



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
New Britain, Connecticut 06051-4225  
Phone: 827-7682

FILE  
COPY

April 19, 1994

David S. Malko, P.E.  
General Manager - Engineering  
Bell Atlantic Mobile  
20 Alexander Dr., P.O. Box 5029  
Wallingford, CT 06492

Re: Metro Mobile CTS of New Haven, Inc., notice of intent to modify an existing telecommunications facility and associated equipment located at the intersection of Meriden Road and Route 322 in Wolcott, Connecticut.

Dear Mr. Malko:

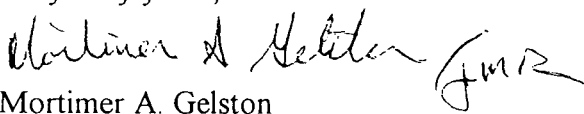
At a meeting held April 18, 1994, the Connecticut Siting Council (Council) acknowledged your notice of an exempt modification at an existing tower site off Meriden Road in Wolcott, Connecticut, pursuant to section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modification is to be implemented as specified in your notice dated March 30, 1994. The modification is in compliance with the exception criteria in RSA section 16-50j-72(b) as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, and increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to section 22a-162 of the Connecticut General Statutes.

The Council is pleased to note that the shared use of an existing tower serves the Council's long-term goal of protecting the public interest and avoiding proliferation of additional unnecessary tower structures.

Please notify the Council when all work is completed.

Very truly yours,

  
Mortimer A. Gelston  
Chairman  
MAG:mmb

cc: Hon. Eugene A. Migliaro, Jr., Mayor, Town of Wolcott

Bell Atlantic Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
203 269-8858

David S. Malko, P.E.  
General Manager - Engineering

March 30, 1994

**RECEIVED**  
MAR 30 1994

Mr. Joel M. Rinebold, Executive Director  
Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051

**CONNECTICUT  
SITING COUNCIL**

Re: Metro Mobile CTS of New Haven, Inc. - Wolcott Cell Site

Dear Mr. Rinebold:

Metro Mobile CTS of New Haven, Inc. ("Metro Mobile" or the "Company") plans to allow Springwich Cellular Limited Partnership (SCLP) to install antennas and related equipment at a tower site owned by Metro Mobile in Wolcott, Connecticut. Please accept this letter as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b). In further compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Mayor of Wolcott.

The existing facility consists of a 180' self supporting lattice tower and 15' x 21' equipment shelter located at the intersection of Meriden Road and Route 322 in Wolcott. This facility was approved by the Connecticut Siting Council in its April 14, 1986 Decision and Order in Docket No. 56. SCLP plans to add a 12' x 15' equipment shelter to the site and attach nine antennas to the existing tower.

The addition of SCLP's antennas, equipment and shelter to the tower site does not constitute a modification as defined in C.G.S. Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b).

First, the height of the tower will be unaffected. Nine panel type antennas, Model DB-834-RF, will be mounted on sidearms at the 165' level of the tower. The antennas will extend upward approximately 3 1/2' from the 165' level. Thus, SCLP's antennas will extend no higher than the 169' level of the 180' tower. The tower will not require any strengthening to support the proposed attachments.

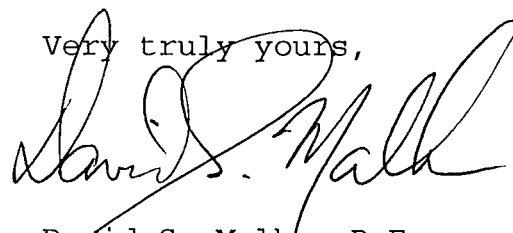
Second, the proposed addition will not extend the site boundaries. The proposed equipment shelter will be located adjacent to the tower and within the existing fenced compound. See the attached site plan which shows the proposed location of the SCLP building in relation to the tower, building and other features at the site.

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. The only noise will be from additional air conditioners, when in use, to cool the SCLP shelter.

Fourth, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the ANSI standard. A "worst-case" calculation for a point at the base of the tower indicates that SCLP's antennas would add 0.07393 mW/cm<sup>2</sup> to the Metro Mobile level of 0.06352 mW/cm<sup>2</sup> for a total of 0.13745 mW/cm<sup>2</sup> for the combined cellular operation of the two companies at the site. This power density level is 23.576% of the ANSI standard for uncontrolled environments at cellular frequencies of approximately 0.587 mW/cm<sup>2</sup>. In addition, Metro Mobile operates two microwave dishes at this site which were acknowledged by the Council on March 11, 1991. These dishes produce a power density level at the base of the tower of 0.00064 mW/cm<sup>2</sup>, which is 0.016% of the standard of 4.1167 mW/cm<sup>2</sup> for the 6.175 GHz microwave frequency used. The site total is therefore 23.592% of the ANSI standard as calculated for a mixed frequency site.

For the foregoing reasons, Metro Mobile respectfully submits that the proposed additions of antennas and associated equipment at the Guilford facility constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b).

