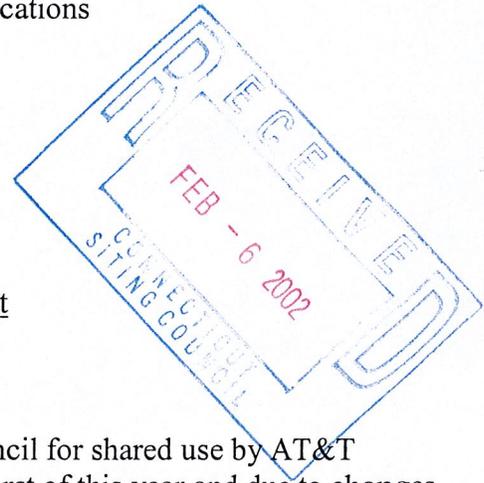
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DANIEL F. LEARY (also CT)  
BARRY E. LONG

February 6, 2002

BY HAND

Mr. Derrick Phelps  
Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051

Re: AT&T Wireless – Post Approval Construction Modifications  
Chapel Street, Stratford, Connecticut  
474 Main Street, Monroe, Connecticut  
2577 Main Street, Glastonbury, Connecticut  
1214 Farmington Avenue, Bristol, Connecticut  
Flanders Road, East Lyme, Connecticut  
238 Meriden Road, Middlefield, Connecticut  
Old Route 79, Madison, Connecticut  
Noroton Heights Railroad Station, Darien, Connecticut



Dear Mr. Phelps:

The above referenced sites were approved by the Council for shared use by AT&T Wireless (“AT&T”) in the fourth quarter of 2001. As of the first of this year and due to changes in the technology being deployed by AT&T in the State, some of its equipment specifications have changed. Universally, the equipment to be deployed at each of the above referenced sites requires less ground space than previously required and approved by the Council.

The purpose of this letter is to outline those material changes at each site as they relate to the Council’s prior approvals. Further, we respectfully request that these changes be handled as a construction related matter by Council staff and that this letter be added to the Council’s respective files for purposes of future clarity. The following material changes are proposed:

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Petition No. 528 - Chapel Street, Stratford, Connecticut

Replace approved 12'-0" x 20'-0" concrete equipment pad with a 5'-3" x 6'-0" concrete equipment pad for the initial build and an adjacent 5'-3" x 6'-0" concrete equipment pad for potential growth. The proposed Lucent equipment cabinets will be replaced with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for the initial build and two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for potential growth.

TS-AT&T-085-011017 - 474 Main Street, Monroe, Connecticut

Replace approved 16'-0" x 8'-6" concrete equipment pad with a 5'-3" x 6'-0" concrete equipment pad for the initial build and an adjacent 5'-3" x 6'-0" concrete equipment pad for potential growth. The proposed Lucent equipment cabinets will be replaced with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for the initial build and two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for potential growth.

TS-AT&T-054-010906 - 2577 Main Street, Glastonbury, Connecticut

Replace approved 12'-0" x 20'-0" equipment shelter with a 5'-3" x 6'-0" concrete equipment pad for the initial build and an adjacent 5'-3" x 6'-0" concrete equipment pad for potential growth. The proposed Lucent equipment cabinets will be replaced with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for the initial build and two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for potential growth.

TS-AT&T-017-010927 - 1214 Farmington Avenue, Bristol, Connecticut

Replace Lucent equipment cabinets with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for the initial build and two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for potential growth

Petition No. 530 - Flanders Road, East Lyme, Connecticut

Replace approved 12'-0" x 20'-0" concrete equipment pad with a 5'-3" x 6'-0" concrete equipment pad for the initial build and an adjacent 5'-3" x 6'-0" concrete equipment pad for potential growth. The proposed Lucent equipment cabinets will be replaced with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for the initial build and two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for potential growth

CUDDY & FEDER & WORBY LLP

February 6, 2002

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TS-AT&T-082-011017 - 238 Meriden Road, Middlefield, Connecticut

Replace approved 12'-0" x 20'-0" concrete equipment pad with a 5'-3" x 6'-0" concrete equipment pad and replace proposed Lucent equipment cabinets with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D.

