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STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

July 27, 2000

Susan J. Bellion
Senior Real Estate & Zoning Manager
Nextel Communications
100 Corporate Place
Rocky Hill, CT 06067

RE: TS-NEXTEL-034-000630 - Nextel Communications, Inc. request for an order to approve tower sharing at an existing telecommunications tower located at 48 Newtown Road, Danbury, Connecticut.

Dear Ms. Bellion:

At a public meeting held July 25, 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 June 30, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Gene F. Eriquez, Mayor, City of Danbury
Peter van Wilgen, Springwich Cellular Limited Partnership
Sandy M. Carter, Verizon Wireless

TS-Nextel-034-000630

Nextel Communications

100 Corporate Place, Rocky Hill, CT 06067

860 513-5400 FAX 860 513-5444



June 30, 2000

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

CONNECTICUT
SITING COUNCIL

JUN 30 2000

RECEIVED

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes ("C.G.S.") § 16-50-aa, Nextel Communications, Inc., ("Nextel") respectfully requests Siting Council approval to install antennas on an existing communications tower located at 48 Newtown Road in Danbury, Connecticut and place our equipment within a building located adjacent to the tower. The facility is owned by 48 Newtown Road Corporation and is currently used by Verizon Communications formerly Bell Atlantic Mobile and SNET Wireless for their wireless telecommunications facilities.

Nextel respectfully asks the Council find the proposed shared use of the facility satisfies the criteria stated in C.G.S. § 16-50-aa and issue an order approving the shared use of this facility by Nextel.

Sincerely,

Susan J. Bellion
Senior Real Estate & Zoning Manager

cc: Honorable Gene F. Eriquez, Mayor
City of Danbury

TOWER SHARING

48 Newtown Road
Danbury, CT

BACKGROUND

Nextel Communications, Inc. ("Nextel") is licensed by the Federal Communications Commission (FCC) to provide wireless communication services in the State of Connecticut, including the City of Danbury.

Nextel proposes to install antennas on an existing 100-foot steel self-supporting monopole and placing its equipment within the landlord's building located adjacent to the monopole. The facility is owned by 48 Newtown Road Corporation and is located at 48 Newtown Road. The site is also used by Verizon Communications formerly Bell Atlantic Mobile and SNET Wireless for their wireless telecommunications facilities. SNET's antennas are located at the 100-foot centerline level and Verizon's antennas are located at the 88-foot centerline level.

NEXTEL INSTALLATION

Nextel proposes to install twelve (12) panel antennas at the 78-foot centerline level of the 100-foot tower. (See Attachment A) and place our equipment inside the landlord's building, located adjacent to the monopole .

POWER DENSITY INFORMATION

The operation of Nextel's antennas will not increase the total radio frequency electromagnetic power density measured at the based of the tower, to a level at (or even near) the State and Federal standard (36.127% of the CT Standard). "Worst case" calculations (see Attachment B) for a point at the tower base indicate a power density level well below State/Federal Standards.

OTHER RELEVANT INFORMATION

C.G.S. § 16-50-aa 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. § 16-50-aa(c)(1).)

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

- **Technical Feasibility.** The monopole is structurally capable of supporting Nextel's antennas and associated tower mounted hardware. The proposed-shared use of the pole is therefore technically feasible.
- **Legal Feasibility.** Under C.G.S. § 16-50-aa, the Council has been authorized to issue an order approving the proposed-shared use of an existing tower facility. (C.G.S. § 16-50-aa(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" on ruling of requests for the shared use of existing tower facilities. Under the authority vested in the Council by C.G.S. § 16-50-aa, an order by the Council approving the shared use would permit the Nextel to obtain a building permit for the proposed installation.
- **Environmental Feasibility.** The proposed shared use of the tower would have a minimal environmental effect, for the following reasons:
 1. The installation of Nextel's antennas would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics in the area. No equipment shelter would be required, since Nextel plans to install its associated radio equipment within the confines of the existing building located at the base of the tower.
 2. The installation would not increase the noise levels at the existing facility by six decibels or more.
 3. The addition of Nextel's antennas would not exceed the total radio frequency electromagnetic radiation power density level standard adopted by the State of Connecticut and the Federal Government. As such, The facility will operate in compliance with the Telecommunications act of 1996.
 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 from start-to-finish), the installation would not generate any traffic other than from periodic maintenance visits by a service technician. The proposed use of the facility would therefore have a minimal environment effect, and is environmentally feasible.
- **Economic Feasibility.** Nextel has entered into an agreement with the site owner to share use of the tower on mutually agreed to terms. The proposed tower sharing is therefore economically feasible.
- **Public Safety Concerns.** As stated previously, the tower is structurally capable of supporting the proposed antennas and the combined radio emissions fall well below

State/Federal Standards. Nextel is not aware of any other public safety issue(s) relative to the proposed sharing of this facility.

