



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

July 18, 2002

Thomas F. Flynn III
Nextel Communications Inc.
100 Corporate Place
Rocky Hill, CT 06067

RE: **EM-NEXTEL-115-020621** - Nextel Communications Inc. notice of intent to modify an existing telecommunications facility located at 54 Waterbury Road, Prospect, Connecticut.

Dear Mr. Flynn:

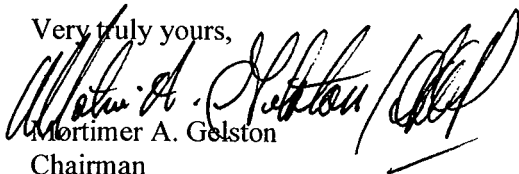
At a public meeting held on July 11, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 18, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. 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 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 of 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.

Thank you for your attention and cooperation.

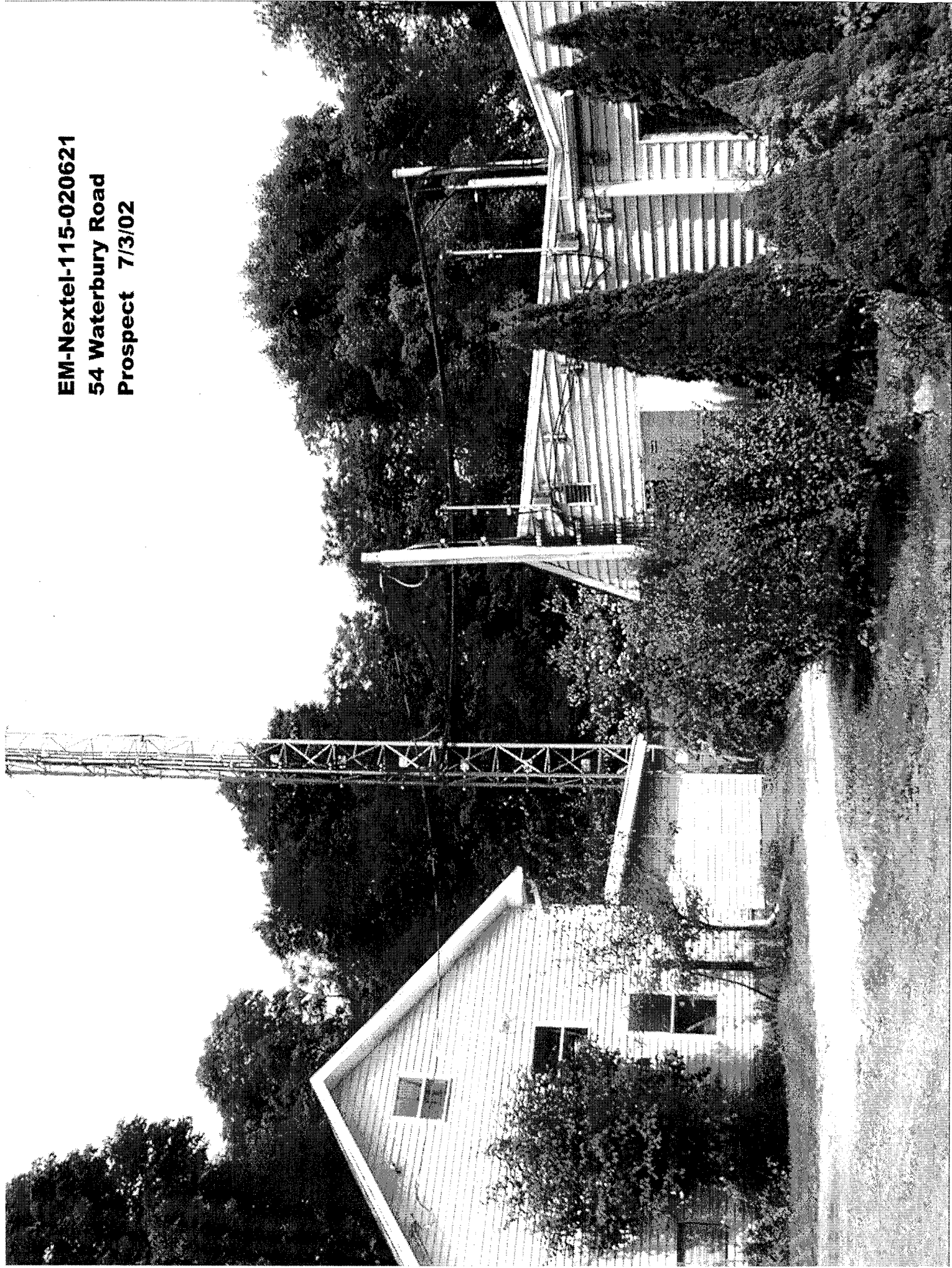
Very truly yours,


Mortimer A. Gelston
Chairman

MAG/DM/laf

c: Honorable Robert J. Chatfield, Mayor, Town of Prospect
William J. Donovan, Zoning Enforcement Officer, Town of Prospect

