



# 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](mailto:siting.council@ct.gov)

Internet: [ct.gov/csc](http://ct.gov/csc)

*Daniel F. Caruso*  
Chairman

November 4, 2008

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

RE: **EM-CING-007-080917** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 260 Beckley Road, Berlin, Connecticut.

Dear Mr. Levine:

The Connecticut Siting Council (Council) hereby acknowledges 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 19, 2008, 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,

S. Derek Phelps  
Executive Director

SDP/MP/jb

c: The Honorable Adam P. Salina, Mayor, Town of Berlin  
Denise McNair, Interim Town Manager, Town of Berlin  
Hellyn Riggins, Town Planner, Town of Berlin  
Spectrasite



CONNECTICUT SITING COUNCIL

Affirmative Action / Equal Opportunity Employer



**EM-CING-007-080917**

**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

**HAND DELIVERED**

September 19, 2008

**ORIGINAL**

**RECEIVED**  
SEP 19 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: New Cingular Wireless PCS, LLC Request for Re-Acknowledgment of a  
Previously-Acknowledged Notice of Exempt Modification**

**EM-CING-007-080917**

**260 Beckley Road, Berlin**

Dear Chairman Caruso and Members of the Council:

On September 17, 2008, New Cingular Wireless (“AT&T”) submitted a letter and checks totaling \$8,000, requesting re-acknowledgment of 16 notices of exempt modification. These notices had been filed and approved in 2006 with a 1-year expiration date, but AT&T had not initiated or completed the approved site modifications within the year allowed by the Council. Accordingly, the acknowledgments expired and AT&T is now requesting re-acknowledgment so the site modifications may proceed.

Acting upon the 9/17/08 letter, Council staff assigned 16 new EM numbers and requested additional information from AT&T for each site. The request concerned the status of structural analysis records presently in the Council’s files, i.e., did the latest structural in Council files for each site incorporate the modifications approved for AT&T in 2006?

We have assessed this matter and have found that the existing structural analysis in Council files for the referenced site *does* include AT&T’s modifications approved by the Council in 2006. The 2006 approval for Cingular is the latest action for the site that affects tower loading.

AT&T, therefore, respectfully requests that the Council acknowledge the referenced Notice of Exempt Modification so that its planned site modifications may proceed.

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

Sincerely,

Steven L. Levine

Real Estate Consultant

The sites and the earlier Exempt Modification Notices are:

2 West Street, Rocky Hill	EM-CING-119-007-155-064-060623
260 Beckley Road, Berlin	EM-CING-119-007-155-064-060623
123 Costello Road, Newington	EM-CING-064-043-155-094-060609
179 Shunpike Road, Cromwell	EM-CING-033-017-060728
290 Preston Avenue, Middletown	EM-CING-033-080-083-060525
945 East Center Street, Wallingford	EM-CING-148-101-060-060609
992 Northrop Road, Wallingford	EM-CING-084-148-014-060623
10 Bona Street, Milford	EM-CING-014-084-060602
438 Bridgeport Avenue, Milford	EM-CING-084-060728
185 Research Drive, Milford	EM-CING-084-148-014-060623
4 Beaver Road, Branford	EM-CING-084-148-014-060623
150 North Main Street, Branford	EM-CING-014-148-060707
123 Meadow Street, Hartford	EM-CING-119-007-155-064-060623
92 Weston Street, Hartford	EM-CING-064-119-060707
1030 New Britain Avenue, West Hartford	EM-CING-119-007-155-064-060623
310 Orange Street, New Haven	EM-CING-093-084-060613

For the foregoing reasons, AT&T respectfully requests that the Council re-acknowledge the sixteen referenced Notices of Exempt Modification so that its planned site modifications may proceed.

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

Sincerely,



Steven L. Levine  
Real Estate Consultant



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

HAND DELIVERED

September 17, 2008

**RECEIVED**  
SEP 17 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: New Cingular Wireless PCS, LLC Request for Re-Acknowledgment of Sixteen  
Previously-Acknowledged Notices of Exempt Modification

Dear Chairman Caruso and Members of the Council:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") plans to modify the equipment configurations at many of its existing cell sites. This program has been in progress since 2006.

In 2006, AT&T submitted a number of Notices of Exempt Modification and received the Council's acknowledgments, each carrying a 1-yr expiration provision. On-site installation was completed at most of the cell sites within the ensuing year. However, for a number of sites the work was either not begun or not completed before expiration of the Council's approval.

