

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

July 11, 2007

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

RE: **EM-VER-141-070614** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 720 Quinebaug Road, Thompson, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 3, 2007, 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 June 14, 2007, 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.

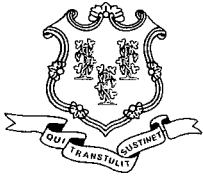
Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso
Chairman

DFC/MP/laf

- c: The Honorable A. David Babbitt, First Selectman, Town of Thompson
Meredith Robson, Town Manager, Town of Thompson
John E. Mahon, Jr., Zoning Enforcement Officer, Town of Thompson
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC
Quinebaug Volunteer Fire Department



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June 19, 2007

The Honorable A. David Babbitt
First Selectman
Town of Thompson
Town Office Building
815 Riverside Drive
P. O. Box 899
North Grosvenordale, CT 06255

RE: **EM-VER-141-070614** - Celco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 720 Quinebaug Road, Thompson, Connecticut.

Dear Mr. Babbitt:

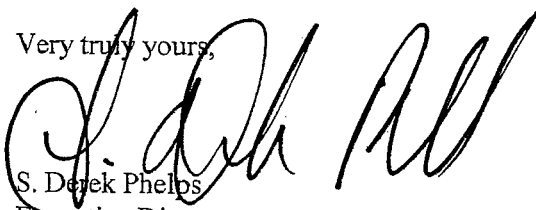
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Tuesday, July 3, 2007 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 June 28, 2007.

Thank you for your cooperation and consideration.

Very truly yours,



S. Derek Phelps
Executive Director

SDP/MP/laf

Enclosure: Notice of Intent

c: John E. Mahon, Jr., Zoning Enforcement Officer, Town of Thompson

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

EM-VER-141-070614

June 14, 2007

Via Hand Delivery

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

RECEIVED
JUN 14 2007

Re: **Notice of Exempt Modification**
720 Quinebaug Road
Thompson, Connecticut

CONNECTICUT
SITING COUNCIL

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing 120-foot self-supporting monopole tower owned by Quinebaug Volunteer Fire Department at 720 Quinebaug Road in Thompson, 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 Thompson First Selectman, A. David Babbitt. Pursuant to Council directive, a copy of this letter is being sent to Quinebaug Volunteer Fire Department, the owner of the property on which the tower is located.

The facility consists of a 125-foot self-supporting monopole tower capable of supporting multiple carriers within a fenced compound at 720 Quinebaug Road in Thompson. The tower is currently shared by AT&T with antennas at the 123-foot level on the tower and the Quinebaug Volunteer Fire Department with whip antennas at the top of the tower. Cellco intends to install twelve (12) panel-type antennas at the 113-foot level on the tower and place a 12' x 30' equipment shelter on the ground at 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 Thompson facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).



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HART1-1401675-1

S. Derek Phelps
June 14, 2007
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 113-foot level on the 125-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 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 antennas and Cellco antennas would be 28.08% of the FCC standard. A copy of cumulative power density calculations table is attached behind Tab 2.

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

Sincerely,



Kenneth C. Baldwin

Attachments

Copy to:

A. David Babbitt, Thompson First Selectman
Quinebaug Volunteer Fire Department
Sandy M. Carter



Cellco Partnership

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

QUINEBAUG

720 QUINEBAUG ROAD
QUINEBAUG (THOMPSON), CT 06262

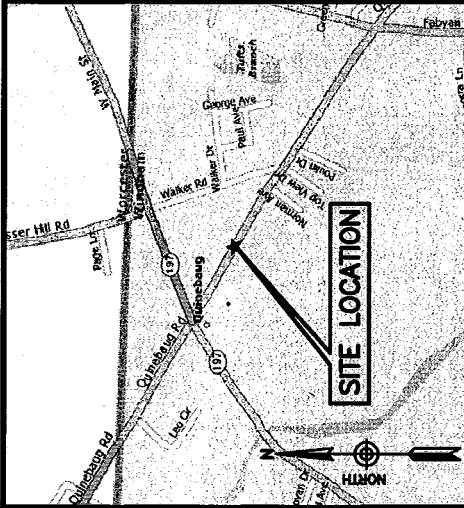
NOTE:
THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

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 EIA/TIA CRITERIA. NO WORK PROPOSED HEREON SHALL BE PROGRESSED WITHOUT CONFIRMATION OF THIS CERTIFICATION.

DIRECTIONS (FROM HARTFORD, CT):

TAKE I-84 EAST TO EXIT 73.
TURN RIGHT ONTO CT ROUTE 190.
TURN RIGHT ONTO CT ROUTE 171.
KEEP STRAIGHT ON CT ROUTE 197.
TURN RIGHT ONTO QUINEBAUG ROAD.



