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

August 7, 2007

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

RE: **EM-CING-004-089-137-152-154-070710** - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 10 Redwood Lane, Avon; 1 Hartford Square, New Britain; 86 Voluntown Road, Stonington; 45 Fargo Road, Waterford; and 782 Old Clinton Road, Westbrook, Connecticut.

Dear Mr. Levine:

At a public meeting held on July 26, 2007, 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 with the condition that the platform at the 163-foot level of the Waterford tower be removed within 180 days unless it can be utilized by another carrier.

The proposed modifications are to be implemented as specified here and in your notice dated July 10, 2007, 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,

Daniel F. Caruso
Chairman

DFC/MP/laf

c: The Honorable Richard W. Hines, Chairman Town Council, Town of Avon
Steven V. Kushner, Town Planner, Town of Avon
The Honorable Timothy T. Stewart, Mayor, City of New Britain
Steven P. Schiller, Director of Planning, City of New Britain
The Honorable William S. Brown, First Selectman, Town of Stonington
Jason Vincent, Town Planner, Town of Stonington
The Honorable Daniel M. Steward, First Selectman, Town of Waterford
Thomas V. Wagner, Planning Director, Town of Waterford
The Honorable John A. Raffa, First Selectman, Town of Westbrook
Anthony Beccia, Zoning Enforcement Officer, Town of Westbrook
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels, LLP
Kenneth C. Baldwin, Esq., Robinson & Cole LLP
Christine Farrell, T-Mobile
SBA Inc.
Jeffrey W. Barbadora, Crown Atlantic Company LLC

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

EM-CING-004-089-137-152-154-070710

HAND DELIVERED

July 10, 2007

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 notice of intent to modify 5 existing telecommunications facilities located in Avon, New Britain, Stonington, Waterford, and Westbrook.

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 ("Cingular") plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, 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 and attachments is being sent to the chief elected official of each of the municipalities in which an affected cell site is locate.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile (GSM) communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

Attached are summary sheets detailing the planned changes, including power density calculations reflecting the change in the effect of Cingular's operations at each affected site. Also included is documentation of the structural sufficiency of each tower to accommodate the revised antenna configuration.

The changes to the facilities do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facilities will not be significantly changed or altered. Rather, the planned changes to the facilities fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. In each instance, the height of the overall structure will be unaffected. Modifications to the existing sites include all or some of the following as necessary to bring each site into conformance with the plan:

- Replacement of existing panel antennas with new antennas of similar size, shape, and weight, or, installation of additional antennas of similar size, shape, and weight.
- Installation of small tower mount amplifiers ("TMA's") and/or diplexers to the platform on which the panel antennas are mounted to enhance signal reception.
- Installation of additional or larger coaxial cables as required.
- Installation of an additional equipment cabinet in existing shelters, or on existing or enlarged concrete pads.

None of these modifications will extend the height of the tower.

2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as noted in the following attachments.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.

4. Radio frequency power density may increase due to use of one GSM channel for UMTS transmissions. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Cingular Wireless respectfully submits that the proposed changes at the referenced sites constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

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

Attachments

CINGULAR WIRELESS
Equipment Modification

10 Redwood Lane, Avon, CT
Site Number 5289
Former AT&T site
Exempt Modification 6/03/02

Tower Owner/Manager: SBA

Equipment configuration: Monopole

Current and/or approved: Three Allgon 7250 antennas @ 97 ft c.l.
Six runs 1 5/8 inch coax

Planned Modifications: Remove all three existing antennas
Install three Powerwave 7770 antennas @ 97 ft c.l.
Install six TMA's @ 97 ft
Install additional 5 x 5 ft concrete slab for cabinets
Install two additional outdoor cabinets

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 34.1 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would decrease to approximately 25.8 % of the standard.

Existing

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
Other Users *							19.14
Cingular GSM *	98	1900 Band	16	250	0.1498	1.0000	14.98
Total							34.1%

* Per CSC Records

Proposed

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
Other Users *							19.14
Cingular GSM	98	1900 Band	2	464	0.0347	1.0000	3.47
Cingular UMTS	98	880 - 894	1	500	0.0187	0.5867	3.19
Total							25.8%

* Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (FDH Engineering, dated 7/2/07)

FDH Engineering, Inc., 2730 Rowland Rd., Suite 100, Raleigh, NC 27615, Ph. 919.755.1012, Fax 919.755.1031

July 2, 2007

Mr. Mark Luther
SBA Network Services, Inc.
800 S. Washington Avenue
Scranton, PA 18505

RE: 106' Monopole
Site Name: Avon #5289
SBA Site ID: CT01498-S
FDH Project Number: 07-06315E

Dear Mark:

Per your request, FDH Engineering, Inc. has reviewed the original manufacturer's drawings and the proposed loading for the 106' monopole located in Avon, CT. The original design configuration by Pirod Inc. (Engineering No. A-117586 dated September 26, 2000) stipulates the tower was designed to accommodate the appurtenance loading outlined in **Table 1** on the following page.

