



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

June 12, 2000

J. Brendan Sharkey, Esq.
VoiceStream Wireless Corporation
100 Filley Street
Bloomfield, CT 06002

RE: TS-VOICESTREAM-004-000530 - VoiceStream Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 376 Deercliff Road in Avon, Connecticut.

Dear Mr. Sharkey

At a public meeting held June 7, 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 ruling is conditioned on the replacement of overstressed diagonals with new replacements on the existing tower to increase the structural capability of the tower. 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 May 30, 2000.

Thank you for your attention and cooperation.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/RKE/jlh

c: Philip K. Schenck, Jr., Town Manager, Town of Avon
Ronald C. Clark, Nextel Communications
Sam J. D'Agostino, Zoning Specialist, c/o PageNet, Inc.

logged



100 Filley Street, Bloomfield, CT 06002
(860) 692-7154 phone
(860) 692-7159 fax

30 May, 2000

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

RECEIVED

MAY 30 2000
CONNECTICUT
SITING COUNCIL

**Re: Request by VoiceStream Wireless
for an Order to Approve the Shared Use of a Tower Facility
376 Deercliff Road, Avon, Connecticut**

Dear Chairman Gelston and Members of the Council:

Pursuant to Connecticut General Statutes §16-50aa, VoiceStream Wireless ("VoiceStream") hereby requests an order from the Connecticut Siting Council ("Council") to approve the proposed shared use of an existing tower located at 376 Deercliff Road in Avon, Connecticut. The tower is owned and operated by Pinnacle Towers, Inc. ("Pinnacle"). VoiceStream proposes to install antennas on the existing tower located within Pinnacle's leased compound area, and to install related equipment near the base of the tower within the existing compound (see "Exhibit A"). VoiceStream requests that the Council find that the proposed shared use of the tower satisfies the criteria stated in §16-50aa and issue an order approving the proposed use.

Background

VoiceStream is licensed by the Federal Communications Commission (FCC) to provide PCS wireless telecommunications service in the State of Connecticut, which includes the area to be served by the proposed installation.

The Pinnacle tower at 376 Deercliff Road in Avon is a 560-foot guyed lattice tower located on an extensive tower compound. The coordinates for this location are 41-46-30 N and 72-48-04 W. The tower currently holds a number of communications antennas, the most recent having been approved by the Siting Council in September, 1999 for Nextel Communications ("Nextel"). VoiceStream and Pinnacle have agreed to mutually acceptable terms and conditions for the proposed shared use of this tower, and Pinnacle has authorized VoiceStream to act on its behalf to apply for all necessary local, state and federal permits, approvals, and authorizations which may be required for the proposed shared use of this facility.

As shown on the site plan drawings and tower elevations attached as Exhibit A, VoiceStream proposes to install a total of four (4) antennas on a platform with centerlines at the 250-foot level. The antennas are EMS Dual-Pol Model RR90-17-02DP. The radio transmission equipment associated with these antennas, a Nortel S8000 cabinet, would be mounted on a concrete slab near the base of the monopole.

C.G.S. §16-50aa (c) (1) 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." The shared use of the tower satisfies those criteria as follows:

A. Technical Feasibility - The existing tower was designed to accommodate multiple carriers. As the structural analysis attached as Exhibit C indicates, with minor reinforcements the tower is structurally sound and capable of supporting the proposed antennas. The proposed shared use of this tower therefore is technically feasible.

B. Legal Feasibility - Under C.G.S. § 16-50aa, the Council has been authorized to issue orders approving the proposed shared use of an existing tower facility such as the facility on Deercliff Road in Avon. (Public Acts 93-268, Section 2; and 94-242, Section 6 (c)). 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) vests exclusive jurisdiction over these facilities in the Council, which shall "give such consideration to other state laws and municipal regulations as it shall deem appropriate" in ruling on requests for the shared use of existing towers facilities. Under this statutory authority vested in the Council, an order by the Council approving the shared use would permit the applicant to obtain a building permit for the proposed installations.

C. Environmental Feasibility - The proposed shared use would have a minimal environmental effect, for the following reasons:

1. The proposed installations would have an insignificant incremental visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing site. In particular, the proposed installations would not increase the height of the existing tower, and would not extend the boundaries of the existing Pinnacle compound area.
2. The proposed installations would not increase the noise levels at the existing facility by six decibels or more.
3. Operation of antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the American National Standards Institute ("ANSI"). The "worst-case" exposure calculated for operation of this facility (i.e., calculated at the base of the tower, which represents the closest publicly accessible point within the broadcast field of the antennas), with the recently-approved Nextel antennas, is currently 75.1699% of the ANSI standard. VoiceStream's proposed installation will add 0.009087 mW/cm², or 0.9087% of the ANSI standard, for a total of 75.1790% of the ANSI standard. These calculations are attached as Exhibit D.

376 Deercliff Road, Avon
Page 3

4. The proposed installations would not require any water or sanitary facilities, or generate air emissions or discharges to water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is complete (approximately two weeks), the proposed installations would not generate any traffic other than for periodic maintenance visits.

The proposed use of this facility would therefore have a minimal environmental effect, and is environmentally feasible.

E. Economic Feasibility - As previously mentioned, VoiceStream has entered into an agreement with Pinnacle to share the use of the existing tower on terms agreeable to the parties. The proposed tower sharing is therefore economically feasible.