EM-Nextel-115-020621
54 Waterbury Road
Prospect 7/3/02



EM-Nextel-115-020621
54 Waterbury Road
Prospect 7/3/02





STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@po.state.ct.us

Web Site: www.state.ct.us/csc/index.htm

June 25, 2002

Via Facsimile

Mr. Thomas F. Flynn III
Zoning Coordinator
Nextel Communications
100 Corporate Place
Rocky Hill, CT 06067

RE: **EM-NEXTEL-115-020621** - Nextel Communications Inc. notice of intent to modify an existing telecommunications facility located at 54 Waterbury Road, Prospect, Connecticut.

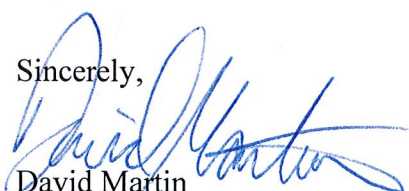
Dear Mr. Flynn:

From the information provided in the above filing, it seems Nextel has existing antennas on this tower. However, no information about these antennas is provided (i.e., number of antennas, location height, power density numbers). It is also unclear whether or not these antennas will be removed once the antennas being proposed in this notice are installed.

Please provide the following information: Does Nextel have existing antennas on this tower? Will these antennas remain after the antennas proposed in this filing are installed on the tower? If any existing antennas remain, what will be their contribution to the radio frequency emissions?

If you have any questions about this request, feel free to call me at the above number. Thank you for your assistance in this matter.

Sincerely,


David Martin
Siting Analyst I

NEXTEL

RECEIVED

JUN 21 2002

CONNECTICUT
SITING COUNCIL

June 18, 2002

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

Dear Chairman Gelston:

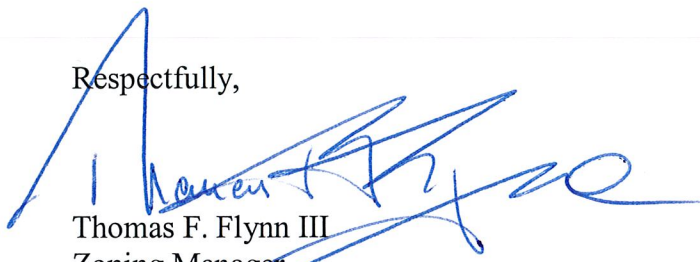
Please find enclosed and respectfully submitted, a request from Nextel Communications Inc. ("Nextel") to Modify an Exempt Tower and Associated Equipment at an existing telecommunications facility located on 54 Waterbury Road, Prospect, Connecticut. This facility is located on property owned by Charles and Avril Bradshaw. The facility is currently operated by Nextel to provide wireless coverage.

Nextel wishes to share use of this facility in order to improve/expand wireless its system coverage and to avoid the possibility of constructing another telecommunications tower in the general area.

The attached information details how the addition of the proposed antennas and associated equipment at the tower site meet the criteria set forth in Section 16-50j-72(b)(2) of the Regulations of Connecticut State Agencies and therefore is an Exempt Modification pursuant to Section 16-50j-73 of the Regulation.

Thank you for your consideration in this matter.

Respectfully,



Thomas F. Flynn III
Zoning Manager
Nextel Communications

Enclosure

Cc: Robert Chatfield, Mayor

**EXEMPT MODIFICATION
54 WATERBURY ROAD
PROSPECT, CT.**

Pursuant to Section 16-50i(a)(5) of the Connecticut General Statutes and Section 16-50j-72(b)(2), as amended, of the Regulations of Connecticut State Agencies, Nextel Communications Inc., (“Nextel”) hereby notifies the Connecticut Siting Council of its intent to modify an existing telecommunications facility located at 54 Waterbury Road in Prospect, Connecticut.

BACKGROUND

This existing facility, located at 54 Waterbury Road in Prospect, Connecticut consists of a 160-foot tall guyed lattice tower that is on property owned by Charles and Avril Bradshaw. The tower is currently used by Nextel to provide wireless service to this section of Prospect, along Route 69 in the business center of Prospect.

Nextel desires to share use of this facility and thus avoid the potential need to construct an additional tower in the general area.

DISCUSSION

Nextel plans to install twelve (12) panel antennas center-lined at the 152-foot level of the tower (see Attachment A) and use the existing equipment shelter inside the southeastern corner of the existing compound (see Attachment B). The tower has been structurally analyzed and found to be fully capable of supporting Nextel’s antennas and its tower mounted hardware (Attachment C).

