



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

December 23, 1999

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

RE: EM-NEXTEL-153-991210 - Nextel Communications notice of intent to modify an existing telecommunications tower located off the Buckingham Street Extension in Watertown, Connecticut.

Dear Mr. Clark:

At a public meeting held on December 20, 1999, the Connecticut Siting Council (Council) ruled that the proposed use of this existing non-facility tower would not cause a significant change or alteration in the physical and environmental characteristics of the site, and pursuant to Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies would constitute a regulatory exemption.

The proposed modifications are to be implemented as specified here, in your notice dated December 10, 1999, and in additional information dated December 15, 1999. The modifications are in compliance with the exception criteria in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies for changes to an existing non-facility tower that have received all municipal zoning approvals and building permits and that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequency 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 tower has 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. Any additional change to this tower will require an explicit request to this agency pursuant to General Statutes § 60-50aa 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 of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 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/SLL/sll
cc: Honorable Rosalie G. Loughran, Chairman, Town Council, Town of Watertown

Ronald C. Clark
Manager Real Estate Operations

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

NEXTEL

December 10, 1999

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

RECEIVED

DEC 10 1999

CONNECTICUT
SITING COUNCIL

Dear Chairman Gelston:

Enclosed please find an original and twenty copies of a request from Nextel Communications Inc. ("Nextel") to Modify an Exempt Tower and Associated Equipment at an existing telecommunications facility located off the Buckingham Street Extension, in Watertown, Connecticut. This facility is owned and operated by the Town of Watertown and is currently used by the municipality, private companies, and AT&T Wireless to provide coverage to the area. On August 30, 1994, the Council approved a Notice of Intent from the Litchfield Acquisition Corporation to Modify this tower. The cellular license that had been held by the Litchfield Acquisition Corporation is now held by AT&T Wireless.

Nextel desires to make shared use of this facility to provide wireless system coverage to this portion of Watertown, rather than have the need to possibly construct a new communications tower in the general area.

The enclosed notice and attached materials detail how the addition of Nextel's antennas and associated equipment at the tower site meet all of 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,

Ronald C. Clark
Manager Real Estate Operations

Enclosure

cc: Charles O'Connor, Town Manager

BUCKINGHAM STREET EXTENSION
WATERTOWN, CONNECTICUT

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”) notifies the Connecticut Siting Council of its intent to modify an existing telecommunications facility located on the Buckingham Street Extension, Watertown, Connecticut. The facility is owned by the Town of Watertown.

BACKGROUND

The Buckingham Street Extension facility consists of a 118-foot water tank that is shared by the Town, private companies, and AT&T Wireless.

DISCUSSION

Nextel plans to install twelve (12) panel antennas on the water tank railing with the centerline of the antennas at the 96-foot level of the 118-foot tower. Two (2) GPS receive-only antennas will also be installed also on the railing (see Attachment A). The tower railing is structurally capable of supporting these antennas and associated antenna equipment.

Nextel will install its associated radio equipment in a 10-foot by 20-foot equipment shelter. This shelter will be placed at the base of the facility, completely within the existing fenced compound.

