

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

May 13, 2005

Christopher B. Fisher, Esq.
Cuddy & Feder LLP
90 Maple Avenue
White Plains, NY 10601-5196

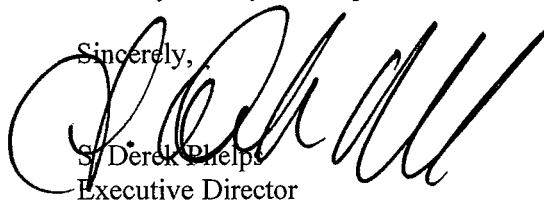
RE: **EM-CING-079-050104** - Southwestern Bell Mobile Systems, LLC d/b/a Cingular
Wireless notice of intent to modify an existing telecommunications facility located at 175
South Main Street, Marlborough, Connecticut.

Dear Attorney Fisher:

On January 24, 2005, the Connecticut Siting Council (Council) acknowledged New Cingular Wireless PCS, LLC's (Cingular) notice of exempt modification which included plans to install up to six panel antennas on the above-noted tower. By letter dated May 12, 2005, Cingular indicated that its plans have been revised and would include the installation of a total of 12 antennas on the tower. This revision has been reviewed and acknowledged by Council staff. The Council's records including the Telecommunications Database will be updated accordingly.

Thank you for your cooperation and consideration.

Sincerely,



Derek Phelps
Executive Director

SDP/MP

c: Steve Levine, New Cingular Wireless PCS, LLC
Nancy S. Bader, First Selectman, Town of Marlborough
Peter F. Hughes, Zoning Enforcement Officer, Town of Marlborough
Global Telecommunications, LLC

CUDDY & FEDER LLP
90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

WILLIAM V. CUDDY
1971-2000

NEIL J. ALEXANDER (also CT)
THOMAS R. BEIRNE (also DC)
STEPHANIE BORTNYK (also NJ)
JOSEPH P. CARLUCCI
LUCIA CHIOCCIO (also CT)
ROBERT DISIENA
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
ANTHONY B. GIOFFRE III (also CT)
KAREN G. GRANIK
JOSHUA J. GRAUER
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
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NORWALK, CONNECTICUT

EON S. NICHOLS (also CT)
WILLIAM S. NULL
DAWN M. PORTNEY
ELISABETH N. RADOW
NEIL T. RIMSKY
RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)

Of Counsel
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER

May 12, 2005

By Fax

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

Re: Cingular -- EM- CING-079-050104 (Docket No. 256)
175 South Main Street, Marlborough, Connecticut

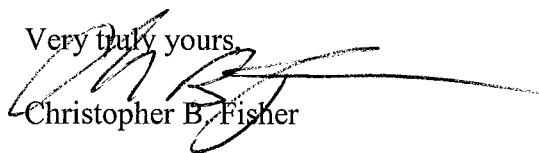
RECEIVED
MAY 16 2005

CONNECTICUT
SITING COUNCIL

Dear Mr. Phelps:

I am writing to you as a follow up to the above referenced exempt modification which was acknowledged by the Council on January 24, 2005 and your April 18, 2005 letter to the tower owner, Optasite. As you know, Cingular has installed a low profile platform on the tower. In furtherance of your letter and in lieu of the expense associated with removing same and installing T-arms, please be advised that Cingular plans on installing a total of twelve antennas at the site with some to be made operational at such time as capacity dictates. Because Cingular's prior filing indicated its intent to install only six antennas at the site (notwithstanding that the structural was run for twelve), we are hereby updating the prior notice and including a revised power density report to address the increase in channels that may be deployed by Cingular at the site. Thank you for your understanding and assistance in this regard.

Very truly yours,


Christopher B. Fisher

cc: Michele Briggs, Cingular
Steve Levine, Cingular
Keith Coppins, Optasite



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

Steven L. Levine
Real Estate Consultant

May 12, 2005

TO: Chris Fisher

FROM: Steve Levine

RE: Power Density Calculation for 175 South Main Street, Marlborough

The revised cumulative worst-case power density for this site in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at ground level beside the tower.

This worst-case calculation assumes all channels working simultaneously at full power with the antennas facing directly downward.

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
Sprint *	165	1950 - 1965	11	254	0.0369	1.0000	3.69
Verizon *	155	880	9	200	0.0269	0.5867	4.59
Cingular	145	880 - 894	6	296	0.0304	0.5867	5.18
Cingular	145	1930 - 1935	3	427	0.0219	1.0000	2.19
Total							15.65%

* Power density parameters provided by Global Telecommunications.