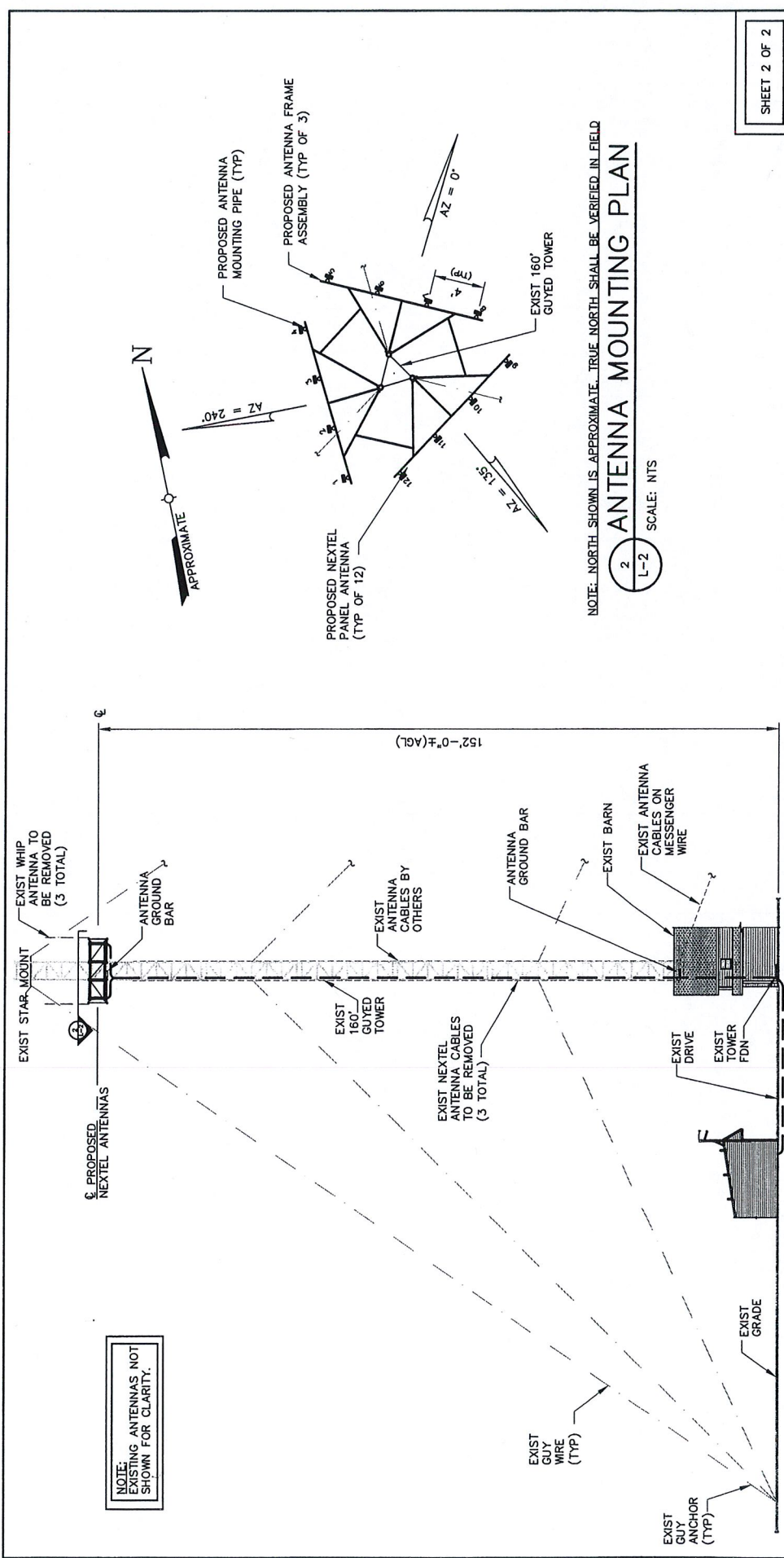
POWER DENSITY INFORMATION

The operation of Nextel’s antennas will not increase the total radio frequency electromagnetic power density level to a level at (or even near) existing State and Federal Standards. “Worst case” calculations, measured to a point at the base of the tower, show the combined power levels for the existing and proposed Nextel antennas reach just 38.12 % of the State/Federal standard in an uncontrolled access environment. (See Attachment D).

CONCLUSION

The proposed additions do not constitute a “modification” of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and are consistent with the exception criteria found in Section 16-50j-72(b)(2) of the Regulations of Connecticut State Agencies in that the addition of Nextel’s antennas and equipment will not increase the existing tower height or extend the boundaries of the site; will not increase noise levels by six (6) decibels or more at the site’s boundaries; and will not increase the total radio frequency electromagnetic radiation above the Standard set forth in Section 22(a)–162 of the Connecticut General Statutes. In summary, this proposed addition would not have a substantial adverse environmental effect.

