



STATE OF CONNECTICUT

FILE
COPY

CONNECTICUT SITING COUNCIL

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

January 25, 1996

Peter J. Tyrrell
Senior Attorney
Springwich Cellular Limited Partnership
50 Enterprise Drive
Rocky Hill, CT 06067

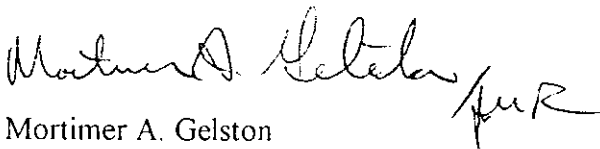
RE: Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications tower located at 273 Boombridge Road, North Stonington, Connecticut.

Dear Attorney Tyrrell:

At a meeting held January 23, 1996, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower is technically, legally, and 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 tower to avoid the unnecessary proliferation of tower structures.

The proposed shared use is to be implemented as specified in your letters dated December 15, 1995, and January 16, 1996. Please notify the Council when all work is complete. A copy of the staff report on this request is enclosed for your information.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/FOC/ss

Enclosure (1)

c: Honorable Charles E. Elias, First Selectman, Town of North Stonington ✓



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

Springwich Cellular Limited Partnership
Request for Order to Tower Share
North Stonington, Connecticut
January 23, 1996
Staff Report

On December 19, 1995, Springwich Cellular Limited Partnership (Springwich) requested an order to tower share an existing 180-foot guyed lattice tower owned and operated by Wireless Solutions, Inc. located at 273 Boombridge Road in North Stonington, Connecticut. This existing tower is set back approximately a quarter-mile from the road in an agricultural field and adjacent to I-95.

On December 20, 1994, the Connecticut Siting Council (Council) ordered tower sharing for Springwich to share an existing tower owned by the Romanellas less than a mile west of the Boombridge Road site. Since then the Romanella property was purchased by the Mashantucket Pequot Indian Tribe. The Mashantuckets denied Springwich's request for continued use of the property.

Springwich's antennas mounted on a platform would not extend above the height of the tower. An equipment building placed at the base of the tower would not extend the site boundaries. Noise levels at the site boundaries would not increase by more than six decibels. The operation of the antennas would result in an electromagnetic radiation power density of 0.0337 milliwatts per centimeter squared. This is a conservation calculation assuming worst case assumptions. The State has adopted the American National Standard Institute standard for cellular frequencies of 0.5867 MW/cm². Even though the tower owner has reserved the top of the tower, there are no other antennas on the tower.

The tower owner has constructed this site under municipal jurisdiction. While the access road is under municipal jurisdiction, it may become unstable in the spring, and Connecticut Guidelines for Soil Erosion and Sediment control may need to be applied for mitigation measures.

Consistent with General Statutes § 16-50aa, the proposed sharing of this tower would be technically, legally, environmentally, and economically feasible, and meets public safety concerns.

Springwich has entered into an agreement with Wireless Solutions, Inc. for sharing tower space. Springwich would follow Federal Communications Commission's technical regulations; "if the last party attaching to the tower causes interference to others where none had existed before, it is the responsibility of the party to eliminate said interference." The site has received all municipal approvals and meets the Town's land use requirement. Environmental impacts include installation of Springwich's equipment building, use of an air conditioner, and future traffic flow; however, these impacts would not be substantial. Finally, accessibility to the use of cellular phones by the general public and emergency personnel would benefit public safety.

On January 17, 1996, Fred O. Cunliffe, staff of the Council inspected this facility. Council staff recommends order to tower share for Springwich at 273 Boombridge Road in North Stonington.