† 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.



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January 25, 2005

Michele G. Briggs
Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-079-050104** - Southwestern Bell Mobile Systems, LLC d/b/a Cingular Wireless notice of intent to modify an existing telecommunications facility located at 175 South Main Street, Marlborough, Connecticut.

Dear Ms. Briggs:

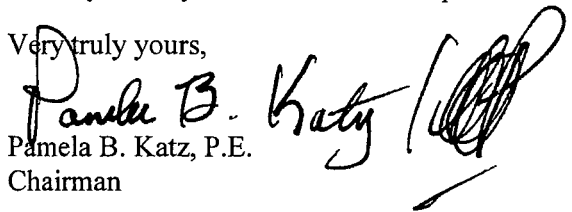
At a public meeting held on January 24, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated January 4, 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

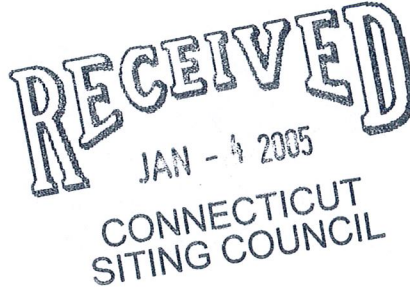
c: The Honorable Nancy S. Bader, First Selectman, Town of Marlborough
Peter F. Hughes, Zoning Enforcement Officer, Town of Marlborough
Global Telecommunications, LLC
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Kenneth C. Baldwin, Esq., Robinson & Cole LLP



Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7700
Fax: (860) 513-7190

Michele G. Briggs
Manager of Real Estate

January 4, 2005



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

**Re: Notice of Exempt Modification – Existing Sprint Telecommunications Tower Facility
at 175 South Main Street, Marlborough, Connecticut**

Dear Chairman Katz:

Southwestern Bell Mobile Systems, LLC d/b/a Cingular Wireless ("SBMS") intends to install telecommunications antennas and associated equipment at an existing (under construction) multicarrier telecommunications tower at 175 South Main Street in Marlborough, Connecticut.

The Marlborough facility is located along the west side of CT Rte 2, with access being off South Main Street, approximately 1 mile south of the intersection of CT Rte 66 and Main Street. Tower coordinates (NAD 83) are N 41° 36' 58" and W 72° 26' 11". The facility is owned and operated by Global Telecommunications, LLC ("Global"), a subsidiary of Optasite, Inc., with offices at 446 Main Street, 2nd Floor, Worcester, Massachusetts 01608. Global leases the land from Fallow Crossing, LLC.

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 Marlborough.

SBMS, the local component of the nationwide Cingular Wireless network, is licensed by the Federal Communications Commission ("FCC") to provide cellular mobile telephone service in the Hartford Connecticut Metropolitan Statistical Area, which includes the area to be served by SBMS' proposed installation. The public need for cellular service has been predetermined by the FCC.

Global has agreed to plans put forth by SBMS pursuant to mutually acceptable terms and conditions and has also authorized SBMS to obtain necessary government approvals. Attached to this Notice are a site location map, a proposed site plan, the proposed tower profile,

and a structural analysis report that shows the tower is structurally capable of supporting the proposed SBMS telecommunications equipment. (Note that SBMS is leasing space for, and is here proposing to construct, a 6-antenna site despite the structural analysis having been performed for 12 antennas.)

The Marlborough facility was approved by the Council in Docket 256 on March 4, 2004, with Global and Sprint Wireless as co-applicants and Global as the certificate holder. The tower facility is currently under construction following acceptance of the D&M Plan on November 17, 2004.

When complete, the South Main Street facility will consist of a 170-foot monopole within a 60' x 75' compound surrounded by a 6 ft high chain link fence topped by barbed wire.

Sprint, AT&T Wireless, and Verizon Wireless were approved in Docket 256 to build and operate at the facility. SBMS and Global, however, have terminated the AT&T lease with Global as a consequence of AT&T's acquisition by Cingular, and AT&T's tower position has been re-assigned to Cingular. Because the AT&T installation will not be constructed, AT&T's specifications have been omitted from the structural report, site plan, and power density calculation submitted with this Notice.

As shown on the attached drawings and as further described below, SBMS proposes to install up to six Kathrein AP14/17-880/1940/088D/ADT/XXP panel antennas or their equivalent, approximately 75 inches in height, with the center of radiation approximately 145 feet above ground level. Associated equipment to be installed on the tower are up to twelve Powerwave tower top amplifiers ("TTA's"; small metal boxes approximately 18 pounds apiece) or their equivalent immediately behind the antennas. Per the Council's Decision and Order in Docket 256, SBMS will utilize T-mounts for its antennas rather than a full platform.

