



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

March 7, 2005

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

RE: **EM-VER-041-050210** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 135 Honey Hill Road, East Haddam, Connecticut.

Dear Attorney Baldwin:

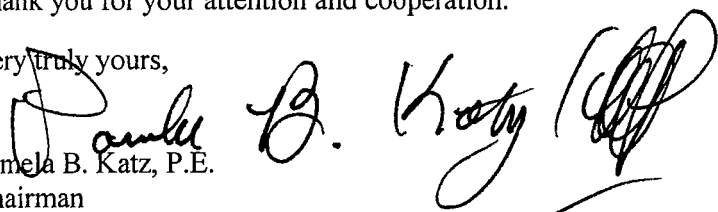
At a public meeting held on March 3, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated February 10, 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. 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: The Honorable Bradley P. Parker, First Selectman, Town of East Haddam
James Ventres, Land Use Administrator, Town of East Haddam
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Melanie Girton, Property Mangement Department, SpectraSite Communications Inc.
Thomas F. Flynn III, Nextel Communications Inc.

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

EM-VER-041-050210

February 10, 2005

Via Hand Delivery

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

RECEIVED
FEB 10 2005

CONNECTICUT
SITING COUNCIL

Re: **Notice of Exempt Modification**
135 Honey Hill Road
East Haddam, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing 150-foot monopole tower owned by SpectraSite at 135 Honey Hill Road in East Haddam, 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 East Haddam First Selectman, Bradley P. Parker.

The facility consists of a 150-foot self-supporting monopole tower capable of supporting multiple carriers within a fenced site compound. The tower is currently shared by Sprint at the 140-foot level and AT&T at the 120-foot level of the tower. Cellco proposes to install twelve (12) panel-type antennas at the 130-foot level on the tower and a 12' x 30' single-story equipment shelter near the base of the tower within the fenced site compound. (See Tab 1- Project Plans).

The planned modifications to the East Haddam 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 130-foot level on the 150-foot tower.



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S. Derek Phelps
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Page 2

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

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 cumulative worst-case RF power density calculations for the existing and proposed Cellco antennas would be 16.59% of the FCC standard. A copy of the cumulative power density calculations table is attached behind Tab2.

Also attached, behind Tab 3, is an engineer's certification 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 East Haddam facility tower constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,



Kenneth C. Baldwin

Attachments

cc: Bradley P. Parker, First Selectman
Sandy M. Carter



Cellco Partnership

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

EAST HADDAM 135 HONEY HILL ROAD EAST HADDAM, CONNECTICUT 06423

DIRECTIONS (FROM HARTFORD, CT):

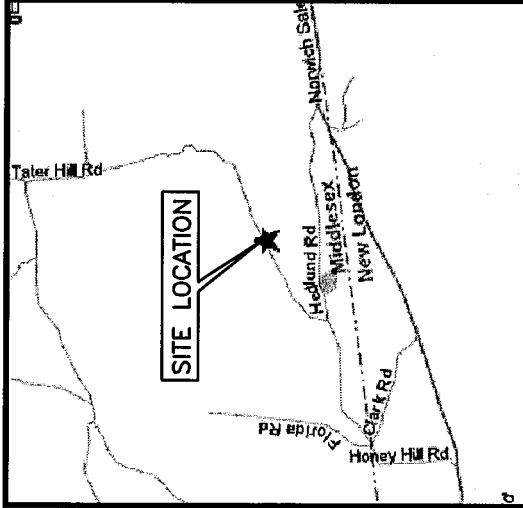
MERGE ONTO US-6 E/I-84 E VIA THE RAMP ON THE LEFT TOWARD BOSTON TAKE THE CT-82 EXIT, EXIT 4 - TOWARD SALEM/HADLYME. START OUT GOING NORTHEAST ON EAST RIVER DR. TAKE EXIT 55 TOWARD NORWICH/NEW LONDON. TAKE EXIT 19 TOW TURN SLIGHT RIGHT ONTO HEDLUND RD. TOWARD NEW LONDON. TURN RIGHT ONTO EAST HADDAM RD. TURN RIGHT ONTO HONEY HILL RD.

