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

November 21, 2003

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-162-031113** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 15 Oakdale Avenue, in Winchester (Winsted), Connecticut.

Dear Attorney Baldwin:

At a public meeting held on November 20, 2003, 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 November 13, 2003. 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,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: Honorable Maryann Welcome, Mayor, Town of Winchester
Anthony Cannavo, Planning and Zoning Chairman, Town of Winchester
Eric Rabon, Spectrasite Communications
Brian Benito, Bureau of Police Support, Telecommunications
Michele G. Briggs, Southwestern Bell Mobile Systems
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels
Thomas F. Flynn III, Nextel Communications

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EM-VER-162-031113

ROBINSON & COLE LLP

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

November 13, 2003

Via Hand Delivery

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification**
15 Oakdale Avenue
Winchester (Winsted), Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on an existing tower at 15 Oakdale Avenue in Winchester, Connecticut. Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Winchester Mayor, Maryann Welcome.

The facility consists of a 182-foot self-supporting monopole tower, capable of supporting multiple carriers within an approximately 90' x 95' fenced site compound. The tower is owned and operated by SpectraSite Communications, Inc. ("SpectraSite") and is currently shared by the Connecticut State Police at the 184-foot, 151-foot and 148-foot levels; Cingular Wireless at the 184-foot level; AT&T Wireless at the 174-foot level; Sprint PCS at the 135-foot level; and Nextel Communications (approved) at the 115-foot level. Cellco proposes to install twelve (12) panel-type antennas at the 125-foot level on the tower and a 12' x 30' single-story equipment shelter near the base of the tower. (See Attachment 1 - Project Plans).

The planned modifications to the Winchester facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not increase the overall height of the existing tower. Cellco's antennas will be mounted with their centerline at the 125-foot level on the 182-foot tower.

2. The proposed installation of twelve (12) panel-type antennas and a 12' x 30' equipment shelter will not require an extension of the site boundaries.

3. The proposed modification will not increase the noise levels at the facility by six decibels or more.

4. The operation of the antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. The total worst-case radio frequency emission levels for existing and Cellco antennas would be 17.62% of the FCC standard, as measured for mixed frequency sites. (See Attachment 2)

Also included as Attachment 3 is an engineer's certification verifying that the tower can accommodate existing and proposed antennas and related equipment.

For the foregoing reasons, Cellco respectfully submits that the proposed antenna installation at the Winchester facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Attachments
cc: Maryann Welcome, Winchester Mayor
Sandy M. Carter

Cellco Partnership

d.b.a. verizon wireless

WIRELESS COMMUNICATIONS FACILITY

WINCHESTER EAST
OAKDALE AVENUE
WINSTED, CT 06098

PROJECT SUMMARY

SITE NAME:	WINCHESTER EAST
SITE ADDRESS:	OAKDALE AVENUE WINSTED, CONNECTICUT 06098
PROPERTY OWNER:	WILLIAM P. STOW P.O. BOX 372 FLAGLER BEACH, FL 32136 386-439-8009
LEASOR:	WILLIAM P. STOW P.O. BOX 372 FLAGLER BEACH, FL 32136 386-439-8009
LESSEE:	CELLCO PARTNERSHIP 99-101 EAST RIVER DR. EAST HARTFORD, CT 06108
APPLICANT:	CELLCO PARTNERSHIP 99-101 EAST RIVER DR. EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELLCO PARTNERSHIP (860) 803-8219
CENTER OF TOWER:	LATITUDE 41° 55' 17.7" LONGITUDE 73° 02' 57.9" GROUND ELEV. 1073'± AMSL COORDINATES WERE TAKEN USING A HAND HELD GPS

GENERAL NOTES

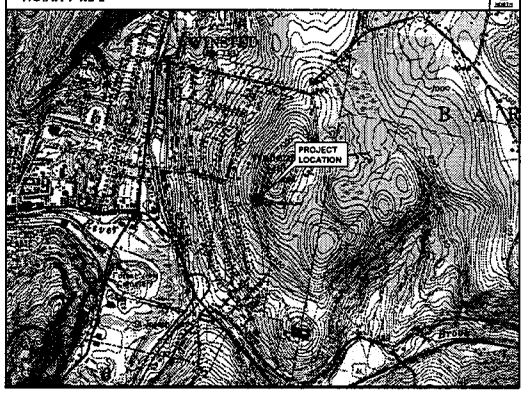
1. PROPOSED AND EXISTING ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELLCO PARTNERSHIP.

