



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

www.ct.gov/csc

June 9, 2005

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

RE: **EM-VER-012-050428** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 49 South Street, Bolton, Connecticut.

Dear Attorney Baldwin:


At a public meeting held on June 8, 2005, 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 April 28, 2005, 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,


Pamela B. Katz, P.E.
Chairman

PBK/jkl

c: The Honorable Robert R. Morra, First Selectman, Town of Bolton
Bob Grillo, Zoning Enforcement Officer, Town of Bolton
Christopher B. Fisher, Esq., Cuddy & Feder, LLP
Christine Farrell, T-Mobile Inc.



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April 28, 2005

The Honorable Robert R. Morra
First Selectman
Town of Bolton
222 Bolton Center Road
Bolton, CT 06043

RE: **EM-VER-012-050428** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 49 South Street, Bolton, Connecticut.

Dear Mr. Morra:

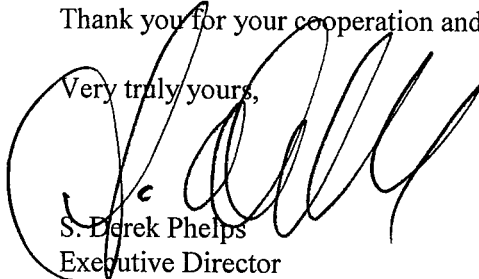
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for June 1, 2005 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by May 31, 2005.

Thank you for your cooperation and consideration.

Very truly yours,



S. Derek Phelps
Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Bob Grillo, Zoning Enforcement Officer, Town of Bolton

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

April 28, 2005

Via Hand Delivery

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

RECEIVED
APR 28 2005
CONNECTICUT
SITING COUNCIL

Re: **Notice of Exempt Modification**
49 South Street
Bolton, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing 120-foot monopole tower owned by AT&T Wireless at 49 South Street in Bolton, 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 Bolton First Selectman, Robert R. Morra.

The facility consists of a 120-foot self-supporting lattice tower capable of supporting multiple carriers within a fenced compound. The tower currently supports AT&T's antennas at the 118-foot level. T-Mobile received Council approval to install antennas at the 110-foot level on the tower in TS-T-Mobile-012-031114. T-Mobile has not constructed this facility and has recently abandoned this site location.

Cellco proposes to install twelve (12) panel-type antennas at the 107-foot level on the tower and a 12' x 30' single-story equipment shelter near the base of the tower. (See Tab 1- Project Plans).

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



Law Offices

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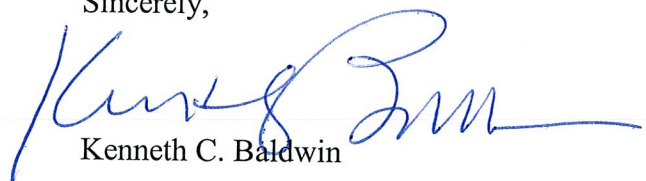
S. Derek Phelps
April 28, 2005
Page 2

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 107-foot level on the 120-foot tower.
2. The proposed installation of a 12' x 30' equipment shelter will not require an extension of the fenced compound or lease area.
3. The proposed antenna 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 worst-case RF power density calculations for the proposed Cellco antennas would be 11.64% of the FCC standard. A copy of the general power density calculations table is attached behind Tab 2.

Also attached, behind Tab 3, is a structural analysis confirming 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 Bolton facility tower constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,



Kenneth C. Baldwin

Attachments

cc: Robert R. Morra, First Selectman
Sandy M. Carter



Cellco Partnership

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

BOLTON EAST

49 SOUTH ROAD

BOLTON, CONNECTICUT 06043

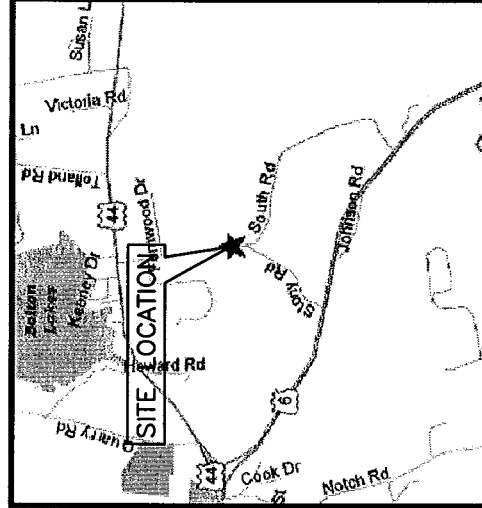
NOTE:
1. THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

STRUCTURAL NOTE:

1. 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 WITHOUT THE CONNECTICUT BUILDING CODE AND ALL APPLICABLE EIA/TIA CRITERIA. NO WORK PROPOSED HEREON SHALL BE PROGRESSED WITHOUT CONFIRMATION OF THIS CERTIFICATION.

DIRECTIONS:

I-84 E VIA THE RAMP ON THE LEFT TOWARD BOSTON. MERGE ONTO US-6 E. MERGE ONTO I-384 E VIA EXIT 59 TOWARD PROVIDENCE. I-384 E BECOMES US-6 E. TURN LEFT ONTO STONY RD. TURN SLIGHT LEFT ONTO SOUTH RD END AT 49 SOUTH RD, BOLTON, CT.