Fred O. Cunliffe
Siting Analyst

FOC/ss

ORIGINAL

Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, Connecticut 06067
Phone (860) 513-7755

SPRINGWICH CELLULAR LIMITED PARTNERSHIP

Peter J. Tyrrell
General Counsel

December 15, 1995

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, CT 06051

RECEIVED

DEC 19 1995

**CONNECTICUT
SITING COUNCIL**

Dear Chairman Gelston:

The Springwich Cellular Limited Partnership (SCLP) proposes to add cellular antennas to an existing 180 foot guyed lattice style tower operated by the Wireless Solutions Limited Liability Company located at 273 Boombridge Road in North Stonington, Connecticut, in order to supplement its cellular coverage along the Connecticut/Rhode Island State line and along nearby Routes 2 and I-95. In compliance with the Regulations of Connecticut State Agencies (RCSA) Section 16-50j-73, a copy of this letter is being sent to the First Selectman of the Town of North Stonington.

This location replaces the site SCLP previously applied for on December 9, 1994 and which was approved by the Council on December 22, 1994 on the James Romanella and Sons property located at #50 Routes 49 and I-95. The Romanella property was purchased by the Mashantucket Pequot Indian Tribe before the existing tower could be replaced and the site placed in service, and was thus never used as a cell site.

SCLP proposes to attach nine (9) directional cellular panel antennas, Swedcom Model ALP-11011, to a platform attached to the tower between the 175 and 180 foot levels. Each antenna is approximately four feet long and one foot wide, thus our antennas will not exceed the height of the tower structure. The owner will install an antenna on the top of the tower, and FAA approval has been received for a total of 198 feet (tower plus antenna). SCLP will also install a twelve foot by sixteen foot equipment building at this location, to be used in providing cellular telecommunications services.

SCLP's proposed addition meets all necessary criteria established in RCSA Section 16-50j-72(c), and Connecticut

General Statutes (CGS) Section 16-50aa, and is thus an exempt facility pursuant to RCSA Section 16-50j-73.

The height of the site will be unaffected - SCLP's antennas will be attached to the existing platform and will not extend above the existing tower structure. SCLP's proposed equipment building will be placed adjacent to the tower and will not extend the site boundary. The use of the antennas or air conditioning units associated with the building will not increase the noise at the site boundary by six decibels or more. Operation of the proposed antennas will result in a radio frequency electromagnetic radiation power density (using very conservative calculations assuming worst case conditions at the base of the tower) of 0.0337 mW/cm^2 (5.74%), well below the level allowable by the ANSI and Connecticut State Standard of 0.5867 mW/cm^2 , as set forth in CGS Section 22(a)-162.

For the reasons discussed above, SCLP requests that the Council acknowledge that this Notice of Modification meets the Council's exemption criteria.

Very truly yours,



Copy to: Honorable Charles E. Elias, First Selectman,
Town of North Stonington, P. O. Box 91, North
Stonington, CT 06359

Mr. Robert J. Francis, Wireless Solutions, LLC,
P.O. Box 133, Colchester, CT 06415-0133

Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, Connecticut 06067
Phone (860) 513-7755

SPRINGWICH CELLULAR LIMITED PARTNERSHIP

Peter J. Tyrrell
General Counsel

December 15, 1994

The Honorable Charles E. Elias, First Selectman
Town of North Stonington
P. O. Box 91
North Stonington, CT 06359

Dear Mr. Elias:

The Springwich Cellular Limited Partnership plans to install cellular antennas and related cellular equipment at the existing radio tower site operated by Wireless Solutions LLC, located at 273 Boombridge Road in North Stonington, Connecticut.

As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies (RCSA), please accept this letter and the attached letter to the Connecticut Siting Council (Council) as Notice of Intent of our exempt modification to an existing tower pursuant to RCSA Section 16-50j-72(c), and Connecticut General Statutes (CGS) Section 16-50aa.

CGS Section 16-50aa authorizes the Council to grant approval, among other items, for the use of towers not originally certificated by them and the construction of associated equipment buildings. This avoids a lengthy hearing process for the Town and the proliferation of additional towers by making available numerous towers not previously available for use.

The attached letter fully sets forth the Springwich proposal. However, if you have any questions or require further information on these plans or the Siting Council's procedures, please feel free to contact me or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council, at (860) 827-7682.

