



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@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso

Chairman

November 4, 2006

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

RE: **EM-VER-003-061012** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 99 Knowlton Hill Road, Ashford, Connecticut.

Dear Attorney Baldwin:

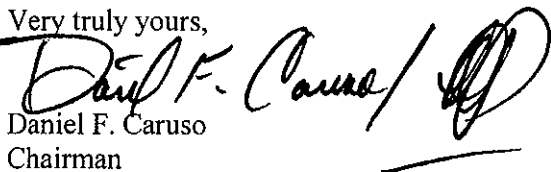
At a public meeting held on October 31, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 12, 2006, including the placement of all necessary equipment and shelters within the tower compound. 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. Please be advised that the validity of this action shall expire one year from the date of this letter. 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,



Daniel F. Caruso
Chairman

DFC/MP/laf

c: The Honorable Ralph H. Fletcher, First Selectman, Town of Ashford
Richard Dziadus, Zoning Enforcement Officer, Town of Ashford
David Vivian, Site Development Manager, Gridcom
Christine Farrell, T-Mobile
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC

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

EM-VER-003-061012

October 12, 2006

Via Hand Delivery

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

RECEIVED
OCT 12 2006
CONNECTICUT
SITING COUNCIL

**Re: Notice of Exempt Modification
99 Knowlton Hill Road
Ashford, Connecticut**

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing 150-foot self-supporting monopole tower owned by National Grid Wireless, Inc. at 99 Knowlton Hill Road in Ashford, 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 Ashford First Selectman, Ralph H. Fletcher.

The facility consists of a 150-foot self-supporting monopole tower capable of supporting multiple carriers within a fenced compound at 99 Knowlton Hill Road in Ashford. The tower is currently shared by T-Mobile at the 147-foot level; and New Cingular Wireless at the 137-foot level. Cellco proposes to install twelve (12) panel-type antennas at the 127-foot level on the tower and place a 12' x 30' single-story equipment shelter on the ground near the base of the tower within the existing fenced compound. Attached behind Tab 1 are Project Plans for the proposed Cellco facility.

The planned modifications to the Ashford 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 127-foot level on the 150-foot tower.



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S. Derek Phelps
October 12, 2006
Page 2

2. The proposed installation of a 12' x 30' equipment shelter will not require an extension of the fenced compound or leased area.

3. The proposed installation 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 cumulative worst-case RF power density calculations for the existing carriers and proposed Cellco antennas would be 23.33% of the FCC standard. A copy of the cumulative power density calculations table is attached behind Tab 2.

Also attached, behind Tab 3, is a Structural Letter stating that the tower can support the existing and proposed antennas and associated equipment.

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

Sincerely,



Kenneth C. Baldwin

Attachments

Copy to:

Ralph H. Fletcher, Ashford First Selectman
Sandy M. Carter





Cellco Partnership

d.b.a. **verizon** wireless

ASHFORD WEST 2

99 KNOWLTON HILL ROAD
ASHFORD, CT 06278

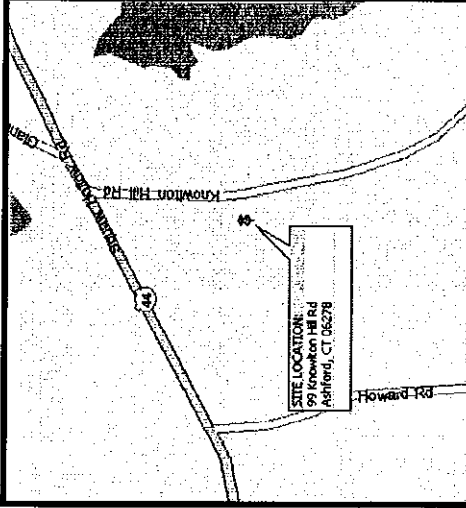
NOTE:
THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. RELIANCE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

STRUCTURAL NOTE:

NEW CONSTRUCTION REPRESENTED ON THESE PLANS IS PROPOSED PREDICATED ON THE REQUIREMENT THAT A STRUCTURAL ANALYSIS BE PERFORMED BY A LICENSED CONNECTICUT PROFESSIONAL STRUCTURAL ENGINEER AND CERTIFICATION IS GIVEN BY THE ENGINEER THAT THE EXISTING TOWER AND ALL EXISTING AND PROPOSED ANTENNAS AND APPURTENANCES SUPPORTED BY THE TOWER AND ANY REQUIRED IMPROVEMENTS AND REINFORCEMENTS HAVE SUFFICIENT STRUCTURAL CAPACITY AND COMPLY WITH THE CONNECTICUT BUILDING CODE AND ALL APPLICABLE E/A/T/A CRITERIA. NO WORK PROPOSED HEREON SHALL BE PROGRESSED WITHOUT CONFIRMATION OF THIS CERTIFICATION.