At this time AT&T intends to finish UMTS modifications at the affected sites and hereby requests the Council's re-acknowledgment for sixteen of the earlier Notices of Exempt Modification. For each site, we herewith submit a filing fee of \$500.

For each site, the materials required for a notice of exempt modification are already in the Council's files owing to the earlier filings, and the currently-proposed modifications are the same as those previously acknowledged by the Council. Therefore, we are submitting AT&T's request for re-acknowledgment in this form to avoid needless waste of paper.



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051  
Phone: (860) 827-2935 Fax: (860) 827-2950  
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[www.ct.gov/csc](http://www.ct.gov/csc)

July 31, 2006

Elizabeth H. Lankenau, AICP  
Planner  
Kise Straw & Kolodner Inc.  
123 South Broad Street, Suite 1270  
Philadelphia, PA 19109

RE: **EM-CING-119-007-155-064-060623** - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 2 West Street, Rocky Hill; 260 Beckley Road, Berlin; 1030 New Britain Avenue, West Hartford; and 99 Meadow Street, Hartford, Connecticut.

Dear Ms. Lankenau:

At a public meeting held on July 27, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, 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 June 22, 2006, and errata sheets received July 20, 2006, including the placement of all necessary equipment and shelters within the tower compounds. 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 existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

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 any of these facilities 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,

*Colin C. Tait*  
Colin C. Tait

Chairman

CCT/laf

c: See Attached List.

List Attachment.

- c: The Honorable Adam P. Salina, Mayor, Town of Berlin
- Hellyn Riggins, Town Planner, Town of Berlin
- The Honorable Eddie A. Perez, Mayor, City of Hartford
- Robert A. LaPorte, Chairman of City Planning Commission, City of Hartford
- Lee C. Erdmann, Chief Operating Officer, City of Hartford
- The Honorable Scott Slifka, Mayor, Town of West Hartford
- Barry M. Feldman, Town Manager, Town of West Hartford
- Mila Limson, Town Planner, Town of West Hartford
- The Honorable Anthony P. LaRosa, Mayor, Town of Rocky Hill
- Barbara Gilbert, Town Manager, Town of Rocky Hill
- Kimberly Ricci, Director of Planning, Town of Rocky Hill
- Karen L. Couture, Site Acquisition Specialist
- Thomas F. Flynn III, Nextel Communications Inc.
- Michele G. Briggs, New Cingular Wireless PCS, LLC
- Christopher B. Fisher, Esq., Cuddy & Feder LLP
- Eric Rabon, Spectrasite Communications
- Christine Farrell, T-Mobile
- Kenneth C. Baldwin, Esq., Robinson & Cole LLP
- Thomas J. Regan, Esq., Brown Rudnick Berlack & Israels LLP
- Jeremy McDavitt, American Tower Corporation

**260 Beckley Road, Berlin, CT**

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**Summary Sheet  
Project Location Map  
Site Plan and Elevation  
Structural Analysis  
Elected Official Letter**

**CINGULAR WIRELESS**  
**Proposed Modifications**

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**Site Address:** 260 Beckley Road, Berlin, CT; *Project Location Map attached*

**Site Owner:** American Tower

**Type of Existing Facility:** 150' monopole and a 20' x 23' equipment shelter in a 55' x 57' compound

**Antenna Configuration:** Center line – 152' above ground level; remove existing CSS DUO 1417 antennas and replace with six (6) Powerwave 7770 units; *specification attached*