F. Public Safety Concerns - As stated above, the existing tower is structurally capable of supporting the proposed VoiceStream antennas. The tower stands on a raw land compound off 376 Deercliff Road east of Route 10 and south of Route 44. The size and location of the tower have also been approved by the Avon Planning and Zoning Commission which considered public health and safety in its review. VoiceStream is not aware of any other public safety concerns relative to the proposed sharing of the existing tower. In fact, the provision of new or improved phone service through shared use of the existing tower is expected to enhance the safety and welfare of area residents and travelers.

Conclusion

For the reasons discussed above, the proposed shared use of the existing tower facility at 376 Deercliff Road in Avon, Connecticut satisfies the criteria stated in C.G.S. §16-50aa, and advances the General Assembly's and the Siting Council's goal of preventing the proliferation of towers in Connecticut. VoiceStream therefore request that the Siting Council issue an order approving the proposed shared use.

Thank you for your consideration of this matter.

Sincerely,



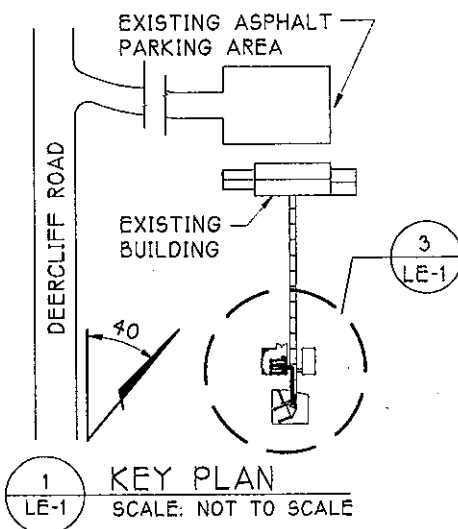
J. Brendan Sharkey, Esq.
for VoiceStream Wireless

Attachments

cc: Phillip K. Schenck, Avon Town Manager

Exhibit A

Design Drawings
376 Deercliff Road
Avon, CT



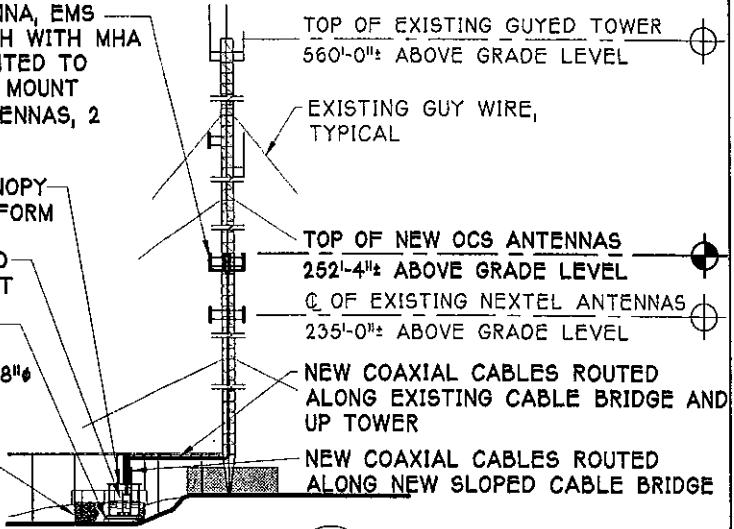
NEW SECTOR ANTENNA, EMS #FR90-16-02DP, EACH WITH MHA AND BOOSTER MOUNTED TO NEW BRACED BOOM MOUNT (TYPICAL OF 4 ANTENNAS, 2 PER MOUNT)

NEW 10'x12' ICE CANOPY ABOVE 10'x12' PLATFORM

NEW NORTEL S8000 EQUIPMENT CABINET

NEW PLATFORM GRATING ON W8 STEEL BEAMS ON 18" CONCRETE PIERS @ 18" ABOVE GRADE

NEW 20'x20'x6' HIGH CHAIN LINK FENCE ENCLOSURE



2 ELEVATION
LE-1 SCALE: NOT TO SCALE

NEW PLATFORM GRATING ON W8 STEEL BEAMS ON CONCRETE PIERS

NEW NORTEL S8000 EQUIPMENT CABINET

NEW ELECTRIC/TELCO PANELS MOUNTED TO UNISTRUT FRAME

FUTURE NORTEL S8000 EQUIPMENT CABINET

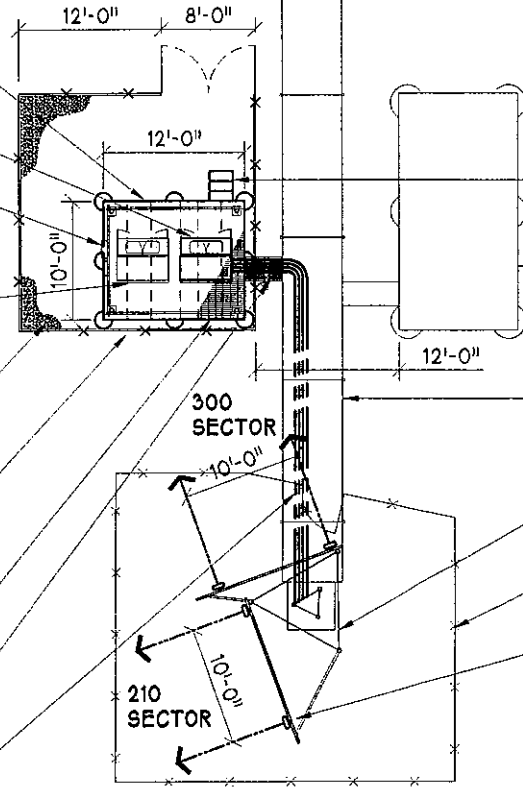
NEW 4" THICK 3/4" GRAVEL SURFACE WITH 2"x12" WOOD EDGING

NEW 20'x20'x6' HIGH CHAIN LINK FENCE ENCLOSURE

NEW 10'x12' ICE CANOPY ABOVE 10'x12' PLATFORM

NEW COAXIAL CABLES ROUTED ALONG NEW CABLE BRIDGE

NEW COAXIAL CABLES ROUTED ALONG EXISTING CABLE BRIDGE AND UP TOWER



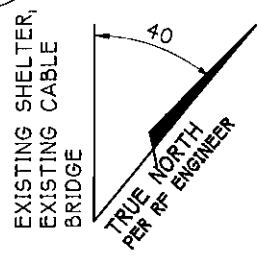
3 SITE LAYOUT
LE-1 SCALE: 1/16"=1'-0"