DIRECTIONS. (FROM HARTFORD, CT):

TAKE I-84 EAST TO EXIT 69.
TAKE RIGHT OFF EXIT ONTO RT-74 EAST.
FOLLOW RT-74E TO RT-44 WEST.
RIGHT ONTO RT-44W AND FOLLOW TO
KNOWLTON HILL ROAD AND TURN LEFT.
SITE IS LOCATED BEHIND THE BARN ON THE RIGHT.



PROJECT SUMMARY

SITE NAME: ASHFORD WEST 2
SITE ADDRESS: 99 KNOWLTON HILL ROAD ASHFORD, CT 06278
PROPERTY OWNER: THOMAS E. KNOWLTON 99 KNOWLTON HILL ROAD ASHFORD, CT 06278
TOWER OWNER: NATIONAL GRID WIRELESS, INC. 80 CENTRAL ST BOXBOROUGH, MA 01719
OWNER CONTACT: NATIONAL GRID WIRELESS (978) 264-6000
LESSEE: CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
APPLICANT: CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON: SANDY CARTER CELCO PARTNERSHIP (860) 803-8219
COORDINATES: LATITUDE: 41°-50'-26.5" N (NAD 83)
LONGITUDE: 72°-12'-26.6" W (NAD 83)
COORDINATES PROVIDED BY HANDHELD GPS

SHEET INDEX	
SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
S-1	PARTIAL SITE PLAN
S-2	MONOPOLE ELEVATION

NOTE:

DRAWINGS FOR SITING COUNCIL ONLY. NOT TO BE USED FOR CONSTRUCTION.

NO.	DATE	BY	DESCRIPTION
0	10/12/06	CMS	FINAL SITING COUNCIL
A	07/31/06	CMS	PRELIMINARY SITING COUNCIL

Dewberry-Goodkind, Inc.
A Dewberry Company
99 Elm Street, Suite 101
New Haven, CT 06510
P: (203) 776-2277
F: (203) 776-2288