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



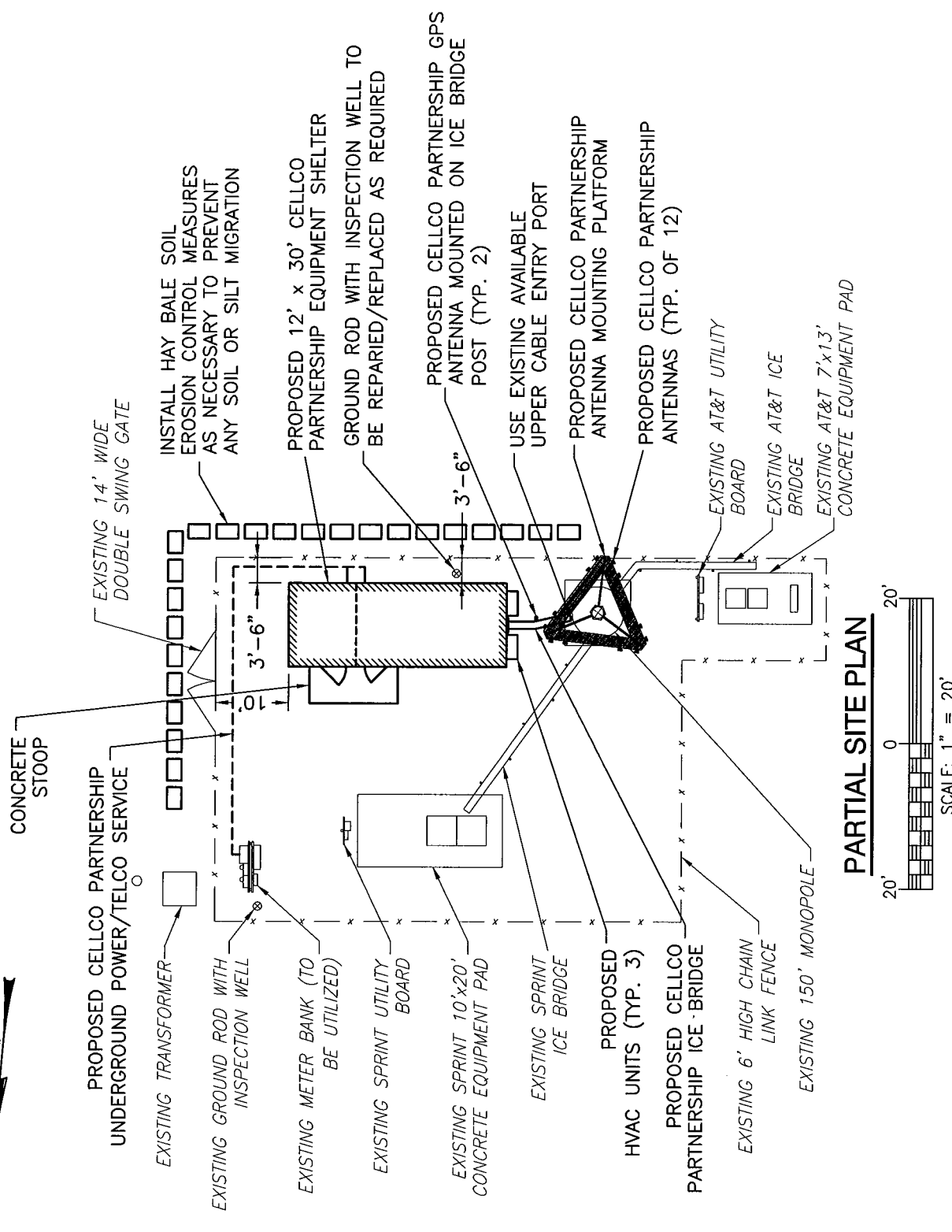
PROJECT SUMMARY

SITE NAME: EAST HADDAM
SITE ADDRESS: 135 HONEY HILL ROAD
 EAST HADDAM, CT 06423
OWNER: SPECTRASITE COMMUNICATIONS
 400 REGENCY FOREST
 CARY, NC 27511
 (888) 773-2872
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°-26'-13.2" N (NAD 83)
 LONGITUDE: 72°-21'-59.01" W (NAD 83)
 COORDINATES PROVIDED BY CELCO PARTNERSHIP RF ENGINEERING DEPARTMENT DATED 01/10/05