The load resulting from the current configuration (see **Table 2**) combined with AT&T's proposed (3) Powerwave 7770 antennas and (6) Powerwave LGP 21401 TMAs with a centerline elevation at 97 ft. and corresponding (6) 1-5/8" coax (see **Table 3**) will be below that of the original design loading. Furthermore, provided the tower foundation was designed to support the tower at capacity, the foundation should meet *TIA-EIA-222-F* standards with both the proposed and existing appurtenances in place.

Our assessment has been made assuming all information provided to FDH Engineering is accurate and that the tower as been properly erected and maintained.

In conclusion, the AT&T installation should meet or exceed all applicable standards and should therefore be considered safe. Should you require additional information, please do not hesitate to contact our office.

Sincerely,

Jeremy D. Piner

Jeremy D. Piner, EI
Senior Project Engineer

Reviewed By:

J. Darrin Holt

J. Darrin Holt, PhD, PE
President
CT PE License No. 22988

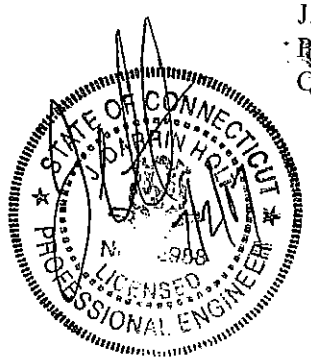


Table 1 – Design Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Description
1-12	106	(2) 1-5/8"	(12) DB896 mounted on a 13' Low Profile Platform
13-24	98	(12) 1-5/8"	(12) DB896 mounted on a 13' Low Profile Platform
25-36	90	(12) 1-5/8"	(12) DB896 mounted on a 13' Low Profile Platform
37-48	82	(12) 1-5/8"	(12) DB896 mounted on a 13' Low Profile Platform
49-60	74	(12) 1-5/8"	(12) DB896 mounted on a 13' Low Profile Platform
61	69	(1) 1-5/8" (Assumed)	(1) GPS Antenna

Table 2 – Existing Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1	106	(1) 7/8"	Farmington Woods	(1) 20' Omni
2-7	106	(12) 1-5/8" [1]	T-Mobile	(6) EMS RR901702DP (12) Allen FE15501P77-75 TMAs
8-19	97	(12) 1-5/8" [2]	AT&T	(12) Allgon 7184
20-31	87	(12) 1-5/8" [3]	Sprint	(12) Decibel DB980H90
32	30	(1) 1/2"	Sprint	(1) GPS

1. Currently T-Mobile has (3) panels, (3) TMAs and (6) coax installed at 106 ft. According to information provided by SBA, T-Mobile may install (6) antennas and (12) coax at 106 ft. Evaluation performed with full lease loading in place.
2. Currently AT&T has (3) panels, (3) TMAs and (6) coax installed at 97 ft. According to information provided by SBA, AT&T may install (12) antennas and (12) coax at 97 ft. Evaluation performed with full lease loading in place. AT&T will alter their existing loading at 97'. See proposed loading below.
3. Currently Sprint has (6) panels and (6) coax installed at 87 ft. According to information provided by SBA, Sprint may install (12) antennas and (12) coax at 87 ft. Evaluation performed with full lease loading in place.

Table 3 – Proposed Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-12	97	(12) 1-5/8" [1]	AT&T	(9) Allgon 7184 (3) Powerwave 7770 panels (6) Powerwave LGP 21401 TMAs

1. According to information provided by SBA, AT&T will remove (3) Allgon 7184 existing antennas and install (3) Powerwave 7770 antennas and (6) Powerwave LGP 21401 TMAs. AT&T will also add (6) 1 5/8" coax to the existing coax at 97 ft.

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

July 10, 2007

Philip K. Schenck, Jr., Town Manager
Town of Avon
Town Hall 60 West Main St.
Avon, Connecticut 06001-3743

Re: Telecommunications Facility – 10 Redwood Lane, Avon

Dear Mr. Schenck:

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 ("Cingular") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification 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 accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

CINGULAR WIRELESS
Equipment Modification

1 Hartford Square, New Britain, CT
Site Number 5254
Former AT&T site
Local Building Permit dated 3/8/01

Tower Owner/Manager: SBA Towers

Equipment configuration: Self Supporting Lattice

Current and/or approved: Twelve Allgon 7184 antennas @ 162 ft c.l.
Twelve runs 1 5/8 inch coax

Planned Modifications: Remove all twelve existing antennas
Install six Powerwave 7770 antennas @ 162 ft c.l.
Install six TMA's @ 162 ft
Install six diplexers @ 162 ft

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 12 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 14.2 % of the standard.

Existing

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
Other Users *							10.65
Cingular (AT&T)	161	1900 Band	4	250	0.0139	1.0000	1.39
Total							12.0%

* Per CSC Records

Proposed

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
Other Users *							10.65
Cingular GSM	162	1900 Band	4	427	0.0234	1.0000	2.34
Cingular UMTS	162	880 - 894	1	500	0.0069	0.5867	1.17
Total							14.2%

* Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (FDH Engineering, dated 7/2/07)

B 1414

CITY OF NEW BRITAIN
DEPARTMENT OF LICENSES, PERMITS
AND INSPECTIONS
TELEPHONE: 826-3383

BUILDING/ZONING PERMIT

DATE 8/14/00
COST 84,000.
FEE 1,290.