TS-AT&T-076-010827 - Old Route 79, Madison, Connecticut

Replace approved 17'-10" x 8'-6" concrete equipment pad with a 5'-3" x 6'-0" concrete equipment pad for the initial build and an adjacent 5'-3" x 6'-0" concrete equipment pad for potential growth. The proposed Lucent equipment cabinets will be replaced with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for the initial build and two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D for potential growth.

Petition No. 529 – Noroton Heights Railroad Station, Darien, Connecticut

Replace approved 12'-0" x 20'-0" concrete equipment pad with a 5'-3" x 6'-0" concrete equipment pad and replace proposed Lucent equipment cabinets with two Nokia equipment cabinets, each 76.4"H x 30.3"W x 29.5"D.

Should you, the Council or staff have any questions, please do not hesitate to contact us. Thank you for your consideration of the foregoing.

Very truly yours,



Christopher B. Fisher

cc: Carmen Chapman, AT&T Wireless  
Harold Hewett, Bechtel Telecommunications



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

Ten Franklin Square  
New Britain, Connecticut 06051  
Phone: (860) 827-2935  
Fax: (860) 827-2950

October 25, 2001

Honorable Karen L. Burnaska  
First Selectman  
Town of Monroe  
Town Hall  
7 Fan Hill Road  
Monroe, CT 06468-1800

RE: **TS-AT&T-085-011017** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless request for an order to approve tower sharing at a telecommunications facility located at 474 Main Street, Monroe, Connecticut.

Dear Ms. Burnaska:

The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Wednesday, November 7, 2001, at 1:00 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Joel M. Rinebold', written over a printed name and title.

Joel M. Rinebold  
Executive Director

JMR/RM/grg

Enclosure: Notice of Tower Sharing

c: Daniel A. Tuba, Planning Administrator, Town of Monroe



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

Ten Franklin Square  
New Britain, Connecticut 06051  
Phone: (860) 827-2935  
Fax: (860) 827-2950

November 9, 2001

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

RE: **TS-AT&T-085-011017** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless request for an order to approve tower sharing at a telecommunications facility located at 474 Main Street, Monroe, Connecticut.

Dear Attorney Fisher:

At a public meeting held November 7, 2001, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 15, 2001.

Thank you for your attention and cooperation.

