

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

June 9, 2008

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

RE: **TS-CING-141-080520** – New Cingular Wireless PCS, LLC request for an order to approve tower sharing at an approved telecommunications facility located at Rich Road, Thompson, Connecticut.

Dear Mr. Levine:

At a public meeting held June 5, 2008, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. 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 may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction. Please be advised that the validity of this action shall expire one year from the date of this letter.

The proposed shared use is to be implemented as specified in your letter dated May 20, 2008, including the placement of all necessary equipment and shelters within the tower compound.

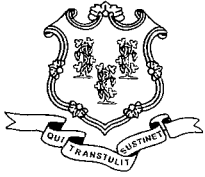
Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso
Chairman

DFC/MP/cm

c: The Honorable Larry Groh, First Selectman, Town of Thompson
John E. Mahon, Jr., Zoning Enforcement Officer, Town of Thompson
Brad Gannon, MCF Communications, Inc.



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Daniel F. Caruso
Chairman

May 22, 2008

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

RE: **TS-CING-141-080520** – New Cingular Wireless PCS, LLC request for an order to approve tower sharing at an approved telecommunications facility located at Rich Road, Thompson, Connecticut.

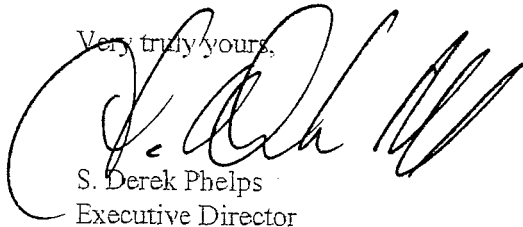
Dear Mr. Groh:

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.

If you have any questions or comments regarding this proposal, please call me or inform the Council by June 4, 2008.

Thank you for your cooperation and consideration.

Very truly yours,



S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

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



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

TS-CING-141-080520

May 20, 2008

RECEIVED
MAY 20 2008

CONNECTICUT
SITING COUNCIL

Honorable Daniel F. Caruso, Chairman,
and Members of the Connecticut Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Request by New Cingular Wireless PCS, LLC for an Order Approving Shared Use of an Approved MCF Communications Tower Located at Rich Road, Thompson, Connecticut

Dear Chairman Caruso and Members of the Council:

Pursuant to Connecticut General Statutes (C.G.S.) Section 16-50aa, New Cingular Wireless PCS, LLC ("AT&T") hereby requests an order from the Connecticut Siting Council ("Council") approving the proposed shared use by AT&T of an approved tower located at Rich Road, Thompson, Connecticut. AT&T operates under licenses issued by the Federal Communications Commission ("FCC") to provide cellular and PCS mobile telephone service in Windham County, which includes the area to be served by AT&T's proposed installation.

A copy of this letter is being sent to the 1st Selectman of the Town of Thompson.

Approved Tower Facility

The Thompson facility is located approximately 1500 feet northeast of Exit 100 of Interstate Highway I-395. Tower coordinates (NAD 83) are N 42° 00' 41.4" and W 71° 51' 07.3".

The facility is owned and operated by MCF Communications, Inc., 668 Main Street, Suite 114, Wilmington, MA 01887 ("MCF"), under a lease with the Town of Thompson which owns the property.

The tower was approved by the Council in Docket 344 on January 10, 2008.

The approved MCF facility will consist of a 150-foot monopole tower within a 50 ft x 90 ft compound surrounded by a chain link fence. T-Mobile and Verizon were approved to use the

tower in Docket 344.

Proposed Shared Use of the Tower

AT&T proposes to install up to six Powerwave 7770.00 dual band panel antennas, or their equivalent, approximately 55 inches in height, on T-bars at a centerline height of 127 feet above ground level. AT&T also proposes to place a 12 ft x 20 ft prefabricated concrete equipment shelter at the base of the tower.

Attached to this Request for Tower Sharing are a site location map, the proposed site plan, the proposed tower profile, and a structural analysis report that shows the tower is structurally capable of supporting the proposed AT&T telecommunications equipment.

Statutory Considerations

AT&T requests the Council to find that the proposed shared use of the tower facility satisfies the criteria stated in C.G.S. §16-50aa, and to issue an order approving the proposed use.

C.G.S. §16-50aa provides that, upon written request for approval of a proposed shared use, “If the Council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns, the Council shall issue an order approving such shared use” (C.G.S §16-50aa(c)(1)).