Engineers
Planners
Surveyors

SCALE: AS SHOWN
DESIGNED BY: CKD
DATE: 07/31/06
PROJECT NO. 4363-10

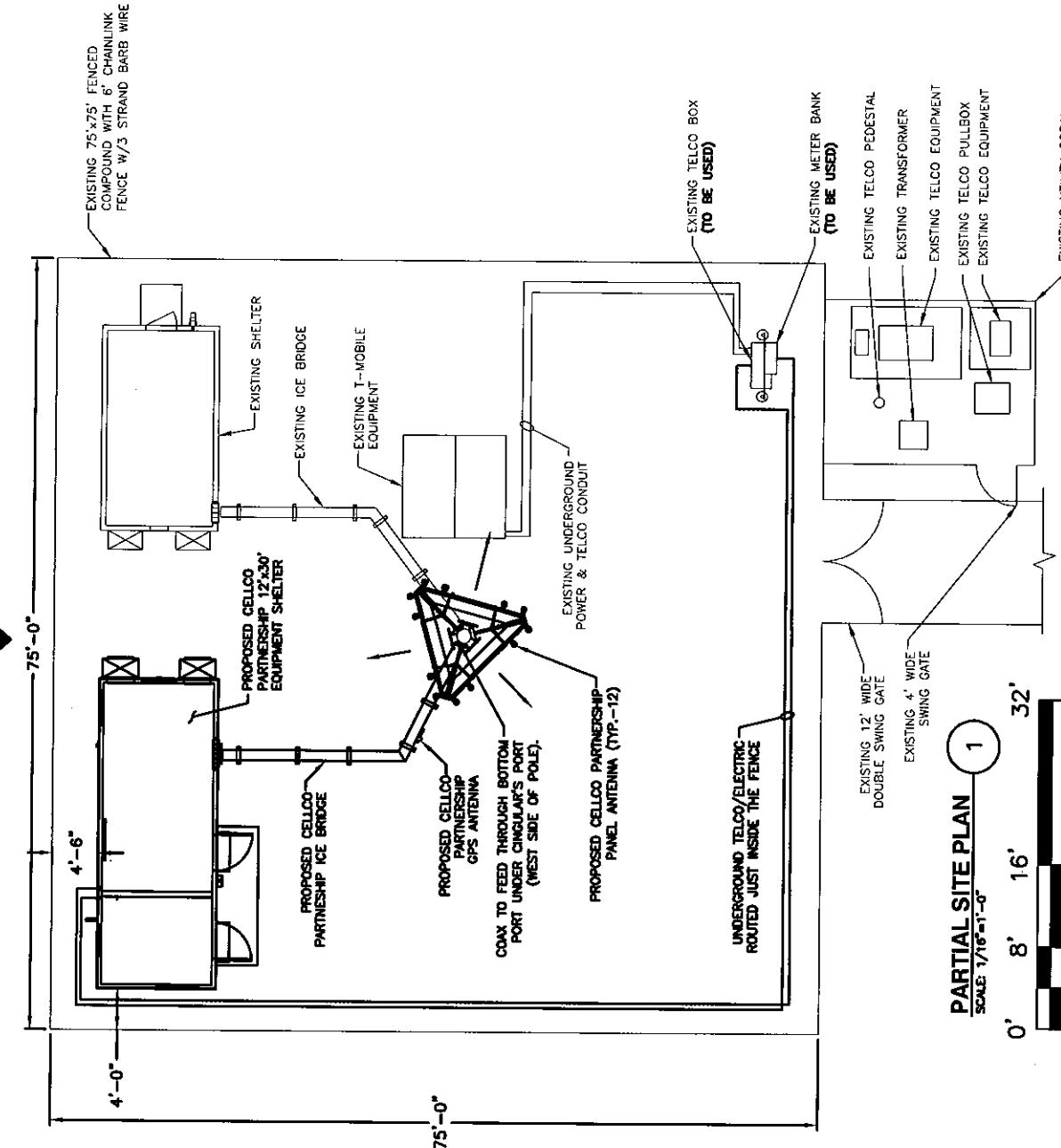
TITLE SHEET

SITE NAME: ASHFORD WEST 2
99 KNOWLTON HILL ROAD ASHFORD, CT

PROJECT: 2008174157
LOCATION CODE: 172402

Cellco Partnership
d.b.a. **verizon** wireless

SHEET NO. T-1



4'-0"

75'-0"

4'-6"

75'-0"

