



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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

March 19, 1998

Peter J. Tyrrell  
Senior Counsel  
Springwich Cellular Limited Partnership  
500 Enterprise Drive  
Rocky Hill, CT 06067-3900

Re: Springwich Cellular Limited Partnership notice of intent to modify an existing telecommunications facility located on Blue Hills Avenue in Bloomfield, Connecticut.

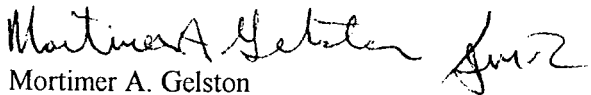
Dear Mr. Tyrrell:

At a public meeting held on March 16, 1998, the Connecticut Siting Council (Council) ruled that the proposed use of this tower would not cause a significant change or alteration in the physical and environmental characteristics of the site, and pursuant to Section 16-50j-72 (c) would constitute a regulatory exemption.

The proposed modifications are to be implemented as specified in your notice dated March 5, 1998. The modifications are in compliance with the exception criteria in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as changes to an existing non-facility site that have received all municipal zoning approvals and building permits that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six 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 General Statutes § 22a-162. The acknowledged change of antennas has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 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.

Thank you for your attention and cooperation.

Very truly yours,

  
Mortimer A. Gelston  
Chairman

MAG/RKE/sg

c: Honorable Faith McMahan, Mayor, Town of Bloomfield



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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

March 9, 1998

Honorable Faith McMahon  
Mayor of Bloomfield  
Town Hall  
800 Bloomfield Avenue  
P.O. Box 337  
Bloomfield, CT 06002

RE: Springwich Cellular Limited Partnership notice of intent to modify an existing telecommunications facility located on Blue Hills Road in Bloomfield, Connecticut.

Dear Mayor McMahon:

On March 5, 1998, the Connecticut Siting Council (Council) received a request from Springwich Cellular Limited Partnership to modify an existing telecommunications facility located on Blue Hills Avenue in Bloomfield, Connecticut, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Monday, March 16, 1998, at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this modification of an existing facility.

Thank you for your cooperation and consideration.

Very truly yours,

A handwritten signature in black ink, appearing to read "Joel M. Rinebold".

Joel M. Rinebold  
Executive Director

JMR/sg

Enclosure: Notice of Intent

**Springwich Cellular Limited Partnership**

500 Enterprise Drive  
Rocky Hill, Connecticut 06067-3900  
Phone: (860) 513-7755  
Fax: (860) 513-7614

March 5, 1998

**Peter J. Tyrrell**  
*General Counsel*

The Honorable Faith McMahon, Mayor  
Town of Bloomfield  
Town Hall  
800 Bloomfield Avenue  
Bloomfield, Connecticut 06002

Dear Mayor McMahon:

Springwich Cellular Limited Partnership (SCLP) plans to install antennas and associated equipment at the existing tower facility owned by Blue Hills Fire Department and located at the Blue Hills Fire Station on Blue Hills Avenue in Bloomfield. 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 February 26, 1998, as notice of intent of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72(c).

The attached letter fully describes SCLP's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7755 or Mr. Joel Rinebold, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,



Enclosure

Springwich Cellular Limited Partnership

**RECEIVED**

March 5, 1998

MAR 05 1998

500 Enterprise Drive  
Rocky Hill, Connecticut 06067-3900  
Phone: (860) 513-7755  
Fax: (860) 513-7614

**CONNECTICUT  
SITING COUNCIL**

**Peter J. Tyrrell**  
*General Counsel*

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

**RE: Springwich Cellular Limited Partnership--Bloomfield Cellular  
Communication Site**

Dear Chairman Gelston:

Springwich Cellular Limited Partnership (SCLP) plans to install cellular antennas and related equipment at the tower facility owned by Blue Hills Fire Department in Bloomfield, Connecticut. Please accept this letter as a notice of intent, pursuant to R.C.S.A. Section 16-50j-73, of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72(c). In further compliance with R.C.S.A. Section 16-59j-73, a copy of this letter is being sent to the Mayor of Bloomfield.

The existing non-facility tower is a 125' lattice type tower located behind the fire department building on Blue Hills Avenue in Bloomfield, Connecticut. SCLP plans to install nine panel-type cellular antennas on the tower (see Exhibit B attached). SCLP will also install a single story, approximately 12'x26' equipment building which will contain radio transmission equipment.