The shared use of the tower satisfies the criteria in C.G.S §16-50aa as follows:

- A. **Technical Feasibility.** The approved MCF tower will be structurally sound and capable of supporting the proposed shared use of the AT&T antennas at 127 feet AGL. The proposed shared use of this tower is therefore technically feasible.
- B. **Legal Feasibility.** Under C.G.S §16-50aa, the Council has been authorized to issue an order approving the proposed shared use of a tower facility such as the facility to be located at Rich Road in Thompson (C.G.S §16-50aa(c) (1)). Under the authority vested in the Council by C.G.S §16-50aa, an order approving the shared use of the MCF tower would satisfy AT&T’s Siting Council obligations and permit it to obtain a building permit for the proposed installation.
- C. **Environmental Feasibility.** The proposed shared use of this tower facility would have a minimal environmental effect for the following reasons:

1. The proposed installation would have an insignificant incremental visual impact and would not cause any significant change or alteration in the physical or environmental characteristics of the property. The addition of the proposed antennas would not increase the height of the monopole tower. AT&T’s equipment will be housed in an equipment shelter, and all construction will occur in the existing equipment compound.

2. The proposed installation would not increase noise levels at the existing facility by six decibels or more.

3. 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 is as follows:

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
T-Mobile *	147	1945	8	149	0.0198	1.0000	1.98
Verizon Wireless *	137	880	9	200	0.0345	0.5833	5.91
Verizon Wireless *	137	1970	3	485	0.0279	1.0000	2.79
Cingular GSM	127	1900 Band	2	296	0.0132	1.0000	1.32
Cingular GSM	127	850 Band	4	296	0.0264	0.5867	4.50
Cingular UMTS	127	850 Band	1	500	0.0111	0.5867	1.90
Total							18.4%

* Source: 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 "worst-case" exposure would be approximately 18.4 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Cumulative power density levels resulting from AT&T's proposed use of the tower facility would thus be well within applicable ANSI/IEEE standards.

4. The proposed installation would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. After construction is completed (approximately six weeks), the proposed installation would not generate any vehicular traffic other than periodic maintenance visits. The proposed use of the facility would therefore have a minimal environmental effect, and is environmentally feasible.

D. **Economic Feasibility.** AT&T has entered into an agreement with MCF to share use of the tower. The proposed facility sharing is therefore economically feasible.

E. **Public Safety Concerns.** As stated above, the existing tower is structurally capable of supporting AT&T's proposed antennas, and radio frequency emissions fall well below State and Federal safety standards. AT&T is not aware of any other public safety concerns relative to the proposed sharing of the tower. In fact, the provision of new or improved wireless coverage in the area is expected to enhance the safety and welfare of Thompson's residents.

Conclusion

For the reasons discussed above, the proposed shared use of the existing MCF tower at Rich Road in Thompson satisfies the criteria stated in C.G.S. §16-50aa and advances the General Assembly's and the Council's goal of preventing the proliferation of communication towers in Connecticut. AT&T therefore respectfully requests that the Council issue an order approving the proposed shared use. Thank you for your attention to this matter.

Please feel free to call me at (860) 513-7636 with questions concerning this tower sharing request. Thank you for your consideration in this matter.