CABLE SCHEDULE

ORIENTATION	RX/TX	LENGTH	DIAM.		
1	210	RX	300 FT±	7/8"φ	1 WHITE
		TX	300 FT±	7/8"φ	2 WHITE
2	300	RX	300 FT±	7/8"φ	1 BLUE
		TX	300 FT±	7/8"φ	2 BLUE

NOTE:
1. ELECTRIC AND TELCO SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION DOCUMENTS

NOTE: EXHIBITS SUBMITTED ARE A CONCEPTUAL REPRESENTATION OF THE LEASE AGREEMENT ONLY. ACTUAL CONSTRUCTION DOCUMENTATION MAY VARY TO COMPLY WITH ALL APPLICABLE CODES.



NOTE:
ALL LENGTHS ARE ESTIMATED AND ARE NOT FOR CONSTRUCTION. CONTRACTOR IS TO VERIFY ALL LENGTHS PRIOR TO ORDERING MATERIALS.

ARCNET ARCHITECTS, INC.
670 North Beers Street, Building 2, Holmdel, NJ 07733
Tel: 732.739.3200 Fax: 732.739.0440

VoiceStream

P.C. JDj P.C. Chkd. Chkd. by. ARCNET Project No. 10558 Drawn. CWr Date. 4/18/00

Drawing Title: **SITE PLANS & ELEVATION**

Client: **OCS**
Omnipoint Communications Inc. is a subsidiary of VoiceStream Wireless Corporation

Project: **PINNACLE TOWER**

Address: 076 DEERCLIFF ROAD AVON, CT

Search Area: FARMINGTON/ROUTE 10

Site ID No. [REDACTED]

Approved by: [REDACTED] CLIENT: DATE:

Revision No. Date

Drawing No. **LE-1**

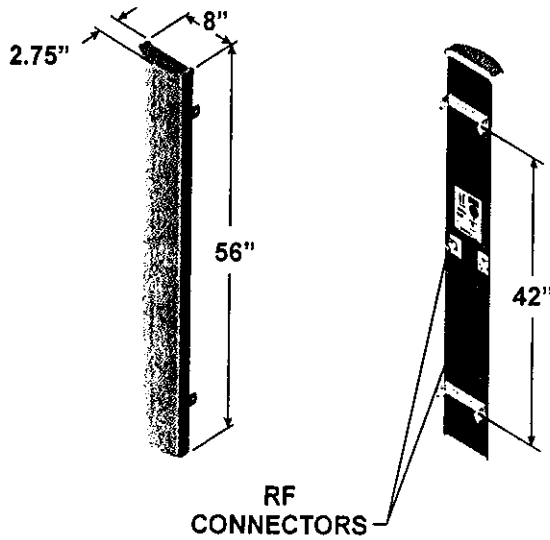
Exhibit B

Equipment Specifications

376 Deercliff Road

Avon, CT

1850 MHz - 1990 MHz (P)



- 90° beamwidth
- 16.5 dBi gain
- ±45° DualPol™
- 56 inch

SPECIFICATIONS

Electrical

Azimuth Beamwidth	90°
Elevation Beamwidth	6°
Gain	16.5 dBi (14.4 dBd)
Polarization	Slant, ±45°
Port-to-Port Isolation	≥ 30 dB
Front-to-Back Ratio	≥ 25 dB (≥ 30 dB Typ.)
Electrical Downtilt Options	0°, 2°, 4°, 6°
VSWR	1.35:1 Max
Connectors	2; Type N or 7-16 DIN (female)
Power Handling	250 Watts CW
Passive Intermodulation	<-147 dBc (2 tone @ +43 dBm (20W) ea.)
Lightning Protection	Chassis Ground

Mechanical

Dimensions (L x W x D)	56in x 8in x 2.75in (142 cm x 20.3 cm x 7.0 cm)
Rated Wind Velocity	150 mph (241 km/hr)
Equivalent Flat Plate Area	3.1ft ² (.29 m ²)
Front Wind Load @ 100 mph (161 kph)	90 lbs (400 N)
Side Wind Load @ 100 mph (161 kph)	31 lbs (139 N)
Weight	18 lbs (8.2 kg)

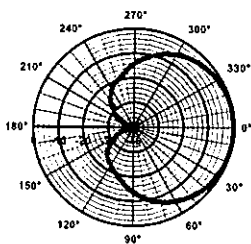
Note: Patent Pending and US Patent number 5, 757, 246.

Values and patterns are representative and variations may occur. Specifications may change without notice due to continuous product enhancements. Digitized pattern data is available from the factory or via the web site www.emswireless.com and reflect all updates.

