



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

December 20, 1993

FILE
COPY

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

Re: Metro Mobile CTS of Fairfield County, Inc., notice of intent to modify an existing telecommunications tower and associated equipment located off Route 34 in the Town of Newtown, Connecticut.

Dear Mr. Malko:

At a meeting held December 15, 1993, the Connecticut Siting Council (Council) acknowledged your notice of an exempt modification of an existing tower site off of Route 34 in Newtown, 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 November 17, 1993. 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 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 complete.

Very truly yours,

A handwritten signature in cursive script, reading "Mortimer A. Gelston".

Mortimer A. Gelston
Chairman

MAG/SMH/ss

cc: Honorable Robert Cascella, First Selectman, Town of Newtown

7508E-2

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

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

November 17, 1993

RECEIVED
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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 Fairfield County, Inc. - Newtown Cell Site

Dear Mr. Rinebold:

Metro Mobile CTS of Fairfield County, 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 Newtown, 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 First Selectman of Newtown.

The existing facility consists of a 180' self supporting monopole tower and 21' x 22' equipment shelter located off Route 34 in Newtown. This facility was approved by the Connecticut Siting Council in its March 3, 1988 Decision and Order in Docket No. 89. SCLP plans to add a 15' x 18' 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 the lower platform at the 164' level of the tower. The antennas will extend upward approximately 3 1/2' from the 164' level. Thus, SCLP's antennas will extend no higher than the 168' level of the 180' tower (total structure height including Metro Mobile's top mounted antennas is 193'). The tower will not require any strengthening to support the proposed attachments, although, in order to provide additional mounting locations to accommodate SCLP's antennas, we propose to convert the existing dual platform configuration to the style now employed at the

Fairfield and Milford sites by adding a rail assembly to each platform and removing the vertical mounting pipes between them. We will then install all of Metro Mobile's antennas on the top platform and rail assembly, thereby freeing up the lower platform and rail assembly for SCLP's use. This change will also not increase the overall height of the structure (including appurtenances). See attached drawing showing the modified pole top configuration.

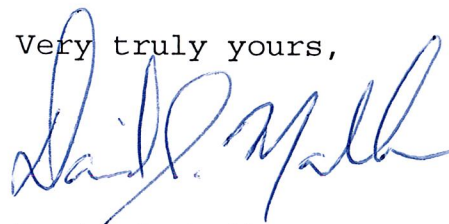
Second, the proposed addition will not extend the site boundaries. The proposed equipment shelter will be located adjacent to the tower within the existing fenced compound. The gravel drive will be slightly enlarged and the gate relocated to accomodate SCLP's building. All this activity will occur on the existing leased parcel. 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 0.073 mW/cm^2 to the existing Metro Mobile level of 0.062 mW/cm^2 for a total of 0.135 mW/cm^2 for the combined operation of the two companies at the site. This power density level is 23% of the ANSI standard for uncontrolled environments at cellular frequencies of approximately 0.587 mW/cm^2 .

