

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

May 11, 2000

Peter W. van Wilgen
Director, Real Estate Operations
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: TS-SCLP-028-000406 - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located at 600 Old Hartford Road in Colchester, Connecticut.

Dear Mr. van Wilgen:

At a public meeting held May 10, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, 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 facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated April 6, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/grg

c: Honorable Jenny Contois, First Selectman, Town of Colchester
Mike Loucy, Site Development Manager, Sprint PCS



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APR - 6 2000

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SITING COUNCIL

500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7730
Fax: (860) 513-7614

Springwich Cellular Limited Partnership

April 6, 2000

Peter W. van Wilgen
Director - Real Estate Operations

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

Re: Request by Springwich Cellular Limited Partnership for an Order to Approve the Shared Use of a Tower Facility located at Old Hartford Road, Colchester, Connecticut.

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes (C.G.S.) Section 16-50aa, Springwich Cellular Limited Partnership ("SCLP" or "Applicant") hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use by the Applicant of an existing tower facility located at 600 Old Hartford Road in Colchester, Connecticut. The property is owned by Mr. Mark LeGault of Tolland, CT and managed by Cordless Data Transfer, Inc. (CDT), P. O. Box 363, Marlborough, CT 06447.

As shown on the attached drawings and as further described below, SCLP proposes to install antennas on the existing tower and to place its equipment in a 12' x 26' equipment shelter located at the base of the tower.

The Applicant requests that the Council find that the proposed shared use of the tower facility satisfies the criteria stated in C.G.S. § 16-50aa, and to issue an order approving the proposed use. A copy of this letter is being sent to the First Selectman of the Town of Colchester.

Background

Springwich Cellular Limited Partnership is licensed by the Federal Communications Commission ("FCC") to provide cellular telephone service in the New London New England County Metropolitan Area ("NECMA"), which includes the area to be served by the Applicant's proposed installation.

The existing 180' guyed tower facility is located off Route 2 on Old Hartford Road in Colchester, Connecticut, with coordinates of N 41° 35' 12", W 72° 22' 40". SCLP and CDT have agreed to the proposed shared use of this tower pursuant to mutually acceptable terms and conditions. CDT has authorized the Applicant to apply for all necessary permits, approvals and authorizations which may be required for the proposed shared use of this facility.

SCLP proposes to install nine (9) Allgon Model 7120.16 antennas, approximately 52 inches in height, on a second antenna platform with the center of radiation at approximately 170' above ground level ("AGL").

Statutory Considerations. C.G.S. § 16-50aa provides that, upon written request for approval of a proposed shared use, "if the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue and order approving such shared use." (C.G.S § 16-50aa(c)(1)).

The shared use of the tower satisfies the criteria in C.G.S § 16-50aa as follows:

- A. **Technical Feasibility.** The existing tower is structurally sound and capable of supporting the proposed shared use of the proposed SCLP antennas at the 170' level. The proposed shared use of this tower is therefore technically feasible.

- B. **Legal Feasibility.** Under C.G.S § 16-50aa, the Council has been authorized to issue an order approving the proposed shared use of an existing tower facility such as the facility located on Old Hartford Road. (C.G.S § 16-50aa(c) (1)). This authority complements the Council's prior-existing authority under C.G.S § 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. C.G.S § 16-50x(a) directs the Council to "give such consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing tower facilities. Under the authority vested in the Council by C.G.S § 16-50aa, an order approving the shared use would permit the Applicant to obtain a building permit for the proposed installation.

- C. **Environmental Feasibility.** The proposed shared use of this tower facility would have a minimal environmental effect for the following reasons:
 1. The proposed installation would have an insignificant incremental visual impact and would not cause any significant change or alteration in the physical or environmental characteristics of the property. The addition of the proposed antennas would not increase the height of the tower. SCLP's equipment will be housed in a 12'x26' equipment shelter located at the base of the tower.

2. The proposed installation would not increase noise levels at the existing facility by six decibels or more.
3. Operation of the additional antennas at this site will not increase the total radio frequency electromagnetic radiation power density levels adopted by the State of Connecticut and the FCC as shown below. "Worst-case" exposure calculations for a point of interest at the base of the tower in relation to the operation of SCLP and Sprint's antenna arrays are as follows:

FREQUENCY	POWER DENSITY	HEIGHT	STANDARD LIMITS (mW/cm2)	% OF STANDARD
SNET Wireless 880-894	0.02558	170'	0.5867	4.36%
Sprint PCS 1962.5	0.01642	180'	1.0000	1.64%
TOTAL	N/A		N/A	6.00%

As the table demonstrates, The collective "worst-case" exposure would be only 6.00 % of the ANSI/IEE standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be well below applicable ANSI/IEE standards.

4. The proposed installation would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is completed (approximately four weeks), the proposed installation would not generate any vehicular traffic other than periodic maintenance visits. The proposed use of the facility would therefore have a minimal environmental effect, and is environmentally feasible.

D. **Economic Feasibility.** SCLP has entered into an agreement with CDT and the property owner to share use of the tower and install a new equipment building. The proposed facility sharing is therefore economically feasible.

E. **Public Safety Concerns.** As stated above, the existing tower was recently constructed and was designed for multiple carriers and is structurally capable of supporting the Applicant's proposed antennas. The Applicant is not aware of any other public safety concerns relative to the proposed sharing of the tower. In fact, the provision of new or improved wireless coverage in the area is expected to enhance the safety and welfare of Colchester residents. The proposed-shared use of this facility would improve public safety in the Town of Colchester.

