

Ronald C. Clark
Manager Real Estate Operations

TS - Nextel - 004 - 990818
Nextel Communications
100 Corporate Place, Rocky Hill, CT 06067
860 883-2112 FAX 860 513-5444

NEXTEL[®]

RECEIVED

September 14, 1999

SEP 14 1999

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

CONNECTICUT
SITING COUNCIL

Dear Mr. Gelston:

At the meeting of the Connecticut Siting Council on August 31, 1999, agenda item 16 (TS-NEXTEL-007-990818), was tabled because of several questions regarding the existence of "unused" antennas on the tower, including ones owned by Channel 18, the quantity of antennas installed on the tower and documentation that the tower could safely support Nextel's antennas. With these questions in mind, Nextel respectfully submits the following information:

1. According to the site owner, Pinnacle Towers, Inc., of Sarasota Florida, all equipment currently mounted on the tower is operational and is owned by parties holding valid Leases allowing them use of the site. The antennas and radio equipment for WHCT, Channel 18 are owned by Astroline Communications Company LLP, which holds the FCC License (FCC License number: ICBLCT870304KI) for the station. At the present time the WHCT is being carried by Americast, SNET's cable television affiliate.
2. There are a total of seventeen (17) antennas presently installed on this existing 560-foot tall-guyed lattice tower. Thirteen (13) are transmit antennas, four (4) are receive-only. The attached photograph, taken on September 13, 1999, depicts the tower as it looks today.
3. The attached Letter from Mr. Michael DeBoer, P. E., summarizes the findings contained in a comprehensive Structural Analysis that was performed in June of 1999. The letter documents that the existing structure is capable of supporting Nextel's tower-mounted equipment and the proposed installation will comply with EIA-222-F Standards.

I hope this information adequately addresses and answers the Council's questions and concerns regarding the shared use of this facility.

Thank you for your consideration.

Sincerely,



Ronald C. Clark
Manager Real Estate Operations

Attachments (2)



Pinnacle Towers Inc.



August 6, 1999

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

Dear Mr. Clark:

Please be advised that in June of 1999, we performed a Structural Analysis on the telecommunications tower located at 376 Deercliff Road in Avon, Connecticut, to determine if the tower was capable of supporting Nextel's proposed antennas. The tower is owned by Pinnacle Towers, Inc.

In summary, the Analysis revealed the tower itself is structurally capable of supporting the eight (8) Nextel antennas (Allgon Model 7120.16) and associated tower-mounted equipment. This tower installation would comply with EIA-222-F Standards.

If you have any questions, please let me know.

Sincerely,

Michael T. DeBoer, P.E.



Ronald C. Clark
Manager Real Estate Operations

TS-Nextel-004-990818

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

NEXTEL

August 12, 1999

RECEIVED

AUG 18 1999

CONNECTICUT
SITING COUNCIL

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

Dear Chairman Gelston:

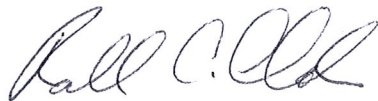
Pursuant to Connecticut General Statutes ("C.G.S.") § 16-50-aa, Nextel Communications, Inc., ("Nextel") respectfully requests Siting Council approval to install antennas on an existing telecommunications tower located at 376 Deercliff Road in Avon, Connecticut and place a pre-fabricated equipment shelter at the tower base. The facility is owned by Pinnacle Towers, Inc. and is currently shared by a variety of telecommunications service providers.

Nextel seeks to share use of this existing facility, rather than have the need to possibly construct another telecommunications tower in the general 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 use of this facility by Nextel.

Thank you for your consideration.

Sincerely,



Ronald C. Clark
Manager Real Estate Operations

Enclosure

CC: Mr. Phillip K. Schenck, Town Manager
Town of Avon

TOWER SHARING
376 DEERCLIFF ROAD
AVON, CONNECTICUT

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 Town of Avon.

Nextel proposes to install antennas on an existing 560-foot tall, guyed lattice telecommunications tower and place a pre-fabricated equipment shelter at the tower base. The facility is owned by Pinnacle Towers, Inc. and is located at 376 Deercliff Road in Avon, Connecticut. Several telecommunications service providers currently share use this site.

