



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 13, 2006

Steven Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-029-060224** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 382 Colebrook River Road, Colebrook, Connecticut.

Dear Mr. Levine:

At a public meeting held on March 8, 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 February 24, 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,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: The Honorable Jerome F. Rathbun, First Selectman, Town of Colebrook
Karl Nilsen, Zoning Enforcement Officer, Town of Colebrook
Thomas F. Flynn III, Nextel Communications, Inc.
David Vivian, Site Development Manager, Gridcom



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February 28, 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-CING-029-060224** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 382 Colebrook River Road, Colebrook, Connecticut.

Dear Mr. Rathbun:

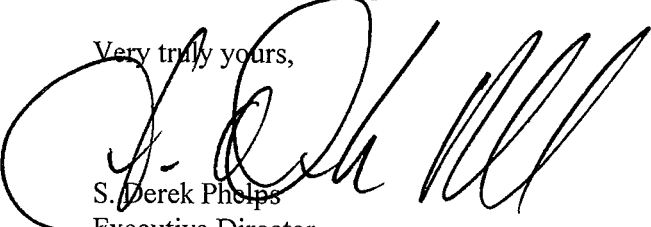
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Wednesday, March 8, 2006 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 March 7, 2006.

Thank you for your cooperation and consideration.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/ap

Enclosure: Notice of Intent

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

ORIGINAL



New Cingular Wireless PCS, LLC
500 Enterprise Drive Rocky Hill,
Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

February 24, 2006

RECEIVED
FEB 24 2006

Ms. Pam Katz, Chairman, and
Members of the Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

CONNECTICUT
SITING COUNCIL

**Notice of Exempt Modification – Existing National Grid Wireless Telecommunications
Tower Facility at 382 Colebrook River Road, Colebrook, Connecticut**

Dear Chairman Katz and Members of the Council:

New Cingular Wireless PCS, LLC (“Cingular”) intends to install telecommunications antennas and associated equipment at an existing multicarrier telecommunications tower off Colebrook River Road in Colebrook, Connecticut. Cingular operates under licenses issued by the Federal Communications Commission (“FCC”) to provide cellular and PCS mobile telephone service in Litchfield County, which includes the area to be served by Cingular’s proposed installation.

Please accept this letter as notification to the Council, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the 1st Selectman of Colebrook.

Existing Facility

The Colebrook facility is located at 382 Colebrook River Road, which lies just east of CT Rte 8, about 5 miles north of its intersection with US Hwy 44. Tower coordinates (NAD 83) are N 41° 59’ 31” and W 73° 02’ 24”. The landowner is Leonard Johnson of Colebrook.

The Colebrook facility was approved by the Council on February 2, 2005 in Docket 296 under an application by Tower Ventures II, LLC (now operating as National Grid Wireless).

The tower facility consists of a 150-foot monopole within a 60’ x 60’ compound surrounded by a chain link fence. Nextel (Sprint) intervened in the Council proceedings for Docket 296 and was approved to co-locate at the facility. Nextel (Sprint) alone currently operates wireless communications equipment at the facility.

Proposed Modifications

Attached to this Notice are a site location map, a site plan, tower profile, and a structural analysis report that shows the tower is structurally capable of supporting the proposed Cingular telecommunications equipment.

As shown on the attached drawings and as further described below, Cingular proposes to install up to six Powerwave 7770.00-panel antennas, or their functional equivalents, at a centerline height of 137.5 feet above ground level. Cingular also proposes to place an 11½' x 20' prefabricated concrete equipment building in the existing compound at the base of the tower.

Statutory Considerations

The changes to the Colebrook tower facility do not constitute a modification as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2) because they will not result in any substantial adverse environmental effect.

1. The height of the overall structure will be unaffected.
2. The proposed changes will not affect the property boundaries. All new construction will take place on property leased by NGW and within the existing fence.
3. The proposed additions will not increase the noise level at the existing facility by six decibels or more.
4. Operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to or above the standard adopted by the State of Connecticut and the FCC. The "worst-case" exposure calculation in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at the base of the tower in relation to the operation of the proposed antenna array is as follows:

Company	Centerline Height (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density [†] (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Nextel (Sprint) *	147.5	851	12	100	0.0198	0.5673	3.50
Cingular	137.5	880 - 894	6	296	0.0338	0.5867	5.76
Cingular	137.5	1930 - 1935	3	427	0.0244	1.0000	2.44
Total							11.69%

* Power density parameters from Siting Council records.