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

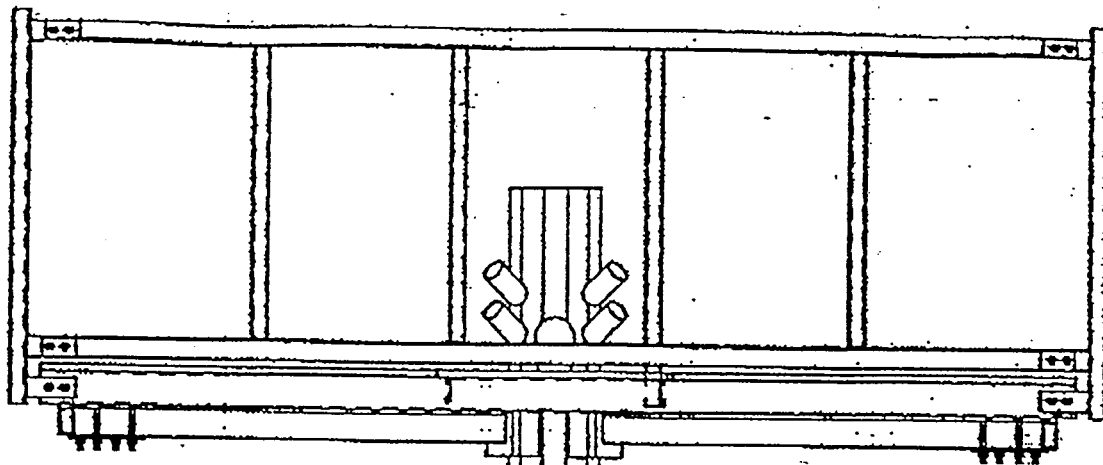
Very truly yours,



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

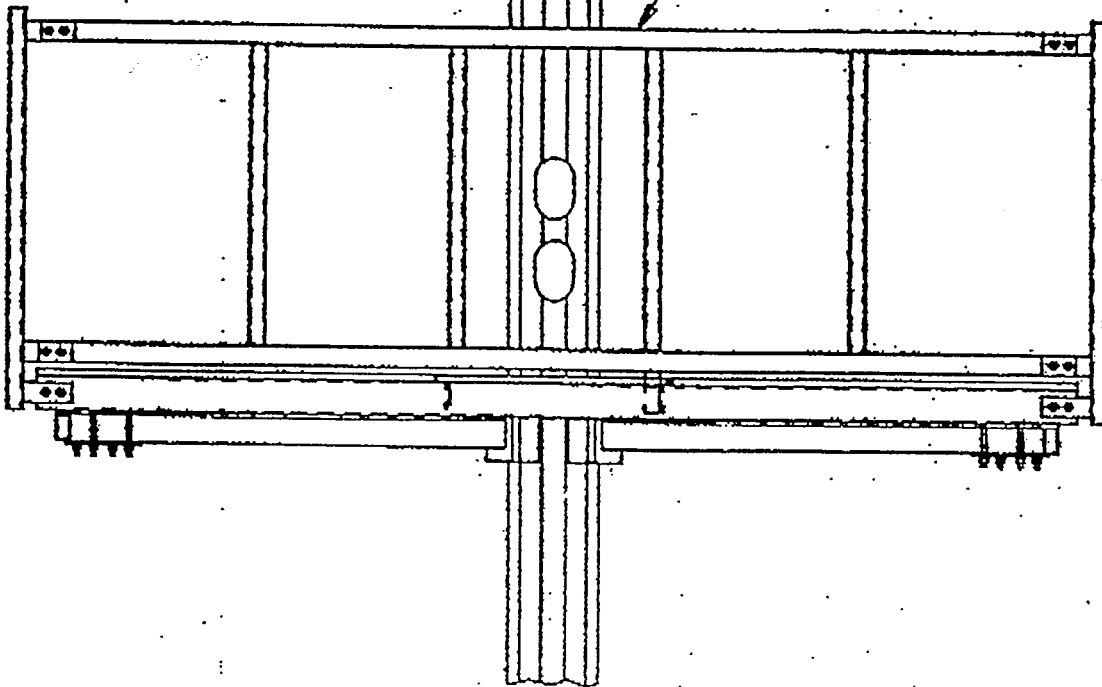
Attachments

cc:Honorable Zita B. McMahon, First Selectman, Town of Newtown



EXISTING POLE SHAFT

RAIL ASSEMBLY



REVISED
 METROMOBILE - CT
 PROPOSED PLATFORM MODIFICATION
 FOR THE EXISTING FAIRFIELD SITE

WORK #	DATE	BY
10750-88	MAL	NONE
POLE HEIGHT	DATE	
160 FT	04-01-92	



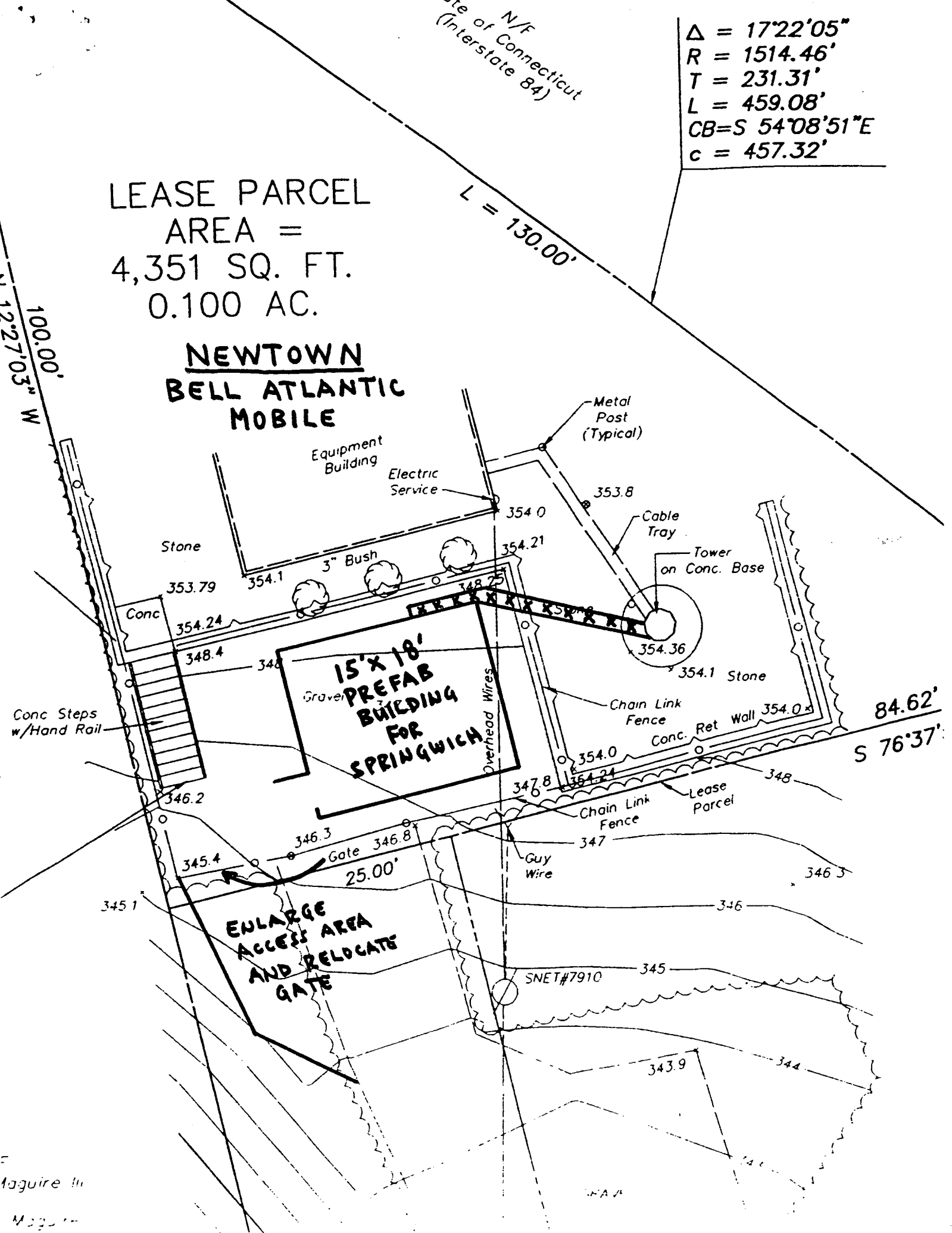
VALMONT
 VALMONT INDUSTRIES, INC.
 VALLEY, NEBRASKA 68454
 (402) 867-2281

N/F
Site of Connecticut
(Interstate 84)

$\Delta = 17^{\circ}22'05''$
 $R = 1514.46'$
 $T = 231.31'$
 $L = 459.08'$
 $CB = S 54^{\circ}08'51'' E$
 $c = 457.32'$

LEASE PARCEL
AREA =
4,351 SQ. FT.
0.100 AC.

NEWTOWN BELL ATLANTIC MOBILE



Maguire III
Maguire

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

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General Manager - Engineering

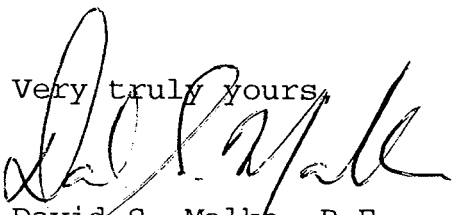
November 17, 1993

The Honorable Zita B. McMahon, First Selectman
Town of Newtown
Edmond Town Hall
45 Main Street
Newtown, CT 06470

Dear Selectman McMahon:

Metro Mobile CTS of Fairfield County, 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 Newtown. 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 November 17, 1993, 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