The addition of SCLP's antennas and equipment to the tower site does not constitute a substantial environmental affect since such additions do not cause a significant change or alteration in the physical and environmental characteristics of the site (see attached site plan). Rather, the planned changes to the existing non-facility tower falls squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72 (c).

First, the height of the existing tower will be unaffected. Nine antennas, ALP Model 11011N will be mounted, three per sector on a triangular platform to be attached to the tower. The center of radiation will be 100' AGL and the top of the antenna will be 102' high. The tower will not require any structural modification to support the proposed attachments.

Second, the proposed addition will not extend the site boundaries. The proposed equipment building will be installed next to the tower (see attached site plan).

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more.

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. The following table summarizes the power densities at the site from the various sources on the tower (including those proposed herein) in relation to the standard.

FREQUENCY	POWER DENSITY	HEIGHT	STANDARD LIMITS (mW/cm <sup>2</sup> )	% OF STANDARD
Blue Hills Fire Dept. 452.250 T 457.250 R	.0013761	140'	.3015	.4564%
Omni Point 1933.2	.0069047	125'	1	.6905%
Page Net 901.0-901.1 R	.0044581	110'	.626666667	.7114%
Blue Hills Fire Dept. 452.550 T 458.850 R	.0022291	110'	.3017	.7388%
SCLP (Proposed) 880-894 T 835-849 R	.0683278	100'	.586666667	11.6468%
Blue Hills Fire Dept. 33.72-33.94	.0249736	60'	.20	12.4868%
Blue Hills Fire Dept. 173.3625	.0011238	40'	.20	.5619
<b>TOTAL</b>	<b>N/A</b>		<b>N/A</b>	<b>27.292%</b>

As the table demonstrated, SCLP's proposed antennas would contribute 11.6468% of the ANSI standard for the cellular frequency range, bringing the site total to 27.292% of the standard as calculated for a mixed frequency site.

Blue Hills Fire Department has received the necessary municipal approvals and permits for the project. Attached is a signed copy of the building permit to attach the antennas to the existing tower and install the equipment building.

For the foregoing reasons, SCLP requests a ruling that its proposed additions to the non-facility tower would not cause a significant change or alteration in the physical and environmental characteristics of the site pursuant to R.C.S.A. Section 16-50j-72 (c) (1). SCLP further submits that the changes comply with R.C.S.A. Sections 16-50j-72 (c) (2) through (5) and therefore request a determination that the placement of the antennas and equipment on the existing non-facility tower site does not constitute a substantial environmental effect under R.C.S.A. Section 16-50j-72(c)