**TMA Configuration:** Six (6) existing units to remain and add six (6) new LGP 214nn units; *specification attached*

**Coaxial Cables:** Existing coaxial cables to be removed and add twelve (12) new 1 5/8" diameter cables

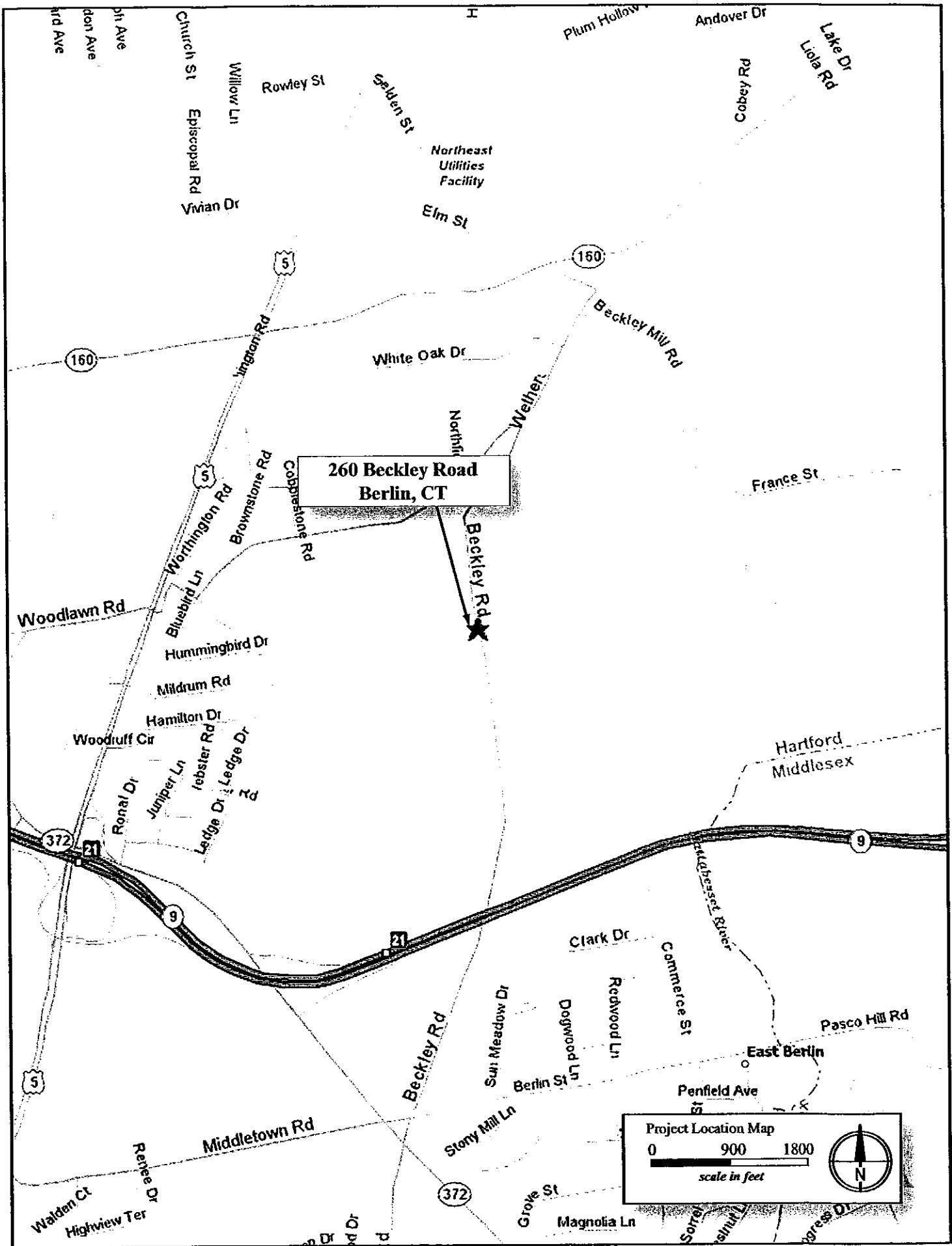
**Other Work:** Add one (1) Ericsson RBS 3206 equipment cabinet to an existing equipment shelter