SBMS also proposes to install a 12' x 20' x 10' high prefabricated concrete equipment building at grade beside the tower. All work will be done inside the existing fenced compound.

With the Cingular's GSM configuration, SBMS will broadcast up to:

- 2 channels, 296 Watts ERP, 880 – 894 MHz; and
- 2 channels, 427 Watts ERP, 1930 – 1935 MHz.

Statutory Considerations

The changes to the Marlborough 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 construction will occur within the existing fenced compound.

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 currently 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
Sprint *	165	1950 - 1965	11	254	0.0369	1.0000	3.69
Verizon *	155	880	9	200	0.0269	0.5867	4.59
Cingular	145	880 - 894	2	296	0.0101	0.5867	1.73
Cingular	145	1930 - 1935	2	427	0.0146	1.0000	1.46
Total							11.47%

* Power density parameters provided by Global Telecommunications.

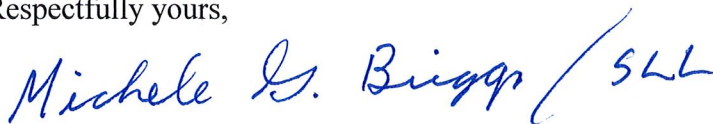
† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.

As the table demonstrates, the cumulative "worst-case" exposure would be approximately 11.5 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from SBMS' use of the tower facility would thus be within applicable standards.

For the foregoing reasons, SBMS respectfully submits that proposed changes to implement expanded shared use at the Marlborough site constitute an exempt modification under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7700 or Steve Levine at (860) 513-7636 with any questions concerning this application. Thank you for your consideration in this matter.