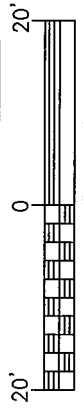
SHEET INDEX	
SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
S-1	PARTIAL SITE PLAN
S-2	MONOPOLE ELEVATION

NOTE:
DRAWINGS FOR SITING COUNCIL ONLY.
ONLY TO BE USED FOR CONSTRUCTION

SCALE: AS SHOWN		DESIGNED BY: CKD		DATE: 02/04/05	
Dewberry-Goodkind, Inc. A Dewberry Company 59 Elm Street, Suite 101 New Haven, CT 06510 P: (203) 776-2277 F: (203) 776-2288		Engineers Planners Surveyors		PROJECT: 2000017616 LOCATION CODE: 119662	
NO.		DATE		BY DESCRIPTION	
A		02/04/05		JRF PRELIMINARY SITING COUNCIL	
				CELLCO PARTNERSHIP d.b.a. verizon wireless	
				PROJECT: 2000017616 LOCATION CODE: 119662	
				SHEET NO. T-1	

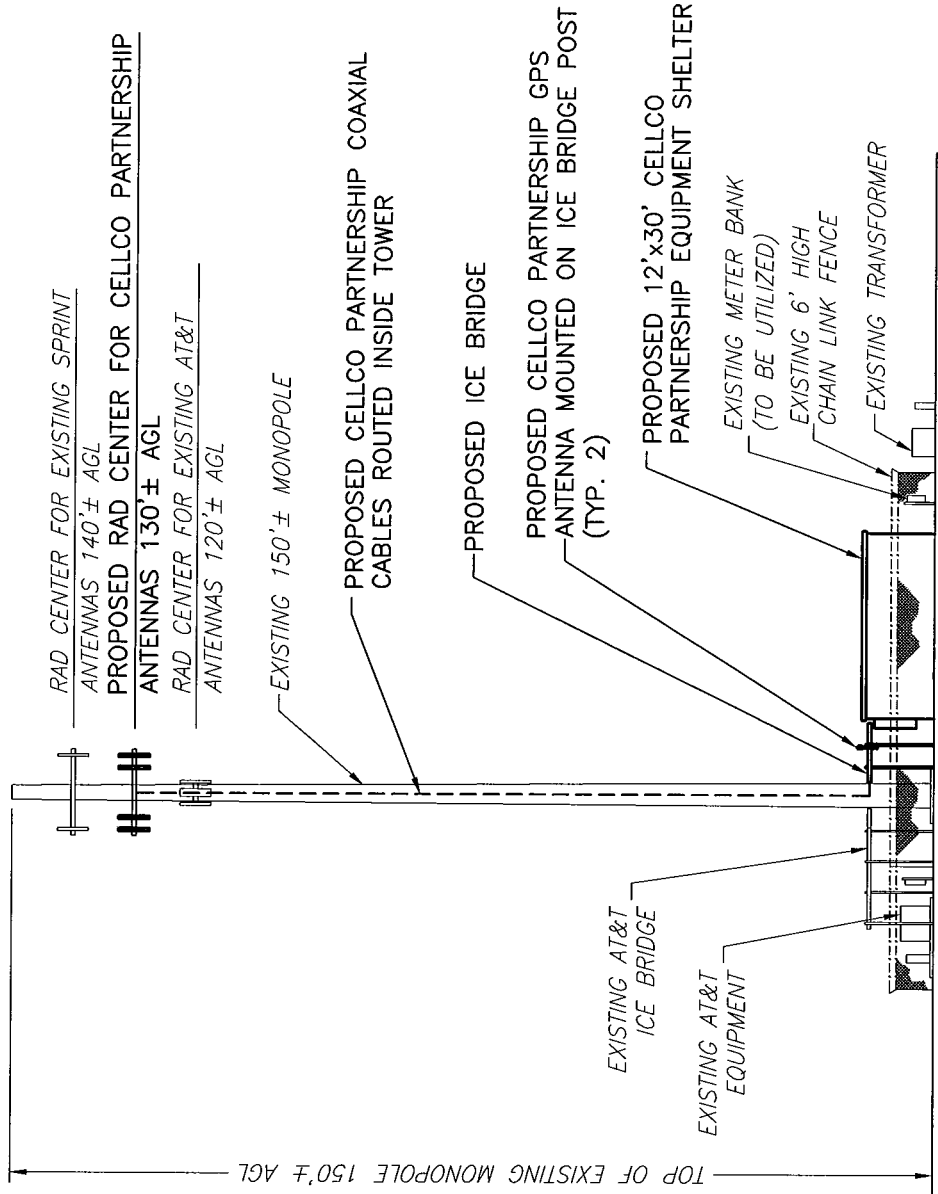


PARTIAL SITE PLAN

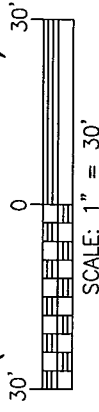


<p>Dewberry-Goodkind, Inc. A Dewberry Company 59 Elm Street, Suite 101 New Haven, CT 06510 P: (203) 776-2277 F: (203) 776-2288</p>		<p>SCALE: AS SHOWN</p>		<p>DESIGNED BY: CKD</p>	
<p>PLANNERS</p>		<p>DATE: 02/04/05</p>		<p>CONTRACT NO.: 2000017616</p>	
<p>SURVEYORS</p>		<p>PROJECT: EAST HADDAM 135 HONEY HILL ROAD EAST HADDAM, CONNECTICUT 08423</p>		<p>LOCATION CODE: 119662</p>	
<p>PRELIMINARY SITING COUNCIL</p>		<p>NO. A</p>		<p>DATE 02/04/05</p>	
<p>BY JRF</p>		<p>DESCRIPTION</p>		<p>SHEET NO. S-1</p>	

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



MONOPOLE ELEVATION
(LOOKING NORTH)



		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		MONOPOLE ELEVATION		Cellco Partnership d.b.a. verizon wireless	
		Engineers Planners Surveyors		DESIGNED BY: CKD				PROJECT: 2000017616	
				DATE: 02/04/05				SHEET NO. S - 2	