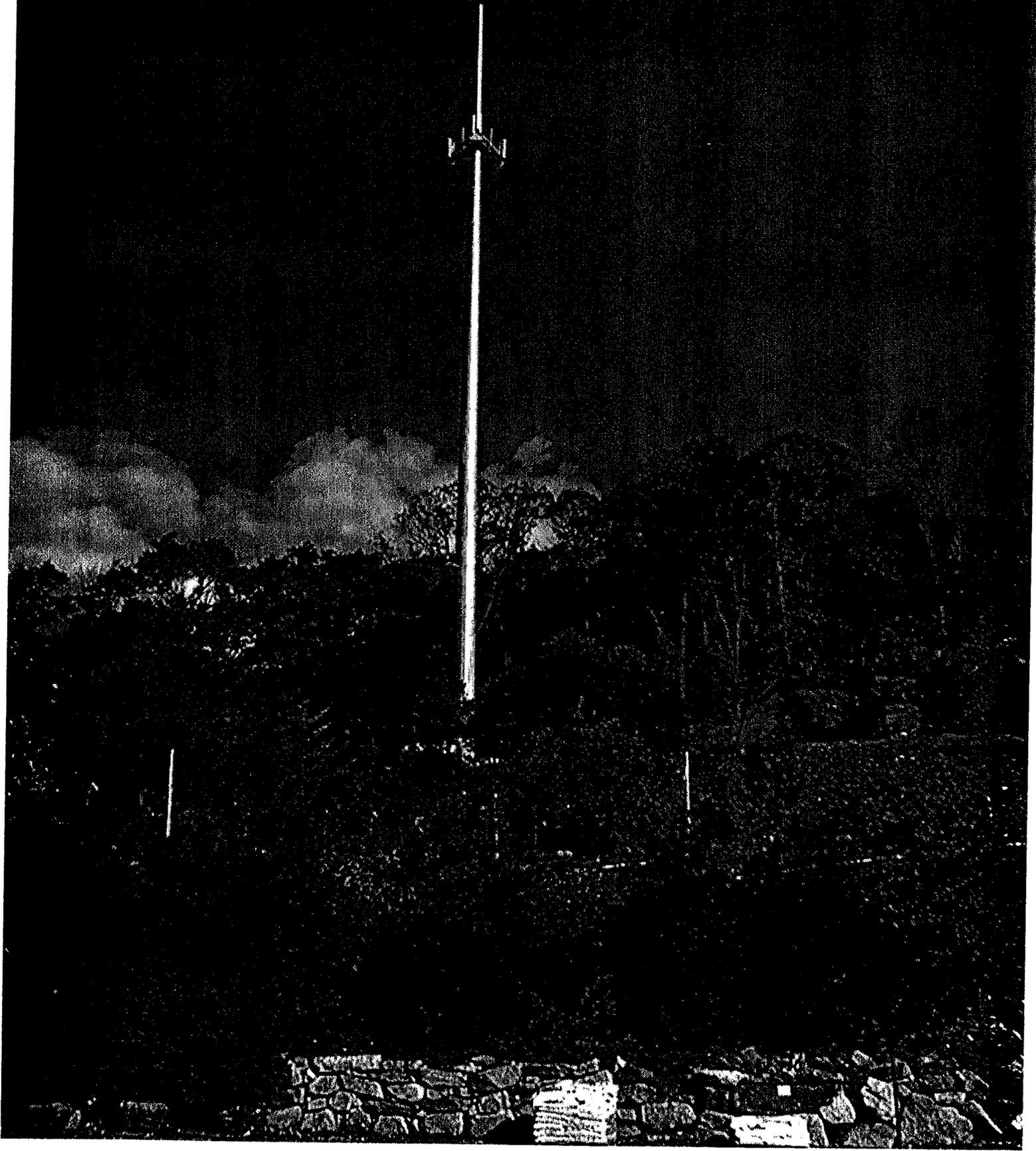
Very truly yours,

Mortimer A. Gelston  
Chairman

MAG/RKE/laf

c: Honorable Karen L. Burnaska, First Selectman, Town of Monroe  
Daniel A. Tuba, Planning Administrator, Town of Monroe  
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC

AT&T 474 Main Street Monroe 10/26/01



**CUDDY & FEDER & WOLFE, P.C.**

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October 15, 2001

**VIA FEDERAL EXPRESS**

Hon. Mortimer Gelston, Chairman and Members  
of the Siting Council  
Connecticut Siting Council  
10 Franklin Square  
New Britain, Connecticut 06051

Re: Tower Sharing Request by AT&T Wireless  
Existing Sprint Tower Facility at  
474 Main Street, Monroe, Connecticut



Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Pursuant to Connecticut General Statutes (C.G.S.) § 16-50aa, AT&T Wireless PCS LLC, by and through its agent AT&T Wireless Services, Inc., ("AT&T Wireless") hereby requests an order from the Connecticut Siting Council (the "Council") to approve the proposed shared use of an existing communications tower, located at 474 Main Street in the Town of Monroe (the "Main Street Facility"), owned by Sprint PCS ("Sprint"). AT&T Wireless and Sprint have agreed to the shared use of the Main Street Facility, as detailed below.

**The Main Street Facility**

The Main Street Facility consists of an approximately one hundred ninety five (195) foot high monopole (the "Tower") currently being used by Sprint. A chain link fence surrounds the Main Street Facility. Current surrounding land uses are predominantly commercial.

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AT&T Wireless' Facility

As shown on the enclosed plans prepared by URS Corporation, including a site plan and tower elevation of the Main Street Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and equipment needed to provide personal communications services ("PCS") within the existing fenced compound. AT&T Wireless will install up to twelve (12) panel antennas at approximately the 140 foot level of the Tower and equipment cabinets on a concrete pad within the existing fenced compound.

