



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

November 16, 1994

Mary Douglas  
4009 Congress Street  
Fairfield, CT 06430

Dear Ms. Douglas:

At a public meeting on August 4, 1992, the Connecticut Siting Council (Council) acknowledged a notice from Bell Atlantic Metro Mobile (BAMM) of their intent to modify an existing telecommunications facility off of Wood House Road in Fairfield, Connecticut. At that time, BAMM supplied the Council with a "worst case" calculation for power density levels for non-ionizing radiation at the site. The calculated power density was 0.15964 milliwatts per square centimeter ( $\text{mW}/\text{cm}^2$ ) which was below the State standard of  $2.92 \text{ mW}/\text{cm}^2$  in effect at that time.

In 1994, the State of Connecticut adopted an updated American National Standards Institute (ANSI) power density standard which is approximately five times more stringent than the previous State standard.

Based on BAMM's worst case calculation, the power density at the site is approximately 27.5% of the current State standard of approximately  $0.58 \text{ mW}/\text{cm}^2$ .

Please find enclosed BAMM's notice of intent to modify an existing telecommunications facility and the Council's approval letter from 1992.

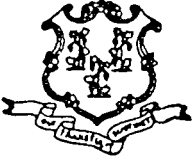
Please call me or Stephen M. Howard if you have any further questions.

Very truly yours,

Joel M. Rinebold  
Executive Director

JMR/SMH/ss

Enclosures



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

August 6, 1992

David S. Malko  
Manager, Engineering and  
Regulatory Services  
Bell Atlantic Metro Mobile  
20 Alexander Drive  
Wallingford, CT 06492

RE: Metro Mobile CTS of Fairfield County, Inc., notice of intent to allow Springwich Cellular Limited Partnership to install cellular telecommunications antennas and associated equipment on an existing facility site located off Wood House Road, Fairfield, Connecticut.

Dear Mr. Malko:

At a meeting held August 4, 1992, the Connecticut Siting Council acknowledged your notice of an exempt modification for an existing tower site on Wood House Road in Fairfield, Connecticut.

As proposed in your notice dated July 21, 1992, the modification is in compliance with the exception criteria specified in Regulations of State Agencies 16-50j-72 for changes to an existing facility site that would not increase the tower height, extend the boundary of the tower site, increase noise levels at the tower site boundary by 6 decibels, and add radio frequency transmitting capability which increases the total 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 acknowledge this first shared use of existing cellular towers by two cellular carriers which meets the Council's long-time goal and the public interest of sharing facilities to avoid the proliferation of additional tower structures.

Very truly yours,

*Mortimer A. Gelston*

Mortimer A. Gelston  
Chairman

MAG/TEF/cp

cc: Peter Van Wilgan

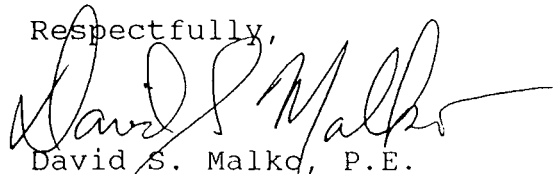
Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. Except during construction, the only noise associate with Springwich Cellular's equipment will be from air conditioning, when in use.

Fourth, Springwich Cellular's additional antennas will not increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to a level at or above the State Department of Environmental Protection standard. A worst case calculation at the base of the tower indicates that Springwich Cellular's antennas combined with Metro Mobile's operation would result in a power density level of 0.15964 mW/cm<sup>2</sup>. This power density level is 18.3% of the standard for cellular frequencies of 2.92mW/cm<sup>2</sup>.

For the foregoing reasons, Metro Mobile respectfully submits that the planned addition of Springwich Cellular's antennas and equipment, and Metro Mobile's building addition to the existing facility, constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b).

By copy of this letter, the chief elected official of the Town of Fairfield is receiving written notice of the intent to construct an exempt modification to the Metro Mobile facility in Fairfield, as required by R.C.S.A. Section 16-50j-73.