POWER DENSITY INFORMATION

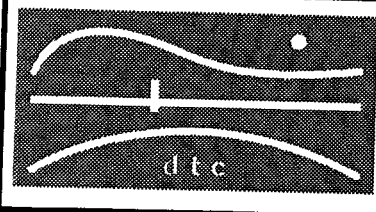
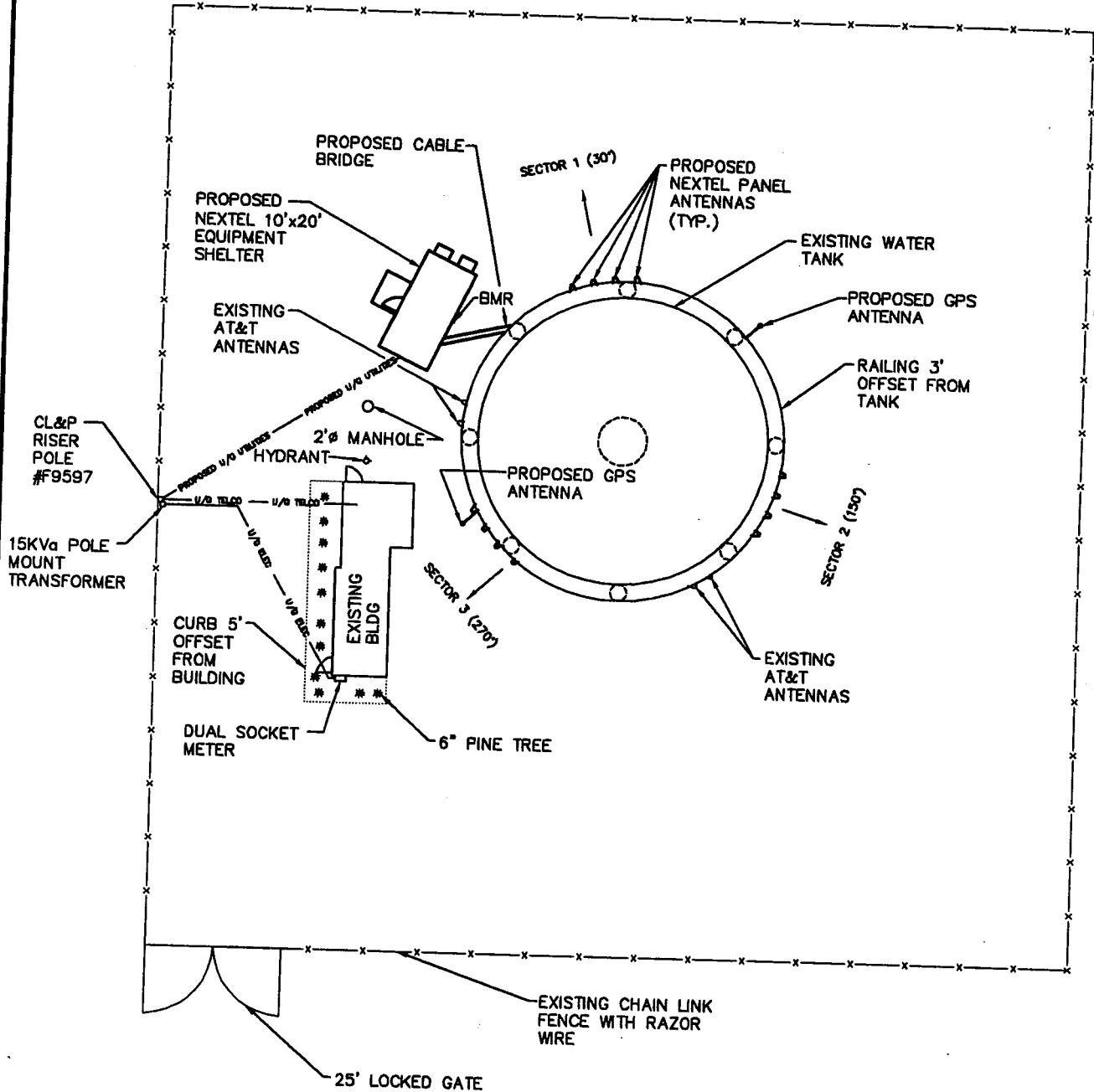
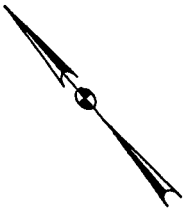
Based upon the August 12, 1994 filing to the Council, the “worst case” power density level has been calculated to be less than 10% of the State/Federal Standard for mixed frequency sites. The addition of Nextel’s antennas will, using “worst case” calculations, add 0.0337 mW/cm², or 5.94% of the standard applicable to Nextel’s frequencies (0.56733 mW/cm²) and bring the total combined power density level to approximately 16% of the State/Federal Standard.

CONCLUSION

The proposed addition does not constitute a “modification” of an existing facility as defined in Connecticut General Statutes Section 16-50I(d). The addition of Nextel’s equipment will not result in an increase in the tower’s height or extend the boundaries of the site. Further, there will be no increase in noise levels by six (6) decibels or more at the site’s boundaries and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22 (a) – 162 of the Connecticut General Statutes. In summary, this addition will not have a substantially 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.