Respectfully yours,

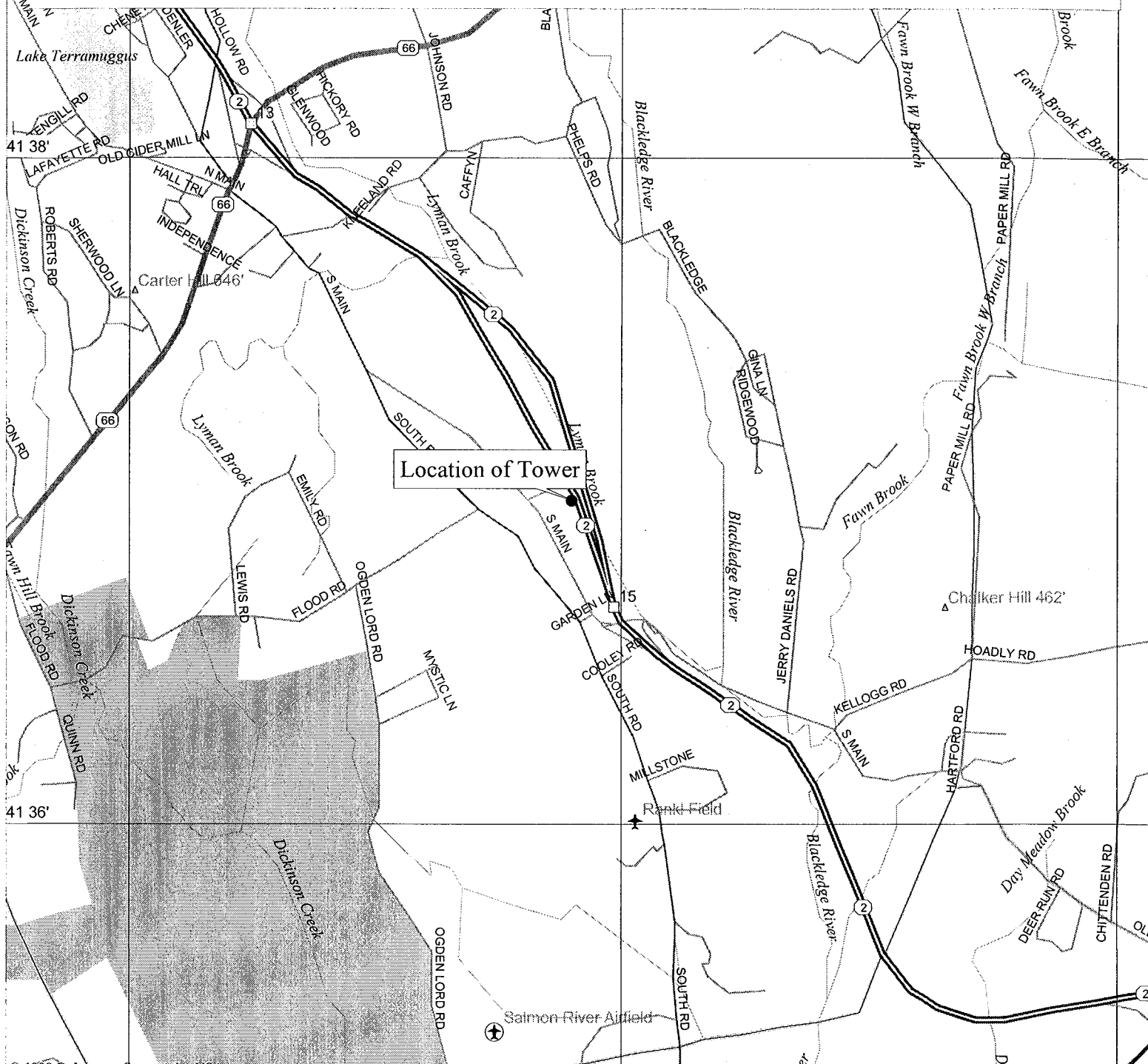


Michele G. Briggs
Manager of Real Estate

cc: Honorable Nancy S. Bader, 1st Selectman, Town of Marlborough

Attachments

Marlborough - South Main St.



© 1999 DeLorme. Street Atlas USA

Mag 14.00
 Tue Jan 04 08:53 2005
 Scale 1:31,250 (at center)
 2000 Feet
 1000 Meters

- | | | | |
|--|---------------------------|--|-------------------|
| | Local Road | | Public Airport |
| | Major Connector | | Private Airport |
| | State Route | | County Boundary |
| | Primary State Route | | Water |
| | Trail | | State Park/Forest |
| | Interstate/Limited Access | | Woodland |
| | Exit | | River/Canal |
| | Summit | | |

RAD. CENTER: 145 FT. (AGL)

20 0 20



(SCALE IN FEET)