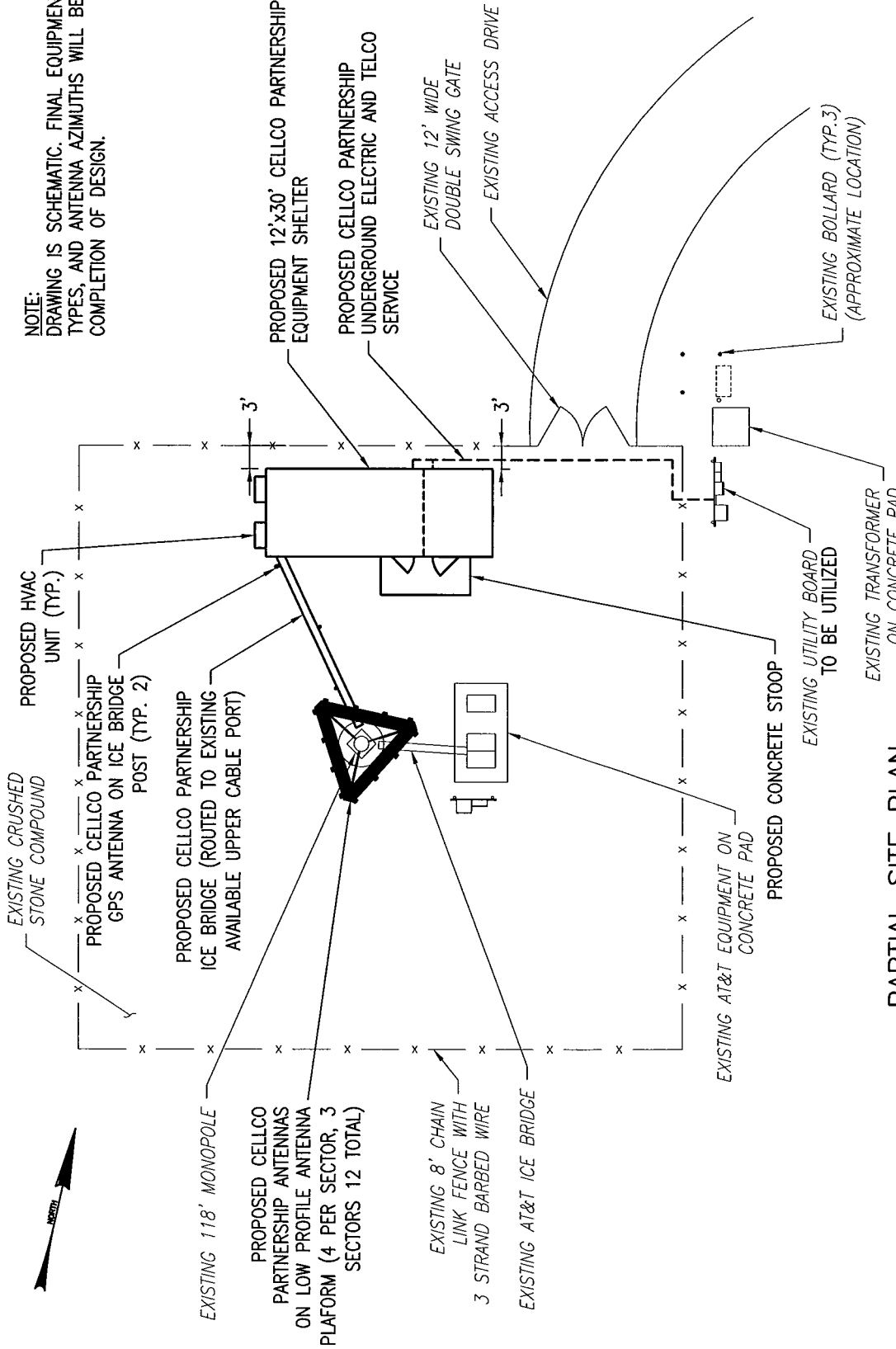
PROJECT SUMMARY	
SITE NAME:	BOLTON EAST
SITE ADDRESS:	49 SOUTH ROAD BOLTON, CONNECTICUT 06043
OWNER:	AT&T WIRELESS (CINGULAR)
LESSEE:	CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
APPLICANT:	CELCO PARTNERSHIP d.b.a. VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT 06108
CONTACT PERSON:	JOHN SPEER (201) 576-2416
COORDINATES:	LATITUDE: 41°-47'-20.4" N (NAD 83) LONGITUDE: 72°-25'-45.2" W (NAD 83) COORDINATES PER SITING COUNCIL WEB SITE

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.