SITE DIRECTIONS

FROM: 99-101 EAST RIVER DR.,EAST HARTFORD, CT.
TO: OAKDALE AVENUE, WINSTED, CT

START OUT GOING WEST ON US-44W/CONNECTICUT BLVD. STAY STRAIGHT TO GO ONTO US-RW/I-84W. TAKE EXIT NUMBER 50 TOWARD I-91S/MAIN ST. US-44W BECOMES US-44W/MORGAN ST. TURN SLIGHT RIGHT ONTO US-44/MAIN ST. TURN LEFT ONTO LAKE ST/CT-263. TURN RIGHT ONTO OLD NEW HARTFORD RD. TURN LEFT ONTO OAKDALE AVE.

VICINITY MAP



LEGEND

SYMBOL	DESCRIPTION
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER SHEET WHERE ELEVATION OCCURS

SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	04
C-1	COMPOUND PLAN AND ELEVATION	04

REVISIONS		
00	5/29/03	SITING COUNCIL REVIEW
01	9/25/03	REVISED CSC REVIEW
02	10/24/03	REVISED CSC REVIEW
03	10/29/03	FINAL SITING COUNCIL
04	11/13/03	REVISED SITING COUNCIL

Cellco Partnership
d.b.a. verizon wireless

Natcomm, LLC- Engineering Consultants

Natcomm, LLC.
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers - Project Management
Civil-Structural-Mechanical-Electrical

PROFESSIONAL ENGINEER SEAL

WINCHESTER EAST

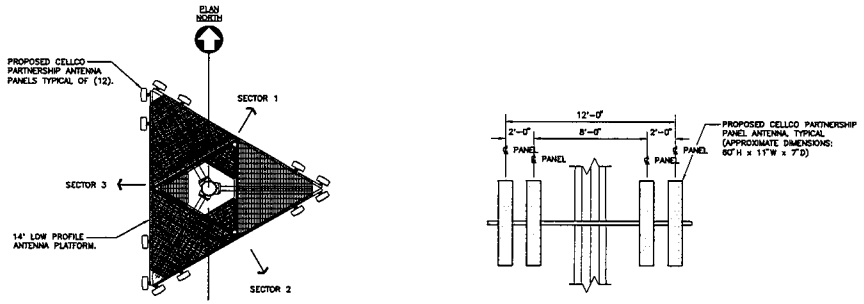
OAKDALE AVENUE
WINSTED, CT.