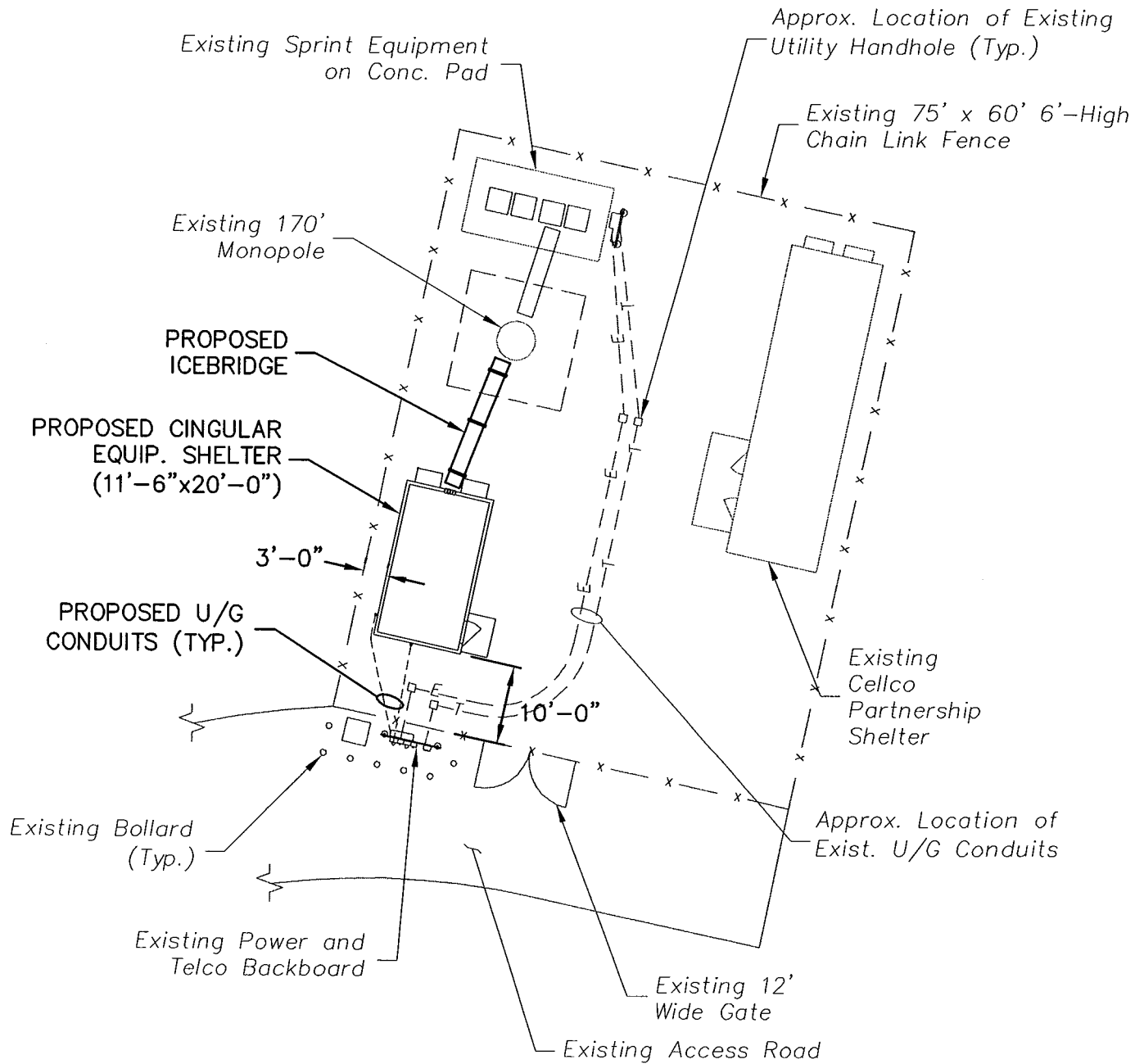


EXHIBIT 1A PLAN VIEW

DESIGN EXHIBIT	NORTH 	SITE NAME: OPTASITE - MARLBOROUGH		MGI #: 17206
		ADDRESS: 175 SOUTH MAIN STREET MARLBOROUGH, CT		TASK #: 1290
		DRAWN: AMC	CHECKED: GMP	SCALE: 1"=20'
	Maguire Group Inc. Architects Engineers Planners One Court Street New Britain, Connecticut 06051	THIS DRAWING AND ALL DATA CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY. NOT INTENDED FOR DESIGN OR CONSTRUCTION USE. ALL DATA SHOULD BE VERIFIED		

RAD. CENTER: 145 FT. (AGL)

30 0 30



(SCALE IN FEET)