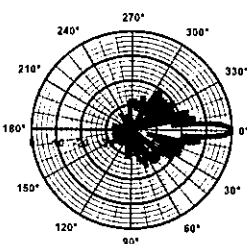
MOUNTING OPTIONS

Model Number	Description	Comments
MTG-P00-10	Standard Mount (Supplied with antenna)	Mounts to Wall or 1.5 inch to 5.0 inch O.D. Pole (3.8 cm to 12.7 cm)
MTG-S02-10	Swivel Mount	Mounting kit providing azimuth adjustment.
MTG-DXX-20*	Mechanical Downtilt Kits	0° - 10° or 0° - 15° Mechanical Downtilt
MTG-CXX-10*	Cluster Mount Kits	3 antennas 120° apart or 2 antennas 180° apart
MTG-C02-10	U-Bolt Cluster Mount Kit	3 antennas 120° apart, 4.5" O.D. pole.
MTG-TXX-10*	Steel Band Mount	Pole diameters 7.5" - 45"

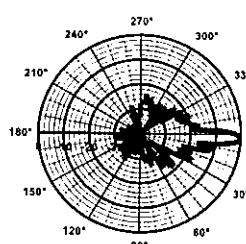
* Model number shown represents a series of products. See mounting options section for specific model number.



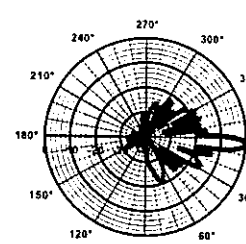
Azimuth



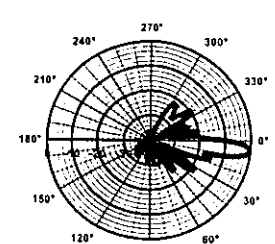
Elevation
0° Downtilt



Elevation
2° Downtilt



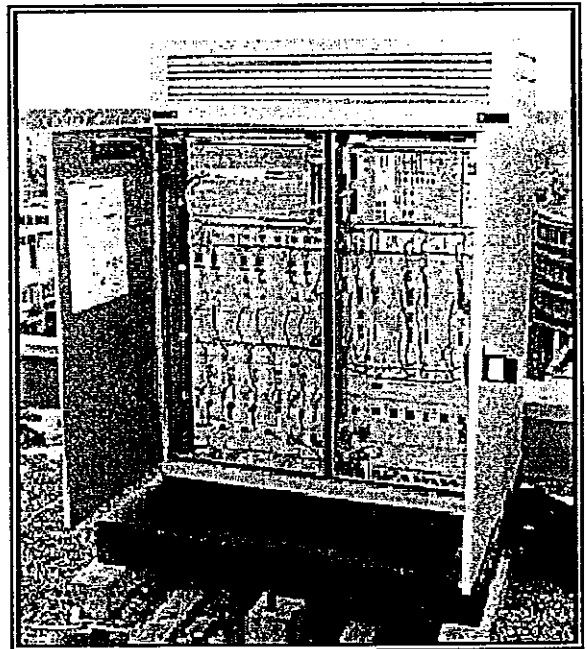
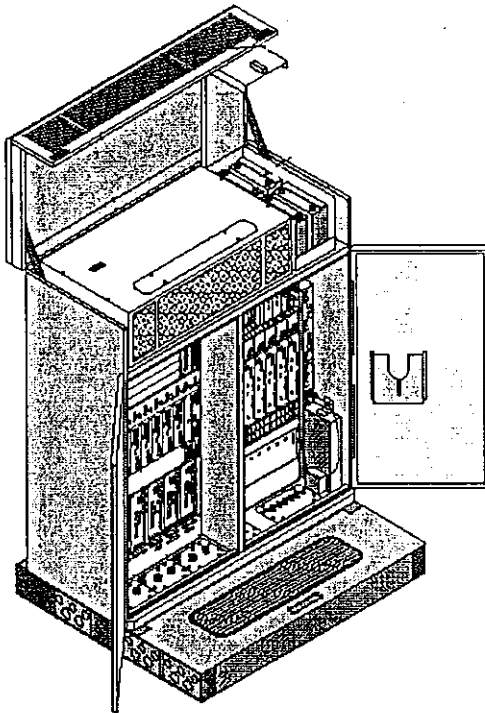
Elevation
4° Downtilt

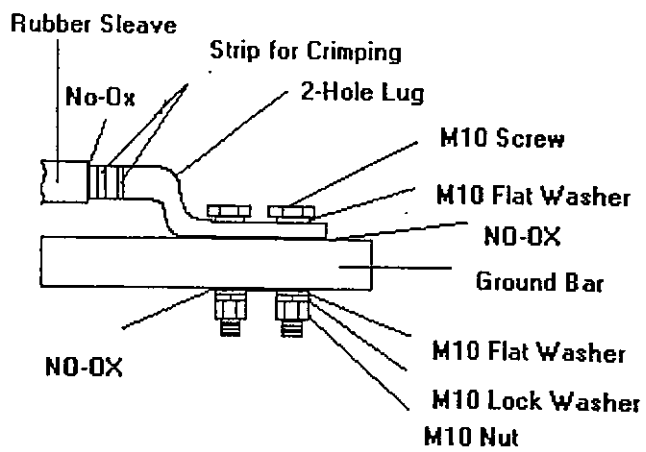
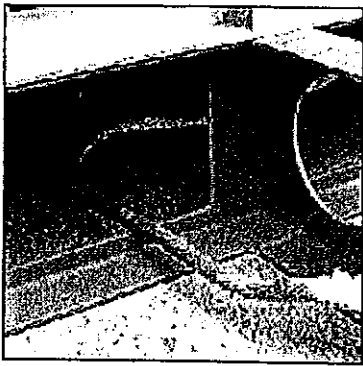


Elevation
6° Downtilt



S8000 BTS Site Specifications





Apply a light coating of No Oxidation (NO-OX) to the ground bar area.