Connecticut General Statutes § 16-50aa provides that, upon written request for shared use approval, an order approving such use shall be issued, "if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns." (C.G.S. § 16-50aa(c)(1).) Further, upon approval of such shared use, it is exclusive and no local zoning or land use approvals are required C.G.S. § 16-50x. Shared use of the Main Street Facility satisfies the approval criteria set forth in C.G.S. § 16-50aa as follows:

- A. Technical Feasibility AT&T has confirmed that the tower is structurally capable of supporting the addition of AT&T Wireless' antennas. The proposed shared use of this tower is therefore technically feasible. See letter of structural integrity from URS Corporation, annexed hereto as Exhibit A.
- B. Legal Feasibility Pursuant to C.G.S. § 16-50aa, the Council has been authorized to issue an order approving shared use of the existing Main Street Facility. (C.G.S. § 16-50aa(c)(1)). Under the authority vested in the Council by C.G.S. § 16-50aa, an order by the Council approving the shared use of a tower would permit the Applicant to obtain a building permit for the proposed installation.
- C. Environmental Feasibility The proposed shared use would have a minimal environmental effect, for the following reasons:
  - 1. The proposed installation would have a de minimis visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing facility;
  - 2. The proposed installation by AT&T Wireless would not increase the height of the tower or extend the boundaries of the Main Street Facility;

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3. The proposed installation would not increase the noise levels at the existing facility boundaries by six decibels or more;
  4. Operation of AT&T Wireless' antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. The "worst case" exposure calculated for the operation of this facility for all carriers, would be approximately 4.06% of the standard. See Cumulative Emissions Compliance Report dated September 25, 2001, prepared by Alex Murillo, AT&T Radio Frequency Engineer, annexed hereto as Exhibit B;
  5. The proposed shared use of the Main Street Facility would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. Further, the installation will not generate any traffic other than for periodic maintenance visits.
- D. Economic Feasibility The Applicant and the tower owner have agreed to share use of the Main Street Facility on terms agreeable to both parties. The proposed tower sharing is therefore economically feasible.
- E. Public Safety As stated above and evidenced in the Cumulative Emissions Compliance Report annexed hereto as Exhibit B, the operation of AT&T Wireless' antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. Further, the addition of AT&T Wireless' telecommunications service in the Monroe area through shared use of the Main Street Facility is expected to enhance the safety and welfare of local residents and travelers through the area resulting in an improvement to public safety in this area.

### Conclusion

As delineated above, the proposed shared use of the Main Street Facility satisfies the criteria set forth in C.G.S. § 16-50aa, and advances the General Assembly's and the Siting Council's goal of preventing the proliferation of towers in the State of Connecticut. AT&T