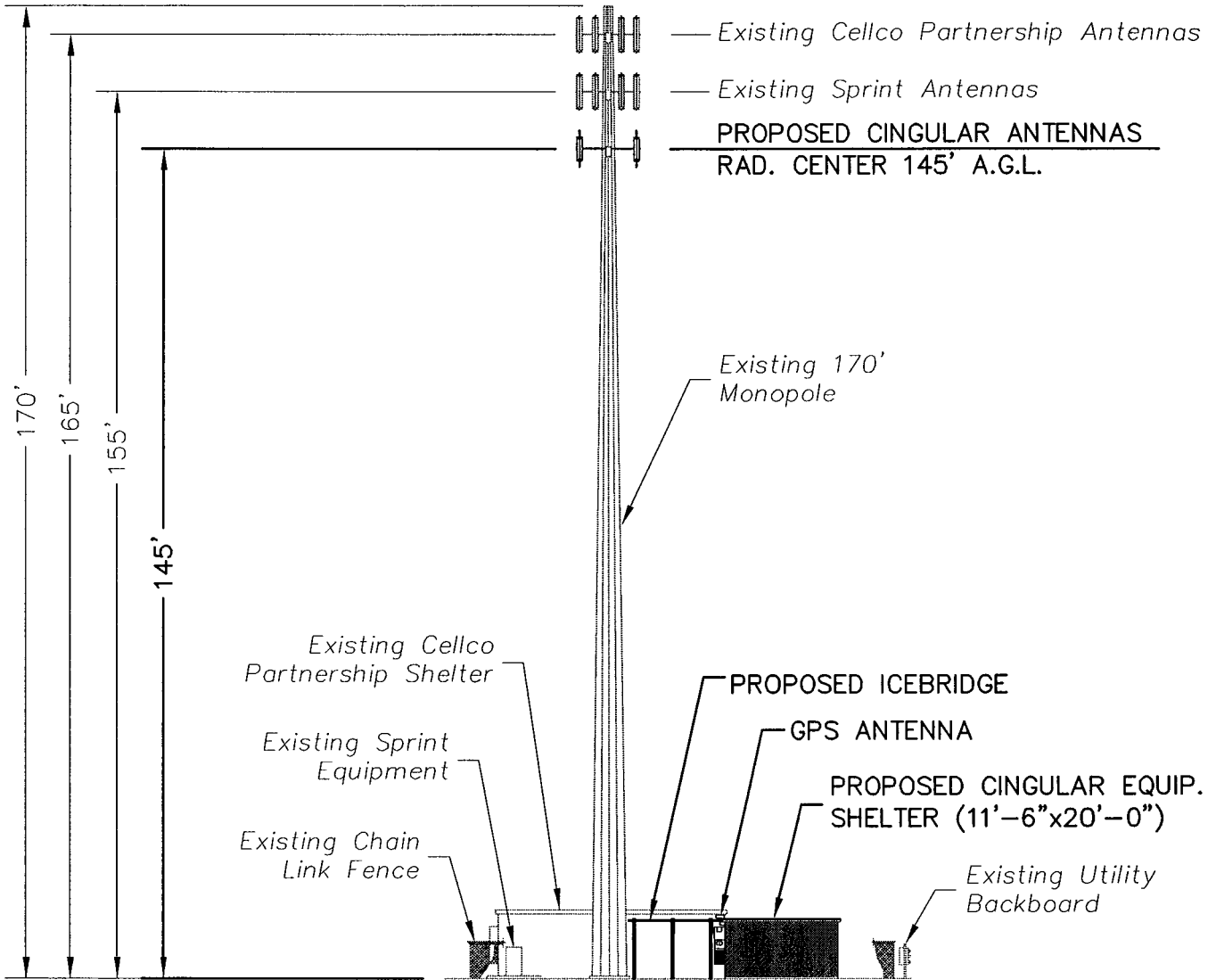




EXHIBIT 1B
WEST ELEVATION

DESIGN EXHIBIT	NORTH	SITE NAME: OPTASITE - MARLBOROUGH			
		ADDRESS: 175 SOUTH MAIN STREET MARLBOROUGH, CT		MGI #: 17206	
		DRAWN: AMC	CHECKED: GMP	SCALE: 1"=30'	TASK #: 1290
		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: 1/3/05	
 Maguire Group Inc. Architects Engineers Planners One Court Street New Britain, Connecticut 06051					

Maguire Group Inc.
Architects/Engineers/Planners
One Court Street
New Britain, CT 06051
Telephone: 860-224-9141
Fax: 860-224-9147

December 27, 2004



Mrs. Michele Briggs
CINGULAR WIRELESS
500 Enterprise Drive, 3rd Floor
Rocky Hill, Connecticut 06067

RE: Structural Analysis
Marlboro Monopole Tower
MGI Project No. 17206.1290

Dear Mrs. Briggs:

Maguire Group Inc. has performed a structural evaluation to determine the adequacy of an existing monopole tower to support the installation of 12 Kathrein Model 800-10122 multiband directional antennas and 12 LGP Model 2140X tower mount amplifiers at Elevation 145 on the tower.

Based on the information provided, our analysis indicates that the tower has adequate capacity to support the proposed loading from the 12 antennae and 12 tower mounted amplifiers.

If you have any questions or require additional information, please contact me.

Very truly yours,

MAGUIRE GROUP INC.

A handwritten signature in black ink, appearing to read "Kyle A. Turschman". The signature is fluid and cursive, written over a light background.

Kyle A. Turschman, P.E.
Chief Engineer – Structures





Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7700
Fax: (860) 513-7190

Michele G. Briggs
Manager of Real Estate

January 4, 2005

Honorable Nancy S. Bader
1st Selectman, Town of Marlborough
Town Hall
26 North Main St.,
Marlborough, Connecticut 06447

Re: Notice of Exempt Modification – Existing Global Telecommunications Tower Facility at 175 South Main Street, Marlborough, Connecticut

Dear Ms. Bader:

Southwestern Bell Mobile Systems, LLC d/b/a Cingular Wireless (“SBMS”) intends to install telecommunications antennas and associated equipment at an existing (under construction) multicarrier telecommunications tower at 175 South Main Street in Marlborough, Connecticut.

The facility is owned and operated by Global Telecommunications, LLC (“Global”), a subsidiary of Optasite, Inc., with offices at 446 Main Street, 2nd Floor, Worcester, Massachusetts 01608. Global leases the land from Fallow Crossing, LLC.

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 Marlborough 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 SBMS 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,

Michele G. Briggs
Manager of Real Estate

Enclosure