Dimensions, Weights & Clearances

BTS

Weight: 915 pounds
 Dimensions: 53.2"W x 26"D x 63"H

Clearances while transporting in building:

Door Access:

Height: 6.6 feet
 Width 3 feet

Corridor Access:

Height: 6.6 feet
 Width: 3.6 feet (straight), 6.6 feet (right angle)

Clearances when installed:

Above: 28 inches for opening of hood
 Rear: 8 inches for installation of outer skin
 Sides: 8 inches for adjustment of door hinges
 Front: 54 inches to open door and technician access

Plinth

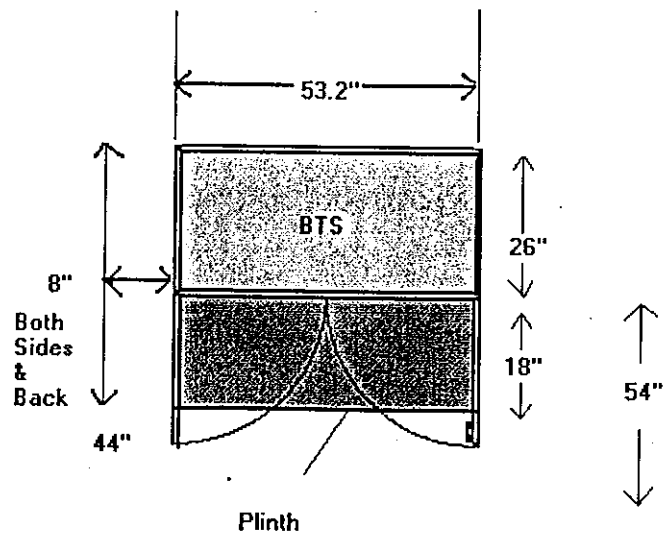
Weight:
 87 pounds

Dimensions:
 53.2"W x 44"D x 10.2"H

Floor Characteristics

Minimum Floor Resistance:
 123 pounds/foot²

Flatness:
 ¼ inch over 78 inches



Electrical Specifications

Split Single-Phase

3 wires plus ground

L1: Black 6 gauge

L2: Red 6 gauge

Neutral: White 6 gauge

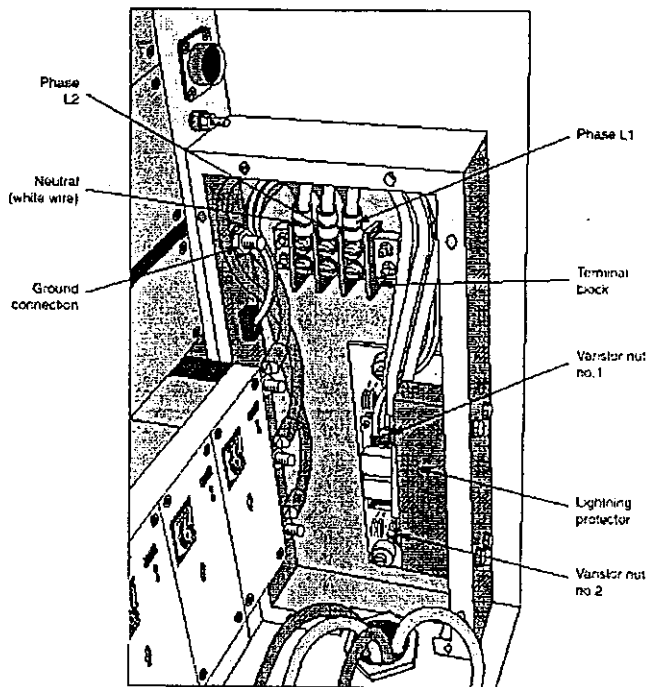
Ground: Yellow/Green 6 gauge

Maximum distance between AC box and BTS: 105 feet

187 ~ 254 VAC between L1 and L2

99 ~ 127 VAC between Neutral and L1 or L2

45 ~ 65 Hertz



AC connection to BTS located at the front, lower, right-hand side of BTS

Circuit Breaker in AC Box

Up to 4 transmitters

30 A, bipolar, C curve

5 or more transmitters

40A, bipolar, C curve

BTS to Ground connection

Minimum 2 AWG, run in most direct route as possible towards true earth, minimizing bends. No bend shall be less than 90 degrees.

Exhibit C

Structural Analysis
376 Deercliff Road
Avon, CT



PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS

250 East Broad Street • Suite 500 • Columbus, Ohio 43215

May 17, 2000

ARCNET
100 Filley Street
Bloomfield, CT 06002

Attn: Mr. Joe Dibernardo

Re: Existing 560-ft. guyed tower
Avon, Connecticut
CT-11-376A – Farmington Site
(PJF Job No. 34300-5)

Dear Joe,

We have completed our analysis of the existing Avon tower. Although the date of manufacture is unknown, the existing tower geometry resembles that manufactured by Stainless, Inc. Our analysis was performed to determine if the existing tower has the capacity to safely support the revised loading as shown on page one of the enclosed sketches.