APPLICANT SBA TEL. NO. 860 659-9101

ADDRESS 80 Eastern Blvd. Glastonbury, CT

PERMIT FOR: Construct 175' Lattice Type Communication Tower per plans and specs.

LOCATION ONE HARTFORD SQUARE

BUILDING DIMENSIONS ____ FT. WIDE BY ____ FT. LONG AND ____ FT. IN HEIGHT

BUILDING TYPE ____ USE GROUP ____ LOT SIZE ____ ZONE I2

OWNER Dikwell Associates

ADDRESS 1 Hartford Sq. NB. CT

CERT. OF OCCUPANCY REQUIRED YES ✓ NO ___

AS-BUILT SURVEY REQUIRED YES ✓ NO ___

THE MATCHING APPLICATION IS PART AND PARCEL OF THIS BUILDING PERMIT.

WHERE APPLICABLE SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING AND MECHANICAL INSTALLATIONS.

APPLICANT'S COPY

BUILDING OFFICIAL

MANDATORY INSPECTIONS REQUIRED

POST PERMIT FOR DURATION OF WORK

CITY OF NEW BRITAIN

ELECTRICAL PERMIT

E 729

Job Address One Hartford Square

DATE MARCH 13, 2001

COST $ 5000.

FEE $ 105.

Permit is Granted to Dicin Electric Co. Inc Contractor's License E1-102834

Contractor's Address: 156 Cross Road Contractor's Phone (860) 442-0826
Waterford, Ct.

Property Owner: SBA

For the following Electrical Installation: Ground with #2 solid Tinned Copper Wire & install conduit & wire pre-fabbed SHELTER It is for AT&T Wireless Shelter — 200 AMPS

The condition on which this permit is granted are: that the said Electrical Work shall be done in accordance with the laws of the State of Connecticut, and the ordinances of the City of New Britain. And if any of the statements of said applicant be not true, or if any change is made in said work, without the consent of the Electrical Inspector, this permit shall be null and void. Good for six months from date. This permit may be sooner revoked for any violation, of any ordinances, statute or order of constituted authority.

BUILDING COMMISSION

APPLICANT'S COPY

By Wayne Gleffert
Electrical Inspector

NOTE: WHEN ANY WORK IS COMPLETED OR READY FOR INSPECTION THE ELECTRICAL DEPARTMENT MUST BE NOTIFIED IMMEDIATELY

CT-254

FDH Engineering, Inc., 2730 Rowland Rd., Suite 100, Raleigh, NC 27615, Ph. 919.755.1012, Fax 919.755.1031

July 2, 2007

Mr. Mark Luther
SBA Network Services, Inc.
800 S. Washington Avenue
Scranton, PA 18505

RE: 176' Self Support Tower
Site Name: New Britain * 5254
SBA Site ID: CT04382-S
FDH Project Number: 07-06316E

Dear Mark:

Per your request, FDH Engineering, Inc. has reviewed our original structural analysis report and the proposed loading for the 176' Self Support tower located in New Britain, CT. The original structural analysis report by FDH (Job No. 06-05130E dated May 25, 2006) stipulates the tower was analyzed with the current appurtenance loading outlined in **Table 1**.

It is our understanding AT&T will install (6) Powerwave 7770 antennas, (6) Powerwave LGP 21401 TMAs and (6) LGP 13519 Diplexors with a centerline elevation at 162 ft. (see **Table 2**). Given the working percentage calculated in the previous analysis, the load resulting from the existing and proposed loading will not overstress the tower and will be within *TIA-EIA-222-F* standards. Furthermore, provided the tower foundation was constructed to support the tower's original design loading, the foundation should meet *TIA-EIA-222-F* standards with both the proposed and existing appurtenances in place.

Our assessment has been made assuming all information provided to FDH Engineering is accurate and that the tower as been properly erected and maintained.

In conclusion, the AT&T installation should meet or exceed all applicable standards and should therefore be considered safe. Should you require additional information, please do not hesitate to contact our office.

Sincerely,

Jeremy D. Piner

Jeremy D. Piner, EI
Senior Project Engineer

Reviewed By:

J. Darrin Holt

J. Darrin Holt, PhD, PE
President
CT PE License No. 22988

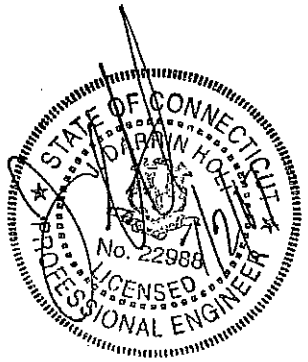


Table 1 – Existing Appurtenance Loading

Antenna No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-12	172	(12) 1-1/4"	Nextel	(12) Decibel DB844H90E-XY
13-24	162	(12) 1-5/8" [1]	AT&T	(12) Allgon 7184
25-30	152	(12) 1-5/8"	T-Mobile	(6) EMS RR90-17-02DP + (6) MHAs
31-42	140	(12) 1-5/8"	Verizon	(6) Antel WPA 80090/4 (6) Decibel DB948F85T2E-M

1. AT&T will alter their existing loading at 162'. See proposed loading below.

Table 2 – Proposed Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-12	162	(12) 1-5/8" [1]	AT&T	(6) Allgon 7184 (6) Powerwave 7770 (6) Powerwave LGP 21401 TMAs (6) LGP 13519 Diplexors

1. According to information provided by SBA, AT&T will remove (6) Allgon 7184 and install (6) Powerwave 7770 antennas, (6) Powerwave LGP 21401 TMAs, and (6) LGP 13519 Diplexors at 162 ft.