Respectfully,

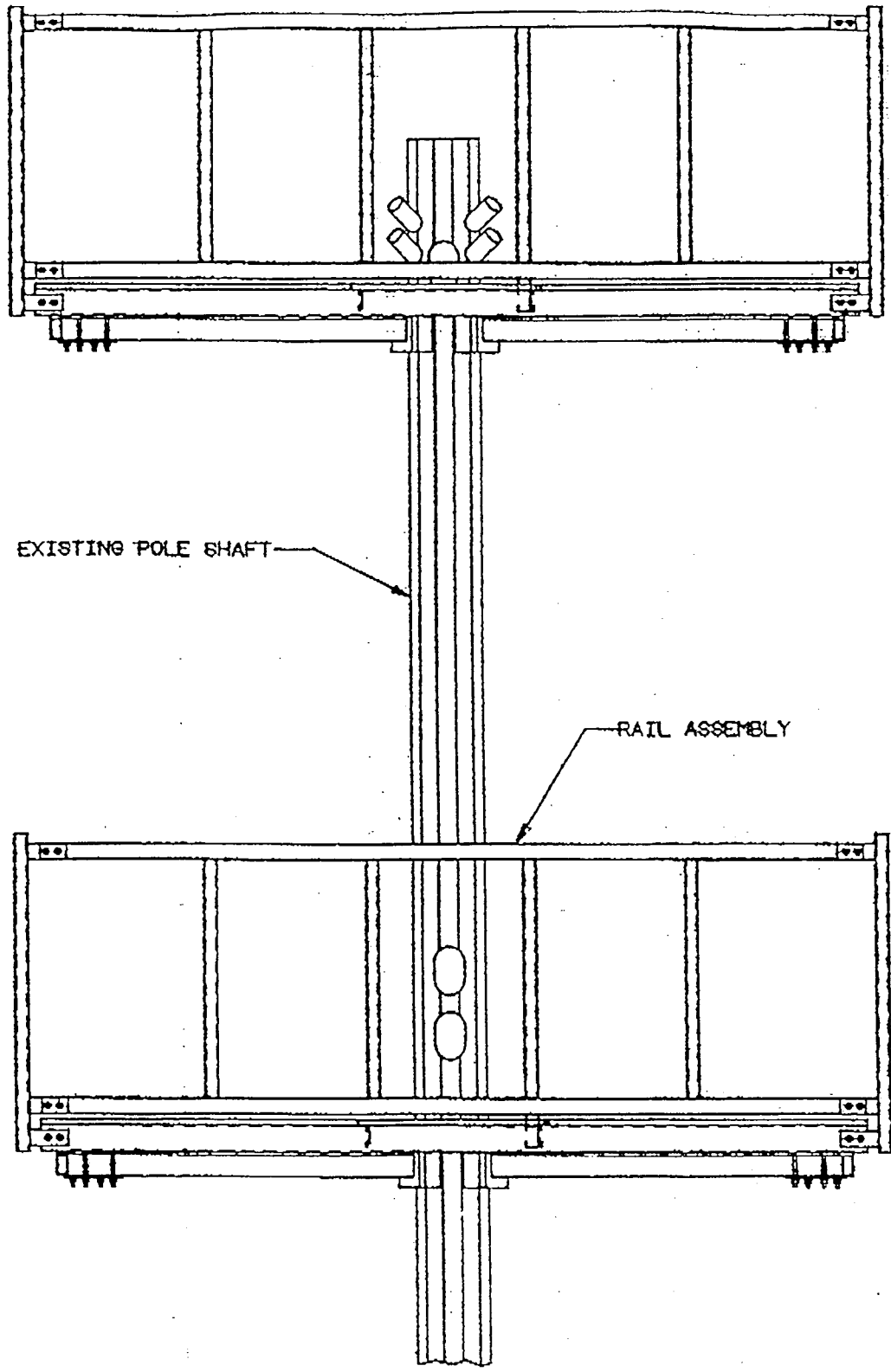


David S. Malko, P.E.  
Manager, Engineering and Regulatory Services

Attachments

cc: Jacquelyn C. Durrell, 1st Selectman





EXISTING POLE SHAFT

RAIL ASSEMBLY

METROMOBILE - CT  
 PROPOSED PLATFORM MODIFICATION  
 FOR THE EXISTING FAIRFIELD SITE

PROJECT NO.	DATE	SCALE
10750-88	MAL	NONE
PROJECT	DATE	
160 FT	04-01-92	



**VALMONT**  
 VALMONT MANUFACTURING, INC.  
 VALLEY, NEBRASKA, U.S.A.  
 (402) 837-2281

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

July 21, 1992

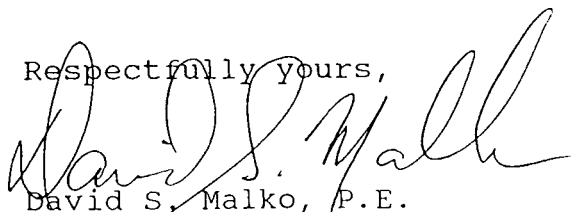
The Honorable Jacquelyn C. Durrell  
Office of the First Selectman  
725 Old Post Road  
Fairfield, Connecticut 06430

Dear Ms. Durrell:

Metro Mobile CTS of Fairfield County, Inc. and Springwich Cellular Limited Partnership plan to install cellular antennas and related equipment at an existing tower site owned by Metro Mobile CTS of Fairfield County, Inc. in Fairfield, Connecticut. 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 May 27, 1992, as notice of intent of our exempt modification to an existing tower pursuant to R.C.S.A. Section 16-50j-72(b).

The attached letter fully sets forth Metro Mobile'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 at 294-7403, or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Respectfully yours,



David S. Malko, P.E.  
Manager, Engineering and Regulatory Services

Attachments

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

July 21, 1992

**RECEIVED**

JUL 21 1992

**CONNECTICUT  
SITING COUNCIL**

Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051

Attention: Joel M. Rinebold, Executive Director

Re: Metro Mobile CTS of Fairfield County, Inc. - Fairfield Cell

Dear Mr. Rinebold:

Metro Mobile CTS of Fairfield County, Inc. ("Metro Mobile" or the "Company") plans to allow Springwich Cellular Limited Partnership to install cellular antennas and related equipment at the existing tower facility owned by Metro Mobile in Fairfield, 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).

The existing facility is a 160' self supporting monopole tower located on a 70' by 70' parcel off of Wood House Road in Fairfield. Metro Mobile plans to add a 15' by 21' addition to the existing equipment building while Springwich Cellular Limited Partnership plans to install 9 antennas to the existing tower and cellular equipment to the building addition.