Sharing use of this facility would allow Nextel to provide wireless system coverage to the Avon area without having the need to possibly construct an additional tower in the general area.

NEXTEL INSTALLATION

Nextel proposes to install eight (8) Allgon Model 7120.16 panel antennas center-mounted at the 260-foot level of the 560-foot tower and place a 10-foot by 20-foot pre-fabricated equipment shelter at the base of the tower (see Attachments A and 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 the Federal Standards: Attachment “C” demonstrates a “worst case” calculation for a point at the tower base for the combined power density for all existing antennas.

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 tower is structurally capable of supporting Nextel’s antennas and associated tower-mounted hardware: a Structural Analysis was performed by Mr. Michael T. De Boer, P.E., in June, 1999. The analysis found the tower was structurally acceptable to allow the installation of Nextel’s antennas and the installation would comply with the EIA-222-F, 1996 Standards. The proposed-shared use of the tower is therefore technically feasible.
- **Legal Feasibility.** Under C.G.S. § 16-50-aa, the Siting 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 shared use of this facility as proposed, would have a minimal environmental effect for the following reasons:
 1. The installation would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics in/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 (FCC). As shown in the attached Table (Attachment C), “worst-case” exposure levels have been calculated at ground level for all operating antenna systems. The combined power density levels for all users at the tower base is well below the State/Federal Standard and as such, the facility will operate in full compliance with the Telecommunications Act of 1996.

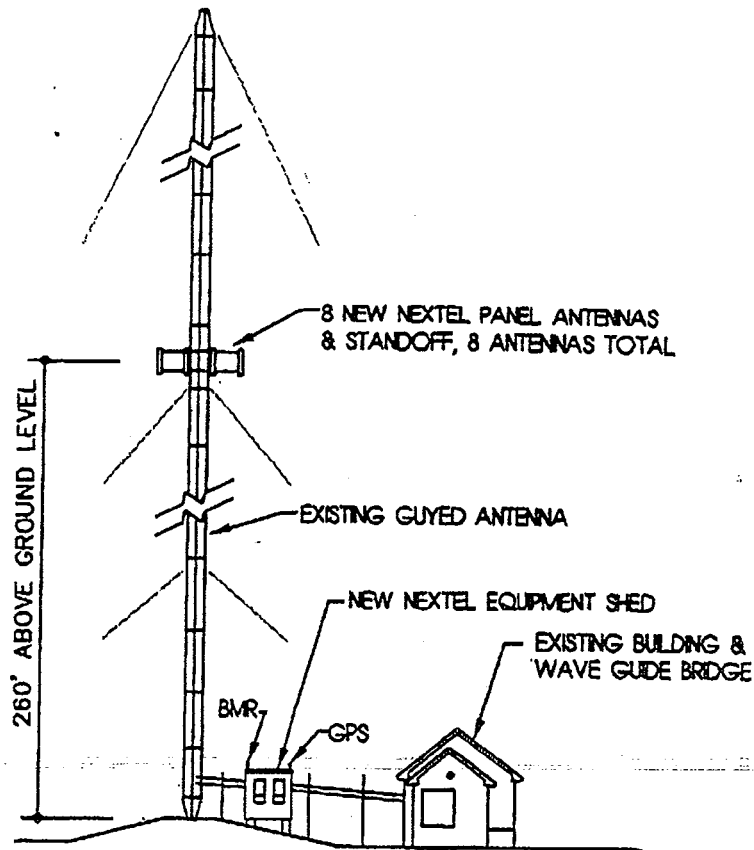
4. The Nextel installation would not require any water or sanitary facilities, nor would it generate air emissions or discharges to water bodies. After construction is completed (approximately four weeks from start-to-finish), the installation of Nextel's equipment would not generate any traffic, other 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 Pinnacle Towers Inc., the site owner, to share use of the facility on mutually agreed upon terms. The proposed tower sharing is therefore economically feasible.
- **Public Safety Concerns.** As stated previously, the tower is structurally capable of supporting Nextel's antennas and the total combined radio frequency 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.