EXISTING 12' WIDE DOUBLE SWING GATE

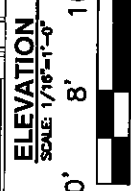
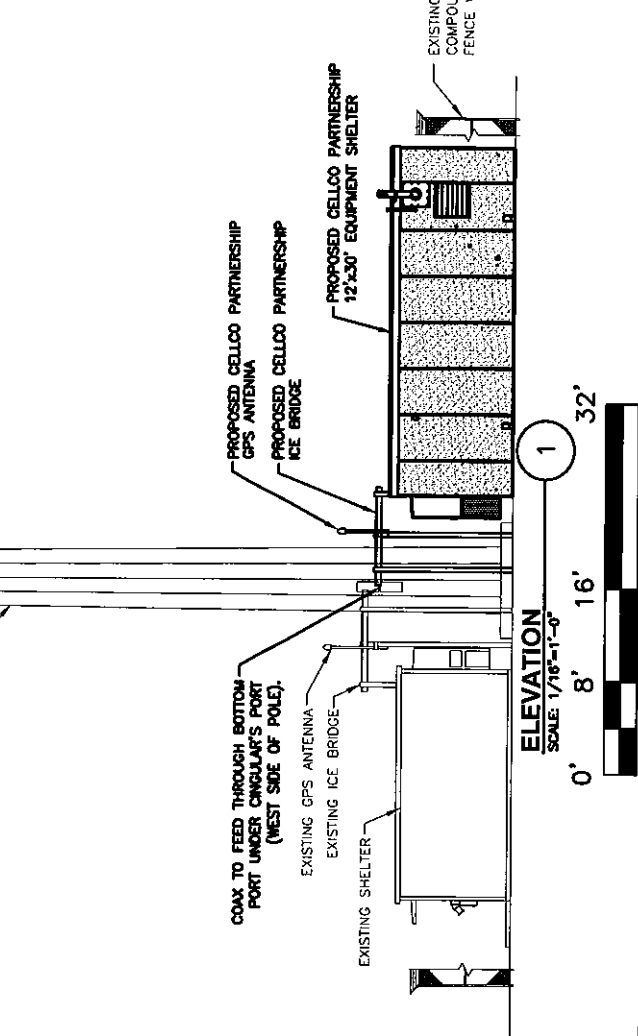
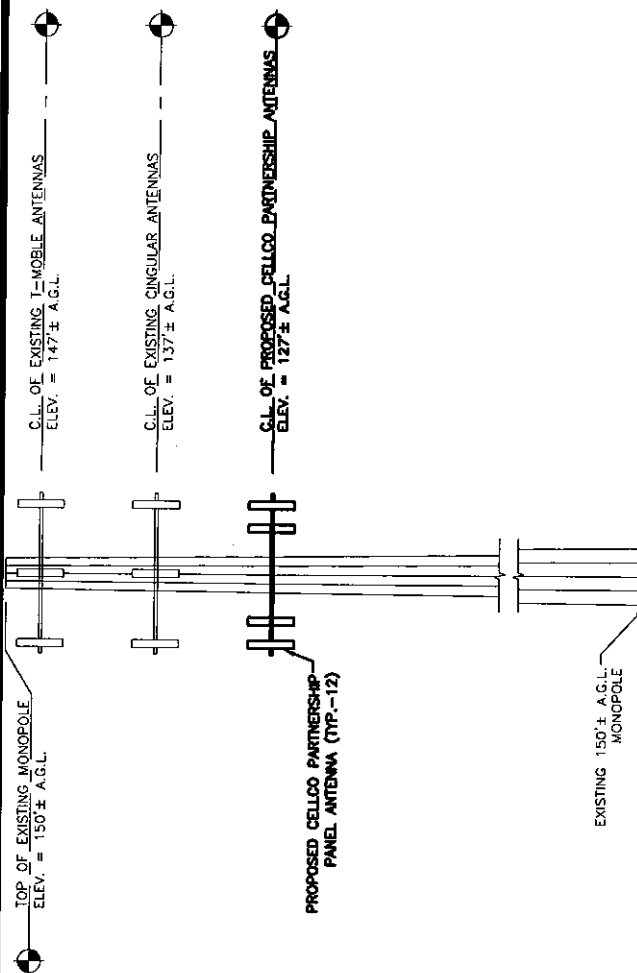
EXISTING 4' WIDE SWING GATE

PARTIAL SITE PLAN
SCALE: 1/16"=1'-0"



- NOTES:**
1. DRAWING IS SCHEMATIC. FINAL EQUIPMENT LOCATIONS, UTILITY ROUTING, ANTENNA TYPES, AND ANTENNA AZIMUTHS WILL BE FINALIZED UPON COMPLETION OF DESIGN.
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 3. ALL EXISTING INFORMATION IS FROM FIELD INVESTIGATIONS AND INFORMATION PROVIDED BY NATIONAL GRID WIRELESS FROM DRAWING TITLED "PLANS, ELEVATIONS, DETAILS, AND NOTES" AS PREPARED FOR TOWER VENTURES I, LLC BY WESTCOTT AND MAPES, INC.

<p>SCALE: AS SHOWN</p> <p>DESIGNED BY: CKD</p> <p>DATE: 07/31/06</p> <p>PROJECT NO. 4363-10</p>		<p>PARTIAL SITE PLAN</p> <p>SITE NAME: ASHFORD WEST 2 99 KNOWLTON HILL ROAD ASHFORD, CT</p>		<p>Cellco Partnership d.b.a. verizon wireless</p> <p>SHEET NO. S - 1</p> <p>PROJECT: 2006174157 LOCATION CODE: 172402</p>	
<p>Dewberry-Goodkind, Inc. A Dewberry Company 59 Elm Street, Suite 101 New Haven, CT 06510 P. (203) 776-2277 F. (203) 776-2288</p>		<p>Engineers Planners Surveyors</p>		<p>NO. DATE BY DESCRIPTION</p>	
0	10/12/06	CMS	FINAL SITING COUNCIL		
A	07/31/06	CMS	PRELIMINARY SITING COUNCIL		