PROJECT NO:	03066
DRAWN BY:	KC
CHECKED BY:	AAJ
SCALE:	AS NOTED
DATE:	07/14/03

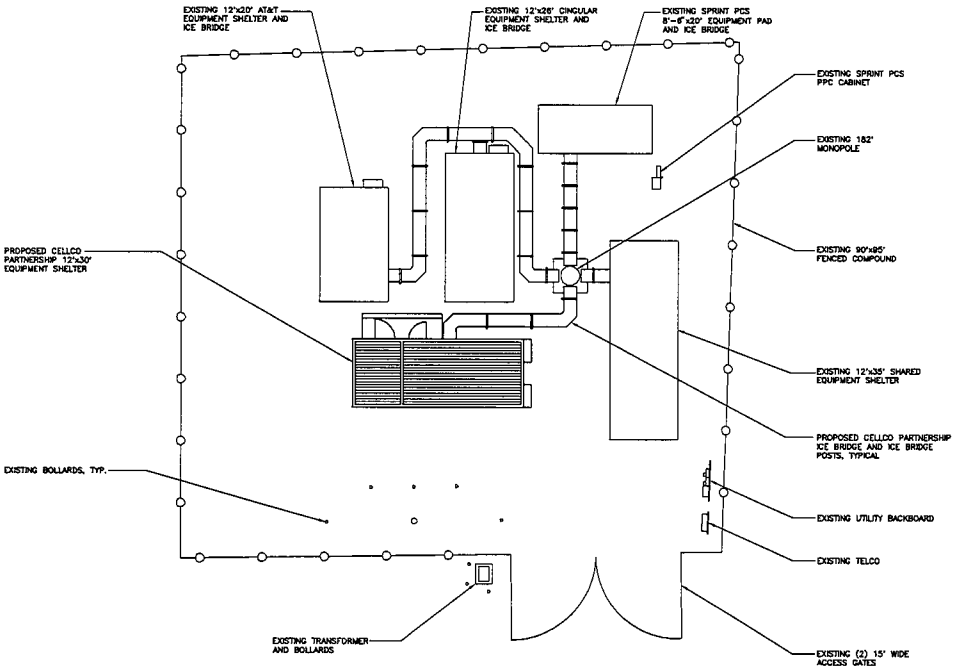
TITLE SHEET

T-1

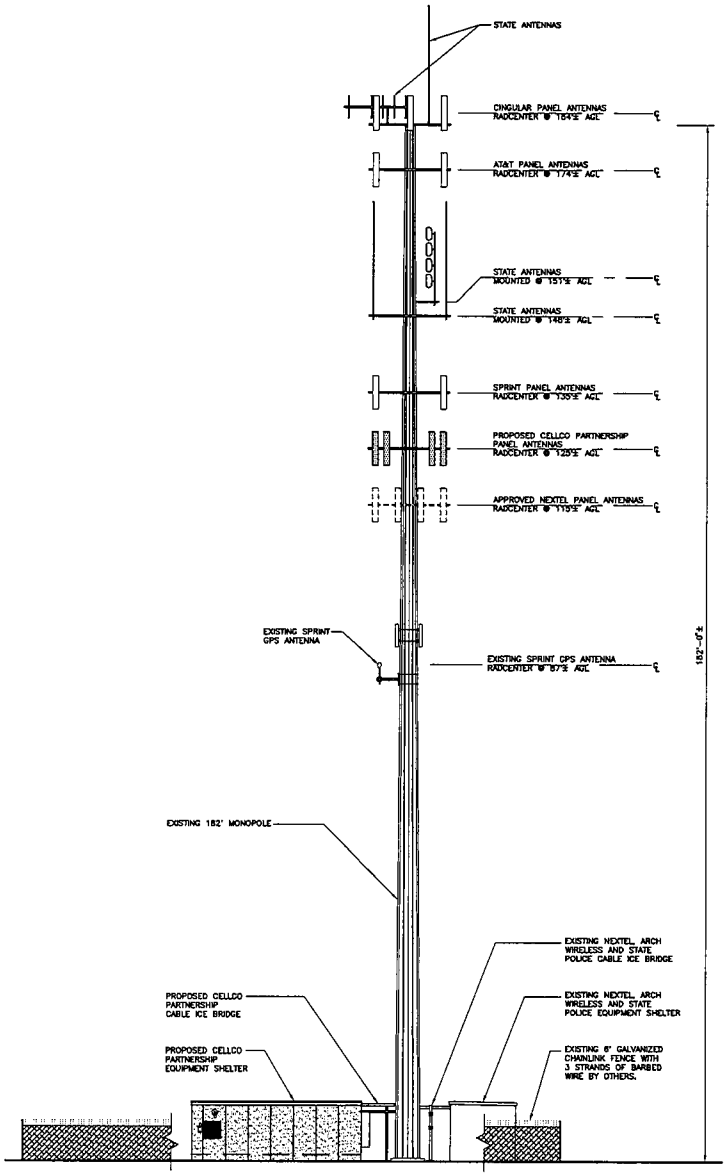
DWG. 1 OF 2



3 C-1 **MONOPOLE ANTENNA MOUNTING CONFIGURATION**
NOT TO SCALE



1 C-1 **COMPOUND PLAN**
SCALE: 1"=10'-0"



2 C-1 **ELEVATION**
SCALE: 1"=10'-0"

REVISIONS		

Cellco Partnership
d.b.a. verizonwireless

Natcomm, LLC - Engineering Consultants
NATCOMM
Natcomm, LLC.