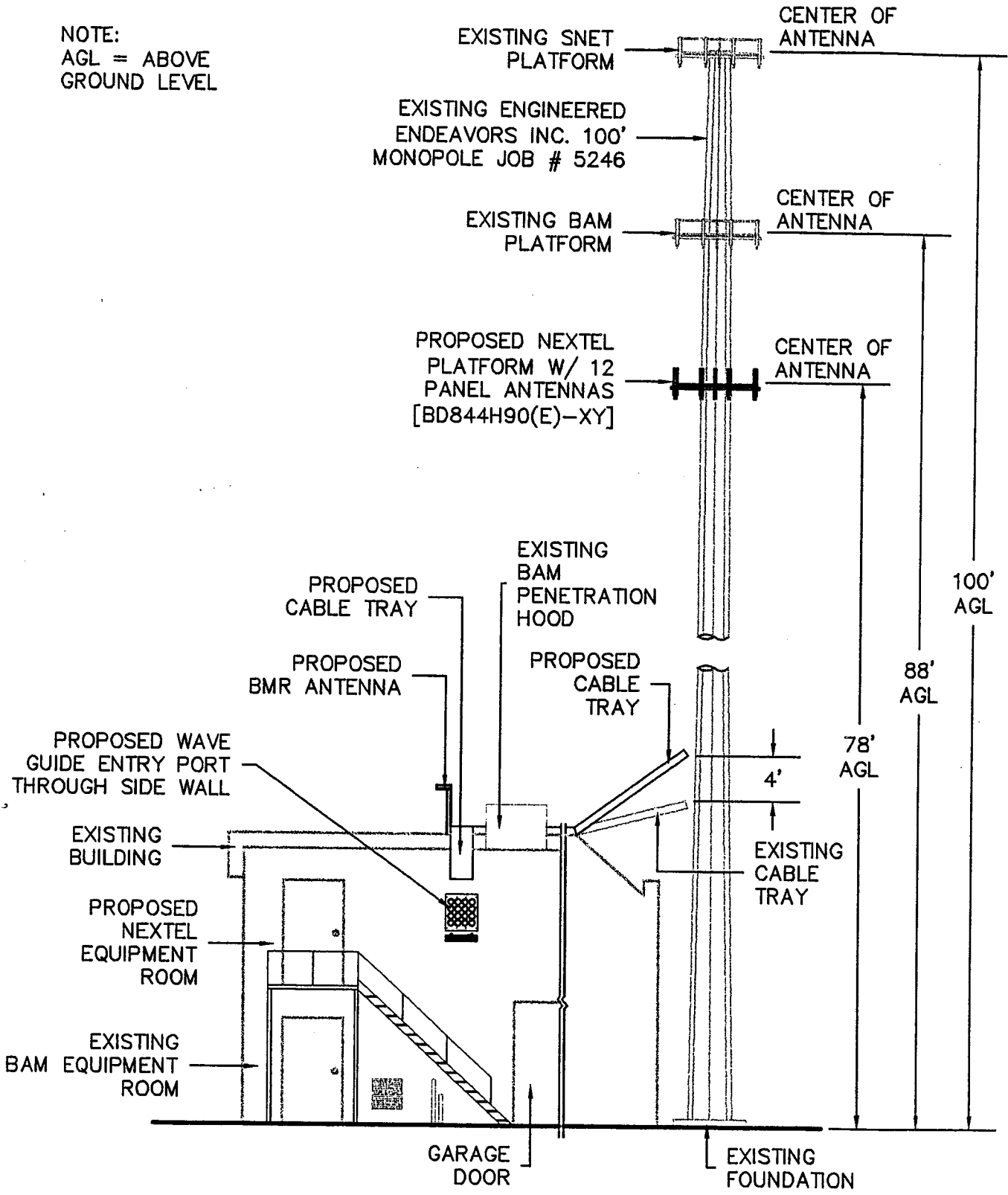
In reality, the provision of additional wireless system coverage can be expected to enhance the safety and security local residents, as well as for those traveling through the area. The simple fact that *more than one-half million* wireless 911 calls were made in Connecticut during 1998 alone, clearly illustrates the positive impact wireless communications has on public safety in the State. The safety related benefits of wireless service are further illustrated by the decision of many local law enforcement authorities here, and in other parts of the country, to supply mobile phones to local resident groups, civic organizations, etc. to improve public safety by enhancing/expanding emergency communications reporting capabilities. The proposed-shared use of this facility would likewise improve public safety and security in the Danbury area.

CONCLUSION

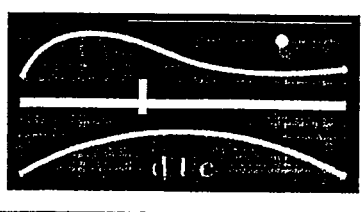
For the reasons discussed above, the proposed shared use of this existing tower facility satisfies the criteria stated in C.G.S. § 16-50-aa, and advances the Connecticut General Assembly's and the Siting Council's objective of minimizing the proliferation of towers in the State. Nextel therefore respectfully requests the Siting Council to issue an order approving the shared use of this facility.

ATTACHMENT A

NOTE:
AGL = ABOVE
GROUND LEVEL



WESTERN TOWER ELEVATION
SCALE: NTS



NEXTEL COMMUNICATIONS SITE #CT-1053
LEASE EXHIBIT
DANBURY
50 NEWTOWN ROAD
DANBURY, CT.

DWG. FILE: CT-1053-LE1
DRAWN BY: GWA
SCALE: AS NOTED

DTC No.: 99-403-180
DATE: 05-03-00
SHEET 2 OF 2

ATTACHMENT B

Danbury, CT (50 Newtown Rd.) - CT Siting Council Power Density Calculations				
SCLP Cellular - 880 MHz at centerline 100' AGL - Existing				
Verizon Wireless (BAM) - 880 MHz at centerline 88' AGL - Existing				
Nextel Directional Antennas ESMR - 851 MHz at centerline 78' AGL - Proposed				
				Note: Power densities are in mW/ cm ²
Transmitters:	Frequency in MHz	CT Standard mW/ cm²	Power density calculated at base of tower	% of CT Standard
Springwich Cellular (SNET) @ 100' AGL - Existing	880	0.58667	0.068286	11.640%
Verizon (BAM) @ 88' AGL - Existing	875	0.58333	0.088179236	15.116%
Nextel Digital ESMR - Proposed	851	0.56733	0.05316568	9.371%
Total % of CT Standard				36.127%