



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

September 14, 1998

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

RE: TS-SCLP-014-980901 - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located at 150 North Main Street in Branford, Connecticut.

Dear Mr. Tyrrell:

At a public meeting held on September 10, 1998, 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 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 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 September 1, 1998, for the temporary and permanent proposals to share the tower subject to the placement of vegetative screening in accordance with Town orders. Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/jlh

c: Honorable Anthony DaRos, First Selectman, Town of Branford



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

September 4, 1998

Honorable Anthony J. DaRos
First Selectman
Town Hall
1019 Main Street, P.O. Box 150
Branford, CT 06405

RE: TS-SCLP-014-980901 - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located at 150 North Main Street in Branford, Connecticut.

Dear Mr. DaRos:

On September 1, 1998, the Connecticut Siting Council (Council) received a request from Springwich Cellular Limited Partnership for an order to approve tower sharing at an existing telecommunications facility located at 150 North Main Street in Branford, Connecticut, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Tuesday, September 10, 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/jlh

Enclosure: Notice of Intent

Springwich Cellular Limited Partnership

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

September 1, 1998

SEP 01 1998

Peter W. van Wilgen
Director - Real Estate Operations

CONNECTICUT
SITING COUNCIL

HAND DELIVERED

Mr. Joel M. Rinebold, Executive Director
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,
150 North Main Street, Branford, Connecticut.

Dear Mr. Rinebold:

Pursuant to Connecticut General Statutes (C.G.S.) Sec. 16-50aa, Springwich Cellular Limited Partnership ("SCLP") 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 150 North Main Street in Branford, Connecticut. The property is owned by Irene Maculaitis, from which Sprint Spectrum L.P. ("Sprint") leases property for the tower facility. Sprint owns and operates the tower.

As shown on the attached drawings and as further described below, SCLP proposes to install antennas on the existing tower and to place a 12' x 26' prefabricated equipment building next to the tower. SCLP presently experiences considerable interference to its network at this location, and has had numerous customer complaints. As described further below, in order to provide improved service at this location as soon as possible, SCLP proposes to place a temporary equipment building on a flatbed trailer at the base of the tower until the permanent installation can be completed.

The Applicant requests that the Council find that the proposed shared use of the tower facility satisfies the criteria stated in C.G.S. Sec. 16-50aa, and to issue an order approving the proposed shared use.

Background

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

The Sprint facility at 150 North Main Street, Branford, Connecticut consists of a 50' x 50' leased area, on which is located a 150' monopole and three Sprint equipment cabinets located at the base of the monopole. The monopole supports several Sprint antennas which provide wireless telecommunication service to the public pursuant to its FCC license. The Applicant and Sprint have agreed to the proposed shared use of this tower pursuant to mutually acceptable terms and conditions. Sprint 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 up to twelve (12) Allgon Model 7120.16 antennas approximately 52 inches in height on a second antenna platform, with their center of radiation at approximately 110 feet above ground level ("AGL"). Equipment associated with these antennas will be located temporarily in SCLP's 12' x 16' building, placed on a flatbed trailer at the base of the tower. This building/flatbed trailer arrangement was previously used at the GHO and proved to be extremely helpful in providing temporary coverage. SCLP proposes to install its permanent antennas on the tower and operate its equipment from the temporary building while construction of the permanent installation is being completed. Once the permanent building installation and site work have been completed, the temporary building and flatbed would be removed from the site.

C.G.S. Sec. 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 an order approving such shared use." (C.G.S. Sec. 16-50aa(c)(1)).

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

A. Technical Feasibility. The existing tower is structurally sound and capable of supporting the proposed SCLP antennas, as well as a future carrier at the 130' level. A tower analysis was performed on the tower by Paul J. Ford and Company. The proposed shared use of this tower is therefore technically feasible.