LOCATION MAP
QUINEBAUG (THOMPSON), CT
NTS

PROJECT SUMMARY

SITE NAME: QUINEBAUG
SITE ADDRESS: 720 QUINEBAUG ROAD
QUINEBAUG (THOMPSON), CT 06262
PROPERTY OWNER: QUINEBAUG VOLUNTEER FIRE DEPARTMENT, INC.
155 OLD TURNPIKE ROAD
QUINEBAUG (THOMPSON), CT 06262
TOWER OWNER: QUINEBAUG VOLUNTEER FIRE DEPARTMENT, INC.
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: 42°-01'-22.3" N (NAD 83)
LONGITUDE: 71°-56'-56.8" W (NAD 83)
COORDINATES PROVIDED BY
HAND HELD 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.

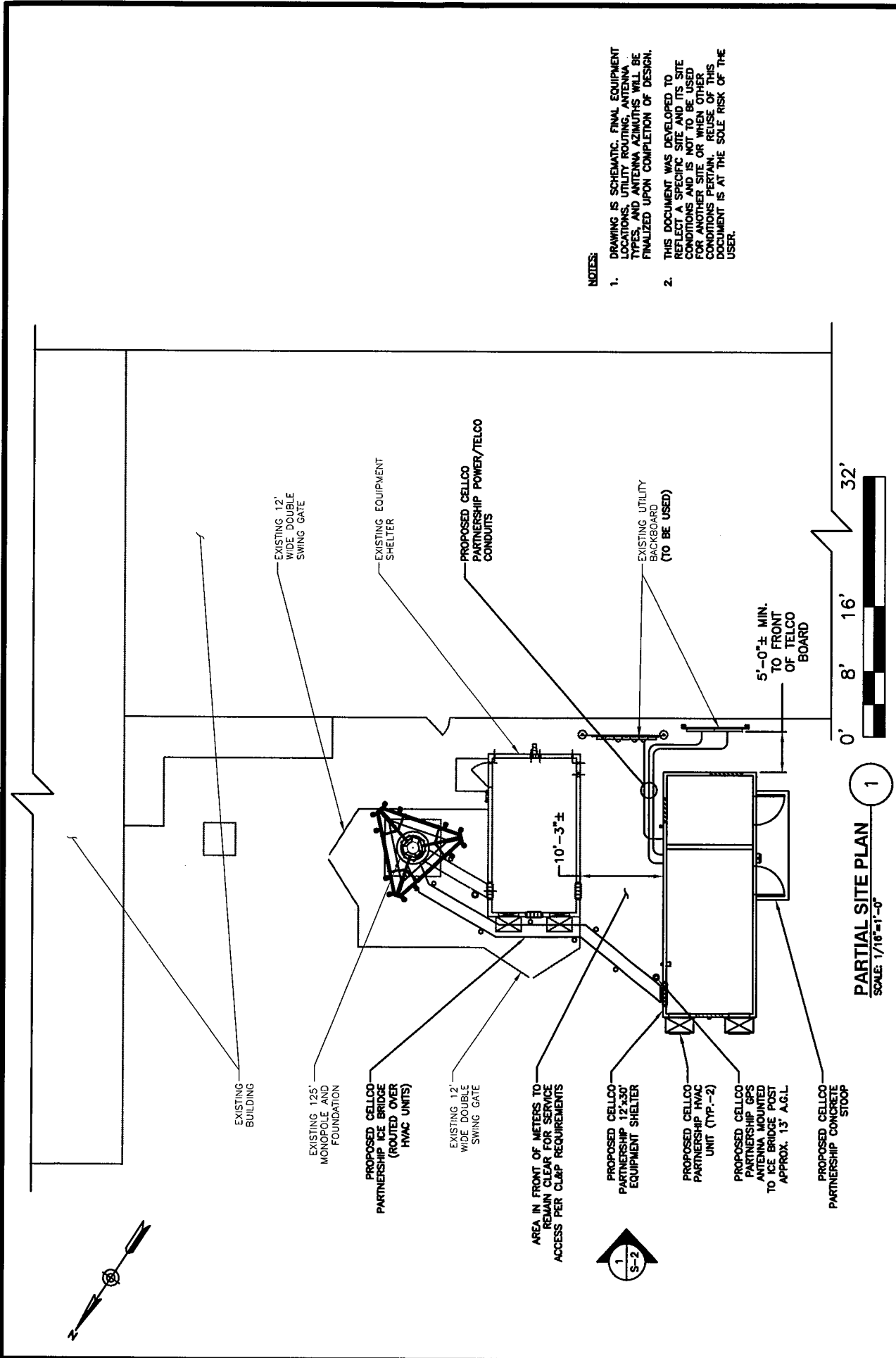
NO.	DATE	BY	DESCRIPTION
0	05/17/2007	CMS	FINAL SITING COUNCIL
A	04/17/2007	RFP	PRELIMINARY SITING COUNCIL