Consulting Engineers Project Management
Civil Structural Mechanical Electrical

PROJECT NO:	
DRAWN BY:	KC
CHECKED BY:	AAJ
SCALE:	AS NOTED
DATE:	

COMPOUND PLAN AND ELEVATION

C-1
DWG. 2 OF __

Site Name: Winchester E, CT
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissable Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
Cingular	880	9	211	1899	184	0.0202	0.587	3.44%
AT&T	875	9	200	1800	174	0.0214	0.583	3.67%
Sprint	1950	11	222	2442	135	0.0482	1	4.82%
Verizon	1970	3	200	600	125	0.0138	1	1.38%
Nextel	851	9	100	900	115	0.0245	0.567	4.31%
Total Percentage of Maximum Permissible Exposure								**17.62%**

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case scenario, maximum values used.

SpectraSite Winchester East

CT-0042 [Winchester]
Structural Evaluation of 180' EEI Monopole
15 Oakdale Avenue
Winchester, CT 06098
Litchfield County

Date: *October 14, 2003*

SpectraSite Engineering has performed a *Level 1 evaluation*[1] for the above-noted tower. The evaluation was based on requirements of the TIA/EIA-222-F Standard and the 1996 BOCA National Building Code for a basic wind speed of **80 mph** without ice and 75% of the wind load with ½" radial ice.

Table 1. Existing and Proposed Antennas

ELEVATION *(Ft-AGL)*	ANTENNA	CARRIER	COAX*	NOTES
184	(1) Decibel DB499-K (1) 4' Yagi on Existing Low Profile Platform	CT State Police Dept.	(1) 7/8" [I] (1) 1/2" [I] (1) 1-5/8" [I]	Existing
184	(6) CSS DUO1417-8686 (3) CSS PBC-750 (3) CSS DUO4-8670 on Low Profile Platform	Cingular	(6) 1-1/4" [I] (3) 1-1/4" [I] (3) 1-1/4" [I]	Existing Existing Reserved
174.2	**(2) Antel LPD-790714 (2) Antel RWA-80DIZN (2) Allgon 7262.01 on Low Profile Platform**	**AT&T**	**(4) 1-5/8" [I] (4) 1-5/8" [I] (4) 1-5/8" [I]**	**Remove Existing**
174.2	**(2) Antel LPD-7905/4 (2) Antel RWA-80012 (2) Decibel 731DG85V1E-XM on Low Profile Platform**	**AT&T**	**(4) 1-5/8" [I] (4) 1-5/8" [I] (4) 1-5/8" [I]**	**Proposed Replacement**
151	(1) Sinclair SRL-210 (1) Decibel DB809DK-XT on Side Arm Mounts	CT State Police Dept.	(2) 1-5/8" [I]	Existing
148.5	(1) Decibel DB809DK-XT on Side Arm Mount	CT State Police Dept.	(1) 1-5/8" [I]	Existing
135	(6) Decibel DB980H90E-M (3) Decibel DB980H90E-M on Platform w/Handrails	Sprint	(6) 1-5/8" [I] (3) 1-5/8" [I]	Existing Reserved
125	**(12) Decibel DB950G85E-M on Low Profile Platform**	**Cellco Partners**	**(12) 1-5/8" [O]**	**Proposed**
114.5	**(12) Decibel DB844H90E-XY on 15' PiRod Low Profile Platform****	**Nextel**	**(12) 1-1/4" [O]**	**Proposed**
92	(2) Empty Dish Mounts	CT State Police Dept.	N.A.	Existing

**** [I]/[O] denotes coax installed inside/outside of monopole, respectively.***
*****Platform conforms to the requirements of TIA/EIA-222-F Standard for sustained 90 mph wind + ½" radial ice.***

1 *Level 1 evaluation* means:
- the applied (existing and proposed) loads (Table 1) on the tower are compared to the original design loads,
- the design wind criteria is compared to the recent code requirements.

The subject tower and foundation are ***adequate*** to support the above stated loads and ***in conformance*** with requirements of the TIA/EIA-222-F Standard and the 1996 BOCA NBC.

The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

Douglas K. Pineo
10/16/03

Douglas K. Pineo, P.E.
Senior Design Engineer

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.

Analysis prepared by:
Bryan Lanier, E.I.
Engineering Associate
Contact (919) 466-5777 with any questions