Sincerely,

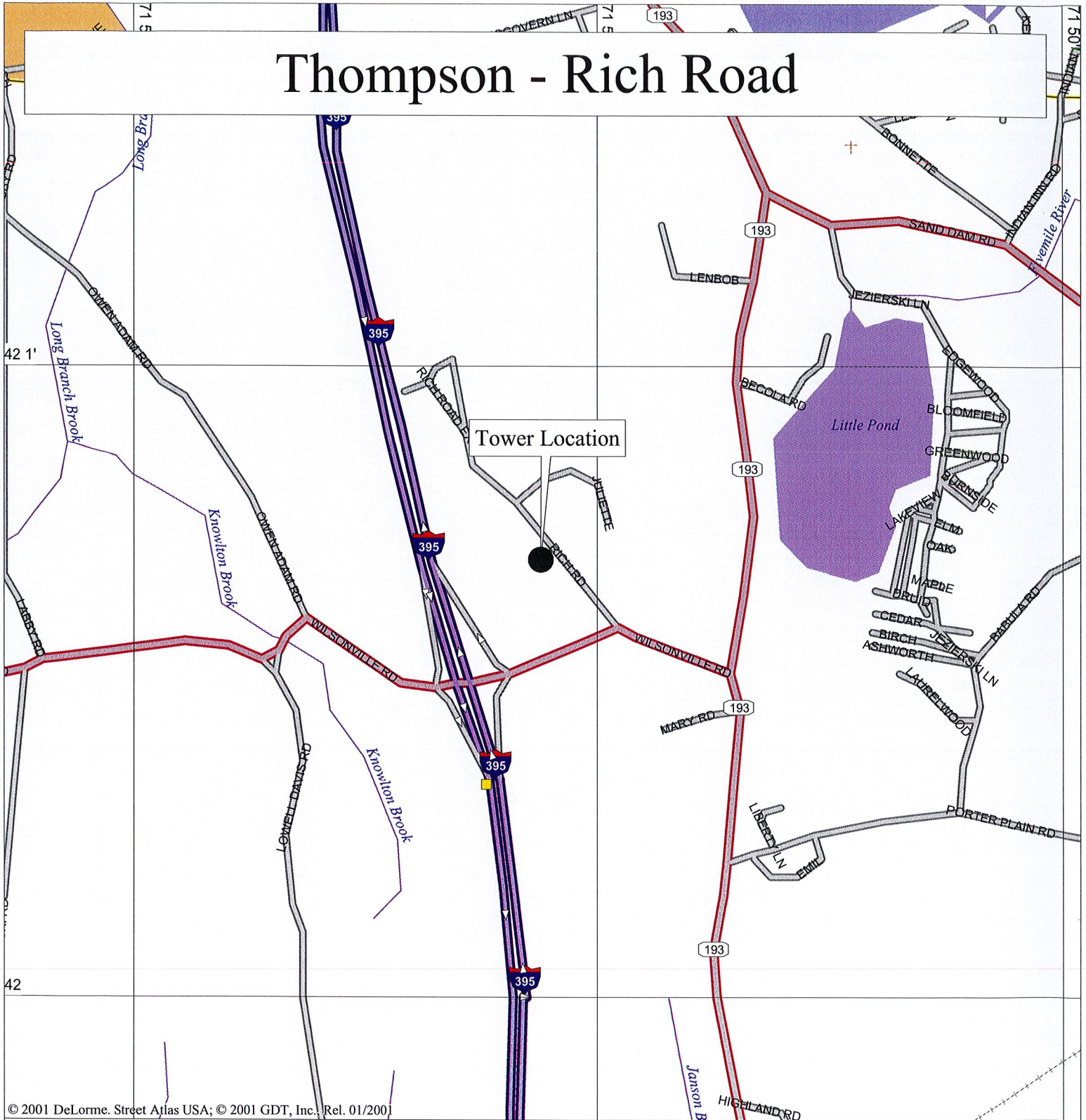


Steven L. Levine
Real Estate Consultant

cc: Honorable Larry Groh, Jr., 1st Selectman, Town of Thompson
Michele G. Briggs, Manager of Real Estate
Christopher B. Fisher, Esq.