Our analysis was performed in accordance with the Electronic Industries Association Standard ANSI/EIA-222 revision F 1996. The standard recommends a minimum design wind velocity of 80-mph for Hartford County. If ice accumulation is to be considered, then the EIA standard allows a reduced design wind velocity of 69 mph with simultaneous 1/2" radial ice. The existing tower has the capacity to safely withstand 76 mph winds with no ice and 68 mph winds with 1/2" ice. Our calculations indicate that the existing 5/8" diameter diagonal rods from 460' to 435' and from 285' to 260' are overstressed by as much as 10%. For the most part, the tower has some reserve capacity except for these diagonal members, and if these overstressed diagonals are replaced with new 3/4" diameter rods, the tower capacity will be increased to meet the minimum recommendations of the EIA standard.

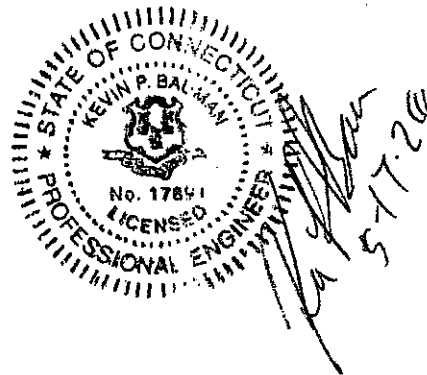
We could not calculate the capacity of the existing foundation system since the below grade dimensions were unknown and a site specific soils report was not available.

If you have any questions or require any additional information, please call.

Sincerely,

PAUL J. FORD AND COMPANY

Kirk R. Hall, EIT
Project Engineer
Email: khall@pjfweb.com



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FAX 614-221-2540

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404-266-2407
FAX 404-869-4608

• ORLANDO, FLORIDA •
407-898-9039
FAX 407-897-3662

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ARCNET

100 FILLEY ST. BLOOMFIELD, CONNECTICUT 06002
 PH: (860) 692-7126 FAX: (860) 692-7159



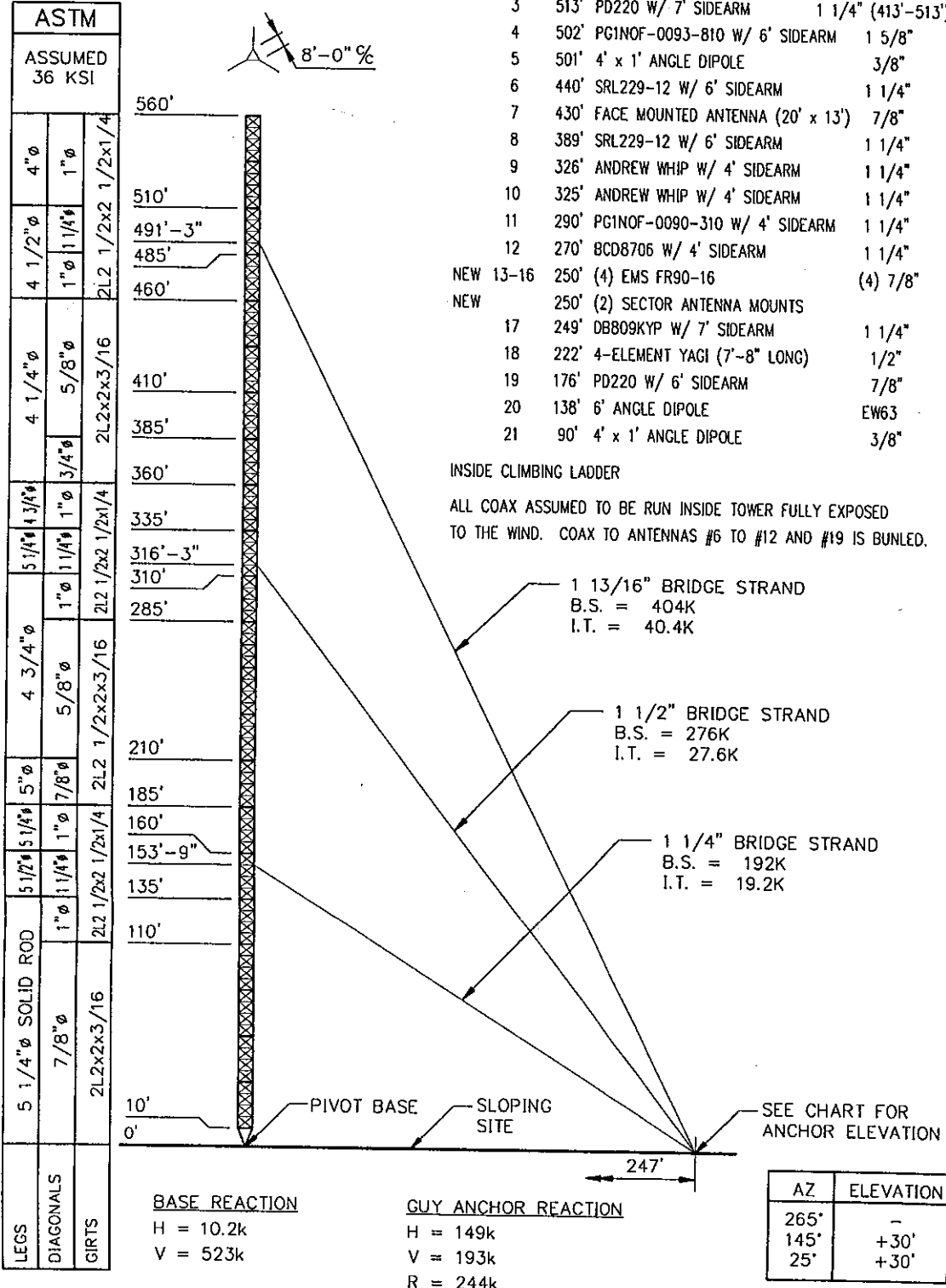
PAUL J. FORD AND COMPANY
 STRUCTURAL ENGINEERS
 250 East Broad Street Suite 500 Columbus, Ohio 43215
 PH (614)-221-6679 FAX (614)-221-0166