The addition of Springwich Cellular's antennas and equipment and Metro Mobile's building addition 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, Metro Mobile's and Springwich Cellular's planned use of the facility falls squarely within those activities which explicitly do not constitute a modification to an existing tower, as set forth in R.C.S.A. Section 16-50j-72(b).

First, the height of the existing facility will be unaffected. Nine panel type transmit/receive antennas, Model DB-834-RF, will be face mounted on the lower platform at 144' AGL. The antennas will extend upward approximately 3 1/2' from the 144' level points. Thus, Springwich Cellular's antennas will extend no higher than the 148' level of the 173' tower including existing Metro Mobile appurtenances.

Second, the proposed addition will not expand the site (See attached site plan). Metro Mobile's equipment building addition to accommodate Springwich Cellular's equipment will extend 15' from the existing building and will be within the leased parcel. No strengthening of the tower is necessary in order for the tower to support the additional loading.

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

July 31, 1992

RECEIVED

AUG - 3 1992

CONNECTICUT  
SITING COUNCIL

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

Re: Fairfield Exempt Modification

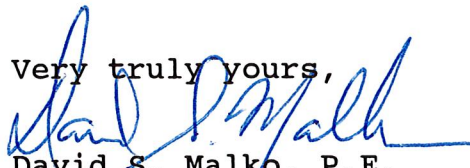
Dear Joel:

This is to provide you additional information in response to the recent memorandum from the Town of Fairfield. As indicated in the original filing, Metro Mobile plans to expand its existing building to accommodate a Springwich cell site. This building expansion will be accomplished by adding two new sections, identical in all respect, to the two sections currently in place. These sections will house the Springwich Cellular equipment which, like ours, requires heating, air-conditioning and ventilation. Enclosed are a copy of the manufacture's engineered drawings and our electrical, mechanical, structural and grounding plans for your information and/or review. Also enclosed are the Valmont drawings for the platform reworking necessary to accommodate Springwich's antennas.