ATTACHMENT A



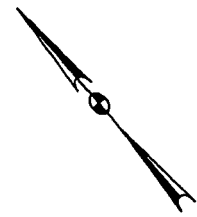
DIVERSIFIED TECHNOLOGY CONSULTANTS
 1800 WASHINGTON AVENUE SUITE 1500 WASHINGTON DC 20047
 202 234-4200 202 234-7878 FAX



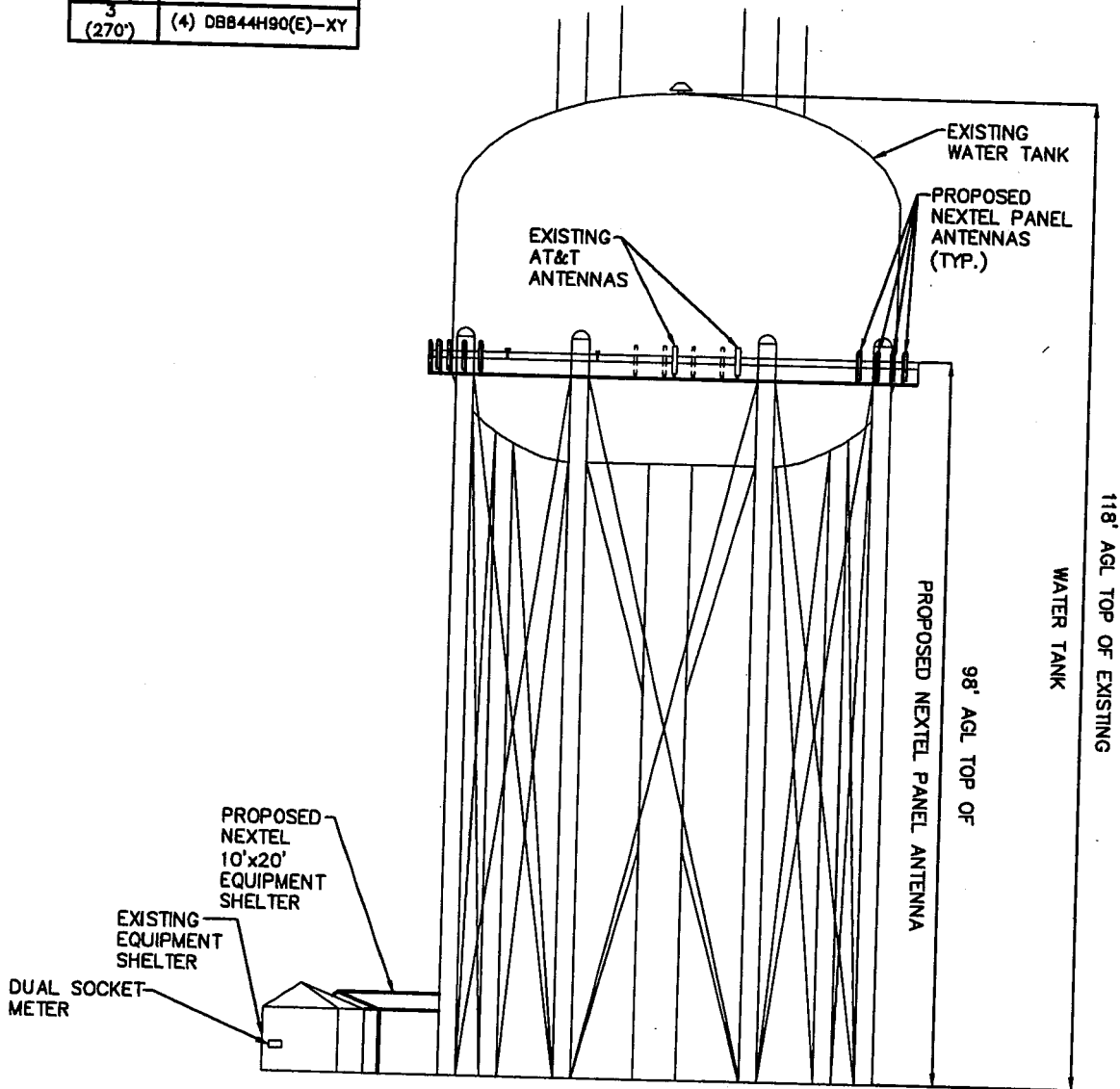
NEXTEL COMMUNICATIONS SITE #CT-1134
WATERTOWN EAST
BUCKINGHAM ST. EXTENSION
WATERTOWN, CT

DWG. FILE: SITE PLAN
 DRAWN: DEB
 SCALE: N.T.S.

