



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

October 17, 2006

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

RE: **EM-VER-029-060925** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 382 Colebrook River Road, Colebrook, Connecticut.

Dear Attorney Baldwin:

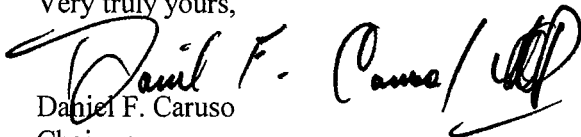
At a public meeting held on October 10, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated September 25, 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.

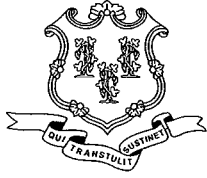
Thank you for your attention and cooperation.

Very truly yours,


Daniel F. Caruso
Chairman

DFC/MP/laf

- c: The Honorable Jerome F. Rathbun, First Selectman, Town of Colebrook
- Karl Nilsen, Zoning Enforcement Officer, Town of Colebrook
- Leonard D. Johnson
- Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
- Christopher B. Fisher, Esq., Cuddy & Feder LLP
- Michele G. Briggs, New Cingular Wireless PCS, LLC
- David Vivian, Site Development Manager, Gridcom



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E-Mail: siting.council@ct.gov

www.ct.gov/csc

September 26, 2006

The Honorable Jerome F. Rathbun
First Selectman
Town of Colebrook
Town Hall
558 Colebrook Road
P. O. Box 5
Colebrook, CT 06021

RE: **EM-VER-029-060925** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 382 Colebrook River Road, Colebrook, Connecticut.

Dear Mr. Rathbun:

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 October 10, 2006 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 October 9, 2006.

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/ap

Enclosure: Notice of Intent

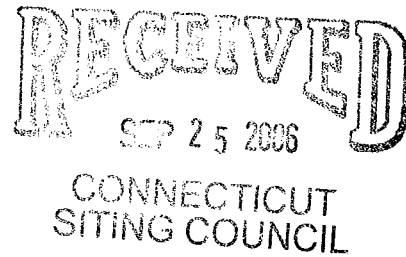
c: Karl Nilsen, Zoning Enforcement Officer, Town of Colebrook

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

September 25, 2006

Via Hand Delivery

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



Re: **Notice of Exempt Modification**
382 Colebrook River Road
Colebrook, 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 Leonard D. Johnson at 382 Colebrook River Road in Colebrook, 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 Colebrook First Selectman, Jerome F. Rathburn.

The facility consists of a 150-foot self-supporting monopole tower capable of supporting multiple carriers within a fenced compound at 382 Colebrook River Road in Colebrook. The tower is currently shared by Sprint Nextel at the 147-foot level and New Cingular Wireless at the 137-foot level on the tower. 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 Colebrook facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).



Law Offices

BOSTON

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NEW YORK CITY

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www.rc.com

HART1-1355817-1

S. Derek Phelps
September 25, 2006
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 127-foot level on the 150-foot tower.
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 18.76% 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

cc: Jerome F. Rathburn, Colebrook First Selectman
Sandy M. Carter



Cellco Partnership

d.b.a. verizon wireless

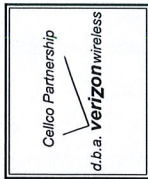
WIRELESS COMMUNICATIONS FACILITY

COLEBROOK

382 COLEBROOK RIVER ROAD

COLEBROOK, CT 06021

NO.	DESCRIPTION	DATE
01	ISSUED FOR PERMITTING	05/03/11
02	ISSUED FOR PERMITTING	05/03/11
03	ISSUED FOR PERMITTING	05/03/11
04	ISSUED FOR PERMITTING	05/03/11
05	ISSUED FOR PERMITTING	05/03/11
06	ISSUED FOR PERMITTING	05/03/11
07	ISSUED FOR PERMITTING	05/03/11
08	ISSUED FOR PERMITTING	05/03/11
09	ISSUED FOR PERMITTING	05/03/11
10	ISSUED FOR PERMITTING	05/03/11