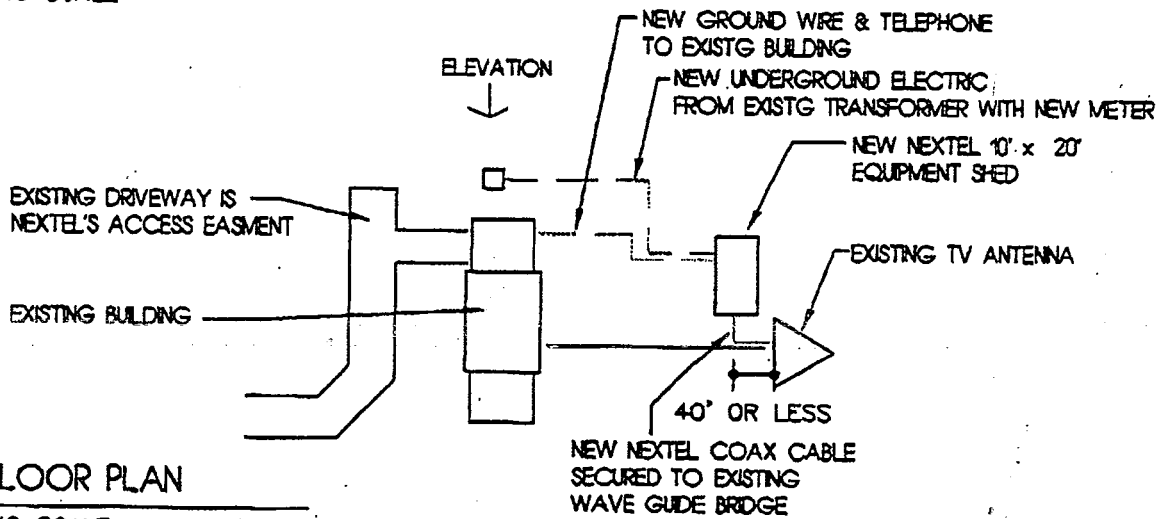
In reality, the provision of additional wireless system coverage is can be expected to enhance the safety and security local residents as well as for those traveling through the area. The simple fact that *more than one-half million* wireless 911 calls were made in Connecticut during 1998 alone, clearly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

CONCLUSION For the reasons discussed, 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 communications towers in the State. Nextel therefore respectfully requests the Connecticut Siting Council to issue an order approving the shared use of this facility.