Dewberry-Goodkind, Inc. A Dewberry Company 59 Elm Street, Suite 101 New Haven, CT 06510 P. (203) 776-2277 F. (203) 776-2288		SCALE: AS SHOWN	DESIGNED BY: CKD	DATE: 04/08/05	CELLCO Partnership d.b.a. verizon wireless
Engineers Planners Surveyors		TITLE SHEET			
PRELIMINARY SITING COUNCIL		PROJECT: 2001036318		SHEET NO. T-1	
NO. DATE BY DESCRIPTION		LOCATION CODE: 118028		SITE NAME: BOLTON EAST 49 SOUTH ROAD BOLTON, CONNECTICUT 06043	

NOTE:
DRAWING IS SCHEMATIC. FINAL EQUIPMENT LOCATIONS, ANTENNA TYPES, AND ANTENNA AZIMUTHS WILL BE FINALIZED UPON COMPLETION OF DESIGN.



PARTIAL SITE PLAN



<p>SCALE: AS SHOWN DESIGNED BY: CKD DATE: 04/08/05</p>		<p>Cellco Partnership d.b.a. verizon wireless</p>	
<p>Dewberry-Goodkind, Inc. A Dewberry Company 59 Elm Street, Suite 101 Newtown, CT 06456 P: (860) 776-2277 F: (860) 776-2288</p>		<p>PARTIAL SITE PLAN</p>	
<p>PRELIMINARY SITING COUNCIL</p>		<p>SITE NAME: BOLTON EAST 49 SOUTH ROAD BOLTON, CONNECTICUT 06043</p>	
<p>NO. DATE BY DESCRIPTION</p>		<p>PROJECT: 2001036318 LOCATION CODE: 118028</p>	
<p>A 04/08/05 JRF</p>		<p>SHEET NO. S-1</p>	

TOP OF MONOPOLE
 & EXISTING AT&T ANTENNAS
 118'

PROPOSED CELCO
 PARTNERSHIP ANTENNAS
 107 ± CENTERLINE

PROPOSED CELCO
 PARTNERSHIP COAX CABLES
 ROUTED IN MONOPOLE

NOTE:
 ANTENNA MOUNTING DETAILS TO BE
 DETERMINED UPON REVIEW OF
 EXISTING STRUCTURAL ELEMENTS

EXISTING 118'
 MONOPOLE

PROPOSED CELCO
 PARTNERSHIP ICE
 BRIDGE

PROPOSED CELCO PARTNERSHIP
 GPS ANTENNA ON ICE BRIDGE
 POST (TYP. 2)

EXISTING 8' HIGH
 FENCE W/3 STRAND
 BARBED WIRE

PROPOSED CELCO PARTNERSHIP
 EQUIPMENT SHELTER ON
 CONCRETE FOUNDATION

EXISTING AT&T
 EQUIPMENT

EXISTING
 POWER/TELCO

ELEVATION
 SCALE: 1" = 20'



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

SCALE:
 AS SHOWN
 DESIGNED BY:
 CKD
 DATE:
 04/08/05

**MONOPOLE
 ELEVATION**

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

SITE NAME: **BOLTON EAST
 49 SOUTH ROAD
 BOLTON, CONNECTICUT 06043**
 PROJECT: 2001036318
 LOCATION CODE: 118028

SHEET NO.
S-2

NO.	DATE	BY	DESCRIPTION
A	04/08/05	JRF	PRELIMINARY SITING COUNCIL

General Power Density

Site Name: Bolton East, CT
 Tower Height: 107 ft rad center

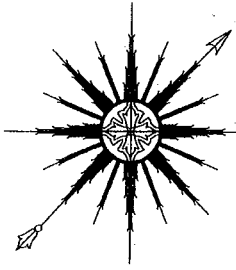
Operator	Operating Frequency (MHz)	Number of Trans.	ERP Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure (mW/cm ²)	Fraction of MPE (%)
Verizon	869	9	200	1800	107	0.0565	0.5793	9.76%
Verizon	1900	3	200	600	107	0.0188	1	1.88%
Total Percentage of Maximum Permissible Exposure								11.64%

*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 scenario, maximum values used.





ALL-POINTS TECHNOLOGY CORPORATION, P.C.

April 25, 2005

Verizon Wireless
99 East River Drive, 9th Floor
East Hartford, CT 06108

Attn: Wayne Lukachek
Re: 120' Monopole Tower, Bolton, CT
Verizon Site: Bolton East

Dear Wayne,

I am writing with regard to Verizon Wireless' proposed antennas to be installed on the subject 120' monopole tower located in Bolton, Connecticut.

According to design drawings prepared by Paul J. Ford & Company for PennSummit Tubular, LLC (P.J. Ford Job No. 29203-0231), the 120' tower is designed to support six antenna arrays.

My evaluation indicates that the tower and foundation are capable of supporting Verizon Wireless' proposed antenna array and associated waveguide cables in addition to current loads. Verizon's proposed installation of six Antel LPD 6513 and six Antel LPA 185063/8 panel antennas at 110' is within the original design capacity of the tower.

We appreciate this opportunity to provide our services to you. Please call if you have any questions.

Sincerely,
All-Points Technology Corporation, P.C.

Robert E. Adair, P.E.
Principal

CT141620 Bolton East ltr 4-25-05.doc