Dewberry
Dewberry-Goodkind, Inc.
59 ELM STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2288 FAX

SCALE: AS SHOWN
DESIGNED BY: RFP
DATE: 04/17/07
DCI PROJECT NO.: 50003173

TITLE SHEET
SITE NAME: QUINEBAUG ROAD
720 QUINEBAUG ROAD
QUINEBAUG (THOMPSON), CT 06262

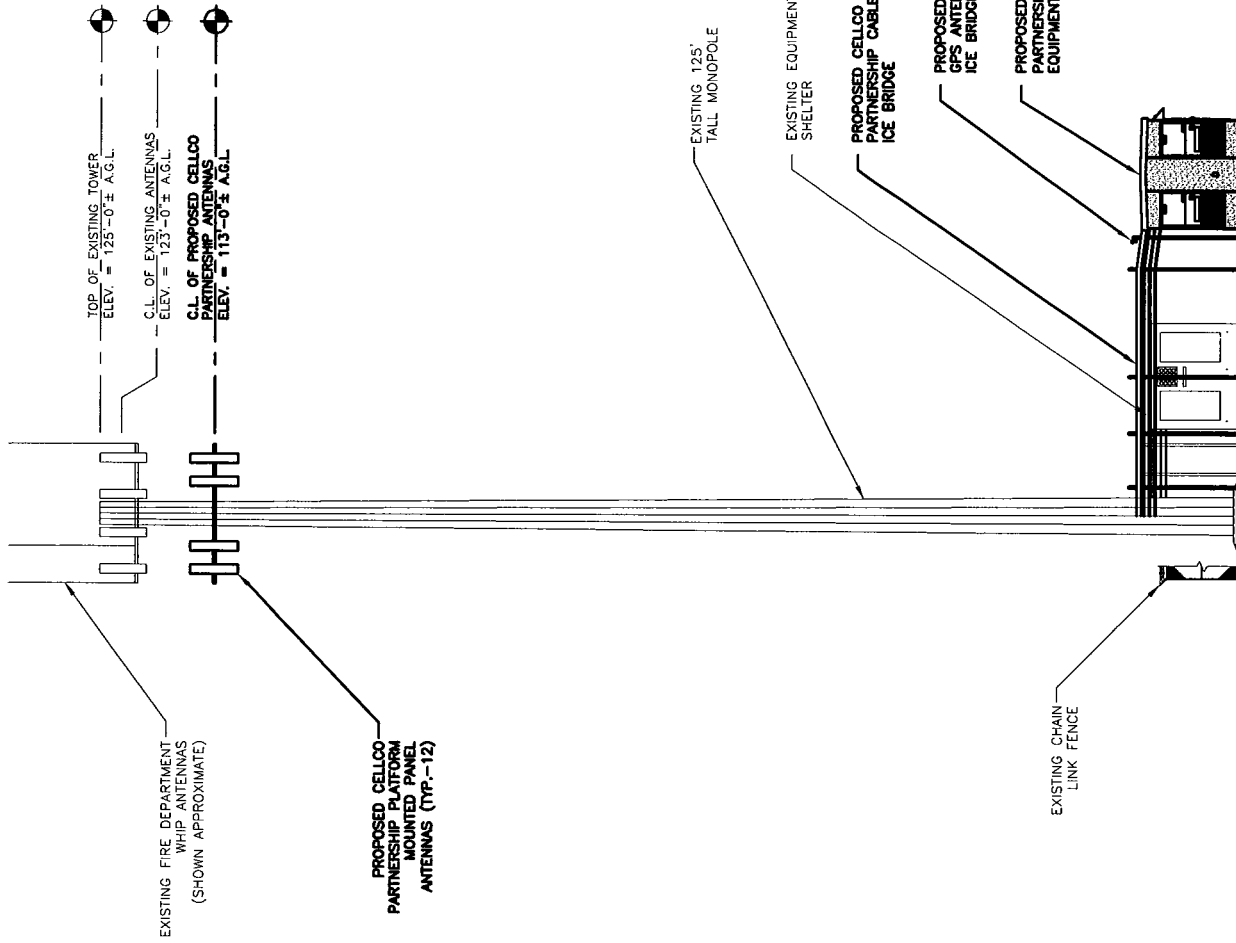
Cellco Partnership
d.b.a. **verizon** wireless
PROJECT: 2007212719
LOCATION CODE: 177176
SHEET NO. T-1