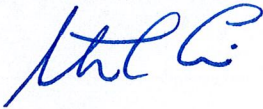
† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.

As the table demonstrates, the cumulative "worst-case" exposure would be approximately 11.7 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the tower facility would thus be within applicable standards.

For the foregoing reasons, Cingular respectfully submits that proposed changes at the Colebrook site constitute an exempt modification under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7636 or Christopher Fisher, Esq. at (914) 761-1300 with questions concerning this notice. Thank you for your consideration in this matter.

Respectfully yours,



Steven Levine
Real Estate Consultant

Enclosures

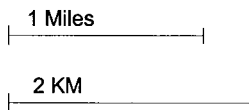
cc: Honorable Jerome F. Rathbun, 1st Selectman, Town of Colebrook
Michele G. Briggs, Manager of Real Estate
Christopher B. Fisher, Esq.

Colebrook - Colebrook River Road



Mag 13.00
Tue Feb 14 15:16 2006

Scale 1:62,500 (at center)



- Local Road
- Major Connector
- State Route
- Walkway/Stairway
- Trail

Lake Mendonough

RAD. CENTER: 137.5 FT. (AGL)

20 0 20



(SCALE IN FEET)

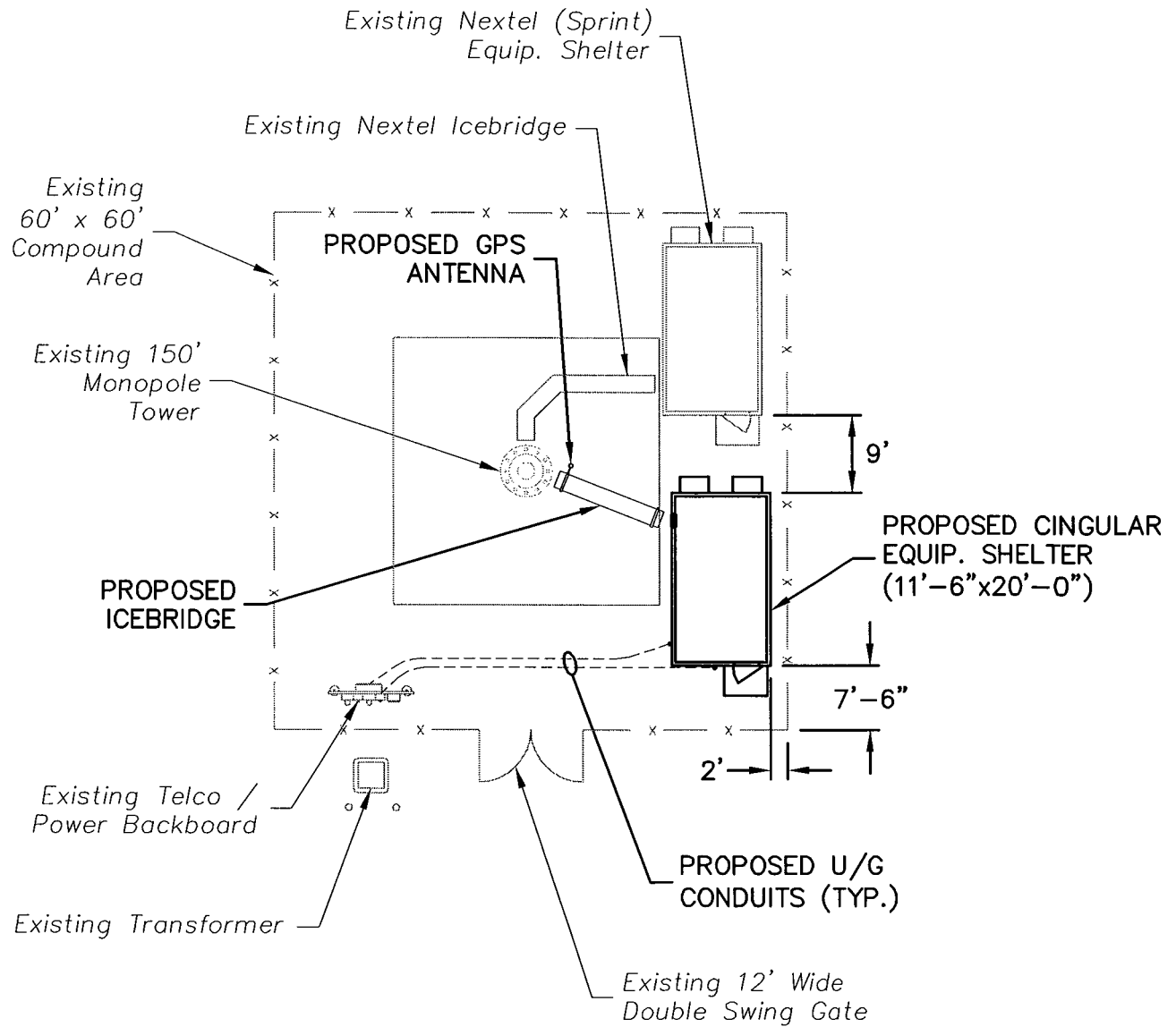


EXHIBIT 1A PLAN VIEW

DESIGN EXHIBIT		SITE NAME: NGC TOWER - COLEBROOK		MGI #: 17206
		ADDRESS: 382 COLEBROOK RIVER ROAD COLEBROOK, CT 06021		TASK #: 1305
Maguire Group Inc. Architects Engineers Planners One Court Street New Britain, Connecticut 06051		DRAWN: AMC	CHECKED: GMP	SCALE: 1"=20'
		THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED		
				DATE: 2/10/06

RAD. CENTER: 137.5 FT. (AGL)

30 0 30



(SCALE IN FEET)

Existing Nextel (Sprint) Antennas
Rad. Center 147.5' A.G.L.

PROPOSED CINGULAR ANTENNAS
RAD. CENTER 137.5' A.G.L.

Existing 150'
Monopole Tower

GPS ANTENNA

PROPOSED ICEBRIDGE

PROPOSED CINGULAR EQUIP.
SHELTER (11'-6"x20'-0")