Our procedure would be to provide these plans and drawings to the town's building department in order to secure the necessary building permits after receipt of the Council's acknowledgement of our exempt modification filing.

I trust this information will answer any outstanding questions raised by either the town or your staff such that a favorable ruling can be issued at your upcoming August 4, 1992 meeting. As always, Metro Mobile remains committed to our common goal of shared tower use as a means of minimizing the proliferation of towers wherever possible.

Very truly yours,

  
David S. Malko, P.E.  
Manager, Engineering &  
Regulatory Services

Enclosures

cc: Joseph E. Devonshuk, Director of TPZ

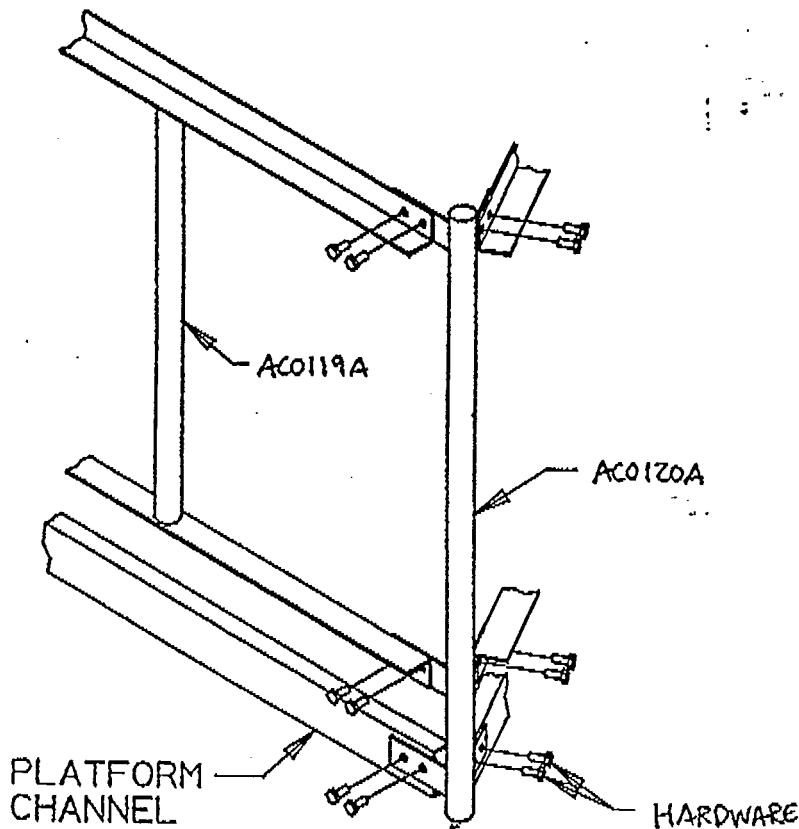


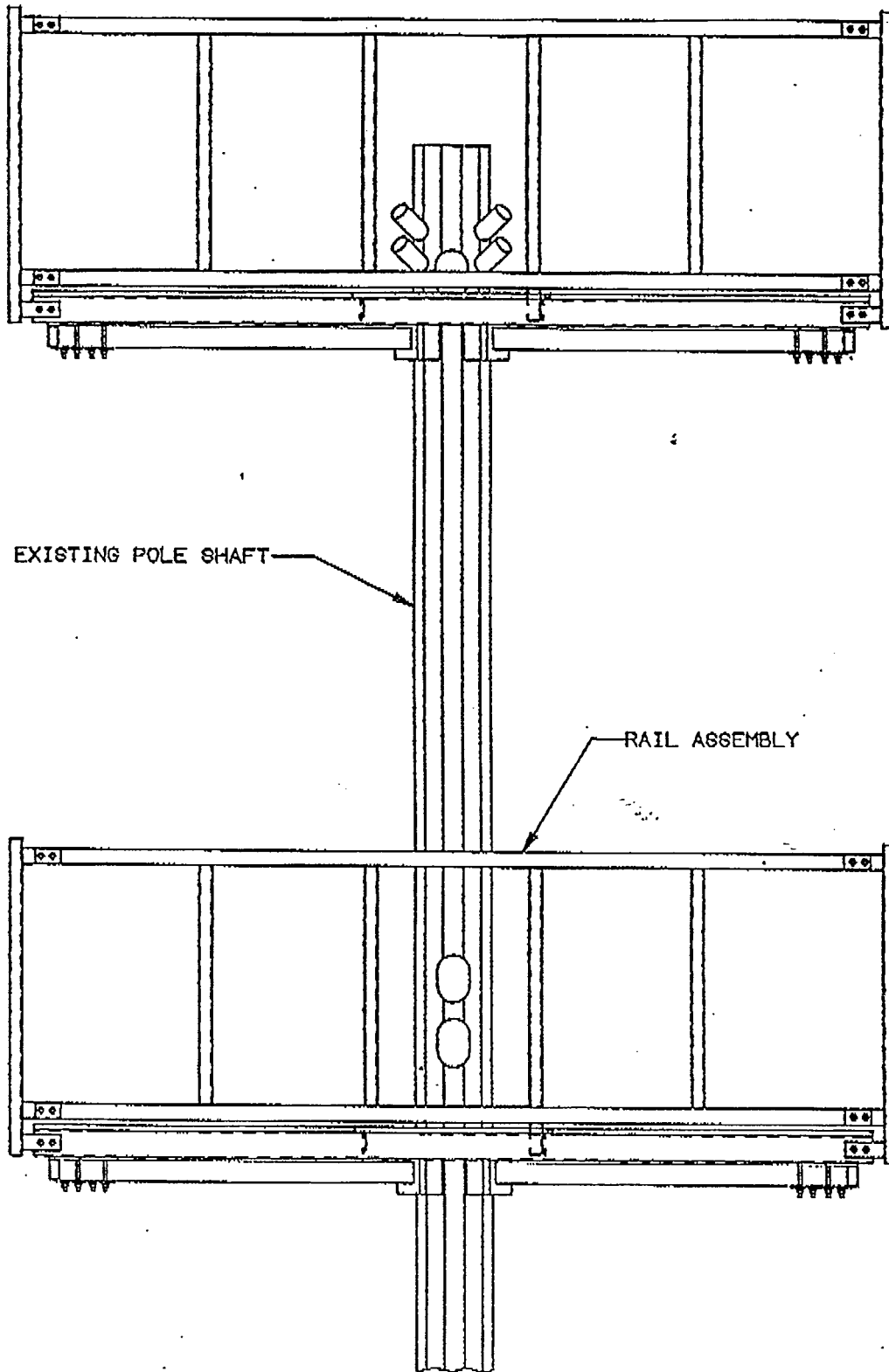
JUNE 24, 1992

ADDITIONAL PARTS FOR ADDING RAILS TO TWO (2) PLATFORMS:

PART NO	DESCRIPTION	WEIGHT	QTY
AC0119A	PLATFORM RAIL ASSEMBLY	188#	6
	angle - 3 x 3 x 1/4 x 12'-10" lg	2ea	
	pipe - 2" schedule 40 x 3'-8.25" lg	4ea	
AC0120A	CORNER POST ASSEMBLY	28#	6
	pipe - 2" schedule 40 x 4'-11" lg	1ea	
	tabs - 1/2 x 3 x 0'-7 1/4"	6ea	
161147	5/8" dia x 1 1/2" lg bolt - A325		76
333014	5/8" dia lock nut - A563		76