Conclusion

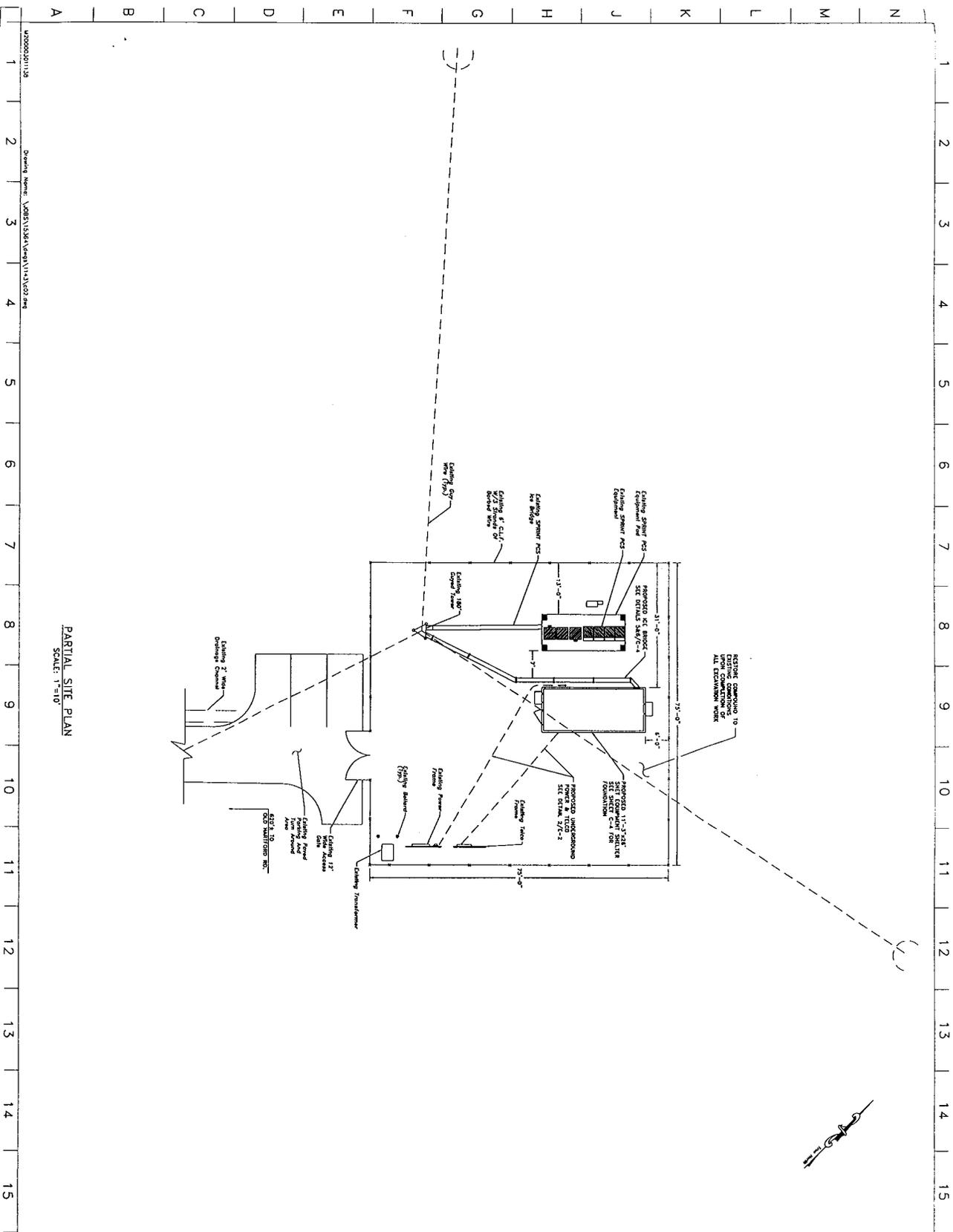
For the reasons discussed above, the proposed shared use of the existing tower facility at 600 Old Hartford Road in the Town of Colchester satisfies the criteria stated in C.G.S. § 16-50aa and advances the General Assembly's and the Council's goal of preventing the proliferation of Towers in Connecticut. The Applicant therefore respectfully requests that the Council issue an order approving the proposed shared use.

Sincerely,

A handwritten signature in black ink, appearing to be "L. W. [unclear]", with a long horizontal flourish extending to the right.

cc:

enclosures



PARTIAL SITE PLAN
SCALE: 1"=10'

Maguire Group, Inc.
Architects Engineers Planners
Maguire Group
The Social Space
1000 State Street
Newport, RI 02840

CONSULTANT

KEY PLAN



SEAL



SNET MOBILITY INC.
LOCATION:
800 OLD HARTFORD ROAD
COCHESTER, CT 06415
SPRINGMICH CELLULAR SITE
COCHESTER #2

DATE	3/10/00
REV	
CDR	AS NOTED
CHK	AS NOTED
SCALE	AS NOTED
DRAWN	AS NOTED
DESIGN	AS NOTED
DATE	3/10/00

C-2



500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7730
Fax: (860) 513-7614

Springwich Cellular Limited Partnership

Peter W. van Wilgen
Director - Real Estate Operations

April 6, 2000

Ms. Jenny Contoise, First Selectman
Town of Colchester
127 Norwich Avenue
Colchester, CT 06415

Dear Ms. Contoise:

**RE: Springwich Cellular Limited Partnership
Colchester Cellular Communication Site**

Springwich Cellular Limited Partnership (SCLP) plans to install antennas and associated equipment at the existing tower facility operated or owned and operated by Cordless Data Transfer, Inc. (CDT) located on Old Hartford Road. 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 April 6, 2000 of SCLP's intention to use this site.

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) 513-7730 or Mr. Joel Rinebold, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter W. van Wilgen". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Enclosure



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Springwich Cellular Limited Partnership

Peter W. van Wilgen
Director - Real Estate Operations

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Sincerely,

Enclosure

SNET Old Hartford Rd. Colchester