COLEBROOK
382 COLEBROOK RIVER ROAD
COLEBROOK, CT 06021

PROJECT NO: 06086
DRAWN BY: DMD
CHECKED BY: CFC
SCALE: AS NOTED
DATE: 08/09/06

TITLE SHEET

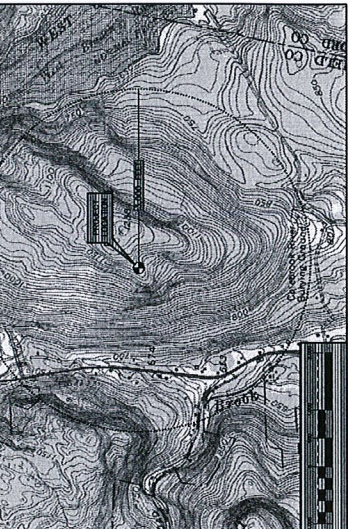
T-1
DWG. 1 OF 2

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	01
C-1	COMPOUND PLAN AND ELEVATION	01

GENERAL NOTES
1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY VERIZON WIRELESS.

PROJECT SCOPE
1. INSTALLATION OF TWO (2) VERIZON WIRELESS WIRELESS SHELTERS ON A CONCRETE FOUNDATION WITHIN THE EXISTING LOT.
2. TWELVE (12) PANEL ANTENNAS ARE PROPOSED TO BE MOUNTED ONTO THE EXISTING 150' MONOPOLE TOWER AT A RAD CENTER OF 150' FROM THE CENTER OF THE TOWER.
3. ELECTRIC AND TELCO UTILITIES SHALL BE ROUTED UNDERGROUND TO THE ANTENNAS. ALL UTILITIES SHALL BE LOCATED WITHIN THE PROPOSED WORK AREA AND SHALL BE IDENTIFIED TO THE PROPOSED WORK AREA.

FROM:	TO:
99 EAST RIVER DRIVE, EAST HARTFORD, CONNECTICUT	382 COLEBROOK RIVER ROAD, COLEBROOK, CONNECTICUT
--MERGE ONTO US-6 W. / US-44 / US-8 W. / US-9 W. / MAIN STREET --LEFT SLIGHT RIGHT TO GO ONTO WILKINSON STREET / US-44 / MAIN STREET --TURN SLIGHT RIGHT TO GO ONTO US-44 / MAIN STREET, CONTINUE TO FOLLOW US-44 W. --TURN LEFT ONTO RIVERVIEW ROAD / CT-20, CONTINUE TO FOLLOW RIVER ROAD. --TURN LEFT ONTO COLLETTVILLE ROAD, RIVER ROAD --END AT 382 COLEBROOK RIVER ROAD 0.2 MI. 0.1 MI. 0.1 MI. 0.1 MI. 0.2 MI. 0.1 MI. 0.1 MI. 0.2 MI. 0.1 MI.	



PROJECT SUMMARY

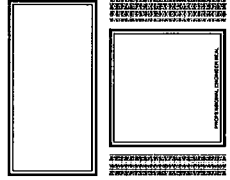
SITE NAME: COLEBROOK
SITE ADDRESS: 382 COLEBROOK RIVER ROAD, COLEBROOK, CT 06021
SITE LOCATION: LATITUDE 41°-55'-30.4", LONGITUDE 72°-02'-24.1", UTM COORDINATES AND ELEVATION BASED ON C82 WEB LOG, LAST UPDATED ON 07/27/06.
PROPERTY OWNER: LEONARD D. JOHNSON, COLEBROOK, CT 06021
LESSEE/TENANT: CELLCO PARTNERSHIP, 99 EAST RIVER DRIVE, EAST HARTFORD, CT 06108
CONSTRUCTION CONTACT: MARK GAUBER (VERIZON) 866-803-8240
ASSESSOR'S PARCEL NO.: MAP 23, LOT 13

NO.	DATE	REVISIONS
01	08/09/06	ISSUE FOR PERMITTING
02	08/09/06	FOR REVIEW
03	08/09/06	FOR REVIEW
04	08/09/06	FOR REVIEW
05	08/09/06	FOR REVIEW
06	08/09/06	FOR REVIEW
07	08/09/06	FOR REVIEW
08	08/09/06	FOR REVIEW
09	08/09/06	FOR REVIEW
10	08/09/06	FOR REVIEW

Cellco Partnership
d.b.a. Verizon Wireless

NATCOM
Engineering, LLC - Engineering Consultants
1100 Main Street, Suite 200
Westport, CT 06880
Tel: (203) 426-8800
Fax: (203) 426-8807

Netscomm, L.L.C.
1237 North Street, Suite 200
Westport, Connecticut 06880
Tel: (203) 426-8800
Fax: (203) 426-8807
Contract & Project Management
Cellco Partnership - Project Management
Cellco Partnership - Project Management