Total price for both rail kits and hardware: \$1,750.00





EXISTING POLE SHAFT

RAIL ASSEMBLY

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

PROJECT	DESIGN	SCALE
10750-08	MAL	NONE
160 FT	DATE	
	04-01-92	



**VALMONT.**  
 VALMONT INDUSTRIES, INC.  
 VALLEY, NEBRASKA, 68044  
 (402) 384-2221

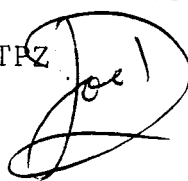
**RECEIVED**

AUG - 3 1992  
CONNECTICUT  
SITING COUNCIL

**TOWN OF FAIRFIELD**

**INTER-OFFICE CORRESPONDENCE**

**TO:** Sam D. Koutas, Executive Assistant to First Selectman  
**FROM:** Joseph E. Devonshuk, Director of TPZ  
**SUBJECT:** Bell Atlantic Metro Mobile  
**DATE:** July 29, 1992



This memo is in response to the letters from the Bell Atlantic Metro Mobile concerning expansion of their existing tower facility.

Please be advised that based on the information submitted, the Town Plan and Zoning department feels that the addition of Springwich Cellular's antennas and equipment and Metro Mobiles building addition to the tower site does constitute a modification and does significantly change and alter the physical characteristics of this facility.

This department, therefore, requests additional information including engineered building plans for the 15' by 21' addition to the existing equipment building and for the installation of the nine (9) antennas. A more specific explanation of the use of this facility is, also, required including an explanation for the need of air-conditioning equipment. Section 5.1.4. of the Fairfield Zoning Regulations states that public utility substations are subject to the securing of a special exception from the Town Plan and Zoning Commission.

This requested information is essential to determine if a special exception is required. If you have any questions or need any further comment please do not hesitate to contact me.

cc: David S. Malko, P.E., Bell Atlantic Metro Mobile  
Joel M. Rinebond, Executive Director, CT. Siting Council

**RECEIVED**

JUL 30 1992

**CONNECTICUT  
SITING COUNCIL**

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

July 21, 1992

**RECEIVED**

JUL 21 1992

**CONNECTICUT  
SITING COUNCIL**

Connecticut Siting Council  
136 Main Street  
Suite 401  
New Britain, Connecticut 06051

Attention: Joel M. Rinebold, Executive Director

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The existing facility is a 160' self supporting monopole tower located on a 70' by 70' parcel off of Wood House Road in Fairfield. Metro Mobile plans to add a 15' by 21' addition to the existing equipment building while Springwich Cellular Limited Partnership plans to install 9 antennas to the existing tower and cellular equipment to the building addition.

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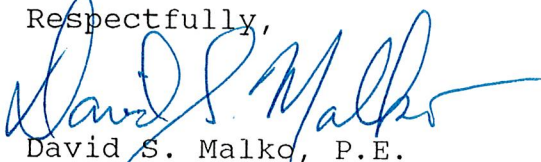
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For the foregoing reasons, Metro Mobile respectfully submits that the planned addition of Springwrich Cellular's antennas and equipment, and Metro Mobile's building addition to the existing facility, constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b).

By copy of this letter, the chief elected official of the Town of Fairfield is receiving written notice of the intent to construct an exempt modification to the Metro Mobile facility in Fairfield, as required by R.C.S.A. Section 16-50j-73.