ELEVATION

NO SCALE



FLOOR PLAN

NO SCALE

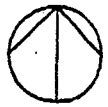
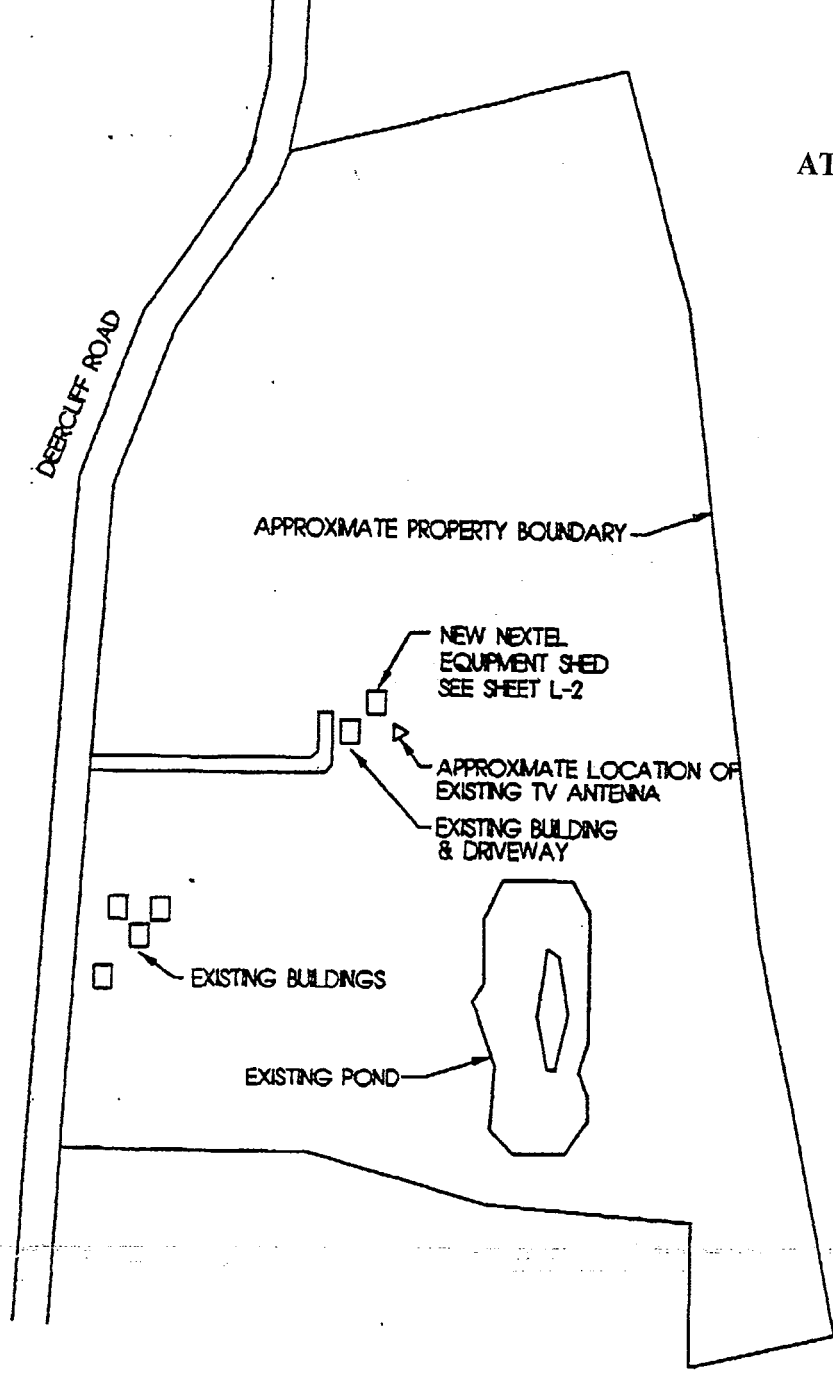
**Herbst • Musciano
Architects/Planners**

NEXTEL OF N.Y., Inc
dba: NEXTEL COMMUNICATIONS
100 CORPORATE PLACE
ROCKY HILL, CT 06067
860-639-6111

NEXTEL CT-0928
SITE LOCATION:
376 DEERCLIFF ROAD
AVON, CT

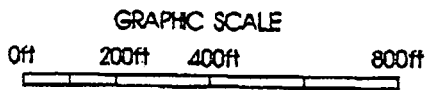
NO.:	DATE:	REVISIONS ▼
1	6-21-99	LEASE EXHIBIT
NO.:	DATE:	SUBMISSIONS ▲

DATE: 6-21-99
PROJECT NO.: 4857
DRAWING NO.: L-2



SITE PLAN

SCALE: 1" = APPROX. 400'



Herbst • Musciano
Architects/Planners

NEXTEL OF N.Y., Inc
dba: NEXTEL COMMUNICATIONS
100 CORPORATE PLACE
ROCKY HILL, CT 06067
860-639-6111

NEXTEL CT-0928
SITE LOCATION:
376 DEERCLIFF ROAD
AVON, CT

NO.:		DATE:	REVISIONS ▼	DATE:
				6-21-99
				PROJECT NO.:
				4857
				DRAWING NO.:
				L-1
1	6-21-99		LEASE EXHIBIT	
NO.:		DATE:	SUBMISSIONS ▲	