Existing Nextel
(Sprint) Equip.
Shelter

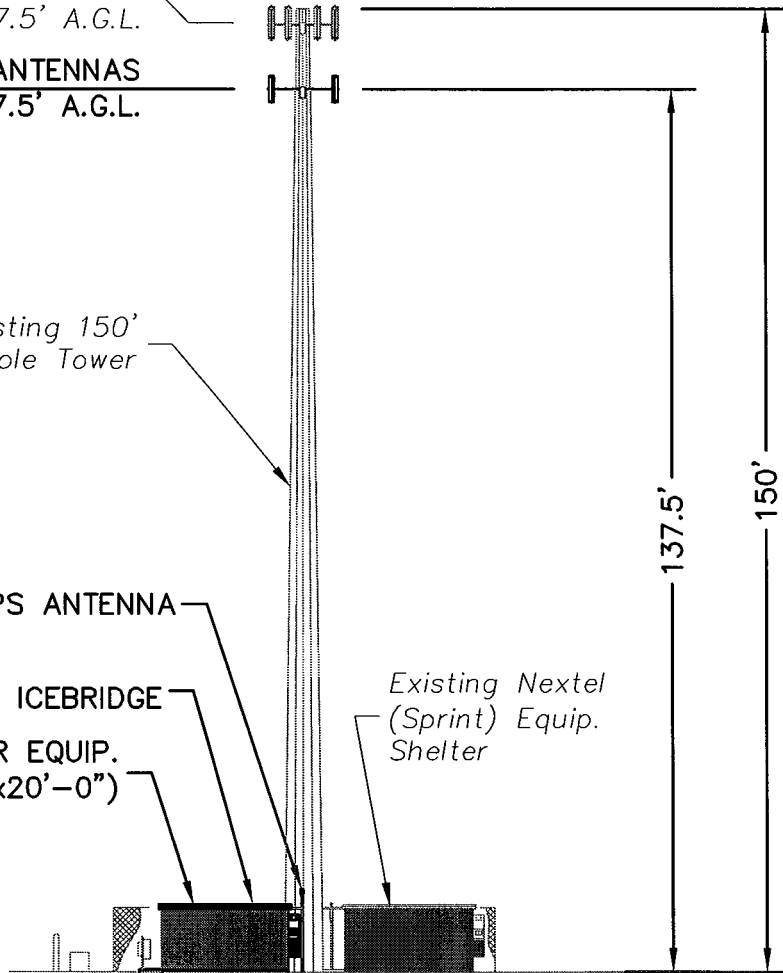


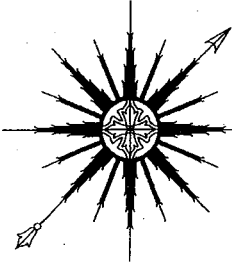


EXHIBIT 1B EAST ELEVATION

DESIGN EXHIBIT	NORTH	SITE NAME: NGC TOWER - COLEBROOK		
		ADDRESS: 382 COLEBROOK RIVER ROAD COLEBROOK, CT 06021		MGI #: 17206
		DRAWN: AMC CHECKED: GMP SCALE: 1"=30'		TASK #: 1305
		THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED		DATE: 2/10/06
 Maguire Group Inc. Architects Engineers Planners One Court Street New Britain, Connecticut 06051				



ALL-POINTS TECHNOLOGY CORPORATION, P.C.

February 14, 2006

Maguire Group, Inc.
One Court Street
New Britain, CT 06051

Attn: Alex Cosentino
Re: 150' Monopole Tower, Colebrook, CT

Dear Alex,

I am writing with regard to Cingular Wireless' proposed antennas to be installed on the 150' monopole tower located in Colebrook, Connecticut.

According to PennSummit Tubular, LLC design drawings (Paul J. Ford & Co. Design No. 24458), the tower is designed to support six 12-panel antenna arrays. The tower currently supports one 12-panel array, in addition to a GPS antenna. Cingular proposes to install six Powerwave 7770 panel antennas and twelve LGP2140X tower-mounted amplifiers (TMAs) on three sector mounts at 137'. Waveguide cables will consist of twelve 1-5/8" lines.

My evaluation, performed in accordance with the Connecticut State Building Code and EIA/TIA-222 Revisions F & G, indicates that the tower is capable of supporting Cingular Wireless' 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

CT144210 Colebrook 2-14-06 ltr.doc





New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

February 24, 2006

Honorable Jerome F. Rathbun
1st Selectman, Town of Colebrook
Town Hall, 562 Colebrook Road.
Colebrook, Connecticut 06021

Re: Notice of Exempt Modification – Existing National Grid Wireless Telecommunications Tower Facility at 382 Colebrook River Road, Colebrook, Connecticut

Dear Mr. Rathbun:

New Cingular Wireless PCS, LLC (“Cingular”) intends to install telecommunications antennas and associated equipment at an existing multicarrier telecommunications tower at 382 Colebrook River Road in Colebrook, Connecticut.

The facility is owned and operated by National Grid Wireless (“NGW”), 80 Central Street Boxborough, MA 01719. NGW leases the land from Leonard Johnson of Colebrook.

A Notice of Exempt Modification has been filed with the Connecticut Siting Council as required by Regulations of Connecticut State Agencies (“R.C.S.A.”) Section 16-50j-73. Please accept this letter as notification to the Town of Colebrook under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The attached letter fully sets forth the Cingular proposal. However, if you have any questions or require any further information on the plans for the site or the Siting Council’s procedures, please contact the undersigned or Mr. Derek Phelps, Executive Director of the Connecticut Siting Council, at (860) 827-2935.

Sincerely,

Steven Levine
Real Estate Consultant

Enclosure