



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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

June 23, 1999

Ronald C. Clark  
Manager, Real Estate Operations  
Nextel Communications  
100 Corporate Place  
Rocky Hill, CT 06067

RE: TS-NEXTEL-155-990527 – Nextel Communications request for an order to approve tower sharing at an existing telecommunications facility located at 1030 New Britain Avenue in West Hartford, Connecticut.

Dear Mr. Clark:

At a public meeting held June 16, 1999, 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 May 27, 1999. Please notify the Council when all work is complete.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mortimer A. Gelston".

Mortimer A. Gelston  
Chairman

MAG/RKE/tsg

c: Barry M. Feldman, Town Manager, Town of West Hartford

**POLICE DEPARTMENT**  
COMMUNICATIONS SYSTEMS MANAGER

**RECEIVED**

JUN 14 1999

CONNECTICUT  
SITING COUNCIL

June 14, 1999

Mr. Joel M. Rinebold  
Executive Director  
State of Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

RE: TS-NEXTEL-155-990527

Dear Mr. Rinebold:

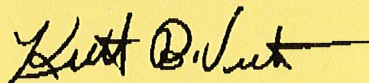
This letter is per our telephone conversation of this date, regarding the tower sharing for NEXTEL Communications at 1030 New Britain Avenue, West Hartford, CT

Although the system is in the 900 MHz band, we will monitor the situation, and if any problems should arise with interference from NEXTEL at this site, we expect immediate correction to the situation by NEXTEL at NO COST to the Town of West Hartford.

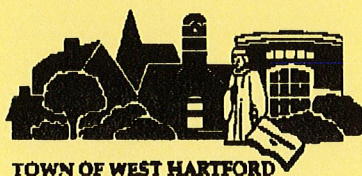
Also we go on notice, that if the interference is not correct, NEXTEL will have to vacate that site.

If you have any questions regarding the above, please feel free to contact me at my office (860)523-2085 or by fax at (860)523-2179.

Respectfully,  
TOWN OF WEST HARTFORD, CT



Keith B. Victor  
Communications Systems Manager



TOWN OF WEST HARTFORD 103 RAYMOND ROAD  
WEST HARTFORD, CONNECTICUT 06107  
(860) 523-5203 FAX (860) 236-0940

Ronald C. Clark  
Manager Real Estate Operations

Nextel Communications  
100 Corporate Place, Rocky Hill, CT 06067  
860 883-2112 FAX 860 513-5444

**NEXTEL**

May 27, 1999

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

RECEIVED

MAY 27 1999

CONNECTICUT  
SITING COUNCIL

Dear Chairman Gelston:

Pursuant to Connecticut General Statutes ("C.G.S.") § 16-50-aa, Nextel Communications, Inc., ("Nextel") respectfully requests to install panel antennas on an existing telecommunications tower located at 1030 New Britain Avenue in West Hartford and place a pre-fabricated equipment shelter at the tower base. The facility is owned by Ten Thirty Tower Company LLC and is currently used by Omnipoint Communications to provide wireless system coverage in the area.

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,

Ronald C. Clark  
Manager Real Estate Operations

CC: Mr. Barry M. Feldman  
West Hartford Town Manager

Mr. Jeffrey A. Hirschfeld  
Ten Thirty Tower Co. LLC

## **TOWER SHARING**

### **1030 NEW BRITAIN AVENUE** **WEST HARTFORD, CONNECTICUT**

#### **BACKGROUND**

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

Nextel proposes to install antennas on an existing 180-foot lattice telecommunications tower and place a pre-fabricated equipment shelter at the tower base. The facility is owned by Ten Thirty Tower Corporation LLC and is located at 1030 New Britain Avenue in West Hartford, Connecticut. The Site is currently used by Omnipoint Communications to provide system coverage in the area.

#### **NEXTEL INSTALLATION**

Nextel proposes to install twelve (12) ALP Model 9212 panel antennas center mounted at the 155-foot level of the 180-foot tower (See Attachment A) and place a 10-foot by 20-foot pre-fabricated shelter at the base of the tower inside the fenced security compound (See Attachment B).

#### **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. A "worst case" calculation for a point at the tower base indicates that Omnipoint's wireless operations result in 0.004152 mw/cm<sup>2</sup>, or 0.4152% of the standard. Nextel's operations will add 0.013463 mw/cm<sup>2</sup> or 2.3731% of the standard. Thus, the "worst case" power density for the combined operations at the site is 2.7883% of the State/Federal standard for an uncontrolled environment.