B. Legal Feasibility. Under C.G.S. Sec. 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 in Branford. (C.G.S. Sec. 16-50aa(c)(1). This authority complements the Council's prior-existing authority under C.G.S. Sec. 16-50p to issue orders approving the construction of new towers that are subject to the Council's jurisdiction. C.G.S. Sec. 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. Sec. 16-50aa, an order by the Council approving the shared use would permit the Applicant to obtain a building permit for the proposed installation.

C. Environmental Feasibility. The proposed shared use 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. The equipment shelters, both temporary and permanent, will be placed within a fenced area, adjacent to Sprint's tower.
2. The proposed installation would not increase the noise levels at the existing facility by six decibels or more. The only additional noise will occur during temporary use of an emergency generator.
3. 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 applicable ANSI/IEEE standards. "Worst-case" exposure calculations for a point of interest at the base of the tower in relation to operation of SCLP's and Sprint's antenna arrays are as follows:

	<u>Applicable ANSI Standard</u>	<u>Calculated "Worst Case"</u>	<u>Percentage of Standard</u>
SCLP	0.5867	0.0639	10.89%
Sprint	1.000	0.0245	2.45%

The collective "worst-case" exposure would be only 13.34% of the ANSI/IEEE standard, as calculated for mixed frequency sites. Power density levels from shared use of the tower facility would thus be well below applicable ANSI/IEEE standards.

4. The proposed installation would not require any water or sanitary facilities, or generate discharges to water bodies. Operation of a portable back-up generator to be brought to the site only in emergency situations will result in limited air emissions. The proposed use of this facility would therefore have a minimal environmental effect and is environmentally feasible.

E. Economic Feasibility. As previously mentioned, Sprint and the Applicant have entered into a mutual agreement to share use of the existing tower on terms agreeable to the parties. The proposed tower sharing is therefore economically feasible.

F. Public Safety Concerns. As stated above, the existing tower 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 existing tower. In fact, the provision of new or improved cellular communications service in the Branford area through shared use of the existing tower is expected to enhance the safety and welfare of area residents and travelers.

Conclusion

For the reasons discussed above, the proposed shared use of the existing tower facility at 150 North Main Street in Branford satisfies the criteria stated in C.G.S. Sec. 16-50aa, and advances the General Assembly's and the Council's goal of preventing the proliferation of towers in Connecticut. The Applicant therefore request that the Council issue an order approving the proposed shared use.

Respectfully yours,

A handwritten signature in blue ink, appearing to read "C. Wang", with a long horizontal flourish extending to the right.

