

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

February 20, 2004

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

RE: **EM-VER-033-040129** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Christian Hill Road, Cromwell, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on February 18, 2004, 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 January 29, 2004. 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 Stanley A. Terry, Jr., First Selectman, Town of Cromwell
Frederic Curtin, Zoning Enforcement Officer, Town of Cromwell
Christopher B. Fisher, Esq., Cuddy & Feder LLP

ROBINSON & COLE LLP

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

January 29, 2004

Via Hand Delivery

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

RECEIVED
 JAN 29 2004

CONNECTICUT
 SITING COUNCIL

Re: **Notice of Exempt Modification**
Radisson Inn
Christian Hill Road
Cromwell, CT

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility on an existing sign support structure behind the Radisson Inn, Christian Hill Road in Cromwell, Connecticut. As described below, Cellco intends to add three (3) paging antennas to the sign structure. 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 Cromwell First Selectman, Stanley A. Terry, Jr.

The facility consists of an 83-foot self-supporting sign structure. This structure currently supports antennas of two wireless carriers (Cellco and AT&T Wireless). The equipment associated with these antennas is located within a fenced site compound near the base of the sign structure. Cellco antennas are located on the structure at approximately 88'-3" above ground level ("AGL"). AT&T antennas are located at approximately 98'-3" AGL. Cellco proposes to install three paging antennas (two (2) Celwave BA1010 and one (1) Decibel DB220) below their existing antenna platform at approximately 78'-3" AGL. (See Attachment 1- Project Plans).

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



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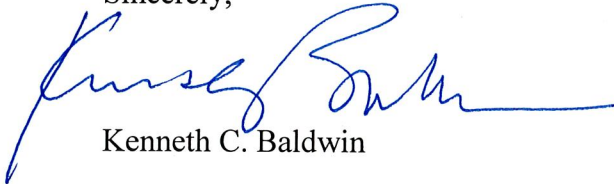
S. Derek Phelps
January 29, 2004
Page 2

1. The proposed modification will not increase the overall height of the existing structure. Cellco's paging antennas will be mounted with their centerline at the 78'-3" level on the 83-foot structure.
2. The proposed installation of the paging antennas 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 combined worst-case RF power density calculations for existing and proposed antennas would be 45.77% of the FCC standard (See Attachment 2).

Also included as Attachment 3 is an engineer's certification prepared by URS Corporation ("URS"), indicating the structure can accommodate existing and Cellco's paging antennas.

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

Sincerely,



Kenneth C. Baldwin

Attachments

cc: Stanley A. Terry, Jr., Cromwell First Selectman
Sandy M. Carter



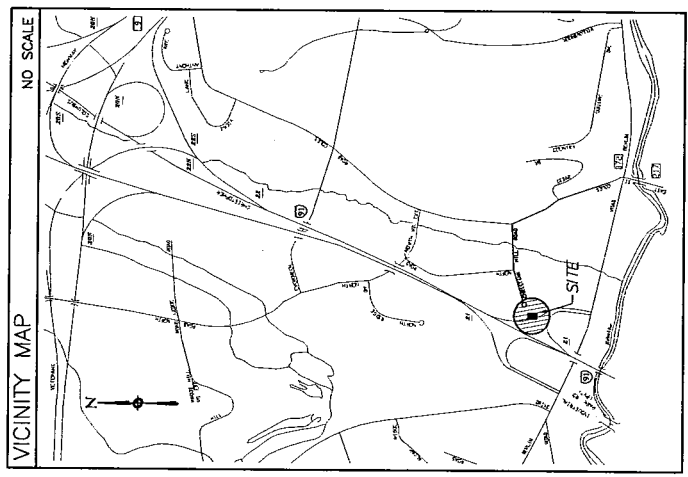
CELLCO PARTNERSHIP
DBA



verizon wireless

CROMWELL SW

**CHRISTIAN HILL ROAD
CROMWELL, CONNECTICUT**



PROJECT SUMMARY

SITE NAME:	CROMWELL SW
SITE ADDRESS:	CHRISTIAN HILL ROAD CROMWELL, CONNECTICUT
CONTACT PERSON:	CELLCO PARTNERSHIP DBA VERIZON WIRELESS 1900 WASHINGTON SUITE 1000 CROMWELL, CT 06418
COVERING CODE:	CONNECTICUT STATE BUILDING AND LIFE SAFETY CODE
APPLICANT:	CELLCO PARTNERSHIP DBA VERIZON WIRELESS EAST HARTFORD, CT 06108
ARCHITECT:	URS CORPORATION, A.E.S. 300 ENTERPRISE WAY ROCKY HILL, CT 06067
1/2" ENGINEER:	URS CORPORATION, A.E.S. 200 BROAD STREET, SUITE 5 ROCKY HILL, CT 06067
SURVEYOR:	URS CORPORATION, A.E.S. 300 ENTERPRISE WAY ROCKY HILL, CT 06067