#### **OTHER RELEVANT INFORMATION**

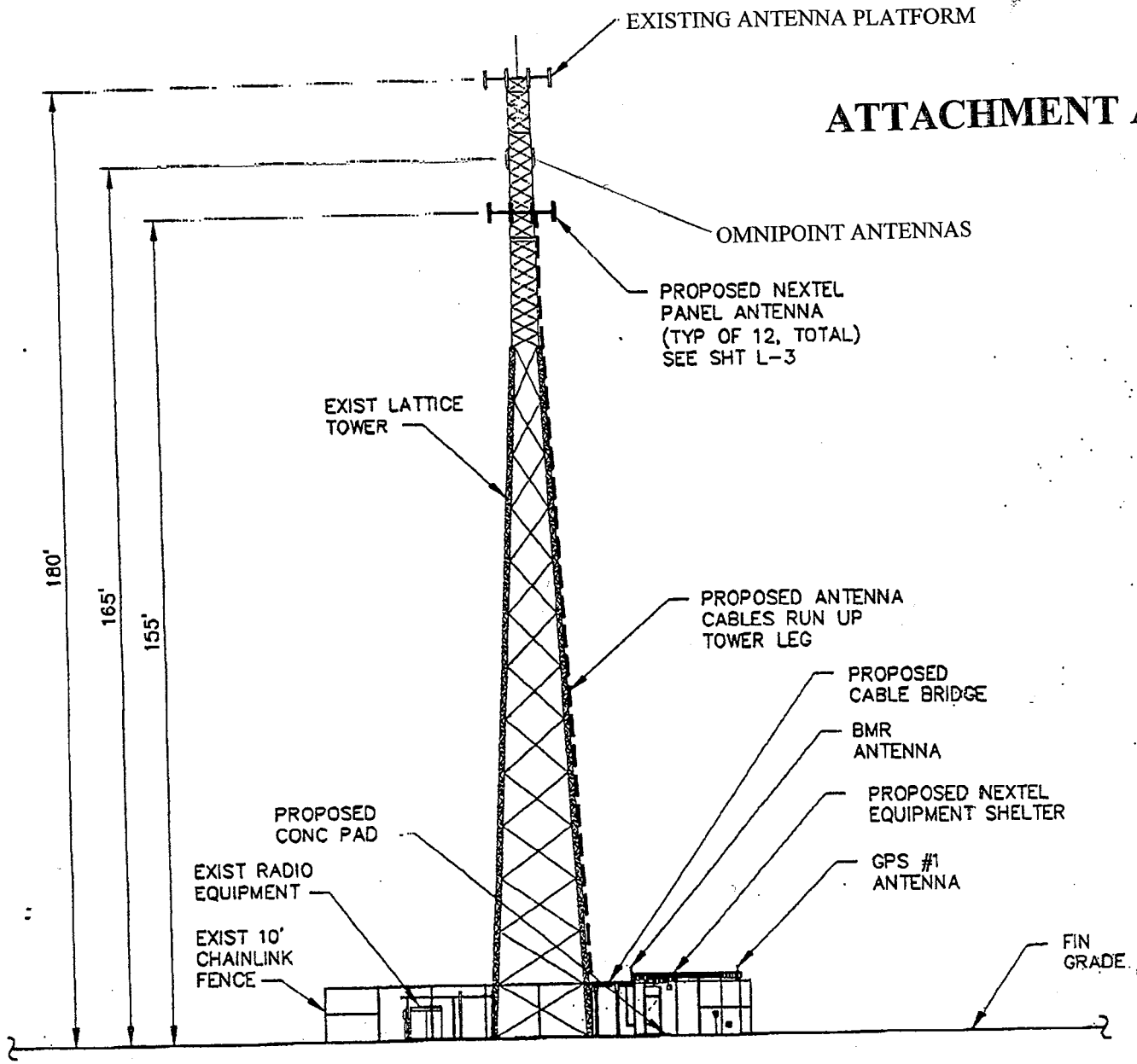
C.G.S. § 16-50-aa provides that, upon written request for approval of a proposed shared use, "if the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue an order approving 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.** Erected in mid-1998, the lattice tower was designed, engineered and constructed to accommodate up to five (5) wireless carriers and is structurally capable of supporting Nextel's antennas. The proposed-shared use of the tower 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 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 in or around the area.
  
  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. The "worst-case" exposure levels have been calculated for ground level and the combined power density levels for all users at the tower base is only 2.7883% of the standard for an uncontrolled environment. As such, the facility would be operated in full and complete compliance with the Federal 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), the installation would not generate any traffic other than periodic maintenance visits. 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. Nextel is not aware of any other public safety issues relative to the proposed sharing of this facility. In reality, the provision of additional wireless system coverage is 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 provide mobile phones to residents to improve public safety by enhancing/expanding emergency communications capabilities. The proposed-shared use of this facility would likewise improve public safety in the West Hartford 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.