DTC No.: 98-403-490
 DATE: 7-8-99
 SHEET 1 OF 2

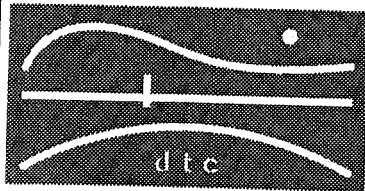


SECTOR (AZIMUTH)	ANTENNA TYPE
1 (30°)	(4) DB844H90(E)-XY
2 (150°)	(4) DB844H90(E)-XY
3 (270°)	(4) DB844H90(E)-XY



NOTES:
1. AGL = ABOVE GROUND LEVEL

NORTH ELEVATION



DIVERSIFIED TECHNOLOGY CONSULTANTS
1000 WASHINGTON STREET AVENUE AND 1000 WASHINGTON STREET
200 790-4000 200 204-7878 FAX



500 Corporate Plaza
Rochester, NY 14607
(800) 253-0400

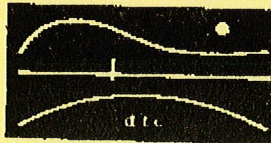
NEXTEL COMMUNICATIONS SITE #CT-1134

**WATERTOWN EAST
BUCKINGHAM ST. EXTENSION
WATERTOWN, CT**

DWG. FILE: NORTH ELEVATION
DRAWN: DEB
SCALE: N.T.S.

DTC No.: 98-403-490
DATE: 7-9-99
SHEET 2 OF 2

ENGINEERED
SOLUTIONS



LAND
STRUCTURES
WATER

FAX SHEET

12/15/99

DATE / TIME

Steve Levine ✓

ATTENTION

Siting Council 1

COMPANY

860 827 2950

FAX NUMBER

Steve Howard

COPY TO

Nextel

COMPANY

860 518 5444

FAX NUMBER

Scott M. Chasse

SENDER

203 234 7376

FAX NUMBER

Nextel Watertown Watertank Application

PROJECT NAME

98 403 490

PROJECT NUMBER

1

NUMBER OF PAGES FOLLOWING

INFORMATION SENT

Steve,

Attached herewith is the structural analysis associated with Nextel's above referenced collocation (Site # CT1134).

RECEIVED

DEC 16 1999

CONNECTICUT
SITING COUNCIL

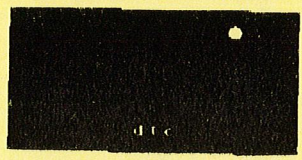
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DIVERSIFIED TECHNOLOGY CONSULTANTS

556 WASHINGTON AVENUE NORTH HAVEN CT 06473 203 234 4200 203 234 7376 FAX

ENGINEERED
SOLUTIONS



LAND
STRUCTURES
WATER

December 15, 1999

Mr. Ron Clark
Nextel Communications Inc.
100 Corporate Place
Rocky Hill, CT 06067

RE: Addition of Nextel Antennas and
Appurtenances to the Watertown Water Tower
Nextel Site No. CP1134
DTC Project No. 98-403-490

Dear Mr. Clark:

The support of the antennas and appurtenances for the above referenced project has been designed in accordance with the forces prescribed in the TIA/EIA-22-F Code and Connecticut State Building Code. The railing system with the minor reinforcements necessary for attaching Nextel's antennas and appurtenances will be capable of withstanding the additional loads as defined in the above referenced codes.

If you require anything further or have questions regarding this matter, please contact me at 203-239-4200, x129.

Sincerely,

DIVERSIFIED TECHNOLOGY CONSULTANTS

Michael J. Mezzochi, III
Michael J. Mezzochi, III, P.E.
Project Manager

RECEIVED

DEC 16 1999

CONNECTICUT
SITING COUNCIL

Scott M. Chassé
Scott M. Chassé, P.E.
Telecommunications Manager
CT License #00019728

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