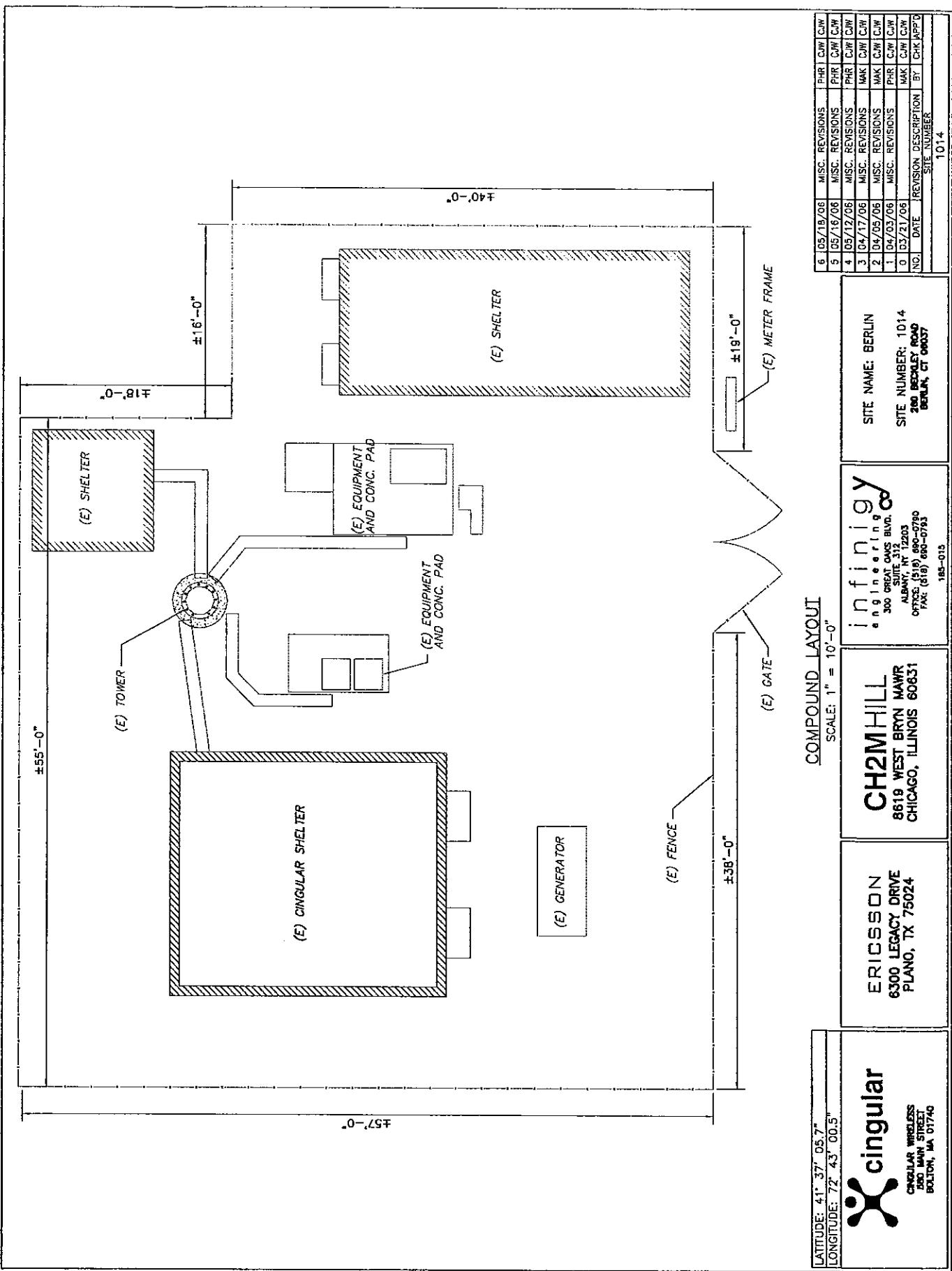
**Power Density:**

As the table demonstrates, the cumulative worst-case exposure would be approximately 40.12% of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the facility would be within applicable standards.

Site # 1014									
Carrier	Antenna Height (ft)	Freq. (MHz) For Limit	# of Channels	W ERP/Channel (ref 1/2-w dipole)	W EIRP/Sector	Power Density ( $\mu\text{W}/\text{cm}^2$ )	FCC Limit ( $\mu\text{W}/\text{cm}^2$ )	Percent of Limit (%)	
Cingular UMTS	152	1935.0	1	500.0	820.0	8.0	1000	0.80%	
T-Mobile	163	1900.0	8	120.0	1574.4	13.0	1000	1.30%	
Sprint	130	1900.0	11	122.0	2200.9	28.6	1000	2.86%	
Sprint	127	1900.0	11	122.0	2200.9	29.9	1000	2.99%	
Sprint	123	1900.0	11	122.0	2200.9	31.9	1000	3.19%	
Cingular Omni	162	150.0	1	500.0	820.0	6.9	200	3.43%	
Cingular 1900	150	1900.0	2	427.0	1400.6	13.7	1000	1.37%	
Cingular 800	150	880.0	2	296.0	970.9	9.5	587	1.61%	
Cingular TDMA	150	880.0	10	100.0	1640.0	16.0	587	2.72%	
Verizon	116	859.0	9	200.0	2952.0	48.1	573	8.40%	
AT&T	106	1900.0	4	250.0	1640.0	32.0	1000	3.20%	
Nextel	96	851.0	12	100.0	1968.0	46.8	587	8.25%	
<b>TOTAL</b>									<b>40.12%</b>

**Structural Analysis:** *Structural Analysis attached.*





(E) (10) PRESSURE FED  
 7/8" ANDREW COAX CABLES  
 TO BE REMOVED - ADD (N)  
 (12) 1 5/8" COMMSCOPE  
 COAX CABLE

TOP OF MONPOLE  
@ +15° ON A/C

— (E) CINGULAR ANTENNAS TO  
BE REPLACED WITH (6)  
POWERWAVE ANTENNAS, (2) PER  
SECTOR, (3) SECTORS TOTAL  
(TYP.)