For the reasons discussed above, Nextel respectfully requests that the Council acknowledge that this Notice of Modification meets the Council’s exemption criteria, and permit Nextel to share use of this facility.



NOTE:
EXISTING ANTENNAS NOT
SHOWN FOR CLARITY.

NOTE: NORTH SHOWN IS APPROXIMATE. TRUE NORTH SHALL BE VERIFIED IN FIELD.

2
L-2
ANTENNA MOUNTING PLAN
SCALE: NTS

SHEET 2 OF 2

OWNER APPROVAL:		DATE:	
TECTONIC/KEYES ASSOCIATES 1344 SILAS DEANE HIGHWAY, SUITE 500 ROCKY HILL, CT 06067 (860) 563-2341 FAX(860) 257-4882		NEXTEL PROSPECT (CT-0946) 54 WATERBURY ROAD PROSPECT, CT	
ISSUED BY:		LEASE EXHIBIT	
W.O. 3276.0946		L-2	
NO.	DATE	ISSUE	FOR COMMENT
0	12/11/01		

1
L-2
TOWER ELEVATION
SCALE: 1" = 20'



TECTONIC / KEYES ASSOCIATES

Division of TECTONIC Engineering Consultants P.C.

CORPORATE OFFICE:
Mountainville, NY

(800)-829-6531

1344 Silas Deane Highway, Suite 500
Rocky Hill, Connecticut 06067

(860) 563-2341

Fax: (860) 257-4882

www.tectonicengineering.com

Mr. Dick Peaston
Nextel Communications
100 Corporate Place
Rocky Hill, CT 06067

March 18, 2002

RE: W.O. 3276.0946
PROSPECT (CT-0946)
EXISTING GUYED TOWER
54 WATERBURY ROAD, PROSPECT, CT
STRUCTURAL CAPACITY

Dear Mr. Peaston:

Nextel Communications proposes to mount its antennas on an existing guyed tower at the above referenced site. At the request of Nextel, Tectonic Engineering has performed a structural analysis of the existing tower to evaluate its capacity to support the proposed antennas.

The analysis was performed in accordance with the 1999 Connecticut supplement to the BOCA National Building Code and the national standard ANSI/TIA/EIA-222-F-1996 "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures."

The results of this analysis indicate that the existing tower has sufficient capacity to support the proposed Nextel antenna installation. No significant changes to the existing structure are necessary.

The structure therefore has sufficient capacity to support the proposed Nextel installation in accordance with all applicable codes.

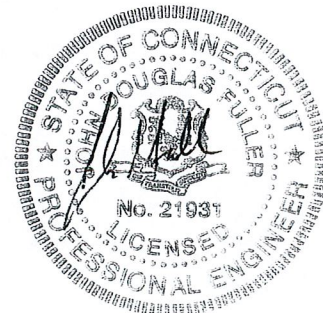
The details of our analysis of this tower are presented in our structural analysis report dated March 28, 2001.

Please contact this office if you require any further information.

Sincerely,
TECTONIC ENGINEERING CONSULTANTS, P.C.


John D. Fuller, P.E.
Telecommunications Manager

Cc: File



ENGINEERS • SURVEYORS • CONSTRUCTION MANAGERS



— ATTACHMENT C —

Prospect, CT (Waterbury Rd.) - CT Siting Council Power Density Calculations

Nextel Directional Antennas ESMR - 851 MHz at centerline 152' AGL

Transmitters:	Frequency in MHz	CT Standard mW/ cm ²	Number of Channels	ERP (W) per channel	Centerline of Tx antennas AGL (ft.)	Power density calculated at base of tower	% of CT Standard
F&S Oil Co. *** from prior filing	451	0.3007	*	*	160	0.0031	1.01%
New Haven Transit *** from prior filing	451	0.3007	*	*	160	0.0031	1.01%
US Post Office *** from prior filing	415	0.2767	*	*	160	0.0031	1.10%
Central Comm. *** from prior filing	452	0.3013	*	*	160	0.0031	2.02%
Nextel Digital ESMR - Proposed	851	0.5673	9	100	152	0.014000173	2.47%
Cingular	880	0.5867	16	100	120	0.039933333	6.8068%
	880	0.5867	2	296	120	0.014775333	2.5185%
	1930	1.0000	2	427	120	0.021314417	2.1314%
CT Motor Club *** from prior filing	150.92	0.2000	*	*	50	0.0381	19.0600%
Total % of CT Standard							38.12%

Note: Power densities are in mW/ cm²