ATTACHMENT C

Avon, CT - Co-location on an Existing Tower on Deercliff Rd			Power Density Calculations		
Transmitters:	Frequency in MHz	CT Standard mW/cm ²	Centerline of Tx antennas AGL (ft.)	Power density at base of tower mW/cm ²	% of CT Standard
Arch Communications	929	0.619333333	251	0.01996635	3.2238%
Hartford Data Dispatch	220	0.2	200	0.0112313	5.6156%
Hartford Data Dispatch	221	0.2	200	0.00224625	1.1231%
Marcus Communications	929	0.619333333	514	0.002720707	0.4393%
Marcus Communications	451	0.300666667	514	0.000170044	0.0566%
Pagemart	929	0.619333333	315	0.038031746	6.1408%
PageNet	929	0.619333333	513	0.025264754	4.0793%
Preferred Network Inc.	157	0.2	190	0.016216392	8.1082%
Roamer One	220	0.2	191	0.00098517	0.4926%
Roamer One	221	0.2	191	0.002462926	1.2315%
Nationwide LLC	929	0.619333333	251	0.005704671	0.9211%
WHCTTV Channel 18	470	0.313333333	580	0.134403064	42.8946%
Nextel Digital ESMR - Proposed	851	0.567333333	260	0.004784911	0.8434%
Total % of CT Standard					75.1699%



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JUN - 2 2000

CONNECTICUT SITING COUNCIL

Fax Cover Sheet

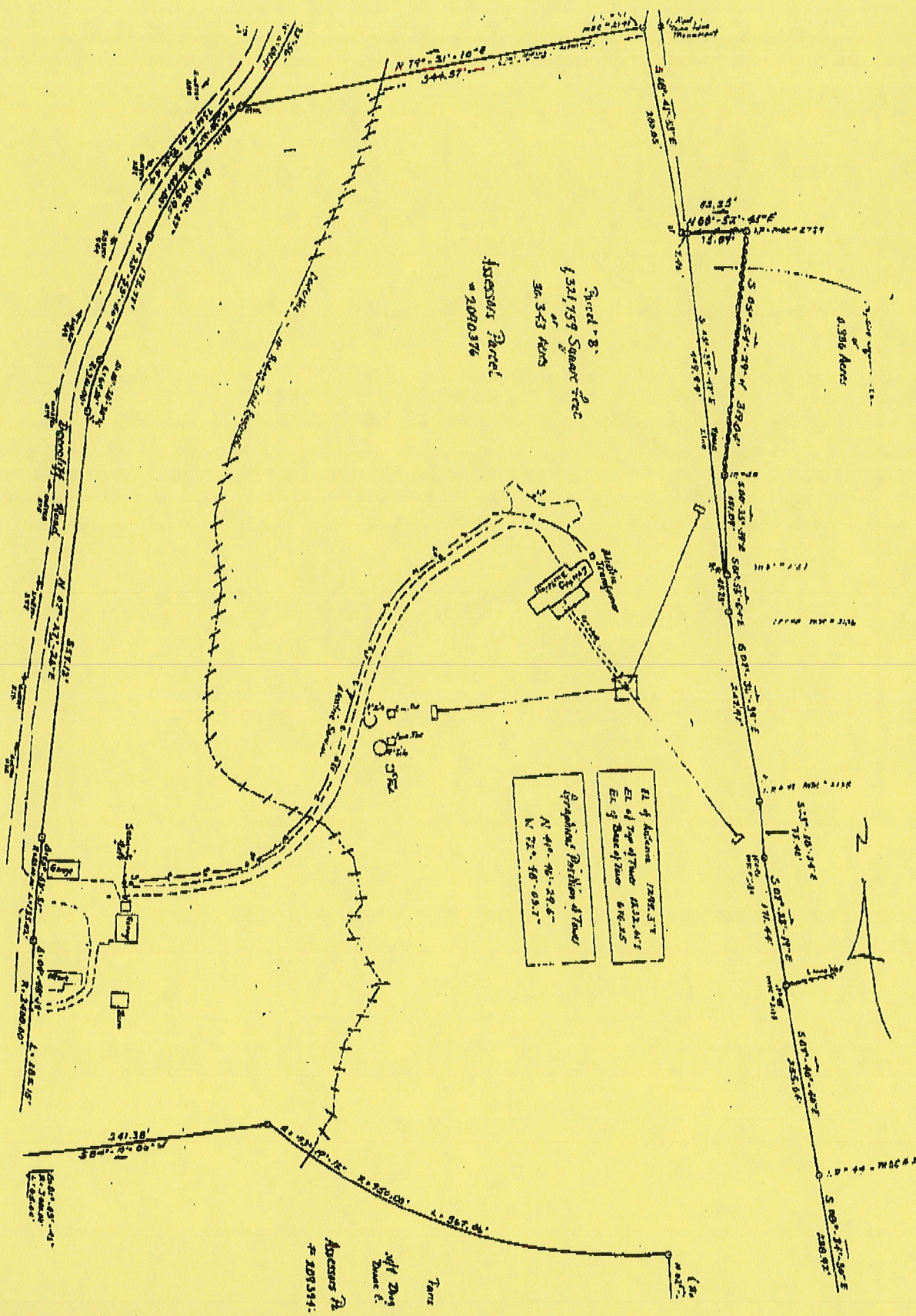
VOICESTREAM WIRELESS
100 Filley Street
Bloomfield, CT 06002
Phone: (860) 692-7100
Fax: (860) 692-7159