Tower 560 FT GUYED
 Location AVON, CONNECTICUT
 Site CT-11-376A FARMINGTON
 Renter VOICESTREAM
 Owner PINNACLE TOWERS
 EIA Min 80 MPH/69 MPH + 1/2" RADIAL ICE
 Capacity 76 MPH/68 MPH + 1/2" RADIAL ICE
 According to ANSI/EIA 222-F 1996

Page 1 Of 3
 By KRH Date 5-17-2000
 Job No. 34300-5
 Revision No. _____ Date _____

ANTENNA LIST

NO	EL	ANTENNA	AZ	COAX
1	TOP	HARRIS WAVESTAR TWS-30 CH#18	16"x 8" RIGID	
2	514'	DB589T3 W/ 6' SIDEARM		1 5/8"
3	513'	PD220 W/ 7' SIDEARM	1 1/4" (413'-513')	
4	502'	PG1NOF-0093-810 W/ 6' SIDEARM		1 5/8"
5	501'	4' x 1' ANGLE DIPOLE		3/8"
6	440'	SRL229-12 W/ 6' SIDEARM		1 1/4"
7	430'	FACE MOUNTED ANTENNA (20' x 13')		7/8"
8	389'	SRL229-12 W/ 6' SIDEARM		1 1/4"
9	326'	ANDREW WHIP W/ 4' SIDEARM		1 1/4"
10	325'	ANDREW WHIP W/ 4' SIDEARM		1 1/4"
11	290'	PG1NOF-0090-310 W/ 4' SIDEARM		1 1/4"
12	270'	BCD8706 W/ 4' SIDEARM		1 1/4"
NEW 13-16	250'	(4) EMS FR90-16		(4) 7/8"
NEW	250'	(2) SECTOR ANTENNA MOUNTS		
17	249'	DB809KYP W/ 7' SIDEARM		1 1/4"
18	222'	4-ELEMENT YAGI (7'-8" LONG)		1/2"
19	176'	PD220 W/ 6' SIDEARM		7/8"
20	138'	6' ANGLE DIPOLE		EW63
21	90'	4' x 1' ANGLE DIPOLE		3/8"



ARCNET

100 FILLEY ST. BLOOMFIELD, CONNECTICUT 06002
PH: (860) 692-7126 FAX: (860) 692-7159



PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS
250 East Broad Street Suite 500 Columbus, Ohio 43215
PH (614)-221-6679 FAX (614)-221-0166