CUDDY & FEDER & WORBY LLP

October 15, 2001

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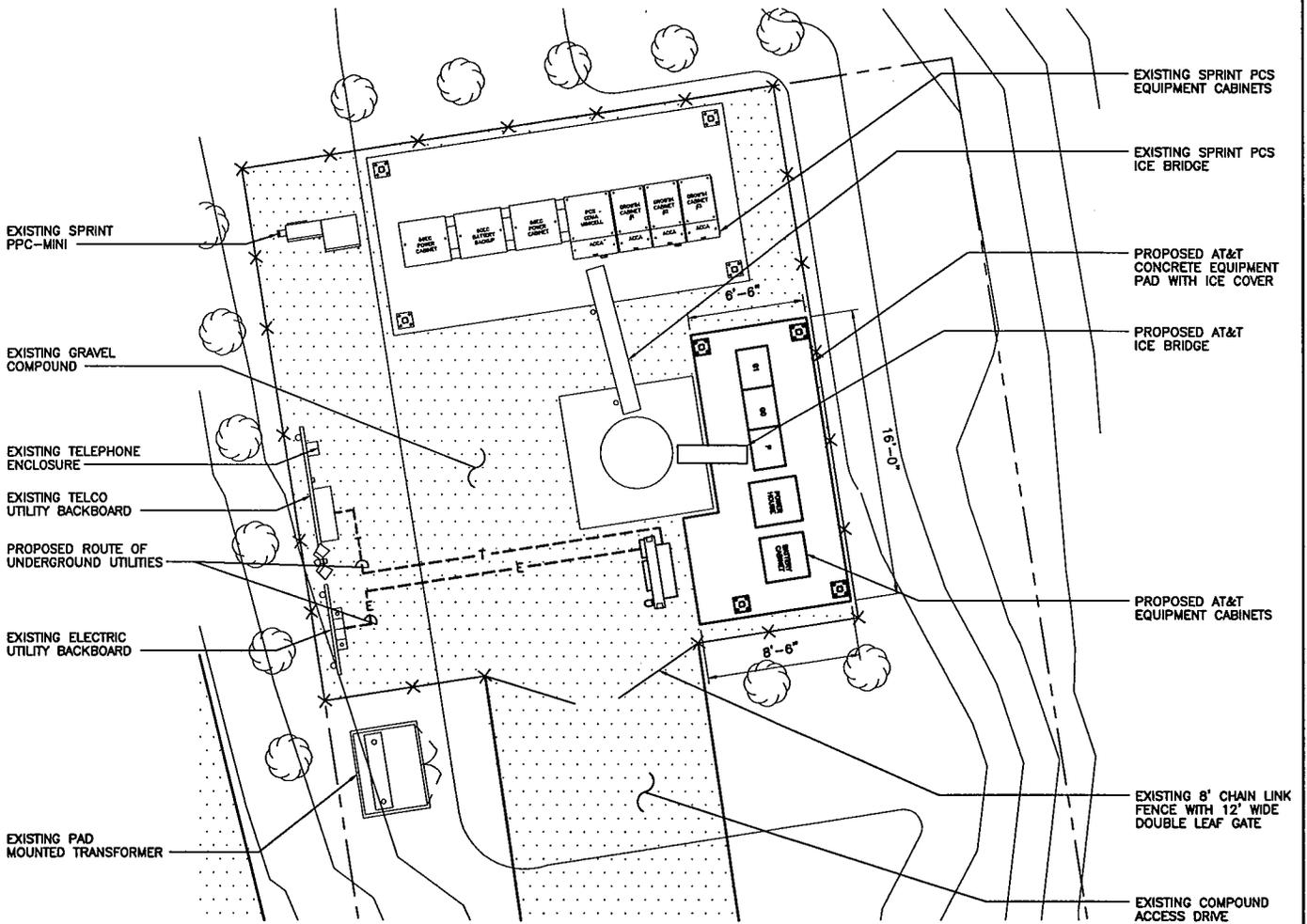
Wireless therefore requests the Siting Council issue an order approving the proposed shared use of the Main Street Facility.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'C.B. Fisher', with a long horizontal flourish extending to the right.

Christopher B. Fisher, Esq.  
On behalf of AT&T Wireless

cc: First Selectman, Town of Monroe  
Carmen Chapman, AT&T Wireless  
Harold Hewett, Bechtel Telecommunications