(1) OMNI @ #162-0<sup>o</sup>

(6) AT&T PANELS @ \$106.00  
(3) NEXTEL PANELS @ \$96.00

(6) VERIZON PANELS @ 116'-0"

(6) VERIZON PANELS @ 116'-0"

±150°-0" MONOPOL

TOWER ELEVATION  
SCALE: 1" = 30'-0"

## GROUND LEVEL

ANTENNA CONTRACTOR TO  
INSTALL (6) NEW TMA UNITS.  
(6) EXISTING TMA TO REMAIN.  
(TOTAL TMA UNITS = 12)

(E) (10) PRESSURE FED  
7/8" ANDREW COAX  
CABLES TO BE REMOVED -  
ADD (N) (12) 1 5/8"  
COMMSCOPE COAX CABLE

SECTION A-A

- (E) (10) PRESSURE FED  
7/8" ANDREW COAX  
CABLES TO BE REMOVED -  
ADD (N) (12) 1 5/8"  
COMSCOPE COAX CABLE

- (E) (10) PRESSURE FED  
7/8" ANDREW COAX  
CABLES TO BE REMOVED  
ADD (N) (12) 1 5/8"  
COMMSCOPE COAX CABLE

(1) OMNI @ ±152'-0"

(2) CINGULAR PANELS @ ±152'-0" RAD CENTRE

(3) SPRINT PANELS @ 123', 127', 130'

(4) VERIZON PANELS @ 116'-0"

(5) AT&T PANELS @ ±106'-0"

(6) NEXTEL PANELS @ 986'-0"

(7) ANTEEN CONTRACTOR TO  
INSTALL (6) NEW TMA UNITS,  
(6) EXISTING TMA TO REMAIN  
(TOTAL TMA UNITS = 12)

±150'-0" MONPOLE

Latitude: 41° 37' 05.77"   
Longitude: 72° 43' 00.5"   
CINGULAR WIRELESS  
200 MAIN STREET  
SOUTHLAKE, TX 76092

cingular

CIRCULAR WIRELESS  
880 MAIN STREET  
NEW YORK N.Y. 10036

infinity  
engineering  
300 GREAT OAKS BLVD.  
SUITE 200

ALBANY, NY 12203  
SUITE 312  
PHONE: (518) 690-0786  
FAX: (518) 690-0783

CH2MHILL

8618 WEST BRYN MAWR  
CHICAGO, ILLINOIS 60631

SITE NAME: BERLIN  
SITE NUMBER: 1014  
200 RECKLEY ROAD  
BERLIN, CT 06037

WHITE NUMBER: 101  
280 BECKLEY ROAD  
BETHANY, CT 06523

NO.	DATE	REVISION NUMBER	SITE NUMBER
4	05/12/06	MISC. REVISIONS	CMW
3	04/17/06	MISC. REVISIONS	CMW
2	04/05/06	MISC. REVISIONS	CMW
1	04/03/06	MISC. REVISIONS	CMW
0	03/21/06	MISC. REVISIONS	CMW

ITEM NUMBER



302483-PAT  
6/09/06

**AMERICAN TOWER<sup>TM</sup>**  
CORPORATION

Level 1 Structural Evaluation <sup>1</sup>		
ATC Site Number & Name	302483, Brln - Berlin	Engineering ID: 26351611
Cingular Site Number & Name	CT 1014, Berlin	
Site Address	260 Beckley Road Berlin, CT 06037 Hartford County	
Tower Description	167.5 ft ITT Meyer Monopole	
Standards & Codes <sup>2</sup>	ANSI/TIA/EIA-222-F (1996) 80 mph w/ 0" radial ice 69 mph w/ 1/2" radial ice	2003 International Building Code 105 mph w/ 0" radial ice