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

July 10, 2007

Honorable Timothy T. Stewart, Mayor
City of New Britain
City Hall 27 West Main St.
New Britain, CT 06051-2298

Re: Telecommunications Facility – 1 Hartford Square, New Britain

Dear Mayor Stewart:

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 ("Cingular") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification 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 accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

CINGULAR WIRELESS
Equipment Modification

86 Voluntown Road, Stonington, CT
Site Number 5231
Former AT&T Wireless Cell Site
Exempt Modifications 5/10/01, 10/23/02, and 3/11/03

Tower Owner/Manager: SBA

Equipment configuration: Monopole

Current and/or approved: Six Allgon 7250 antennas @ 150 ft c.l.
Twelve runs 1 5/8 inch coax
Two existing concrete slabs with four outdoor cabinets

Planned Modifications: Remove all existing antennas
Install six Powerwave 7770 antennas at 150 ft c.l.
Install six TMA's and six diplexers @ 150 ft
Install one additional outdoor cabinet for UMTS

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 6.1 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 7.9 % of the standard.

Existing

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
Other Users *							4.34
Cingular GSM *	150	1900 Band	4	275	0.0176	1.0000	1.76
Total							6.1%

* Per CSC Records

Proposed

Other Users *							4.34
Cingular UMTS	150	880 - 894	1	500	0.0080	0.5867	1.36
Cingular GSM	150	1900 Band	2	676	0.0216	1.0000	2.16
Total							7.9%

* Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (FDH Engineering, dated 7/2/07)

FDH Engineering, Inc., 2730 Rowland Rd., Suite 100, Raleigh, NC 27615, Ph. 919.755.1012, Fax 919.755.1031

July 2, 2007

Mr. Mark Luther
SBA Network Services, Inc.
800 S. Washington Avenue
Scranton, PA 18505

RE: 195' Monopole
Site Name: Stonington East #5231
SBA Site ID: CT00595-S
FDH Project Number: 07-0210E

Dear Mark:

Per your request, FDH Engineering, Inc. has reviewed our original structural analysis report and the proposed loading for the 195' monopole located in Stonington, CT. The original structural analysis report by FDH (Job No. 07-0210E dated February 8, 2007) stipulates the tower was analyzed with the current appurtenance loading outlined in **Table 1**.

It is our understanding AT&T will install (6) Powerwave 7770 antennas, (6) Powerwave LGP 21401 TMAs and (6) LGP 13519 Diplexors with a centerline elevation at 150 ft. and corresponding (12) 1-5/8" coax lines (see **Table 2**). Given the working percentage calculated in the previous analysis, the load resulting from the existing and proposed loading will not overstress the tower and will be within *TIA-EIA-222-F* standards. Furthermore, provided the tower foundation was constructed to support the tower's original design loading, the foundation should meet *TIA-EIA-222-F* standards with both the proposed and existing appurtenances in place.

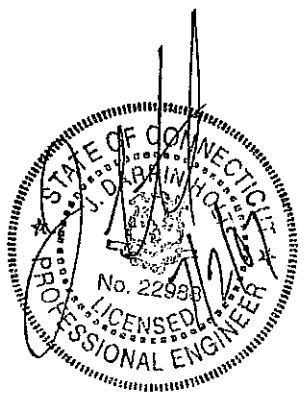
Our assessment has been made assuming all information provided to FDH Engineering is accurate and that the tower as been properly erected and maintained.

In conclusion, the AT&T installation should meet or exceed all applicable standards and should therefore be considered safe. Should you require additional information, please do not hesitate to contact our office.

Sincerely,

Jeremy D. Piner

Jeremy D. Piner, EI
Senior Project Engineer



Reviewed By:

J. Darrin Holt

J. Darrin Holt, PhD, PE
President
CT PE License No. 22988

Table 1 – Existing Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-6	193	(6) 1-5/8"	Sprint	(6) Decibel DB980H90E-M
7-15	180	(9) 1-5/8"	Nextel	(9) Swedcom ALP9212
16-21	165	(12) 1-5/8"	T-Mobile	(6) EMS RV65-18-XXDPL2 + (6) TMA's
22-27	150	(12) 1-5/8" [1]	AT&T	(6) Allgon 7184 + (6) TMA's
28-39	140	(12) 1-5/8"	Verizon	(6) Antel RWA-80014 (6) Antel LPA-185063/8CF
---	30	---	Sprint	(1) GPS

1. AT&T will alter their existing loading at 150'. See the proposed loading below.

Table 2 – Proposed Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-12	150	(12) 1-5/8" [1]	AT&T	(6) Allgon 7184 (6) Powerwave 7770 (6) Powerwave LGP 21401 TMAs (6) LGP 13519 Diplexors

1. According to information provided by SBA, AT&T will remove (6) Allgon 7184 existing antennas and install (6) Powerwave 7770 antennas, (6) Powerwave LGP 21401 TMAs, and (6) LGP 13519 Diplexors at 162 ft.

cingular raising the bar™ The new at&t Your world. Delivered.