**1** COMPOUND PLAN  
 SC-1 SCALE: 1" = 10'-0"

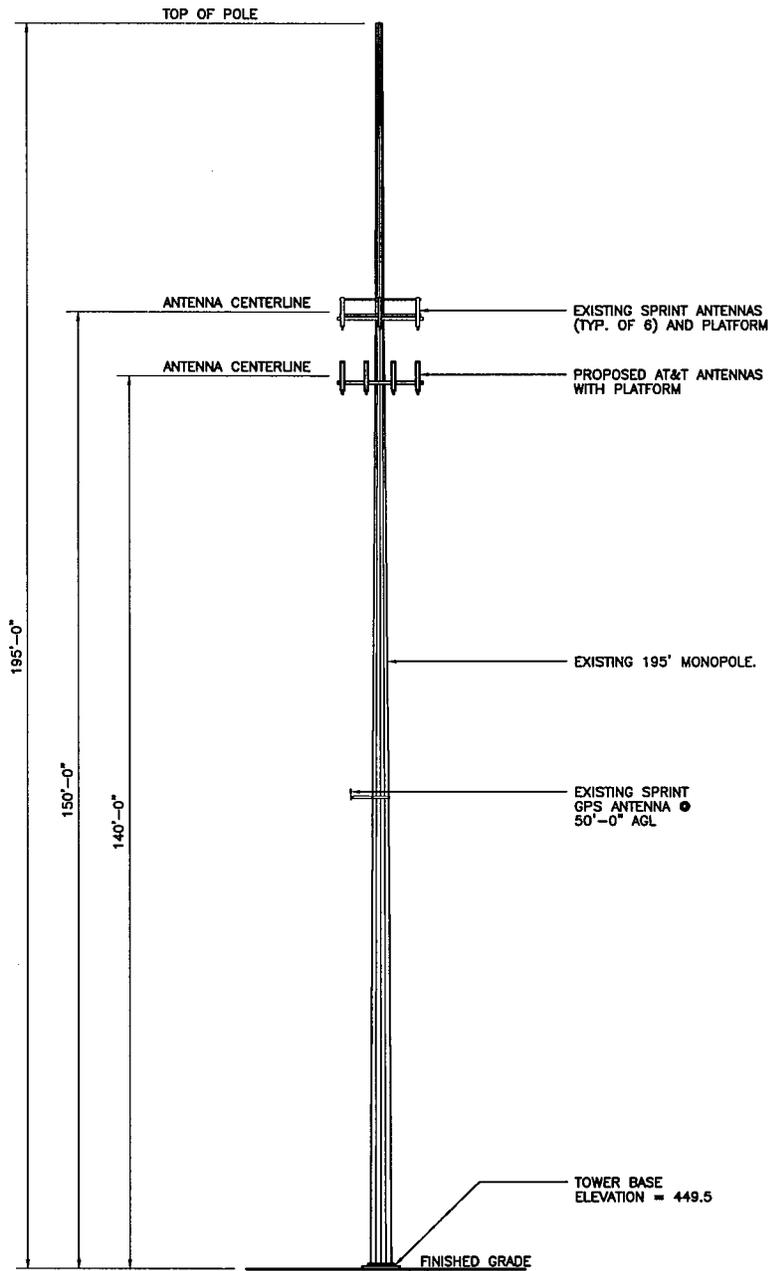


**URS**  
 URS CORPORATION-CT  
 795 BROOK STREET, BLDG 5  
 ROCKY HILL, CT. 06067  
 1-(866)-529-8882  
 URS JOB NO.: F301924.38

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

**DRAWING TITLE:** COMPOUND PLAN  
**PROJECT INFORMATION:**  
 MONROE WEST  
 24445-3CO-186-SC1-0  
 474 MAIN STREET  
 MONROE, CONNECTICUT  
**PROPERTY OWNER:**  
 SPRINT PCS  
 535 CRESCENT AVENUE  
 RAMSEY, NJ 07446

<b>SCALE:</b> AS NOTED	<b>DRAWN BY:</b> MCD		
<b>DATE ISSUED:</b> 10/11/01	<b>CHECKED BY:</b> ICA		
<b>APPROVED BY:</b>			
<b>ISSUED FOR SITING COUNCIL</b>			
<b>JOB NO.</b> 24445	<b>SITE NO.</b> 3CO-186	<b>DRAWING NUMBER</b> SC-1	<b>REV.</b> 0



1 TOWER ELEVATION  
 SC-2 SCALE: 1" = 30'-0"



URS CORPORATION-CT  
 795 BROOK STREET, BLDG 5  
 ROCKY HILL, CT. 06067  
 1-(866)-529-8882

URS JOB NO.: F301924.38



**AT&T**

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

**DRAWING TITLE:**

TOWER ELEVATION

**PROJECT INFORMATION:**

MONROE WEST  
 24445-3C0-186-SC2-0  
 474 MAIN STREET  
 MONROE, CONNECTICUT

**PROPERTY OWNER:**

SPRINT PCS  
 535 CRESCENT AVENUE  
 RAMSEY, NJ 07446

SCALE:	AS NOTED	DRAWN BY:	MCD
DATE ISSUED:	10/11/01	CHECKED BY:	ICA
APPROVED BY:			
<b>ISSUED FOR SITING COUNCIL</b>			
JOB NO.	SITE NO.	DRAWING NUMBER	REV.
24445	3C0-186	SC-2	0