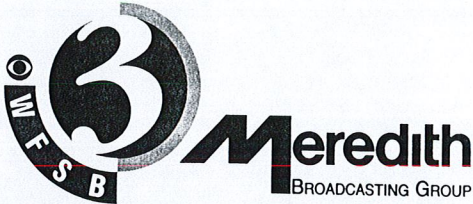
To: <i>Bob Erling</i>	Phone No:
Department: <i>Siting Council</i>	Fax No: <i>(860) 827-2950</i>
From: <i>Brenda Sharkey</i>	Phone No:
	Fax No:
Date: <i>6/2/00</i>	Pages: (Including Cover Sheet)

*Bob -
Hope this is helpful. Please call
if you need more -*

Brenda

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Al Bova
Vice President & Group General Manager
WFSB (CBS), Hartford
WNEM (CBS), Flint/Saginaw
WOFL (FOX), Orlando
WOGX (FOX), Ocala/Gainesville
Vice President & General Manager, WFSB

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NOV 18 1999

**CONNECTICUT
SITING COUNCIL**

November 16, 1999

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

Re: Digital Transmission Tower Status Update

Dear Mr. Gelston:

I am writing you to make you aware that after multiple discussions and meetings regarding a joint transmission tower in Farmington, we are concerned that we have already missed one FCC mandated deadline and find a joint venture elusive. I have another meeting tomorrow with Arnold Chase and NBC, and I will keep you apprised.

In order to continue to serve our current constituency and stay compliant with federally mandated digital broadcast standards, we have applied for a zoning variance to install an additional transmitting tower on our property on Deercliff Road in Avon. The purpose of this letter is to advise you that we may be seeking your assistance as we progress with this application with the Town of Avon.

Thank you for your attention.

Sincerely,

Alfred Bova
VP & Group General Manager

AB/me

cc: Perry Bradshaw
Hope Etheridge



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

August 20, 1999

Philip K. Schenck
Town Manager
Town of Avon
Town Hall
110 Myrtle Ave., P.O. Box 549
Avon, CT 06001

RE: TS-NEXTEL-004-990818 - Nextel Communications request for an order to approve tower sharing at an existing telecommunications facility located at 376 Deercliff Road in Avon, Connecticut.

Dear Mr. Schenck:

The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting tentatively scheduled for Tuesday, August 31, 1999, at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Joel M. Rinebold', written over a horizontal line.

Joel M. Rinebold
Executive Director

JMR/tsg

Enclosure: Notice of Tower Sharing



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

September 21, 1999

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

RE: TS-NEXTEL-004-990818 – Nextel Communications request for an order to approve tower sharing at an existing telecommunications facility located at 376 Deercliff Road in Avon, Connecticut.

Dear Mr. Clark:

At a public meeting held September 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 letters dated August 12, 1999 and September 14, 1999. Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/sll

cc: Honorable Phillip K. Schenck, Town Manager, Town of Avon
Jennifer Young Gaudet, Pinnacle Towers, Inc.
Sam J. D'Agostino, Pagenet, Inc.