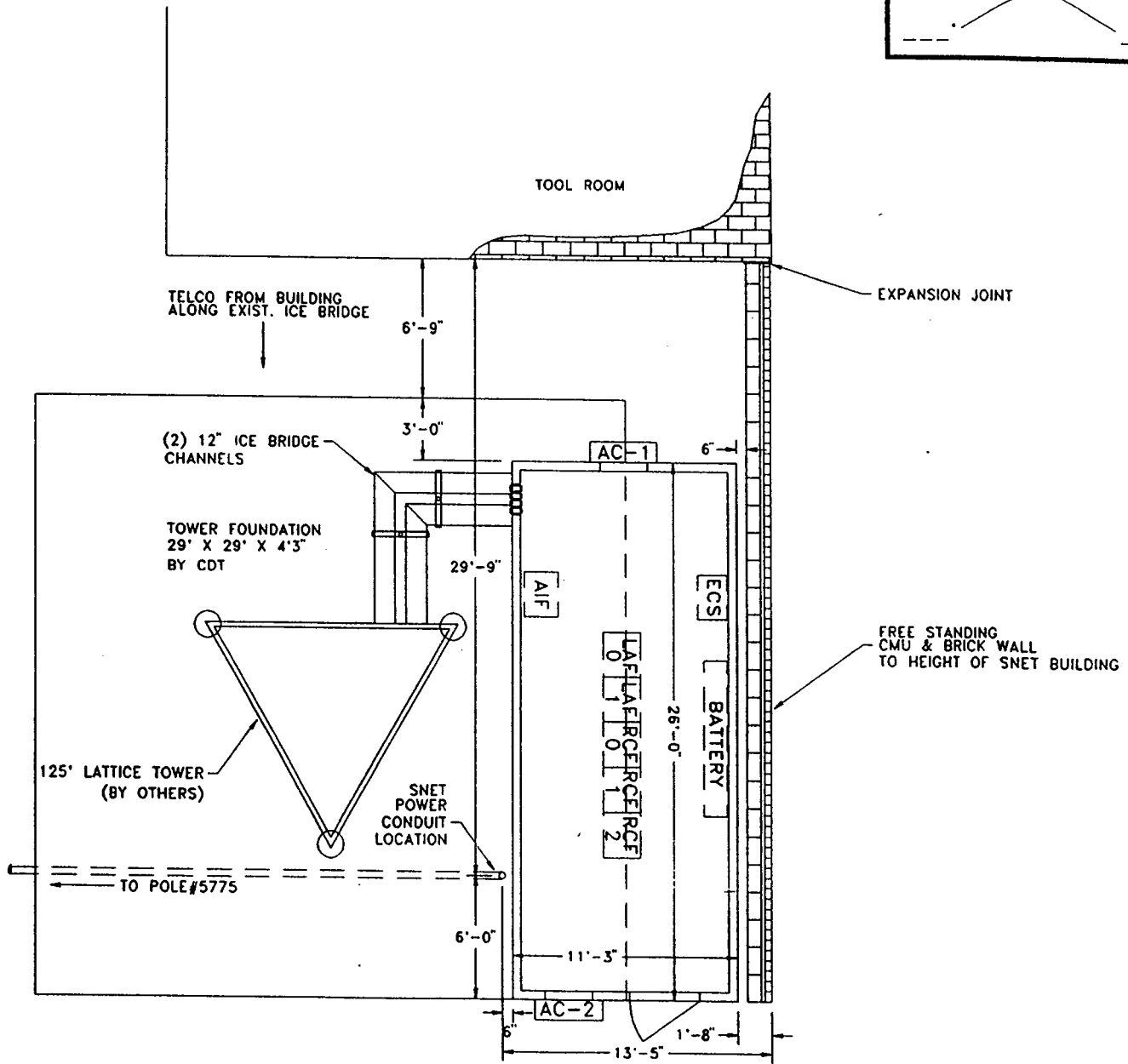
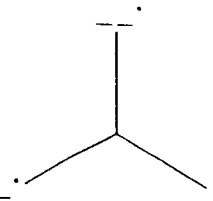
Thank you for your cooperation.

Sincerely,



RAD. CENTER: \_\_\_\_\_ FT. (AGL)  
 DIST. TO UTILITIES: ± 40 \_\_\_\_\_ FT.

ANTENNA ORIENTATION



SNET MOBILITY  
SITE EVALUATION  
FIELD SKETCH

NORTH



SITE NAME: BLUE HILLS FIRE STATION

ADDRESS: 1021 BLUE HILLS AVE.  
BLOOMFIELD, CT.

SNET #: 00000

MGI #: 14777

TASK #: 1002

DATE: 1/28/98

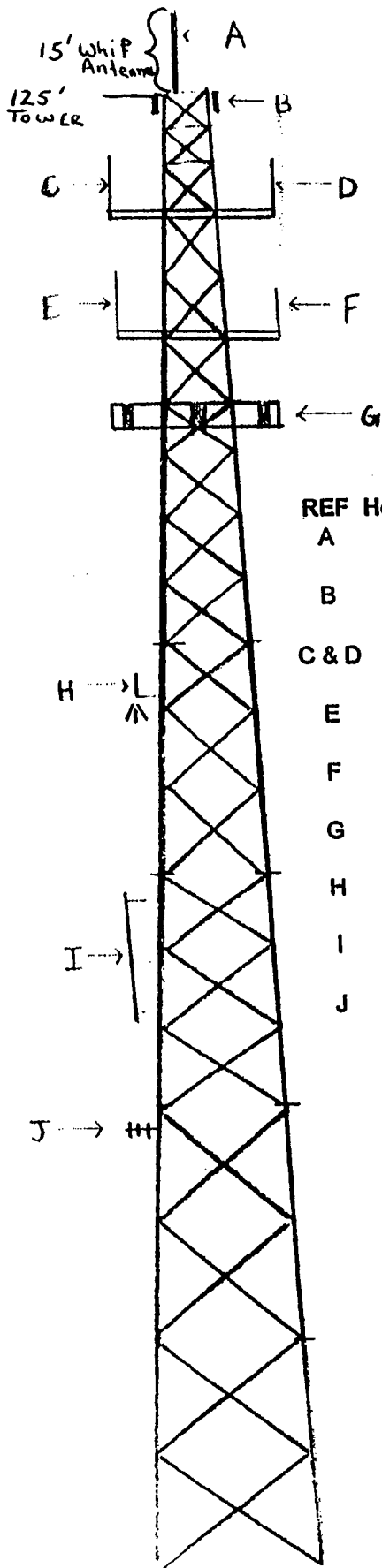
DRAWN: GMP | CHECKED: RGT | SCALE: 1/8" = 1'-0"