Respectfully,



David S. Malko, P.E.  
Manager, Engineering and Regulatory Services

Attachments

cc: Jacquelyn C. Durrell, 1st Selectman

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

July 21, 1992

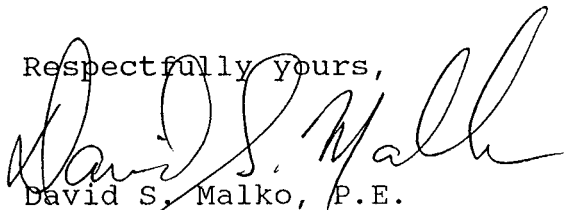
The Honorable Jacquelyn C. Durrell  
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725 Old Post Road  
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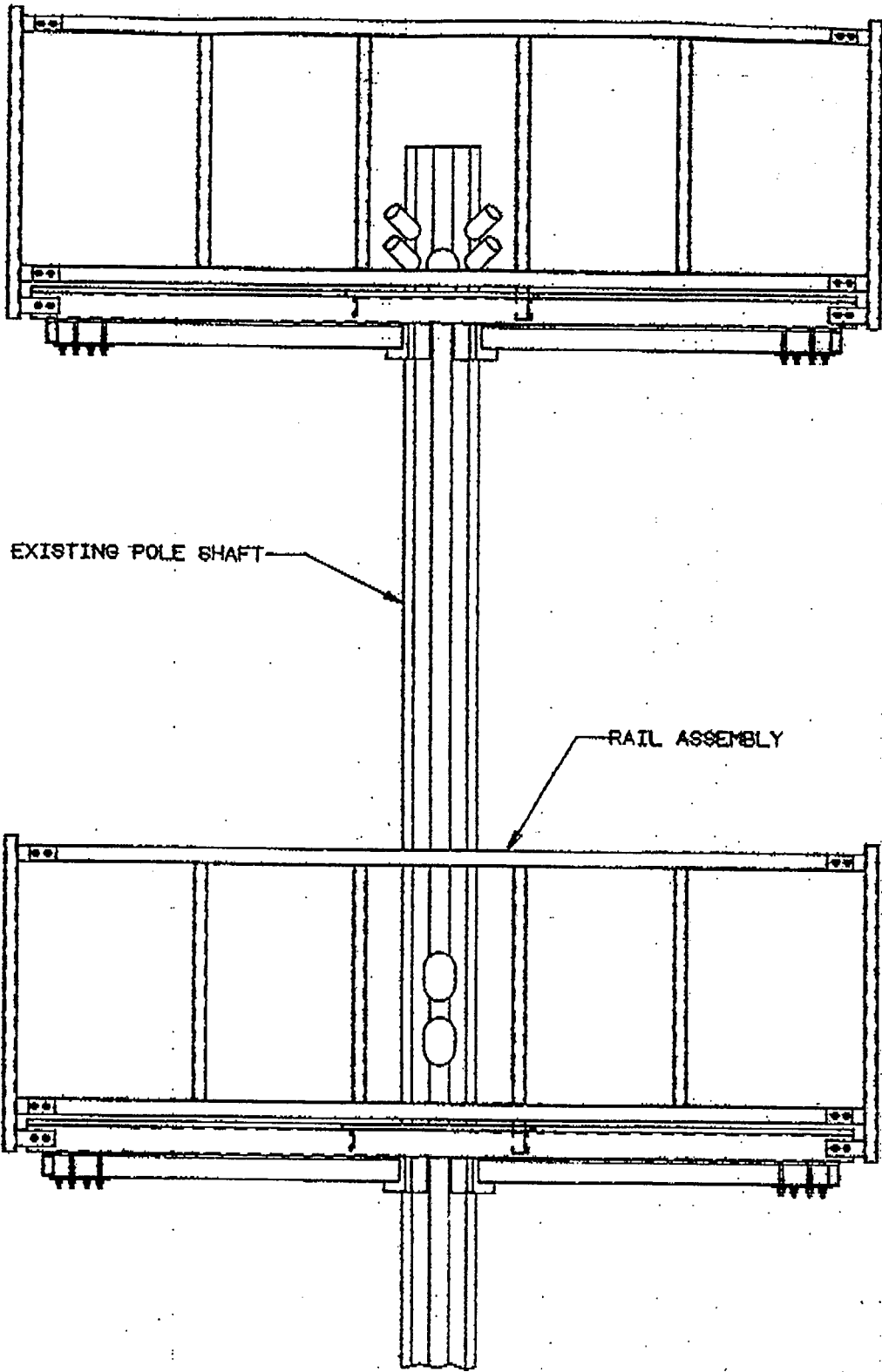
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Respectfully yours,



David S. Malko, P.E.  
Manager, Engineering and Regulatory Services

Attachments



EXISTING POLE SHAFT

RAIL ASSEMBLY

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

10750-88	SCALE	NONE
160 FT	DATE	04-01-92



**VALMONT**  
 VALMONT INDUSTRIES, INC.  
 VALLEY, NEBRASKA 68444  
 (402) 867-2221