Very truly yours,



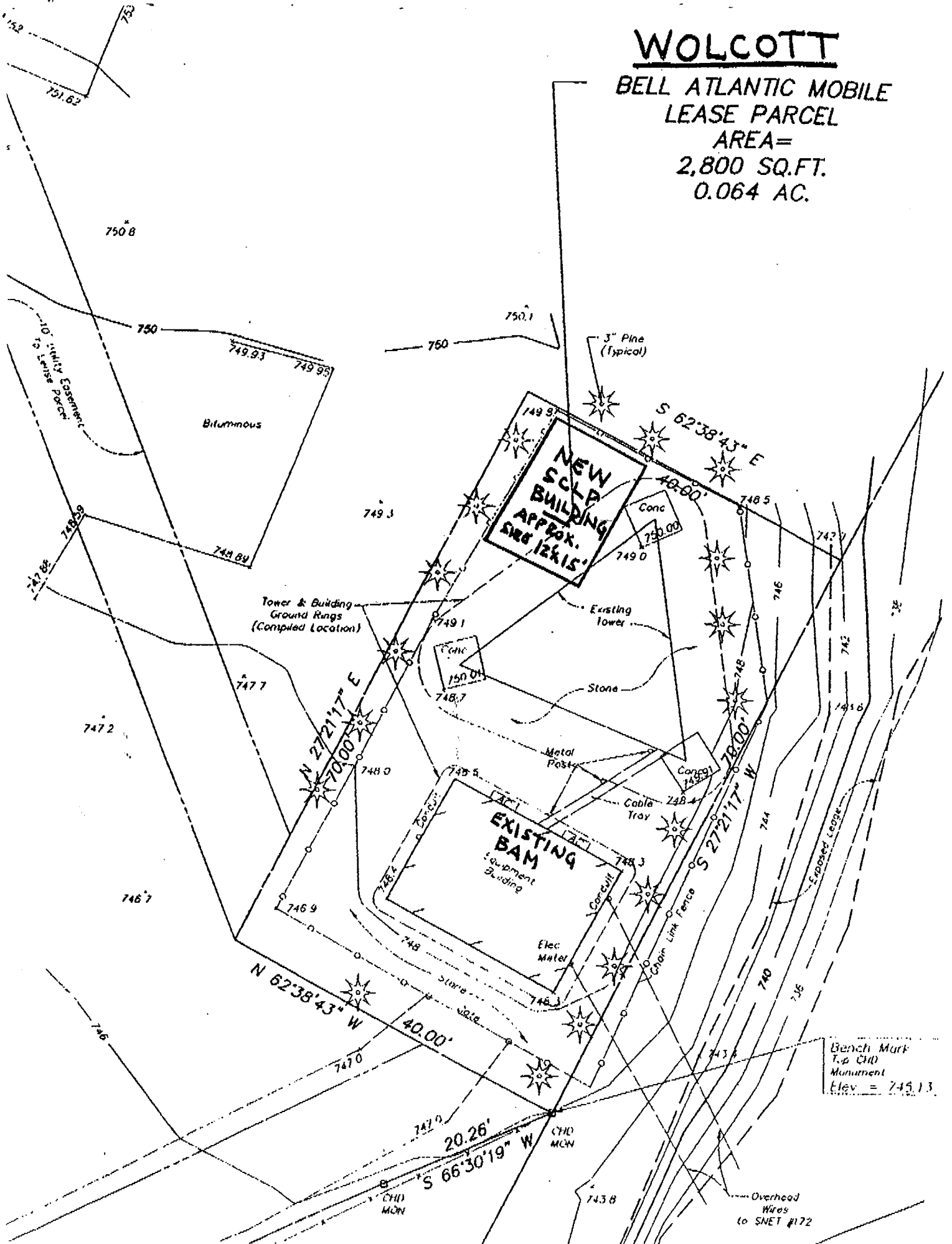
David S. Malko, P.E.  
General Manager - Engineering

Attachments

cc:Honorable Eugene A. Migliaro, Jr., Mayor, Town of Wolcott

# WOLCOTT

BELL ATLANTIC MOBILE  
LEASE PARCEL  
AREA=  
2,800 SQ.FT.  
0.064 AC.



Bell Atlantic Mobile  
20 Alexander Drive  
P.O. Box 5029  
Wallingford, CT 06492  
203 269-8858

David S. Malko, P.E.  
General Manager - Engineering

March 30, 1994

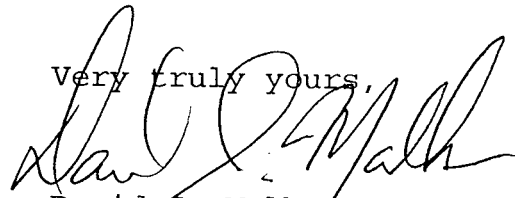
The Honorable Eugene A Migliaro, Jr., Mayor  
Town of Wolcott  
10 Kenea Avenue  
Wolcott, CT 06716

Dear Mayor Migliaro:

Metro Mobile CTS of New Haven, Inc. ("Metro Mobile" or the "Company") plans to allow Springwich Cellular Limited Partnership to add antennas and erect an equipment shelter at the existing Metro Mobile tower facility in Wolcott. As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies (R.C.S.A.), please accept this letter and the attached letter to the Connecticut Siting Council dated March 30, 1994, as notice of intent of our exempt modification to an existing tower facility pursuant to R.C.S.A. Section 16-50j-72(b).

The attached letter fully sets forth the Company's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Very truly yours,



David S. Malko, P.E.  
General Manager - Engineering

Attachment