Maguire Group Inc.  
Engineers - Planners  
One Court Street  
New Britain, Connecticut 06051

THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR  
INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN  
OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED





**EXHIBIT B**  
Antennae Placement

REF	Height	licensee	Ant Type	Frequency	Line Type	Power
A	140	BHFD	5dB Whip	452.250 T 457.250 R	7/8 Heliac	75
B	125	Omnipoint Dualpole			7/8 Heliac	100/ch
C & D	119	Page Net Voice Now	Omni Whip	901.0 - 901.1 R	7/8 Heliac	
E	110	BHFD	3dB Whip	452.550 T 458.850 R	9913	75
F	110	Page Net Voice Now	Omni Whip	940.0 - 940.85 T	7/8 Heliac	
G	100	SCI	Panel	880 - 894 T 835 - 849 R	7/8 Heliac	100/ch
H	75	BHFD	Scanner	RX Only	9913	
I	60	BHFD	Dipole	33.72 33.94	9913	125
J	40	BHFD	Yagi	173.3625	9913	5

**BUILDING PERMIT**

BUILDING PERMIT NO.: B19678

Town of Bloomfield

ISSUE DATE: 22-JAN-98

Building Department; Bloomfield, Connecticut 06002

ADDRESS: 1,021 BLUE HILLS AVE LOT NO. 32 ZONE BW

Estimated Cost \$ 35,000.00 Fee \$ 1.00 [ ] Blanket [ ] No Blanket

PERMISSION IS HEREBY GRANTED TO: CORDLESS DATA TRANSF

To erect/install a(n) COMMUNICATIONS TOWER

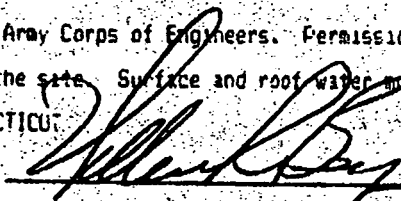
\_\_\_\_\_ at the above address to do the above work in accordance with the application on file and subject to the provisions of the Connecticut Building Code and the Bloomfield Code of Ordinances.

Use of \_\_\_\_\_

TYPE OF CONSTRUCTION: \_\_\_\_\_

OWNER	CONTRACTOR	Lic.No.
Name: <u>BLUE HILLS FIRE DIST.</u>	<u>CORDLESS DATA TRANSF</u>	
Address: <u>1021 BLUE HILLS AVE.</u>	<u>BOX 363</u>	
<u>BLOOMFIELD CT 06002</u>	<u>MARLBOROUGH CT 06447</u>	
Telephone: <u>860-243-8949</u>	<u>860-295-1473</u>	

Location of building as per plot plan filed with this application. If this site involves a wetlands or water-course, work under this permit may be subject to regulations by the U.S. Army Corps of Engineers. Permission must be obtained from the Building Department before building material can be placed on the site. Surface and roof water must not be connected with the sanitary sewer. BUILDING DEPARTMENT, TOWN OF BLOOMFIELD, CONNECTICUT

 BUILDING OFFICIAL

*IT IS THE RESPONSIBILITY OF THE APPLICANT OR HOMEOWNER TO SEE THAT A FINAL INSPECTION IS CONDUCTED ON THE COMPLETION OF THIS JOB. CONTACT THE BUILDING DEPARTMENT AT (860) 769-3516.*