NOTES:

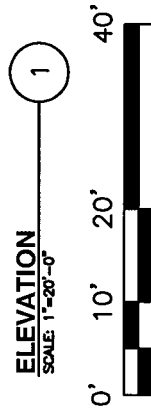
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2. THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

Dewberry Dewberry-Goodkind, Inc. 88 ELM STREET NEW HAVEN, CT 06510 203.776.2277 PHONE 203.776.2288 FAX		SCALE: AS SHOWN DESIGNED BY: RFP DATE: 04/17/07 DGI PROJECT NO. 50003173		SCALE: 1/16"=1'-0" 1	
PARTIAL SITE PLAN		Cellco Partnership d.b.a. verizon wireless		PROJECT: 2007212719 LOCATION CODE: 177176 SHEET NO. S-1	
SITE NAME: QUINEBAUG ROAD 720 QUINEBAUG ROAD QUINEBAUG (THOMPSON), CT 06262		PARTIAL SITE PLAN		PROJECT: 2007212719 LOCATION CODE: 177176 SHEET NO. S-1	
NO.	DATE	BY	DESCRIPTION		
0	05/17/2007	CMS	FINAL SITING COUNCIL		
A	04/17/2007	RFP	PRELIMINARY SITING COUNCIL		



NOTES:

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3. EXISTING PANEL ANTENNA ELEVATION SHOWN APPROXIMATE.
4. EXISTING WHIP ANTENNA ELEVATIONS ARE ESTIMATED & SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.



Dewberry
Dewberry-Goodkind, Inc.
95 ELIA STREET
SUITE 101
NEW HAVEN, CT 06510
203.776.2277 PHONE
203.776.2288 FAX

SCALE: AS SHOWN
DESIGNED BY: RFP
DATE: 04/17/07
DCI PROJECT NO. 50003173

TOWER ELEVATION

SITE NAME: QUINEBAUG ROAD
720 QUINEBAUG ROAD
QUINEBAUG (THOMPSON), CT 06262

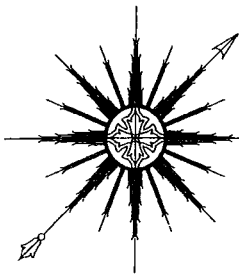
Cellco Partnership
d.b.a. **verizon wireless**

PROJECT: 2007212719
LOCATION CODE: 177176

SHEET NO. **S - 2**

NO.	DATE	BY	DESCRIPTION
0	05/17/2007	CMS	FINAL SITING COUNCIL
A	04/17/2007	RFP	PRELIMINARY SITING COUNCIL

Site Name: Quinebaug		General		Power		Density	
Tower Height: Verizon @ 113 Ft.							
Carrier	channels	ERP watt/ch	distance (feet)	S (mW/cm^2)	f (MHz)	Smax	Percent MPE
Quinebaug FD*	1	100	133	0.0020	155	0.2000	1.02
Cingular*	6	296	130	0.0378	880	0.5867	6.44
Cingular*	3	427	130	0.0273	1930	1.0000	2.73
Quinebaug FD*	1	100	90	0.0044	465	0.3100	1.43
Quinebaug FD*	1	100	70	0.0073	33.9	0.2000	3.67
Verizon	9	200	113	0.05072	875	0.5833	8.69
Verizon	3	485	113	0.04100	1970	1.0000	4.10
*Source: Siting Council Records						Total %MPE	28.08



ALL-POINTS TECHNOLOGY CORPORATION, P.C.

May 16, 2007

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

Attn: Brian Ragozzine
Re: 125' Monopole Tower, Thompson, CT
Verizon Site: Quinebaug

Dear Brian,

I am writing with regard to Verizon Wireless's proposed antennas to be installed on the 125' Valmont monopole tower located at the Quinebaug Fire Station in Thompson, Connecticut.

According to Valmont design drawings (Project No. QU12139), the tower is designed to support four 12-panel antenna arrays, one SD110 and two DB404 antennas. The tower currently supports one 6-panel antenna array and three small dipole and omnidirectional antennas. Verizon proposes to install twelve panel antennas on a low-profile platform at 113'. Waveguide cables will consist of twelve 1-5/8" lines installed inside the pole.

My evaluation finds the tower meets requirements of the Connecticut State Building Code and EIA/TIA-222 Revisions F & G with Verizon Wireless's proposed antennas and associated appurtenances. The proposed installation meets original design loads and the anticipated stress levels in the tower and foundation will be significantly less than design capacity.

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

CT1411100 Quinebaug 5-16-07 ltr.doc