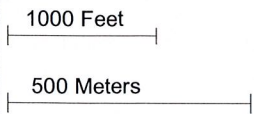
Enclosures

Thompson - Rich Road

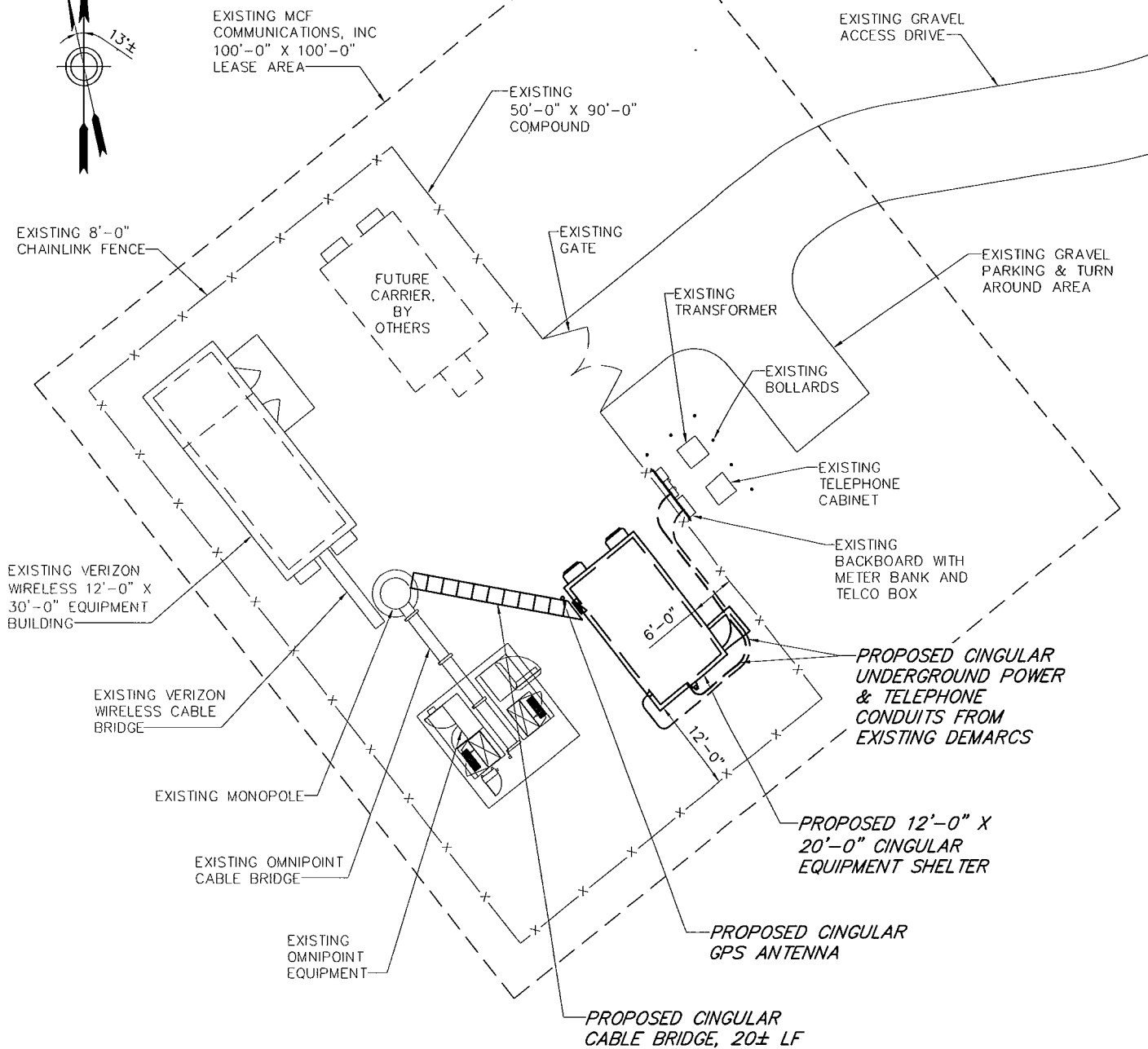
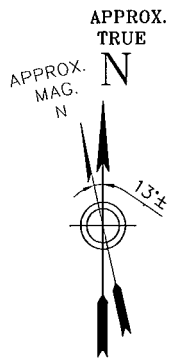


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 Tue May 20 08:08 2008
 Scale 1:15,625 (at center)

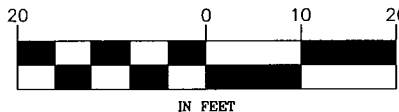


- | | | | |
|--|---------------------------|--|--------------------|
| | Local Road | | Population Center |
| | Major Connector | | Land |
| | State Route | | Water |
| | Interstate/Limited Access | | River/Canal |
| | Exit | | Intermittent River |
| | Railroad Abandoned | | |
| | Cemetery | | |
| | State Boundary | | |



SITE PLAN

GRAPHIC SCALE



NOTE:
PROPOSED CINGULAR WIRELESS INSTALLATION SHOWN IS ONLY APPROXIMATE. EXACT LOCATIONS AND DETAILS WILL BE DETERMINED BY FINAL ENGINEERING DESIGN.

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CLOUGH HARBOUR & ASSOCIATES LLP
2139 Silas Deane Highway, Suite 212 - Rocky Hill, CT 06067-2336
Main: (860) 251-4557 - www.cloughharbour.com



NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

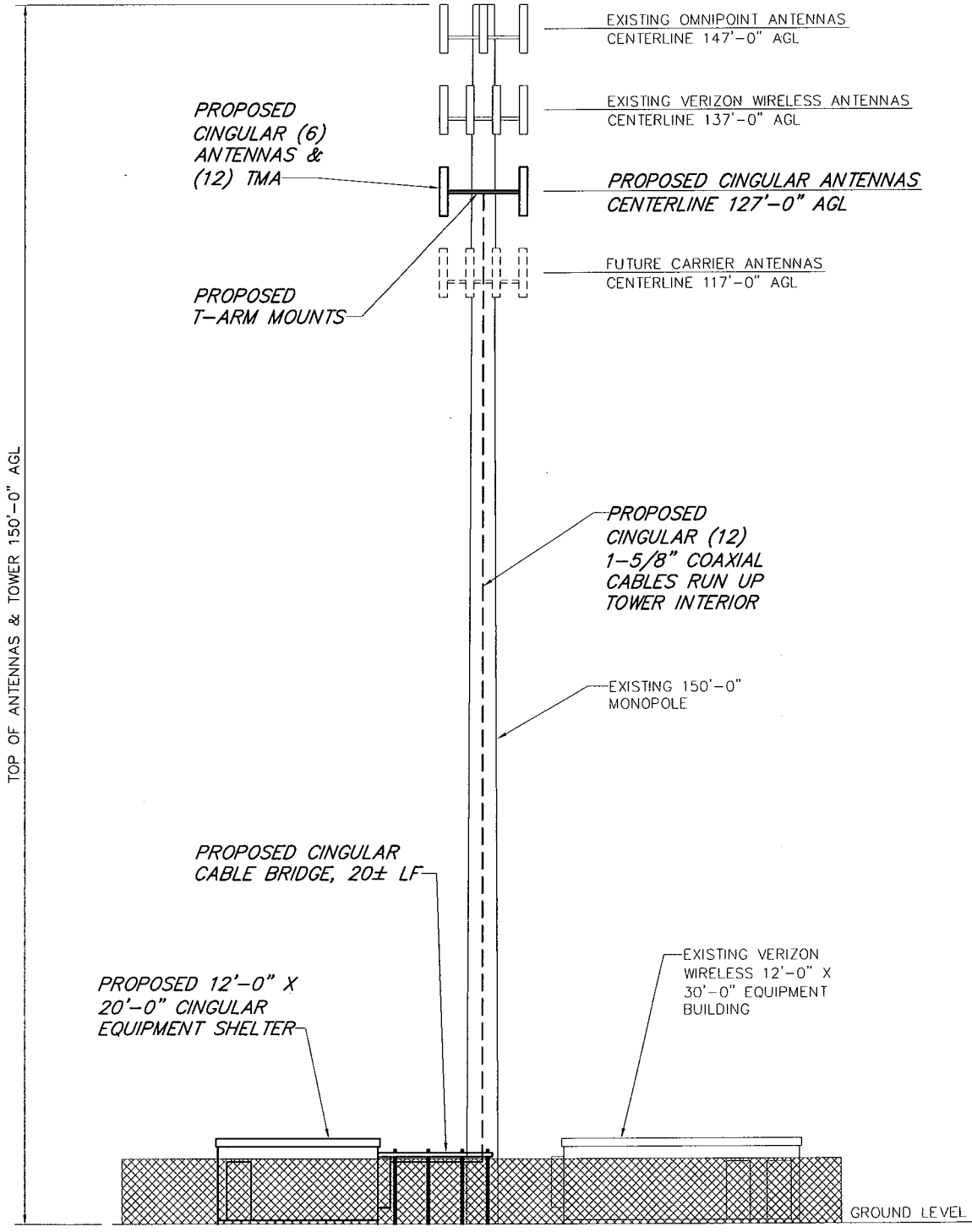
SITE 1204
THOMPSON-RICH ROAD
RICH ROAD
THOMPSON, CT 06277
WINDHAM COUNTY

CHA PROJ. NO. - 18301-1004

1 OF 2

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LE-1



TOWER ELEVATION
NO SCALE

NOTE:
PROPOSED CINGULAR WIRELESS INSTALLATION SHOWN IS ONLY APPROXIMATE. EXACT LOCATIONS AND DETAILS WILL BE DETERMINED BY FINAL ENGINEERING DESIGN.

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cingular
WIRELESS
NEW CINGULAR WIRELESS PCS, LLC
500 ENTERPRISE DRIVE, ROCKY HILL, CT 06067

SITE 1204
THOMPSON-RICH ROAD
RICH ROAD
THOMPSON, CT 06277
WINDHAM COUNTY
CHA PROJ. NO. - 18301-1004

2 OF 2
REV 0
LE-2



CLOUGH HARBOUR & ASSOCIATES LLP

May 16, 2008

Mr. Mark Appleby
AT&T Mobility / New Cingular Wireless PCS, LLC
500 Enterprise Drive, 3rd Floor
Rocky Hill, CT 06067

**RE: Structural Review – Cell 1204 – MCF Thompson
Located in Thompson, Windham County, CT
CHA File No.: 18301-1004-1203, Rev 0**

Dear Mr. Appleby:

Clough Harbour & Associates LLP has completed a structural review of the proposed installation at the above referenced site. Our review is based on the following information:

- Proposed equipment information and elevation provided by SAI Cingular.
- Design drawings by Fred A. Nudd Corporation, Project No. 308-13019, dated March, 2008.