Very truly yours,



Copy to: Mr. Robert J. Francis, Wireless Solutions LLC,
P.O. Box 133, Colchester, CT 06415-0133

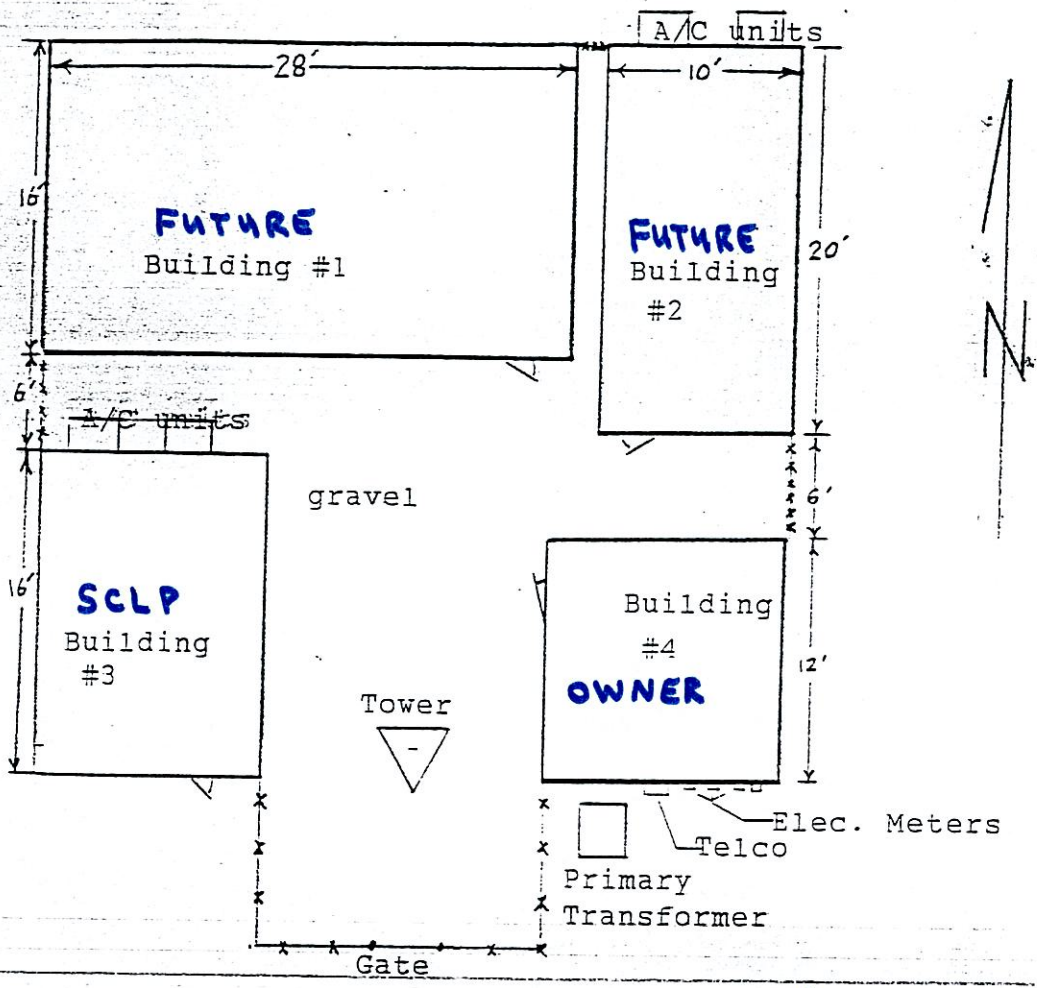
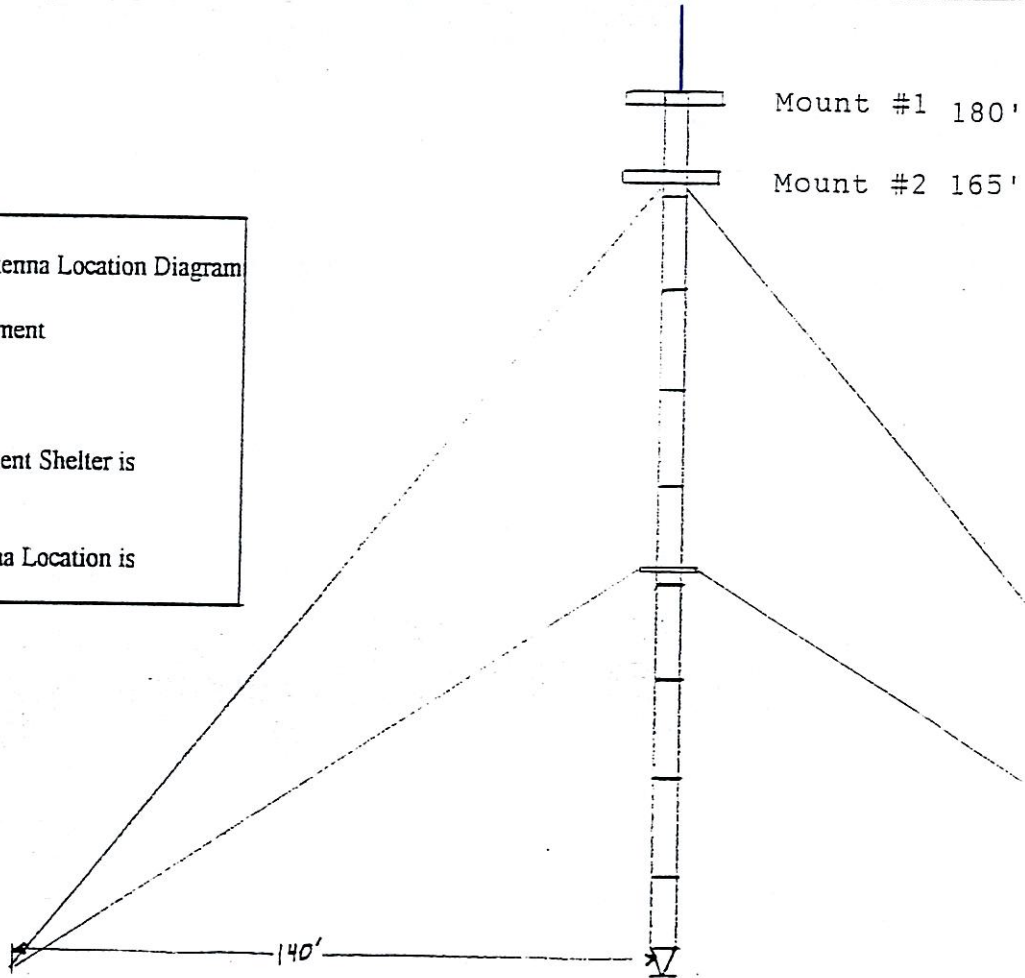