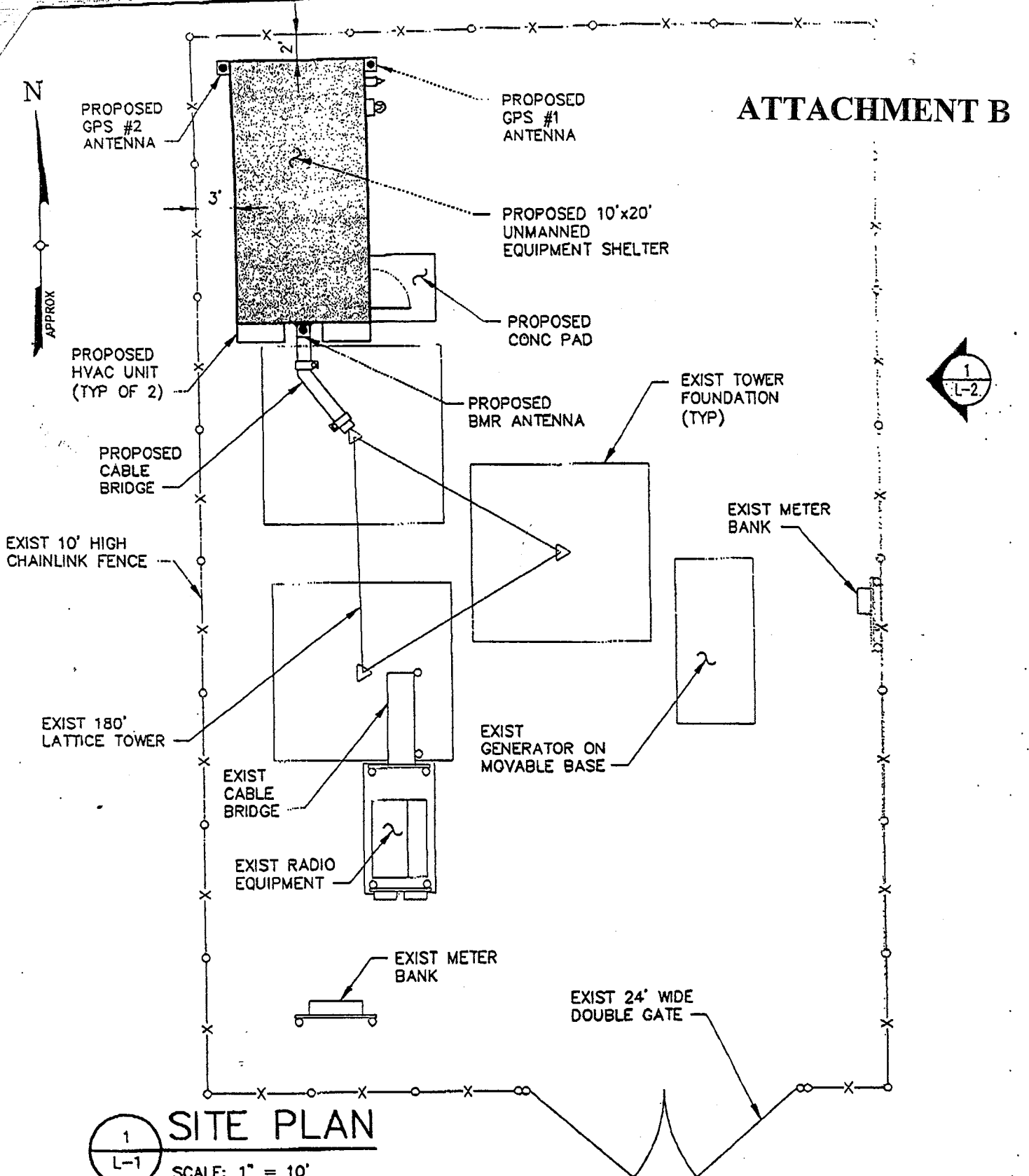
# ATTACHMENT A



1 ELEVATION  
L-2 SCALE: 1" = 30'

OWNER APPROVAL: _____		DATE: _____	
<b>TECTONIC ENGINEERING CONSULTANTS P.C.</b> PO BOX 447, 615 ROUTE 32 HIGHLAND MILLS, NY 10930 (914) 928-8531		<b>NEXTEL</b> <i>KH 2/26/99</i> CT-0764 (WEST HARTFORD SOUTH) 1022-1030 NEW BRITAIN AVENUE WEST HARTFORD, CT 06110	
ISSUED BY: <i>[Signature]</i>	W.O. 1170.C764	2/24/99	LEASE EXHIBIT L-2

# ATTACHMENT B



## SITE PLAN

SCALE: 1" = 10'

OWNER APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

**TECTONIC** ENGINEERING CONSULTANTS P.C.

PO BOX 447, 815 ROUTE 32  
 HIGHLAND MILLS, NY 10930  
 (914) 928-8531

**NEXTEL** KH 2/23/99

CT-0764 (WEST HARTFORD SOUTH)  
 1022-1030 NEW BRITAIN AVENUE  
 WEST HARTFORD, CT 06110