A		02/04/05	JRF	PRELIMINARY SITING COUNCIL					LOCATION CODE: 119662
NO.	DATE	BY	DESCRIPTION						

General Power Density

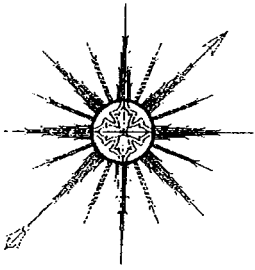
Site Name: East Haddam, CT
 Tower Height: 150 FT

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	130	0.0383	0.586	6.54%
Verizon	1900	3	200	600	130	0.0128	1	1.28%
Sprint	1900	11	200	2200	140	0.0404	1	4.04%
AT&T	1900	25	76	1900	120	0.0474	1	4.74%
Total Percentage of Maximum Permissible Exposure								16.59%

*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





ALL-POINTS TECHNOLOGY CORPORATION, P.C.

February 8, 2005

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

Attn: Wayne Lukachek
Re: 150' Monopole Tower, East Haddam, CT
Verizon Project #2000017616

Dear Wayne,

I am writing with regard to Verizon Wireless' proposed antennas to be installed on the subject 150' monopole tower located at 135 Honey Hill Road in East Haddam, Connecticut.

According to design drawings by Summit Manufacturing, LLC and Paul J. Ford & Company (P.J. Ford Job No. 29201-0876), the 150' tower is designed to support four 12-panel antenna arrays, with a future extension to 193' to accommodate two additional 12-panel arrays and one 6' microwave dish.

My evaluation indicates that the tower and foundation are capable of supporting Verizon Wireless' proposed antenna array and associated waveguide cables. The proposed installation of six DB844H90E-XY and six DB948F85T2E-M panel antennas is within the original design criteria, 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

CT141530 East Haddam ltr 2-8-05.doc