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

July 10, 2007

Honorable William S. Brown
1st Selectman, Town of Stonington
Town Hall 152 Elm St.
Stonington, CT 06378-0352

Re: Telecommunications Facility – 86 Voluntown Road, Stonington

Dear Mr. Brown:

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 ("Cingular") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification 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 accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

CINGULAR WIRELESS
Equipment Modification

45 Fargo Road, Waterford, CT
Site Number 2079
Exempt Modifications 2/8/01 and 8/15/02

Tower Owner/Manager: SBA

Equipment configuration: Monopole

Current and/or approved: Nine CSS DUO1417 antennas @ 143 ft c.l.
Nine runs 1 1/4 inch coax
Six TMA's / three diplexers

Planned Modifications: Remove three CSS antennas
Install three Powerwave 7770 antennas at 143 ft c.l.
Install three additional diplexers @ 143 ft (total of 6)
Install three additional runs 1 1/4 inch coax (total of 12)

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 17.5 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 15.1 % of the standard.

Existing

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
Other Users *							9.42
Cingular TDMA *	143	880 - 894	16	100	0.0281	0.5867	4.80
Cingular GSM *	143	880 - 894	2	296	0.0104	0.5867	1.77
Cingular GSM *	143	1900 Band	2	427	0.0150	1.0000	1.50
Total							17.5%

* Per CSC Records

Proposed

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
Other Users *							9.42
Cingular UMTS	143	880 - 894	1	500	0.0088	0.5867	1.50
Cingular GSM	143	1900 Band	2	427	0.0150	1.0000	1.50
Cingular GSM	143	880 - 894	3	296	0.0156	0.5867	2.66
Total							15.1%

* Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (FDH Engineering, dated 7/2/07)

FDH Engineering, Inc., 2730 Rowland Rd., Suite 100, Raleigh, NC 27615, Ph. 919.755.1012, Fax 919.755.1031

July 2, 2007

Mr. Mark Luther
SBA Network Services, Inc.
800 S. Washington Avenue
Scranton, PA 18505

RE: 183' Monopole
Site Name: Waterford
SBA Site ID: CT01002-S
FDH Project Number: 07-06313E

Dear Mark:

Per your request, FDH Engineering, Inc. has reviewed our original structural analysis report and the proposed loading for the 183' monopole located in Waterford, CT. The original structural analysis report by FDH (Job No. 05-0876E dated August 30, 2005) stipulates the tower was analyzed with the current appurtenance loading outlined in **Table 1**.

It is our understanding AT&T will install (3) Powerwave 7770 antennas and (3) LGP 13519 Diplexors with a centerline elevation at 143 ft. and corresponding (3) 1-1/4" coax lines (see **Table 2**). Given the working percentage calculated in the previous analysis, the load resulting from the existing and proposed loading will not overstress the tower and will be within *TIA-EIA-222-F* standards. Furthermore, provided the tower foundation was constructed to support the tower's original design loading, the foundation should meet *TIA-EIA-222-F* standards with both the proposed and existing appurtenances in place.

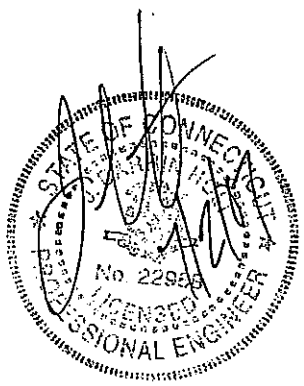
Our assessment has been made assuming all information provided to FDH Engineering is accurate and that the tower as been properly erected and maintained.

In conclusion, the AT&T installation should meet or exceed all applicable standards and should therefore be considered safe. Should you require additional information, please do not hesitate to contact our office.

Sincerely,

Jeremy D. Piner

Jeremy D. Piner, EI
Senior Project Engineer



Reviewed By:

J. Darrin Holt

J. Darrin Holt, PhD, PE
President
CT PE License No. 22988

Table 1 – Existing Appurtenance Loading

Antenna	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-12	183	(9) 1-5/8" (3) 1-1/4"	Nextel	(12) Decibel DB844H90E-XY
13-27	173	(15) 1-5/8"	Verizon	(6) Decibel DB948F85T2E (9) Decibel DB844H80E-XY
28-39	163	(12) 1-5/8" [1]	Old AT&T	(12) Allgon 7184
40-51	153	(12) 1-5/8"	T-Mobile	(6) EMS RR90-17-02DP
52-60	143	(9) 1-1/4" [2]	New AT&T	(9) CSS DUO4-8670

1. The existing antennas and coax for AT&T will be removed, but the empty platform will remain at 163'.
2. New AT&T will alter their existing loading at 143'. See proposed loading below.