September 24, 2001

Mortimer A. Gelston  
Chairman  
Connecticut State Siting Council  
10 Franklin Square  
New Britain, CT 06051

**Reference: Proposed AT&T Telecommunications Facility  
Sprint PCS Monopole  
AT&T Site No.: CT-186  
475 Main Street  
Monroe, Connecticut  
F300001924.38**

Dear Mr. Gelston:

URS Corporation AES (URS) has prepared a structural review for the Sprint PCS monopole located at 475 Main Street in Monroe, Connecticut. The monopole was designed by Engineering Endeavors, Inc. project number 8023-P01, Sprint site number CT03XC365. The structural review was performed by this Office and has concluded that the existing monopole will support the additional loads of the (12) DAPA 58210, AT&T Wireless antennas, coax cables and low profile platforms at the 140' level. This tower review was performed to the requirements of EIA/TIA-222-F.

Please contact me if there are any questions.

Sincerely,

**URS Corporation AES**



Ignacio C. Artaiz, AIA  
Telecommunications Group Manager

ICA/mks

cc: Don Huntely, Bechtel  
Harold Hewett, Bechtel  
CF/Book



**CT-186.1.1 Site Summary**  
**MPE (Maximum Possible Exposure) Study**  
**September 25, 2001**

A. Owner of the structure on which the antenna is located and the location of the antenna:

Name of owner of the structure on which the antenna is located:	
Owner of Structure:	Sprint PCS
Address of structure:	474 Main Street
	Monroe, CT

Latitude:	41° 19' 32"
Longitude:	73°15' 57"

B. Owner of the antenna:

Name of the owner of the antenna:	AT&T Wireless Services
Address of antenna owner:	12 Omega Drive
	Stamford, CT 06907
Telephone number:	(203) 602-7029

C. Technical specifications:

FCC class (or type) of service:	PCS (IS-136)
Operating frequency of transmitter:	1965-1970MHz
Peak power output of transmitter:	8 Watts/per channel
Power into the antenna:	4 watts
Antenna manufacturer:	DAPA
Antenna model:	58210
Antenna type:	Panel
Gain of the antenna:	15 dBd
Antenna radiating pattern:	H-plane - 92° E-plane - 7°
Polarization of radiation from antenna:	Vertical
Effective radiating power:	1011.92 watts ERP at centerline (maximum)

D. Power density information:

The power density values presented in the attached studies were achieved according to FCC OET-65 using the following formula:

$$S = \frac{33.4 \times P}{R^2} \text{ (Equation 9, FCC OET-65)}$$

Where: S = Power density in  $\mu\text{W}/\text{cm}^2$   
P = Power (watts) ERP (effective radiated power)  
R = Distance (meters)

Two measurements were taken for this structure. Besides the AT & T carrier information the measurements for Sprint PCS were also included for the purposes of this study. Given the above equation, the worse case ground scenario is located at the base of the tower.

The results of this analysis indicate that the maximum level of RF energy in areas normally accessible to the public is below all applicable health and safety limits. Specifically, the maximum level of RF energy associated with simultaneous and continuous operation of all proposed transmitters will be less than 4.06% of the safety criteria adopted by the Federal Communication Commission as mandated by the Telecommunications Act of 1996. The Telecommunications Act of 1996 is the applicable Federal law with respect to consideration of the environmental effects of RF emissions in the siting of personal wireless facilities. The maximum level of RF energy will also be less than 4.06% of the exposure limits of ANSI, IEEE, NCRP, and the limits used by all states that regulate RF exposure.

Carrier	Power Density ( $\mu\text{W}/\text{cm}^2$ )	Maximum Allowable ( $\mu\text{W}/\text{cm}^2$ )	Percentage of Maximum
AT&T	<b>18.56</b>	1000	1.86%
Sprint PCS	22.08	1000	2.21 %
<b>Total:</b>	<b>40.64</b>		<b>4.06%</b>

The calculations of these values are shown on the attached spreadsheets.

To the best of my knowledge, the statements made and information disclosed in this study are true, complete, and correct.

9-28-01                      Alex Murillo, RF Engineer  
Date                                      Alex Murillo, RF Engineer