**Table 1: Existing and Proposed Antenna Configuration**

HEIGHT (Ft)	ANTENNA	CARRIER	COAX	I/O <sup>3</sup>	STATUS
163	(3) EMS RR90-17-00DPL2 in Concealment Mount	T-Mobile	(6) 1-5/8"	I	Existing
152	(6) ADC CGTMDD-1900 on Platform w/ Handrails	Cingular	--	I	Existing
152	(6) Allgon 7770 (6) Powerwave LGP-2140X on Platform w/ Handrails	Cingular	(12) 1-1/4"	I	Proposed
130	(3) Allgon 7184.05		(3) 1-5/8"	I	
127	(3) Allgon 7184.05		(3) 1-5/8"	I	
123	(3) Allgon 7184.05 on Flush Mounts	Sprint	(3) 1-5/8"	O	Existing
121	(1) GPS Unit		(1) 1/2"		
118	(6) Antel RWA-80014		(6) 1-5/8"		
118	(6) Decibel 948F85T2E-M on Low Profile Platform	Verizon	(6) 1-5/8"	O	Existing
106	(6) Allgon 7250 on Low Profile Platform	AT&T	(6) 1-1/4" (6) 1-5/8"	I	Existing
96	(12) Decibel 844G65VTZA-SX on T-Arm Mounts	Nextel	(15) 1-5/8"	O	Existing

<sup>3</sup>I/O denotes coax installed inside or outside of monopole respectively.

The subject tower and foundation *are adequate* to support the above stated loads in conformance with specified requirements.<sup>3</sup>



6/9/06

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.

<sup>1</sup>The existing and proposed loads of Table 1 are compared to the tower's current design capacity or previous analysis.

<sup>2</sup>The design wind criteria are compared to the current code requirements.

<sup>3</sup>The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

## *Kise Straw & Kolodner*

Architects Planners Historians Archaeologists

*James Bennett Straw, AIA*

*Harvey D. Kolodner, MBA*

22 June 2006

Honorable Adam P. Salina  
Mayor, Town Berlin  
240 Kensington Road  
Berlin, CT 06037

**RE: Notice of Exempt Modification – Existing Cingular  
Telecommunications Tower Facility at 260 Beckley Road,  
Berlin, Connecticut**

Dear Mr. Salina:

New Cingular Wireless PCS, LLC (“Cingular”) proposes to remove and replace telecommunications antennas and associated equipment located on an existing tower at the above-referenced location. The facility is now controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067.

**Proposed Modifications**

Cingular proposes to add one (1) equipment cabinet inside an existing shelter and remove the existing antennas and replace them with a total of six (6) new antennas, located at an existing centerline height of approximately 152' above ground level. Cingular will remove the existing coaxial cables and replace them with twelve (12) new 1 5/8" diameter cables. It will keep six (6) of the existing tower mounted amplifiers will and add six (6) new units, located at the same height as the antennas.

*James Nelson Kise, AIA / AICP / PP*

*James Bennett Straw, AIA*

*Harvey D. Kolodner, MBA*

*John R. Gibbons, AIA / AICP*

*Philip E. Scott, RA*

*Suzanna Barucco*

*LaVern Browne*

*Katherine E. Cowing, LEED*

*Johnette Davies*

*Peter D. Glumac, Ph.D.*

*Douglas S. Heckroth, RA / LEED*

*Jody Holton, AICP*

*Marian Maxfield Hull, AICP / PP*

In summary, the final antenna configuration at 260 Beckley Road will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

A structural evaluation has demonstrated that the tower will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

*Kise Straw & Kolodner Inc.*

*123 South Broad St.*

*Suite 1270*

*Philadelphia, PA 19109*

*(215) 790-1050 FAX (215) 790-0215*

*www.ksk1.com*

**Statutory Considerations**

The proposed work will not affect the height of the existing structure, nor will it alter the existing property boundaries. Furthermore, the proposed work will not increase noise levels at the facility's site boundary by six (6) decibels or more. Operation of additional antennas will not increase the radio frequency electromagnetic radiation power density, measured at the tower base, to or above the standard adopted by the State of Connecticut and the Federal Communications Commission.

A Notice of Exempt Modification has been filed with the Connecticut Siting Council (CSC) as required by the Regulations of Connecticut State Agencies (RCSA), Section 16-50j-73. Please accept this letter as notification to the Town of Berlin under Section 16-50j-73 that the proposed work constitutes an exempt modification pursuant to RCSA Section 16-50j-72(b)(2).

Should you have any questions or require additional information about the plans or the CSC's procedures, please do not hesitate to contact me (215.790.1050 ext. 138) or Mr. Derek Phelps, Executive Director, Connecticut Siting Council (860.827.2935).

Sincerely,



Elizabeth H. Lankenau, AICP  
Planner