Table 2 – Proposed Appurtenance Loading

No.	Centerline Elevation (ft)	Coax and Lines	Carrier	Description
1-12	143	(12) 1-5/8" [1]	New AT&T	(12) Allgon 7184 (3) Powerwave 7770 (3) LGP 13519 Diplexors

1. According to information provided by SBA, New AT&T will remove (3) Allgon 7184 antennas and install (3) Powerwave 7770 antennas, (6) LGP 13519 Diplexors, and (3) 1-1/4" coax at 143 ft.

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

July 10, 2007

Honorable Daniel M. Steward
1st Selectman, Town of Waterford
Town Hall 15 Rope Ferry Rd.
Waterford, CT 06385-2806

Re: Telecommunications Facility – 45 Fargo Road, Waterford

Dear Mr. Steward:

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 ("Cingular") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification 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 accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

CINGULAR WIRELESS
Equipment Modification

782 Old Clinton Road, Westbrook, CT
Site Number 2199
Petition 511

Tower Owner/Manager: Crown Castle

Equipment configuration: Monopole

Current and/or approved: Nine CSS DUO1417 antennas @ 98 ft c.l.
Nine runs 1 5/8 inch coax
Six TMA's / three diplexers @ 98 ft

Planned Modifications: Remove three existing antennas
Install three Powerwave 7770 antennas @ 98 ft c.l.
Install three additional diplexers @ 98 ft (total of 6)
Install three additional runs 1 5/8 inch coax (total of 12)

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 30.9 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 29.4 % of the standard.

Existing

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
Other Users *							19.21
CingularTDMA *	100	880 - 894	19	100	0.0683	0.5867	11.64
Total							30.9%

* Per CSC Records

Proposed

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
Other Users *							19.21
Cingular GSM	98	880 - 894	2	296	0.0222	0.5867	3.78
Cingular GSM	98	1900 Band	2	427	0.0320	1.0000	3.20
Cingular UMTS	98	880 - 894	1	500	0.0187	0.5867	3.19
Total							29.4%

* Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (B&T Engineering, Inc., dated 7/2/07)

The new  at&t
Your world. Delivered.

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

July 10, 2007

Honorable John A. Raffa
1st Selectman, Town of Westbrook
Town Hall 866 Boston Post Rd.
Westbrook, CT 06498-1881

Re: Telecommunications Facility – 782 Old Clinton Road, Westbrook

Dear Mr. Raffa:

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 ("Cingular") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification 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 accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

July 2, 2007

Mr. Ben Goodhart
Crown Castle International
9105 Monroe Road, Suite 150
Charlotte, NC 28270
(678) 366-1223

B&T Engineering, Inc.
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630
ctuttle@btengineering.com

Subject:	**Structural Analysis Report**	
Carrier Designation:	**Cingular Wireless Co-Locate**	
	Carrier Site Number:	*2199*
	Carrier Site Name:	*Westbrook – Old Clinton Road*
Crown Castle Designation:	**Crown Castle BU Number:**	*876339*
	Crown Castle Site Name:	*Pond Meadow Rd.Stable*
	Crown Castle JDE Job Number:	*89012*
Engineering Firm Designation:	**B&T Engineering Project Number:**	***77937***
Site Data:	**782 Old Clinton Road, Westbrook, CT, Middlesex County**	
	Latitude 41°-17-26.016", Longitude -72°-28'-8.004"	
	160 Foot – Monopole Tower	

Dear Mr. Goodhart,

B&T Engineering is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the aforementioned tower. This analysis has been performed in accordance with the Crown Castle Structural 'Statement of Work' and the terms of Crown Castle Purchase Order Number 243570, in accordance with Application 45868, Revision 1.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

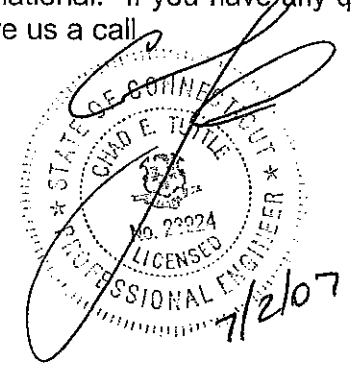
LC1: Existing + Reserved + Proposed Equipment **Sufficient Capacity**
Note: See Table I and Table II for the proposed and existing/reserved loading.

The analysis has been performed in accordance with the TIA/EIA 222-F standard based upon a wind speed of 90 mph fastest mile.

All equipment proposed in this report shall be installed in accordance with the attached drawings for the determined available structural capacity to be effective.

We at B&T Engineering appreciate the opportunity of providing our continuing professional services to you and Crown Castle International. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted,



Chad E. Tuttle, P.E.
President

TABLE OF CONTENTS

1) INTRODUCTION

The subject tower is a 160 foot tapered monopole manufactured in 1998 by Valmont and reinforced in 2002 by Semaan Engineering Solutions.

2) ANALYSIS CRITERIA

Specific code

- TIA/EIA-222-F – 85 mph fastest mile wind speed
- 2005 Connecticut State Building Code – 115 mph 3-second gust

The controlling wind speed for this analysis was derived from the Connecticut State Building Code. The wind pressures resulting from a 90 mph fastest mile wind speed (per TIA/EIA-222-F) exceed the pressures for a 115 mph 3-second gust therefore the tower was analyzed for a 90 mph fastest mile wind speed with no ice and 78 mph with ½" radial ice.