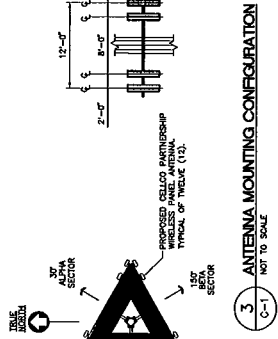
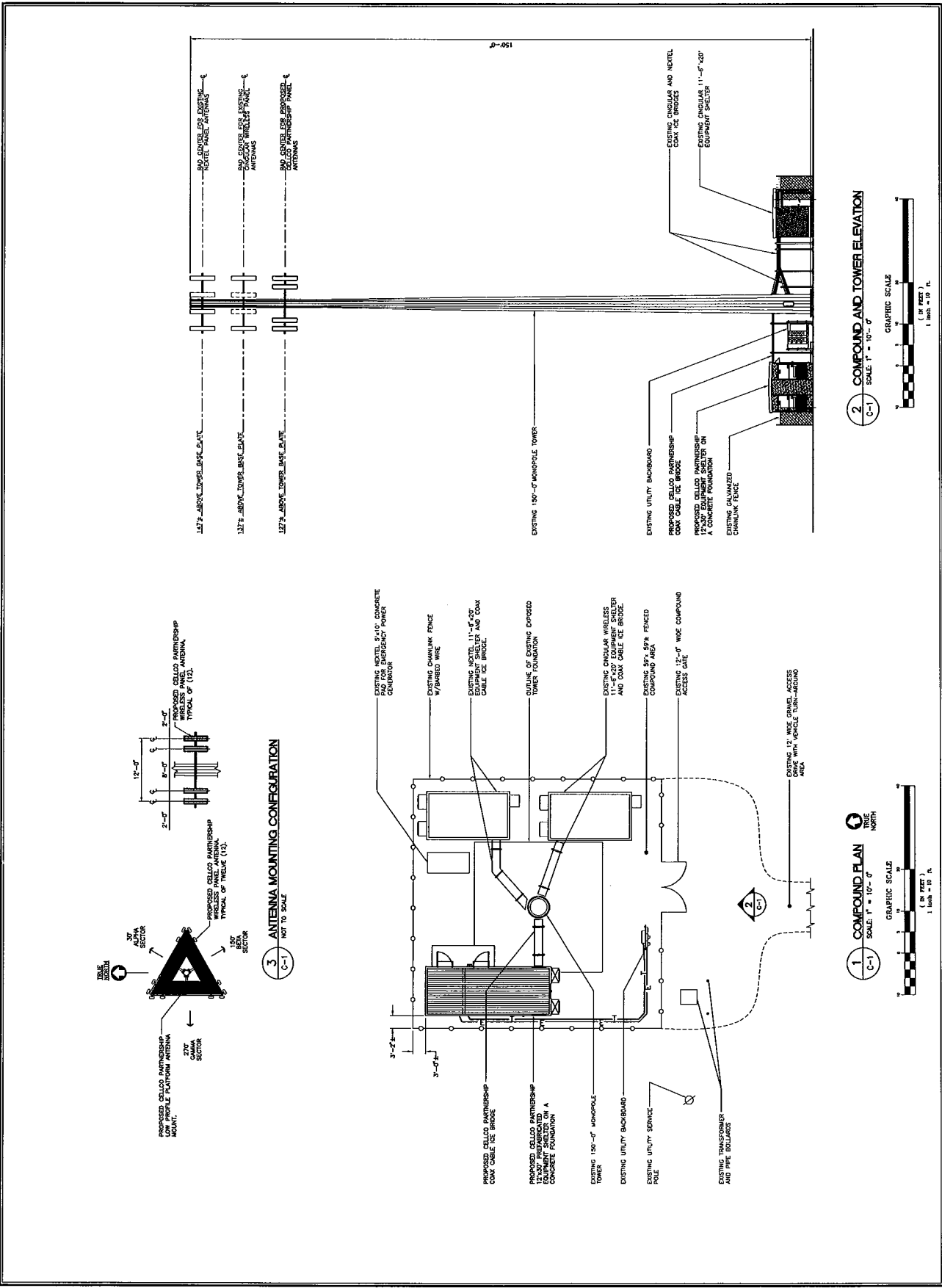


COLEBROOK
380 COLEBROOK RIVERS ROAD
COLEBROOK, CT 06221

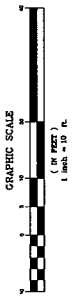
PROJECT NO: 08006
DRAWN BY: DMD
CHECKED BY: CFC
SCALE: AS NOTED
DATE: 08/09/06

**COMPOUND
PLAN AND
ELEVATION**

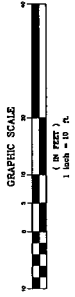
C-1
DWG. 2 OF 2



2 COMPOUND AND TOWER ELEVATION
C-1
SCALE: 1" = 10'-0"



1 COMPOUND PLAN
C-1
SCALE: 1" = 10'-0"



General Power Density

Site Name: Colebrook, CT
 Tower Height: VZW @ 127 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	1900	6	256	1536	127	0.0342	1	3.42%
Nextel	851	24	100	2400	148	0.0394	0.5673	6.95%
Cingular	880	6	296	1776	137.5	0.0338	0.5673	5.95%
Cingular	1900	3	427	1281	137.5	0.0244	1	2.44%
Total Percentage of Maximum Permissible Exposure								18.76%

*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





PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS
250 East Broad Street • Suite 1500 • Columbus, Ohio 43215

August 29, 2006

National Grid Wireless
80 Central Street
Boxborough, MA 01719

Attn: Sean Gormley

Re: Existing 150-ft Monopole
Located in Litchfield Co., CT: Site #CT-03108 - Colebrook
PJF Project #29206-277 / PST #24458

Dear Mr. Gormley:

Paul J. Ford and Company understands that Verizon Wireless proposes to collocate on the above referenced monopole. Paul J. Ford and Company provided monopole and foundation design drawings to PennSummit Tubular, LLC per PJF project #29205-113, dated 05-24-2005. The monopole was designed for an 80 mph basic wind velocity for the following antenna loading:

Table 1 - Design Antenna Configuration

Elevation	Description
147'	(12) 72" x 12" x 3" Panel 14' Low Profile Platform
137'	(12) 72" x 12" x 3" Panel 14' Low Profile Platform
127'	(12) 72" x 12" x 3" Panel 14' Low Profile Platform
117'	(12) 72" x 12" x 3" Panel 14' Low Profile Platform
107'	(12) 72" x 12" x 3" Panel 14' Low Profile Platform
97'	(12) 72" x 12" x 3" Panel 14' Low Profile Platform

For this structural review, we were provided with antenna information regarding the existing and proposed antennas. Based on information provided, it is our understanding that the following antenna loading is to be considered for this structural review:

COLUMBUS, OHIO
(614) 221-6679
Fax (614) 448-4105

• ATLANTA, GEORGIA •
(404) 266-2407
Fax (404) 869-4608

• ORLANDO, FLORIDA
(407) 898-9039
Fax (407) 897-3662

• An Employee-Owned Company •

August 29, 2006

Page 2 of 2

National Grid Wireless

Attn: Sean Gormley

Re: Existing 150-ft Monopole

Located in Litchfield Co., CT: Site #CT-03108 - Colebrook

PJF Project #29206-277 / PST #24458

Table 2 - Proposed Antenna Configuration

Status	Elevation	Description	Owner
Existing	147'	(12) Decibel DB846G90 Panel 14' Low Profile Platform	Nextel
Existing	137.5'	(6) Powerwave 7770 Panel w/ (6) TMA's 14' Low Profile Platform	Cingular
Proposed	127'	(12) Antel LPA-185080/12 Panel 14' Low Profile Platform	Verizon

For this structural review we have compared design wind areas with those from the existing and proposed antennas. Based on our comparison we have concluded that the existing and proposed antenna wind area will not exceed that of the original design. Therefore, the existing monopole and foundation will be capable of supporting the new antennas.

If you have any questions or concerns regarding the review of this monopole structure, please feel free to contact us at (614) 221-6679.

Sincerely,

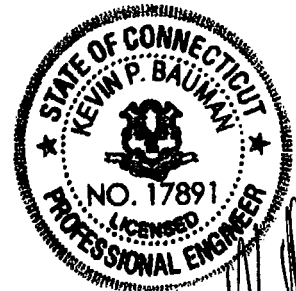
PAUL J. FORD AND COMPANY



Michael F. Plahovinsak, P.E.

Project Manager

e-mail: mplahovinsak@pjfweb.com



Kevin P. Bauman, P.E.

Department Manager