LEGEND

SYMBOL	DESCRIPTION
	SECTION OR SERIAL NUMBER
	SHEET WHERE DATA/SECTION OCCURS
	ELEVATION NUMBER
	SHEET WHERE ELEVATION OCCURS

ABBREVIATIONS

MIN	MINIMUM
W.F.	WIRE IN FIELD
O.C.	ON CENTER
P.F.	POUND/SQUARE FOOT
TYP.	TYPICAL
TOC	TOP OF CONCRETE
TOW	TOP OF WALL

SHEET INDEX

SHEET NO.	DESCRIPTION
T-1	TITLE SHEET - GENERAL NOTES AND LEGENDS
SC-1	SITE PLAN, TOWER ELEVATION AND ANTENNA PLAN

CELLCO PARTNERSHIP
DBA
verizon wireless

URS CORPORATION A.E.S.
795 BROOK STREET, BLDG 5
ROCKY HILL, CONNECTICUT
06067-2682

AGE SOL

PROJECT NO.: 38921443

JOB NO.: VZ-059

DRAWN BY: CS

CHECKED BY:

ISSUED FOR

01-21-03	ISSUE COMMENCEMENT
01-28-04	ISSUE COMMENCEMENT

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IN THIS SET OF DOCUMENTS
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THE WRITTEN PERMISSION OF
URS CORPORATION.

CROMWELL SW
CHRISTIAN HILL ROAD
CROMWELL, CONNECTICUT

SCALE: AS NOTED

**TITLE SHEET -
GENERAL NOTES
AND LEGEND**

T-1

General Power Density

Site Name: Cromwell, CT
 Tower Height: 88.25 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	880	9	200	1800	88.25	0.0831	0.56733	14.65%
Verizon	1900	3	200	600	88.25	0.0277	1	2.77%
Verizon Paging	152.48	1	155	155	78.25	0.0091	0.10165	8.96%
Verizon Paging	158.7	1	222	222	78.28	0.0130	0.1058	12.31%
AT&T	1900	25	76	1900	98.25	0.0708	1	7.08%
Total Percentage of Maximum Permissible Exposure								45.77%

*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.





January 23, 2004

Ms. Pamela Katz, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Reference: Existing Telecommunications Facility
Verizon Wireless
Christian Hill Road
Cromwell, Connecticut
VZ1 059/ 36921460

Dear Ms. Katz:

URS Corporation (URS) conducted a structural review of the existing sign support structure located at Christian Hill Road in Cromwell, CT. The purpose of our review was to evaluate the effect of the proposed additional Verizon Wireless telecommunication antenna arrangement on the structure. The structure has recently undergone extensive analysis by URS. The structure and its foundation have been reinforced as a result of our recent analysis in order to comply with the current code requirements. The structure currently supports AT&T and Verizon Wireless telecommunication antennas between elevations 88'-4" and 98'-4" above grade. The structure is no longer used as a sign supporting structure. Verizon Wireless is proposing to add the following telecommunication antennas and mounts:

Antenna and Mount	Carrier	Antenna Center Elevation
(1) Decibel DB220 and (2) Colwave BA1010-1 antennas on a pipe mount with (3) 7/8" coaxial cables mounted outside of the steel structure.	Verizon Wireless	78'-4"

It is our determination that the existing structure and foundation are in compliance with the CT State Building Code and has the structural capacity to support the proposed additional Verizon Wireless antennas as specified above.

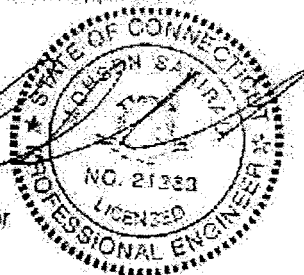
The above evaluation is based on the requirements of EIA/TIA-222 and the Connecticut State Building Code 1999, including the latest supplements and amendments.

If you should have any questions, please call.

Sincerely,

URS Corporation AES

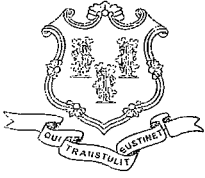
Mohsen Sahirad, P.E.
Senior Structural Engineer



MS/ddm

cc: Mark Gauger – Verizon Wireless
Rachel A. Mayo – Robinson & Cole LLP
Douglas Roberts, AIA - URS
CF/Book

URS Corporation
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8852
Fax: 860.529.3991



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May 13, 2003

Honorable Stanley A. Terry, Jr.
First Selectman
Town of Cromwell
41 West Street
Cromwell, CT 06416

RE: **EM-VER-033-040129** - Celco Partnership d/b/a Verizon Wireless notice of intent to modify existing telecommunications facilities located at Christian Hill Road, Cromwell, Connecticut.

Dear Mr. Terry:

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 tentatively scheduled for February 18, 2004, at 1:30 p.m., in Hearing Room Two, 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 "S. Derek Phelps".

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Frederic Curtin, Zoning Enforcement Officer, Town of Cromwell