- NOTES:**
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Dewberry-Goodkind, Inc. <small>A Dewberry Company</small> 59 Elm Street, Suite 101 New Haven, CT 06510 P. (203) 776-2277 F. (203) 776-2288		TOWER ELEVATION Celco Partnership d.b.a. verizon wireless	
SCALE: AS SHOWN	DESIGNED BY: CKD	SITE NAME: ASHFORD WEST 2	PROJECT: 2006174157
DATE: 07/31/06	PROJECT NO.: 4363-10	99 KNOWLTON HILL ROAD	LOCATION CODE: 172402
ENGINEERS: Saravjoo	PLANNERS: Saravjoo	ASHFORD, CT	SHEET NO. S - 2
NO.	DATE	BY	DESCRIPTION
0	10/12/06	CMS	FINAL SITING COUNCIL
A	07/31/06	CMS	PRELIMINARY SITING COUNCIL

General Power Density

Site Name: Ashford W 2, CT
 Cumulative Power Density

Operator	Operating Frequency (MHz)	Number of Trans.	ERP Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure (mW/cm ²)	Fraction of MPE (%)
T-Mobile	1890	6	205	1230	147	0.0205	1.0	2.05%
Cingular	1930	3	427	1281	137	0.0245	1.0	2.45%
Cingular	880	9	296	2664	137	0.0510	0.587	8.70%
VZW PCS	1970	3	485	1455	127	0.0324	1.0	3.24%
VZW	875	9	200	1800	127	0.0401	0.583	6.88%

Total Percentage of Maximum Permissible Exposure

23.33%

*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/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.



Guye Towers Self-Supporting Towers Micropoles RF Antenna Systems Turnkey Installations

August 18, 2006

Mr. Sean Gormley
National Grid Wireless
80 Central Street
Boxborough, MA 01719

Re: 150' monopole at Ashford, CT (Sabre #06-06307)

Dear Mr. Gormley,

As shown in our Structural Design Report #06-06307 dated June 29, 2006, the above referenced monopole and foundation were designed for a fastest-mile basic wind speed of 85 mph and 1/2" radial ice, in accordance with ANSI/TIA/EIA 222-F. They were designed to support the following equipment:

1. An additional 30' monopole section, bringing the total height to 180' above grade
2. Twelve (12) 6' x 1' x 3" panel antennas on a 12' L.P. platform at 177', with twelve (12) 1-5/8" lines
3. Twelve (12) 6' x 1' x 3" panel antennas on a 12' L.P. platform at 167', with twelve (12) 1-5/8" lines
4. Twelve (12) 6' x 1' x 3" panel antennas on a 12' L.P. platform at 157', with twelve (12) 1-5/8" lines
5. Twelve (12) 6' x 1' x 3" panel antennas on a 12' L.P. platform at 147', with twelve (12) 1-5/8" lines
6. Twelve (12) 6' x 1' x 3" panel antennas on a 12' L.P. platform at 137', with twelve (12) 1-5/8" lines
7. Twelve (12) 6' x 1' x 3" panel antennas on a 12' L.P. platform at 127', with twelve (12) 1-5/8" lines

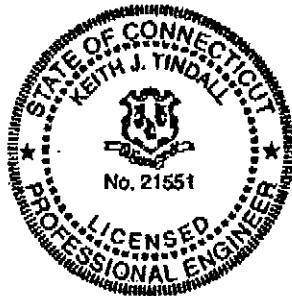
The current request is for the existing 150' monopole and foundation to support only the following:

1. Nine (9) RR90-18-xxDP antennas on a 12' L.P. platform at 147.5', with eighteen (18) 1-5/8" lines
2. Six (6) 7262.03 antennas on a 12' L.P. platform at 137', with twelve (12) 1-5/8" lines
3. Six (6) LPA-80080/8CF antennas and six (6) LPA185080/8CF_2 antennas on a 12' L.P. platform at 127', with twelve (12) 1-5/8" lines

With this revised equipment, the above referenced monopole and foundation are structurally adequate for the original design wind and ice criteria.

Sincerely,

Keith J. Tindall, P.E.
Vice President & Chief Engineer





STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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Daniel F. Caruso
Chairman

October 13, 2006

The Honorable Ralph H. Fletcher
First Selectman
Town of Ashford
Knowlton Memorial Town Hall
5 Town Hall Road
Ashford, CT 06278

RE: **EM-VER-003-061012** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 99 Knowlton Hill Road, Ashford, Connecticut.

Dear Mr. Fletcher:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Tuesday, October 31, 2006 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the Council by October 27, 2006.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP/laf

Enclosure: Notice of Intent

c: Richard Dziadus, Zoning Enforcement Officer, Town of Ashford