copy to: Anthony DaRos, First Selectman, Town of Branford

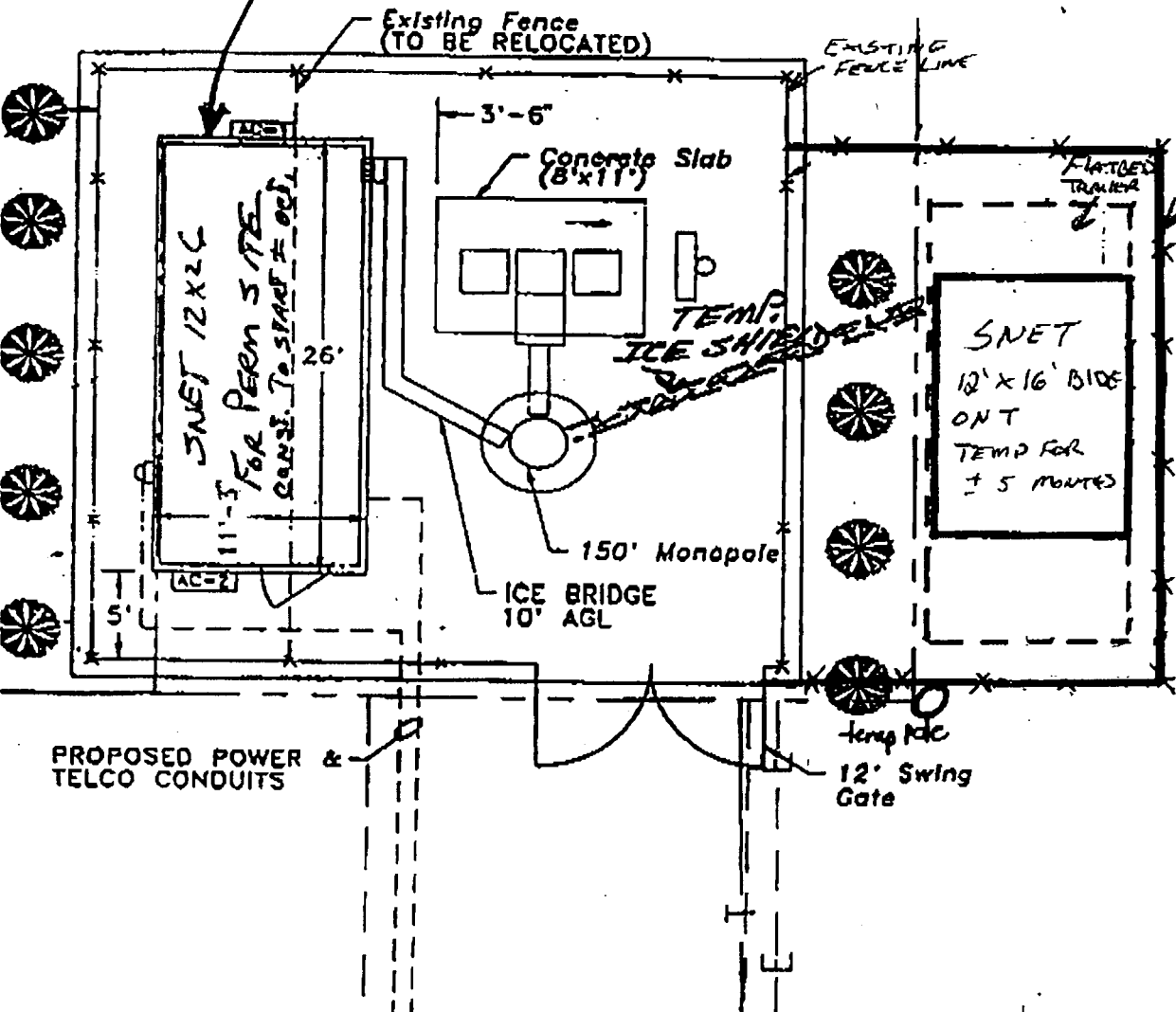
Attachments- site plan
tower profile

SPRINT TOWER

BRANFORD TOWER

Sprint Lease Area

SEE WO# 41106 FOR PERM SITE REPT. 15 MONTHS

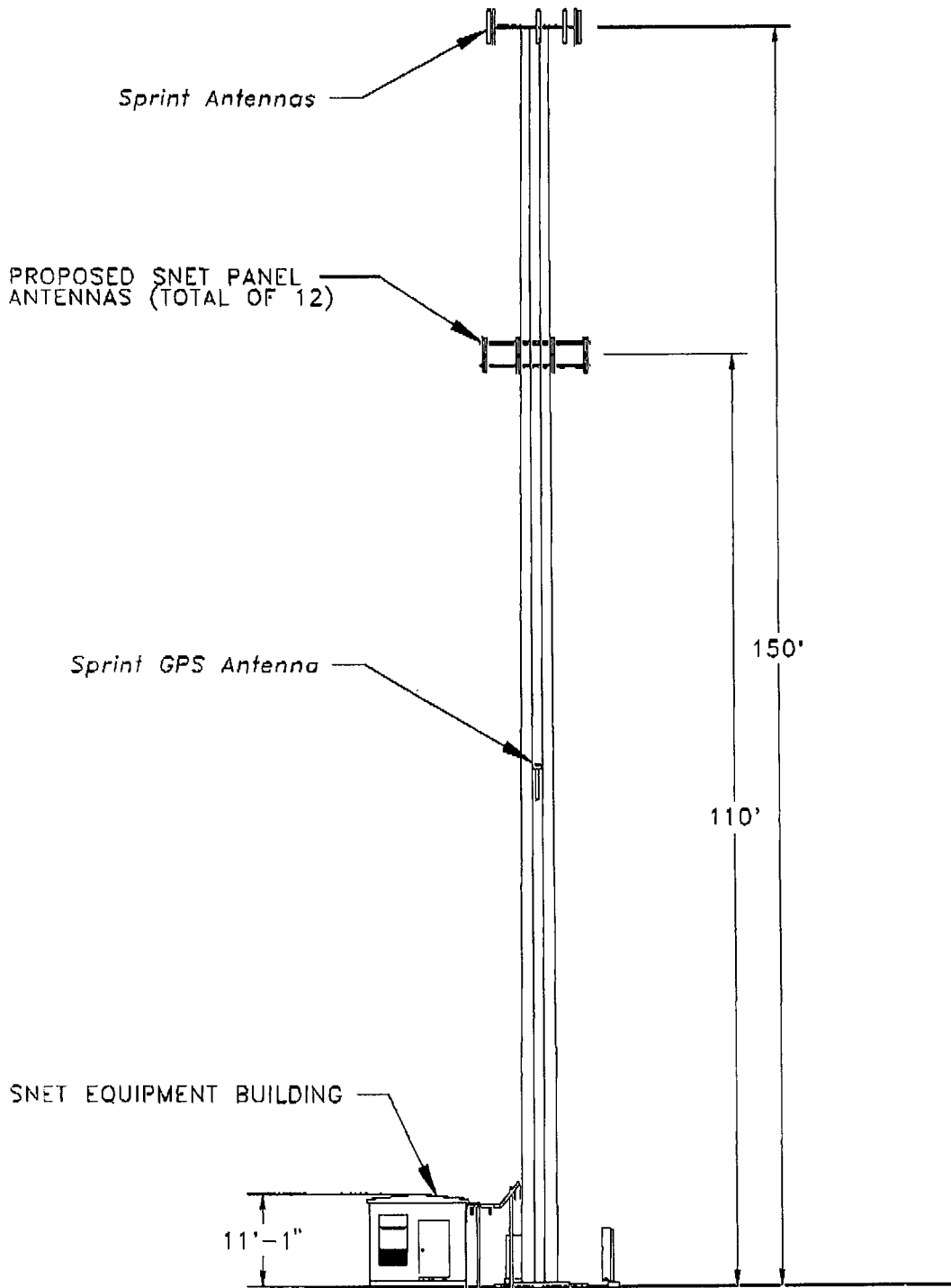


SECURITY FENCE AROUND TEMPORARY SNET FACILITY

FENCE SAME HEIGHT AS EXISTING FENCE

SITE NAME: BRANFORD - SPRINT TOWER			SNET #:
ADDRESS: 150 N. MAIN ST. BRANFORD, CT			MGI #: 14777
DRAWN: GMP			TASK #: 2051
CHECKED: RGT	SCALE: 1" = 10'		DATE: 7/11/98
THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED			

RAD. CENTER: ± 110 FT. (AGL)



TOWER ELEVATION

SNET MOBILITY PRELIMINARY DESIGN EXHIBIT	NORTH	SITE NAME: BRANFORD - SPRINT TOWER		SNET #:	
		ADDRESS: 150 N. MAIN ST. BRANFORD, CT		MGI #: 14777	
		DRAWN: GMP	CHECKED: RGT	SCALE: 1" = 20'	TASK #: 2051
		THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED			DATE: 8/27/98
Maguire Group Inc. Architects-Engineers-Planners One Court Street New Britain, Connecticut 06051					