Table 1 – Proposed Antenna and Cable Information

Center Line Elev. (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount	Number of Feed Lines	Feed Line Size (in)
98	6 3 6 6	CSS Powerwave ADC Powerwave	DUO1417-8686 770.00 DB 800/1900 FB MH LGP13519	Existing	3	1 5/8

Table 2 – Existing and Reserved Antenna and Cable Information

Center Line Elev. (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount	Number of Feed Lines	Feed Line Size (in)
160	6	Decibel	DB980H90E-M	Platform w/ Rails	9	1 5/8
153	12	Allgon	7130.16	(3) T-Arms	12	1 1/4
145	3	EMS Wireless	RR90-17-02DP	Platform w/ Rails	6	1 5/8
110	6 6	Decibel Decibel	DB844H90-XY DB948F85T2E-M	LP Platform	12	1 5/8
98#**	3 (MLA) **9 (remove)**	-- **Decibel**	84"x14" Panel **DB846H80**	(3) T-Arms	9	1 5/8
75	2	--	GPS Antenna	Standoff	3	1/2
75	1 (MLA)	--	GPS Antenna	Standoff	1 (MLA)	1 5/8

(r) – Reserved.
*Refer to Cable Routing Drawing in Appendix B for Feedline Placement.
**** Designated Antennas to be removed.**

Table 3 – Design Antenna and Cable Information

Center Line Elev. (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount	Number of Feed Lines	Feed Line Size (in)
157	12	Decibel	DB980H	Platform	--	--
150	12	Swedcom	ALP9212-N	Platform	--	--
140	12	Allgon	ALP9212-N	Platform	--	--
100	2	--	15' Whip Antennas	--	--	--
98.5	1	--	GPS Antenna	Standoff	--	--

3) ANALYSIS PROCEDURE

Table 4 – Documents Provided

Document	Remarks	Reference	Source
Tower Manufacturer Drawings	Valmont	CCI Doc ID# 1531985	CCIsites
Foundation Drawings	Valmont	CCI Doc ID# 1533020	CCIsites
Geotech Report	Dr. Clarence Welti Geotechnical	CCI Doc ID# 1532966	CCIsites
Tower Reinforcement Drawings	Mod Drawings by Semaan Engineering Solutions	CCI Doc ID# 1800921	CCIsites
Antenna Configuration	Configuration Change Check List	Date: 6/27/07	CCIsites

3.1) Analysis Method

RISA Tower (version 5.0.2.1), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various dead, live, wind, and ice load cases. All loads were computed in accordance with the ANSI/EIA/TIA 222F or the local building code requirements. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

1. This structural analysis **does not** include a grouted base plate.
2. Tower and structures were built in accordance with the manufacturer's specifications.
3. The tower and structures have been maintained in accordance with manufacturer's specifications.
4. The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
5. When applicable, transmission cables are considered to be structural components for calculating wind loads, as allowed by TIA/EIA-222F.

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and B&T Engineering, Inc. should be allowed to review any new information to determine its effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 5 – Tower Component Stresses vs. Capacity – LC1

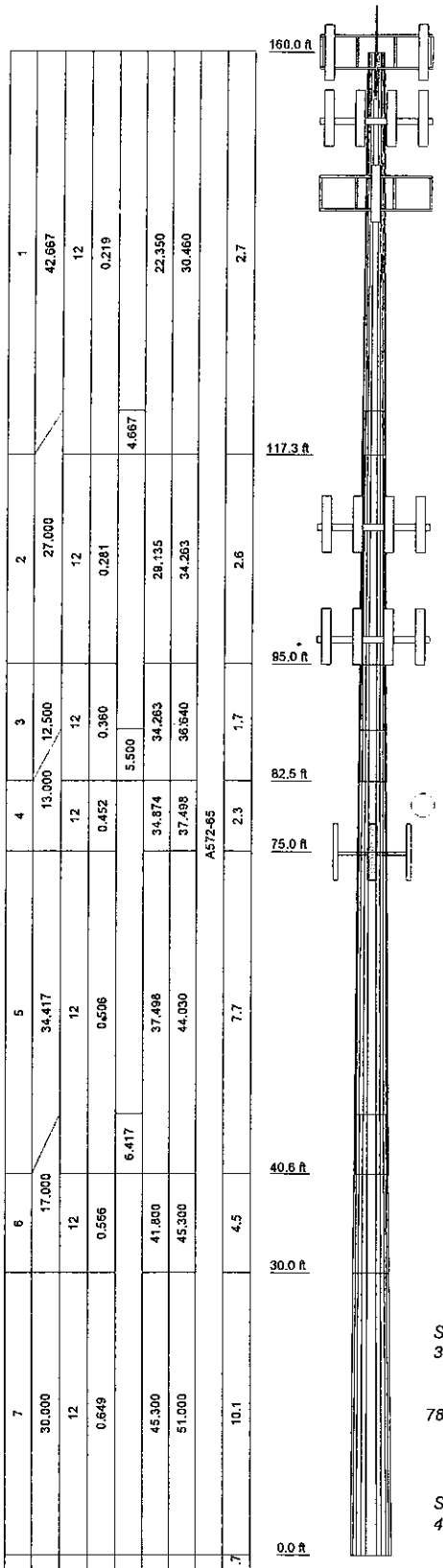
Notes	Component	Elevation (ft)	% Capacity	Pass/Fail
RISA Tower Analysis Summary:				
			Summary	
Notes:	**Component**	**Elevation (ft)**	**% Capacity**	**Pass/Fail**
	L1	160 - 117.333	69.7	Pass
	L2	117.333 - 95	86.4	Pass
	L3	95 - 82.5	75.4	Pass
	L4	82.5 - 75	72.6	Pass
	L5	75 - 40.5833	79.7	Pass
	L6	40.5833 - 30	79.8	Pass
	L7	30 - 0	76.2	Pass
Individual Components:				
Notes:	**Component**	**Elevation**	**% Capacity**	**Pass/Fail**
1	Base Plate	Base	6.8	Pass
1	Anchor Bolts	Base	86.4	Pass
1	Base Foundation (Analysis)	Base	96.2	Pass
Structure Rating (max from all components) =				**96.2%**