Page 2 Of 3

By KRH Date 5-17-2000

Job No. 34300-5

Revision No. _____ Date _____

Tower 560 FT GUYED

Location AVON, CONNECTICUT

Site CT-11-376A FARMINGTON

Renter VOICESTREAM

Owner PINNACLE TOWERS

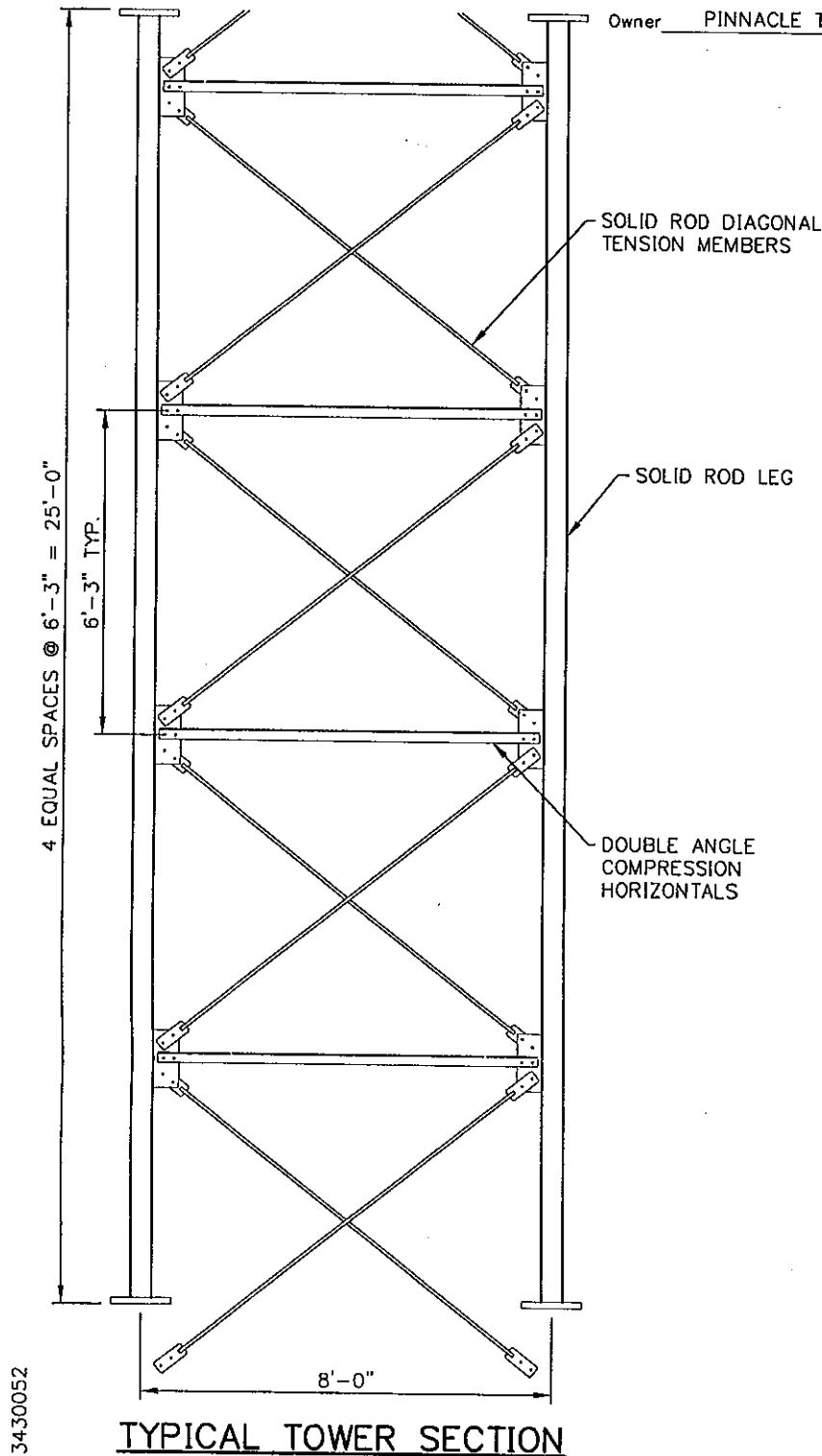


Exhibit D

Power Density Calculations

376 Deercliff Road

Avon, CT



100 Filley St., Bloomfield, CT 06002
Phone: (860) 692 - 7129
Fax: (860) 692 - 7159

Technical Memo

To: Brendan Sharkey
From: Haider Syed (Radio Engineering Consultant)
cc: Mike Fulton
Subject: Power Density Report for CT11376
Date: 5/12/00

1. Introduction:

This report is the result of an Electromagnetic Field Intensities (EMF - Power Densities) study for the proposed VoiceStream Wireless PCS antenna installation on Tower at Deercliff Rd in Avon, CT. This study incorporates the most conservative considerations for determining the practical combined worst case power density levels that would be theoretically encountered from several locations surrounding the transmitting location.

2. Discussion:

The following assumptions were used in the calculations:

- 1) The emissions from the OCI transmitters are in the 1930-1945 MHz frequency band.
- 2) The antenna cluster consists of two sectors, with two antennas per sector. The model number for each antenna is EMS FR901702 DP.
- 3) The antenna height is 250 feet centerline.
- 4) The maximum transmit power from each sector is 2588.75 Watts Effective Isotropic Radiated Power (EiRP).
- 5) All the antennas are simultaneously transmitting and receiving, 24 hours a day.
- 6) Power levels emitting from the antennas are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 7) The average ground level of the studied area does not significantly change with respect to the transmitting location.

Equations given in "FCC OET Bulletin 65, Edition 97-01" were then used with the above information to perform the calculations.

3. Conclusion:

Based on the above worse case assumptions, the power density calculations from the proposed VoiceStream Wireless, PCS antenna installation at the Tower is 0.009087 mw/cm^2 . This value represents only 0.9087 % of the Maximum Permissible Emission (MPE) standard of 1000 microwatts per square centimeter ($\mu\text{w/cm}^2$) set forth in the FCC/ANSI/IEEE C95.1-1991. Details are shown in the attachment. The combined % MPE was calculated to be 75.1789872 %. Furthermore, the proposed antenna location for VoiceStream Wireless on Tower at Deercliff Rd in Avon, CT will not interfere with existing public safety telecommunications, AM band and FM band radio broadcast, TV, Police Communication, HAM Radio communications and other signals in the area.

Worst Case Power Density for installation on Deercliff Rd in Avon, CT.

Region 11 - Connecticut	
Power Density Calculation - Worst Case	
Base Station TX output	20 W
Number of channels	4
Antenna Model	EMS: RR-90-17/ RV-90-17
Antenna Gain	15.5 dBi
Cable Size	7/8"
Cable Length	270 ft
Jumper & Connector loss	1 dB
Cable Loss per foot	0.0186
Total Cable Loss	0.4 dB
Total Attenuation	0.4 dB
Total EIRP per channel	58.11 dB
Total EIRP per sector	64.13 dB
Ground Reflection	1.6
Frequency	1930 MHz
Antenna Height	250 ft
ns9	15.1
Power Density (S)	0.009087 mW / cm ²
% MPE	0.9087%
Current Cumulative % MPE = 75.1699 %	
Cumulative % MPE with Omnipoint = 75.1789872 %	

Equation Used :

$$S = \frac{(1000 (grf))^2 (Power) * 10^{(ns g/10)}}{4\pi (R)^2}$$

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* See attached spread sheet for numbers.



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

June 2, 2000

Mr. Philip K. Schenck, Jr.
Town Manager
Town of Avon
60 West Main Street
Avon, CT 06001-3743

RE: TS-VOICESTREAM-004-000530 - VoiceStream Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 376 Deercliff Road in Avon, Connecticut.

Dear Mr. Schenck:

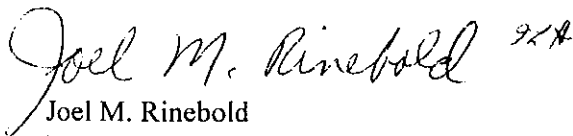
The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for Wednesday, June 7, 2000, 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,

Handwritten signature of Joel M. Rinebold, with initials "JMR" to the right.

Joel M. Rinebold
Executive Director

JMR/grg

Enclosure: Notice of Tower Sharing