Exhibit A.1
 Building and Antenna Location Diagram
 SMI WSL Agreement
 October 9, 1995
 Licensee' Equipment Shelter is
 Building #3
 Licensee's Antenna Location is
 Mount #1



**NORTH STONINGTON
 (SOUTH)**

Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, Connecticut 06067
Phone (860) 513-7755

SPRINGWICH CELLULAR LIMITED PARTNERSHIP

Peter J. Tyrrell
General Counsel

January 16, 1996

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, CT 06051

RECEIVED

JAN 16 1996

**CONNECTICUT
SITING COUNCIL**

Dear Chairman Gelston:

The attached information supplements the Springwich Cellular Limited Partnership's filing dated December 15, 1995 requesting approval for a new cellular radio site in North Stonington, Connecticut.

This additional information details the specific areas of concern as required in Section 16-50aa of the Connecticut General Statutes as they pertain to the sharing of towers.

Very truly yours,

Peter J. Tyrrell

NORTH STONINGTON

CGS Section 16-50aa states in part that "The General Assembly finds that the sharing of towers for fair consideration whenever technically, legally, environmentally and economically feasible, and whenever such sharing meets public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest".

SCLP's use of the existing tower in North Stonington directly addresses and supports the General Assembly's and the Connecticut Siting Council's goal of using existing towers whenever possible. Upon SCLP's showing, as stated below, that the above criteria have been met, the Council, pursuant to CGS Section 16-50aa, is permitted to find that shared use is feasible and issue an order approving such shared use.

SCLP addresses the specific areas of concern as follows:

Fair Consideration - SCLP has entered into an agreement with the Wireless Solutions Limited Liability Company for the use of its land and tower space. The parties have reached a mutually acceptable agreement through negotiations of a fair rental and lease term. Both parties are in agreement with this arrangement.

Technical - Under FCC regulations, if the last party attaching to a tower causes interference to others where none had existed before, it is the responsibility of that party to eliminate said interference. SCLP recognizes and supports such regulation, and complies with the FCC rules in this respect when it is not the first party on a tower, and insists that others comply when they attach subsequent to SCLP. SCLP has never been advised that it has caused interference to any AM, FM, public service, two way radio or television reception from any of its sites.

Legal - The Town of North Stonington approved this location and the construction of the buildings and associated tower. It took this step after determining that the facility met the Town's land use requirements. SCLP has executed a lease with the owner of this site. This lease permits, upon the Council's approval, use of the existing tower and real estate as a cellular site location. Pursuant to CGS Section 16-50aa, the Council has been authorized by

the Connecticut State Legislature to issue an order approving the shared use of an existing tower. This new authority compliments the Council's existing power to issue orders approving the construction of new towers if similar criteria are met. This is because the Council may rely on the Town as having sited the facility originally. Similarly, the Council's new authority under CGS Section 16-50aa is co-extensive with the Council's existing power pursuant to Connecticut General Statute 16-50x(a). Thus, the Council, whether ruling on applications for certificates of facilities or on requests for shared use of towers, may give such consideration to other state laws and municipal regulations as it deems appropriate. This new authority completes the bundle of jurisdiction needed to share towers and avoid their proliferation. The Council's order in this matter thus becomes the final step in the siting process as envisioned by the Legislature. The Council's order permits SCLP to obtain a building permit for the equipment building at this location and to share the use of this tower.

Environmental - As this site utilizes an existing tower and requires only the installation of a 12 foot x 16 foot one story equipment building, SCLP's use of this location will cause minimal environmental impact. The equipment shelter is a one story, pebble stone finished prefab building which will not detract from the surrounding area. Cell sites are unmanned, do not require water or sanitary facilities, and do not increase vehicle traffic to the area. The only outside noise emitted from the site is the operating of the air conditioning units required to keep the equipment cool. As the site operates electrically, it does not emit any air pollutants such as sulphur oxide, nitrous oxide, hydrocarbon or carbon monoxide commonly found as by-products of combustion. The land is level and the limited construction activities should not cause erosion on the site. There will be approximately four weeks of construction activity at this site. After construction, only once a week visits by technicians for normal maintenance will occur, thus no significant traffic pattern changes will occur.

Economically Feasible - This location allows the installation of a cell site without the construction of a new tower, and thus provides a direct cost saving to SCLP. A fair rental rate has already been negotiated with the tower owner.

Public Safety - The provision of new or improved cellular service along the Connecticut/Rhode Island border and on Routes 2 and I-95 in the North Stonington area through the use of an existing transmitting facility can only improve the safety and welfare of the local residents. This is because the emergency use of cellular service enables police, fire and medical personnel to be contacted

quickly in the time of need. Cellular service has been invaluable in disaster relief efforts. Use of this tower will facilitate such relief if the need should unfortunately arise.

In consideration of the above facts, it is evident that SCLP fully supports the Connecticut Siting Council's and General Assembly's goal of shared use of towers whenever possible, and Council approval of SCLP's use of the North Stonington site is clearly in the best interest of both the public and the State.

For the reasons discussed above, SCLP requests that the Council acknowledge that this Notice meets the Council's sharing criteria pursuant to CGS Section 16-50aa.