*Notes:

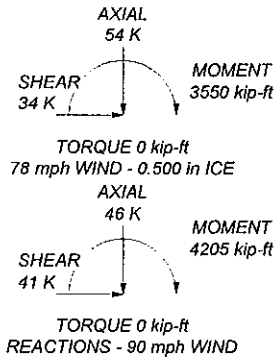
1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity listed.
2) Capacities up to 105% are considered acceptable based on analysis procedures used.

4.1) Recommendations

N/A



Section	7	6	5	4	3	2	1
Length (ft)	30.000	17.000	34.417	13.000	12.500	27.000	42.667
Number of Sides	12	12	12	12	12	12	12
Thickness (in)	0.649	0.556	0.506	0.452	0.360	0.281	0.219
Lap Splice (ft)		6.417			5.500		4.667
Top Dia (in)	45.300	41.860	37.498	34.874	34.263	29.135	22.350
Bot Dia (in)	51.000	45.300	44.030	37.498	36.640	34.263	30.460
Grade				A572-65			
Weight (K) 31.7	10.1	4.5	7.7	2.3	1.7	2.6	2.7



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod (Existing)	160	(2) DUO1417-8686 (Proposed)	98
(2) DB980H90E-M (Existing)	160	(2) DUO1417-8686 (Proposed)	98
(2) DB980H90E-M (Existing)	160	(2) DUO1417-8686 (Proposed)	98
(2) DB980H90E-M (Existing)	160	7770.00 (Proposed)	98
Platform With Rails (Existing)	160	7770.00 (Proposed)	98
(4) 7130.16 (Existing)	153	7770.00 (Proposed)	98
(4) 7130.16 (Existing)	153	84"x14" Panel (MLA)	98
(4) 7130.16 (Existing)	153	84"x14" Panel (MLA)	98
(3) T-Arms (Existing)	153	84"x14" Panel (MLA)	98
RR90-17-02DP (Existing)	145	(6) ADC DB 800/1900 FB Masthead (Proposed)	98
RR90-17-02DP (Existing)	145		
RR90-17-02DP (Existing)	145	(6) LGP13519 Diplexer (Proposed)	98
Platform With Rails (Existing)	145	(3) T-Arms (Existing)	98
(2) DB844H90-XY (Existing)	110	GPS Antenna (Existing)	75
(2) DB844H90-XY (Existing)	110	GPS Antenna (Existing)	75
(2) DB844H90-XY (Existing)	110	GPS Antenna (MLA)	75
(2) DB948F85T2E-M (Existing)	110	Standoff Arm (Existing)	75
(2) DB948F85T2E-M (Existing)	110	Standoff Arm (Existing)	75
(2) DB948F85T2E-M (Existing)	110	Standoff Arm (Existing)	75
Low Profile Platform (Existing)	110		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Middlesex County, Connecticut.
2. Tower designed for a 90 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 78 mph basic wind with 0.50 in ice.
4. Deflections are based upon a 50 mph wind.
5. TOWER RATING: 86.4%

B&T Engineering, Inc.
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 77937 - Pond Meadow Rd, CT(BU# 876339)		
Project: 162' Reinforced Monopole / App ID: 45868, Rev 1		
Client: Crown Castle Intenational	Drawn by: CT	App'd:
Code: TIA/EIA-222-F	Date: 07/05/07	Scale: NTS
Path:		Dwg No. E-1

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

July 11, 2007

The Honorable Richard W. Hines
Chairman Town Council
Town of Avon
60 West Main Street
Avon, CT 06001-3743

RE: **EM-CING-004-089-137-152-154-070710** – New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 10 Redwood Lane, Avon; 1 Hartford Square, New Britain; 86 Voluntown Road, Stonington; 45 Fargo Road, Waterford; and 782 Old Clinton Road, Westbrook, Connecticut.

Dear Mr. Hines:

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 July 26, 2007, 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 July 24, 2007.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Steven V. Kushner, Town Planner, Town of Avon