The existing antenna loading consists of:

Omnipoint

- Nine (9) panel antennas mounted on T-arms at a centerline elevation of 147'-0" AGL with twelve (12) internally mounted 1-5/8" coaxial cables.

Verizon

- Twelve (12) panel antennas mounted on T-arms at a centerline elevation of 137'-0" AGL with twelve (12) internally mounted 1-5/8" coaxial cables.

Future Carrier

- Twelve (12) panel antennas mounted on T-arms at a centerline elevation of 117'-0" AGL with (12) internally mounted 1-5/8" coaxial cables.

The proposed installation consists of:

Cingular

- Six (6) Powerwave 7770 panel antennas mounted to the existing monopole at an antenna centerline elevation of 127' AGL, with twelve (12) 1-5/8" coaxial lines supported inside the pole.

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Dedicated People Committed to Total Quality" | T 518.453.4500 • F 518.458.1735 • www.cloughharbour.com

- Twelve (12) Powerwave LGP 214nn TMAs mounted to the existing monopole tower at a centerline elevation of 127' AGL. Proposed TMAs to be mounted behind proposed panel antennas (Typical of 2 per antenna) to reduce wind area.

The original design equipment loading consists of:

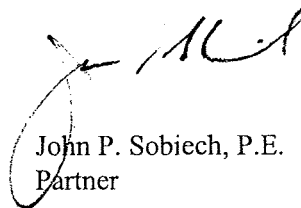
- Twelve (12) 6' x 1' panel antennas mounted on a 14' low profile platform at a centerline elevation of 149'-0" AGL with twelve (12) interior mounted 1-5/8 coaxial cables.
- Twelve (12) 6' x 1' panel antennas mounted on a 14' low profile platform at a centerline elevation of 139'-0" AGL with twelve (12) interior mounted 1-5/8 coaxial cables.
- Twelve (12) 6' x 1' panel antennas mounted on a 14' low profile platform at a centerline elevation of 129'-0" AGL with twelve (12) interior mounted 1-5/8 coaxial cables.
- Twelve (12) 6' x 1' panel antennas mounted on a 14' low profile platform at a centerline elevation of 119'-0" AGL with twelve (12) interior mounted 1-5/8 coaxial cables.

It is our opinion that the existing structure is capable of supporting the proposed loads. This opinion is based on the method of installation, and the existing structural conditions identified at the time of our review.

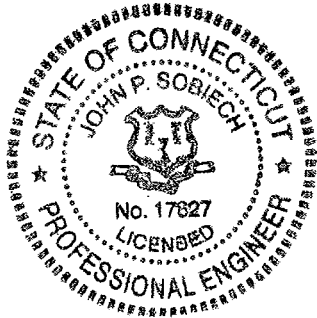
If you have any questions or comments relating to this matter please do not hesitate to contact our office.

Very truly yours,

CLOUGH HARBOUR & ASSOCIATES LLP



John P. Sobiech, P.E.
Partner





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 20, 2008

Re: Request by New Cingular Wireless PCS, LLC for an Order Approving Shared Use of an Approved MCF Communications Tower Located at Rich Road, Thompson, Connecticut.

Honorable Larry Groh, Jr.
1st Selectman, Town of Thompson
Town Office Bldg. 815 Riverside Dr.
North Grosvenor Dale, CT 06255

Dear Mr. Groh:

Consistent with the State of Connecticut's statutory policy of encouraging tower sharing, New Cingular Wireless PCS, LLC ("AT&T") intends to install cellular antennas and equipment at an approved multicarrier telecommunications tower at Rich Road in Thompson.

The facility is owned and operated by MCF Communications bg, Inc., 668 Main Street, Suite 114, Wilmington, MA 01887, under a lease with the Town of Thompson which owns the property.

Pursuant to Connecticut General Statutes Section 16-50aa, AT&T has requested an order approving shared use of the tower from the Connecticut Siting Council.

As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies, we are providing you with copies of this letter and the attached letter to the Siting Council as notice of AT&T's plans.

The accompanying letter fully describes AT&T's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure