



April 3, 2015

Melanie A. Bachman  
Executive Director  
Connecticut Siting Council  
10 Franklin Street  
New Britain, CT 06051

Regarding: Notice of Exempt Modification – Addition of 3 radio heads previously approved  
Property Address: 1294 Pleasant Valley Road, North Groton CT (the “Property”)  
Applicant: AT&T Mobility (“AT&T”)

Dear Ms. Bachman:

AT&T currently maintains a wireless telecommunications facility on an existing 150’ Monopole (“tower”) location on the Property. AT&T’s facility consists of twelve (12) wireless telecommunications antennas at 127’ feet. The tower is controlled by SBA Towers LLC. The Council approved the previous application on May 16, 2014, reference number TS-AT&T-059T-131115. This application (attached) granted AT&T the use of 6 radio heads at this location. The approval expired one year from the issue date. During that time AT&T made the changes to the site per the approval but only installed three (3) of the six (6) radio heads that they received approval. AT&T would now like to install the additional three (3) radio heads that were originally approved under TS-AT&T-059T-131115 .

Please accept this application as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72 (b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Mayor, and the Town Planner for the Town of Groton. A copy of this letter is also being sent to AT&T Towers, the owner of the structure that AT&T is located.

The planned modifications to AT&T’s facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The planned modifications will not result in an increase in the height of the existing structure. AT&T’s additional, previously approved 3 radio heads will be installed at 127 foot level of the 140 foot monopole.
2. The proposed modifications will not involve any changes to ground-mounted equipment and, therefore will not require an extension of the site boundary.
3. The proposed modification will not increase the noise level at the facility by six decibel or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety



standard. An RF emissions calculation (attached) for AT&T's modified facility was provided in the application which led to the May 16, 2014 Decision.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The tower and its foundation can support AT&T's proposed modifications. (Please see attached Structural analysis completed by FDH ON April 8, 2014).

For the foregoing reasons AT&T respectfully requests that the proposed addition of 3 radio heads previously approved be allowed within the exempt modifications under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

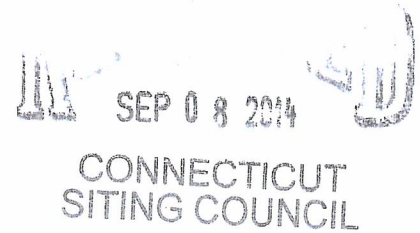
A handwritten signature in black ink that reads "David P. Cooper".

David P. Cooper  
Director of Site Acquisition  
Empire Telecom

CC: Rita M. Schmidt, Mayor, Town of Groton  
Mark Oefinger, Town Manager, Town of Groton  
Deborah G. Jones Director Planning, Town of Groton  
JFM Enterprises LLC, Property Owner  
SBA



CT 2820



August 28, 2014  
Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

RE: TS-AT&T-059T-131115 Notice of Completion of Construction for New Cingular Wireless/ AT&T facility at 1294 PLEASANT VALLEY ROAD NORTH, GROTON, CT (ATT NO. CT2820)

Dear Ms. Bachman:

The purpose of this letter is to notify you that construction activity associated with the above-referenced decision has been completed.

As part of the decision conditions, the coax was installed in accordance with the recommendation of the Structural Analysis prepared by FDH Engineering, dated October 30, 2013, and stamped by Mr. Christopher Murphy.

If you have any questions or need any additional information regarding this facility, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Bill Daniels". The signature is written in a cursive style and is followed by a long, horizontal, slightly curved line that extends across the width of the page.

Bill Daniels  
Empire Telecom  
Agent for New Cingular Wireless/AT&T Mobility, Inc.  
16 Esquire Road  
Billerica, MA 01862

Cc: Christine Vergati, Cuddy Feder (via email only)



SEP 08 2014

CONNECTICUT  
SITING COUNCIL

August 28, 2014  
Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

RE: TS-AT&T-059T-131115 Notice of Completion of Construction for New Cingular Wireless/ AT&T facility at 1294 PLEASANT VALLEY ROAD NORTH, GROTON, CT (ATT NO. CT2820)

Dear Ms. Bachman:

The purpose of this letter is to notify you that construction activity associated with the above-referenced decision has been completed.

As part of the decision conditions, the coax was installed in accordance with the recommendation of the Structural Analysis prepared by FDH Engineering, dated October 30, 2013, and stamped by Mr. Christopher Murphy.

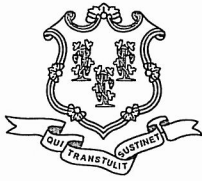
If you have any questions or need any additional information regarding this facility, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Bill Daniels". The signature is stylized and includes a large, sweeping flourish that extends across the page.

Bill Daniels  
Empire Telecom  
Agent for New Cingular Wireless/AT&T Mobility, Inc.  
16 Esquire Road  
Billerica, MA 01862

Cc: Christine Vergati, Cuddy Feder (via email only)



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)

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

May 16, 2014

Steven Quinn  
Smartlink  
33 Boston Post Road West  
Marlborough, MA 01752

RE: **TS-AT&T-059T-131115** – New Cingular Wireless PCS, LLC request for an order to approve the shared use of an existing telecommunications facility located at 1294 Pleasant Valley Road North, Groton, Connecticut. **Request to Revise.**

Dear Mr. Quinn:

At a public meeting of the Connecticut Siting Council (Council) held on May 15, 2014, the Council approved the requested amendment dated April 16, 2014, to the above-referenced tower share request that was originally approved by the Council on December 12, 2013, with the following conditions:

- The proposed coax and the accessory equipment shall be installed in accordance with the recommendations made in the Structural Analysis Report prepared by FDH Engineering dated April 8, 2014 and stamped by Bradley Newman; and
- Not more than 45 days following completion of the antenna installation, AT&T shall provide documentation certifying that its installation complied with the engineer's recommendation.

This decision is under the exclusive jurisdiction of the Council. This facility has 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. 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 the requested tower share amendment 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 tower share request letter dated November 13, 2013 and the request for an amendment letter dated April 16, 2014, including the placement of all necessary equipment and shelters within the tower compound.

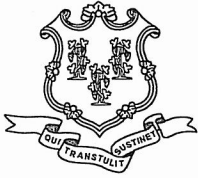
Very truly yours,

A handwritten signature in black ink that reads "Robert Stein" with the initials "MAB" written to the right.

Robert Stein  
Chairman

RS/CDM/cm

c: The Honorable Rita M. Schmidt, Mayor, Town of Groton  
Mark Oefinger, Town Manager, Town of Groton  
Deborah G. Jones, Acting Director of Planning and Development, Town of Groton  
SBA



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)

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

April 22, 2014

The Honorable Rita M. Schmidt  
Mayor  
Groton Town Hall  
45 Fort Hill Road  
Groton, CT 06340

RE: **TS-AT&T-059T-13115** – New Cingular Wireless PCS, LLC request for an order to approve the shared use of an existing telecommunications facility located at 1294 Pleasant Valley Road North, Groton, Connecticut. **Request to Revise.**

Dear Mayor Schmidt:

Pursuant to Connecticut General Statutes § 16-50aa, the Connecticut Siting Council (Council) is in receipt of a request to revise a previously approved request to share an existing telecommunications facility in the Town of Groton. The original request to share an existing telecommunications facility dated November 13, 2013, was approved by the Council on December 12, 2013.

In accordance with Section 16-50j-89 of the Regulations of Connecticut State Agencies, written notice of the request to revise a previously approved request to share the existing telecommunications facility was provided to the Council, the property owner of record and the chief elected official of the municipality in which the existing telecommunications facility is located on April 16, 2014.

The Council will consider this request to revise at a future public meeting. A copy of the meeting agenda will be sent to you.

Should you have any questions or comments regarding the above-referenced request, please feel free to call me at 860-827-2951 or submit written comments to the Council by May 6, 2014.

Thank you for your cooperation and consideration.

Very truly yours,

Melanie Bachman  
Acting Executive Director

MB/CDM/laf

c: Mark Oefinger, Town Manager, Town of Groton  
Deborah G. Jones, Acting Director of Planning and Development, Town of Groton

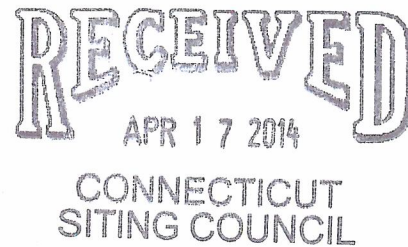


ORIGINAL

Via Overnight Delivery

April 16, 2014

Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051



**Re:** Request to Revise a Previously Approved Tower Share Application  
**Property Address:** 1294 Pleasant Valley Road North, Groton, CT 06340 (the "Property")  
**Applicant:** New Cingular Wireless PCS, LLC d/b/a AT&T ("AT&T")

Dear Ms. Bachman:

On behalf of AT&T, please accept this correspondence as a request to revise a previously approved tower share installation. Enclosed please find an original and fifteen (15) copies of the correspondence package along with a check in the amount of six hundred and twenty five (\$625.00) dollars.

On November 13, 2013 AT&T submitted an application to the Connecticut Siting Council (the "Council") for an order to approve the shared use of an existing tower and compound on the Property (the "Tower" and collectively, the "Facility"), pursuant to Connecticut General Statute § 16-50aa, as amended (the "Statute"). During its hearing on December 12, 2013, the Council approved AT&T's shared use application. Subsequently, the Council issued the approval order on December 13, 2013 (see Tab 1 attached herewith).

AT&T requests to revise its previously approved installation as follows:

- Panel Antennas (no change):
  - Previous Design: Twelve (12), eight foot (8') panel antennas
  - Revised Design: Twelve (12), eight foot (8') panel antennas
    - Note that the number and size of the antennas has not changed but their models have (see attached structural analysis)

- Remote Radio Head:
  - Previous Design: 18
  - Revised Design: 27
  
- Equipment Shelter
  - Previous Design: 11.5' x 16'
  - Revised Design: 11.5' x 16'
  
- Structural Analysis Conclusion:
  - Previous Design: "have the necessary capacity to support both the proposed and existing loading."
  - Revised Design: "have the necessary capacity to support both the proposed and existing loading."
  
- Power Density Calculations:
  - Previous Design:
    - AT&T's MPE: 8.42%
    - Total MPE: 28.77%
  - Revised Design
    - AT&T's MPE: 9.50%
    - Total MPE: 29.85%

AT&T's proposed revisions to its previously approved shared use installation continue to meet all of the requirements set forth in the Statute. AT&T's revised design is technically, legally, economically and environmentally feasible, will meet public safety concerns, will avoid the unnecessary proliferation of towers and is in the public interest. Consequently, AT&T respectfully requests that the Council issue an order approving the proposed sharing use of the Facility.

Sincerely,

  
Steven J. Quinn

Enclosures

Cc w/enclosurers:  
Marian K. Galbraith, Mayor, Town of Groton  
JFM Enterprises LLC, Property Owner



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A REQUEST TO THE CONNECTICUT SITING COUNCIL  
TO REVISED A PREVIOUSLY APPROVED  
APPLICATION FOR A SHARED USE OF AN EXISTING TOWER

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APPLICANT

New Cingular Wireless PCS, LLC (AT&T)  
500 Enterprise Drive, Suite 3A  
Rocky Hill, CT 06067

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TOWER/PROPERTY ADDRESS

1294 Pleasant Valley Road North  
Groton, CT 06340

---

PREPARED BY: Steven J. Quinn  
Real Estate and Land Use Specialist  
Smartlink, LLC  
33 Boston Post Road West  
Marlborough, Massachusetts 01752  
774-219-8022  
[steven.quinn@smartlinkllc.com](mailto:steven.quinn@smartlinkllc.com)

Date Submitted: April 16, 2014

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APPLICANT

New Cingular Wireless PCS, LLC (AT&T)  
500 Enterprise Drive, Suite 3A  
Rocky Hill, CT 06067

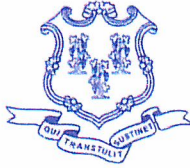
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TOWER/PROPERTY ADDRESS

1294 Pleasant Valley Road North  
Groton, CT 06340

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Tower Share Approval	Tab 1
Certificate of Service	Tab 2
Engineering Drawings	Tab 3
Structural Analysis	Tab 4
Lease Agreement	Tab 5
Power Density Calculations	Tab 6



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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

December 13, 2013

Adam F. Braillard  
Regional Land Use Manager  
Smartlink, LLC  
33 Boston Post Road West  
Marlborough, MA 01752

RE: **TS-AT&T-059T-131115** - New Cingular Wireless PCS, LLC request for an order to approve the shared use of an existing telecommunications facility located at 1294 Pleasant Valley Road North, Groton, Connecticut.

Dear Mr. Braillard:

At a public meeting held December 12, 2013, 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 with the following conditions:

- The proposed coax shall be installed and utilized in accordance with the recommendations made in the Structural Analysis Report prepared by FDH Engineering dated October 30, 2013 and stamped by Christopher Murphy; and
- Within 45 days following completion of the antenna installation, AT&T shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis.
- Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including 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;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.



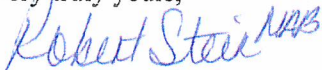
This decision is under the exclusive jurisdiction of the Council. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from this format may result in the 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 November 13, 2013, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.

Very truly yours,



Robert Stein  
Chairman

RS/CDM/laf

- c: The Honorable Heather B. Somers, Mayor, Town of Groton
- Mark Oefinger, Town Manager, Town of Groton
- Michael J. Murphy, AICP, Director of Planning and Development, Town of Groton
- Kenneth C. Baldwin, Esq., Robinson & Cole LLP (o/b/o Verizon)

CERTIFICATE OF SERVICE

This is to certify that on the 16<sup>th</sup> day of April, 2014, the foregoing application by AT&T for an Order to Amend an Approved Shared Use of an Existing Tower was sent, via UPS, to the following:

Mayor Marian K. Galbraith  
City of Groton  
295 Meridian Street  
Groton, CT 06340  
860-446-4103

and

JFM Enterprises LLC  
c/o Jennifer Macierowski  
31 Atlanta Ct.  
Groton, CT 06340  
860-448-0128

By: Steven J. Quinn  
Steven J. Quinn

ALL EQUIPMENT LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO APPROVAL BY LESSEE/LICENSEE STRUCTURAL & RF ENGINEERS.  
 LOCATIONS OF POWER & TELEPHONE FACILITIES ARE SUBJECT TO APPROVAL BY UTILITY COMPANIES.

\*EQUIPMENT SPECIFICATIONS AND UTILITY EASEMENTS AS REQUIRED BY TELCO AND POWER COMPANY.



APPROX.  
TRUE NORTH

**SITE PLAN**  
SCALE: NTS



REV 2

**SITE NO:** S2820-A  
**SITE NAME:** GROTON PLEASANT VALLEY ROAD NORTH  
**ADDRESS:** 1294 PLEASANT VALLEY ROAD N.  
 GROTON, NEW LONDON, CT 06340

  
**smartlink**  
 1997 ANNAPOLIS EXCHANGE PKWY  
 SUITE 200  
 ANNAPOLIS, MD 21401

 **at&t**  
 550 COCHITUATE ROAD  
 FRAMINGHAM, MA 01701

<b>SITE TYPE:</b>	<b>DATE:</b>
SITE PLAN	12/16/13
<b>DRAWN BY:</b>	<b>SCALE:</b>
GC	NTS

PROPOSED AT&T METER IN EXISTING OPEN METER SOCKET

PROPOSED AT&T U.G. (1) POWER AND (2) TELCO CONDUITS TO THE PROPOSED SHELTER

PROPOSED AT&T 11'-5" x 16'-0" EQUIPMENT SHELTER WITH GENERATOR ON 11'-5" x 8'-0" PATIO

PROPOSED AT&T GPS ANTENNA (TYP. OF 3)

PROPOSED AT&T ICE BRIDGE WITH (2) FIBER, (8) DC POWER LINES & (3) 3/8"φ RET RUNS

EXISTING UTILITY H-FRAME

EXISTING BOLLARD (TYP)

EXISTING TRANSFORMER

EXISTING TELCO PEDESTAL

EXISTING ACCESS GATE

EXISTING T-MOBILE EQUIPMENT ON CONCRETE PAD

PROPOSED AT&T RRH MOUNTED ON PIPE BEHIND ANTENNAS (TYP)

GAMMA SECTOR 270°

PROPOSED AT&T LOW PROFILE PLATFORM

ALPHA SECTOR 30°

EXISTING VERIZON EQUIPMENT SHELTER

EXISTING CHAIN LINK FENCE

APPROX. TRUE NORTH



### COMPOUND PLAN

SCALE: NTS

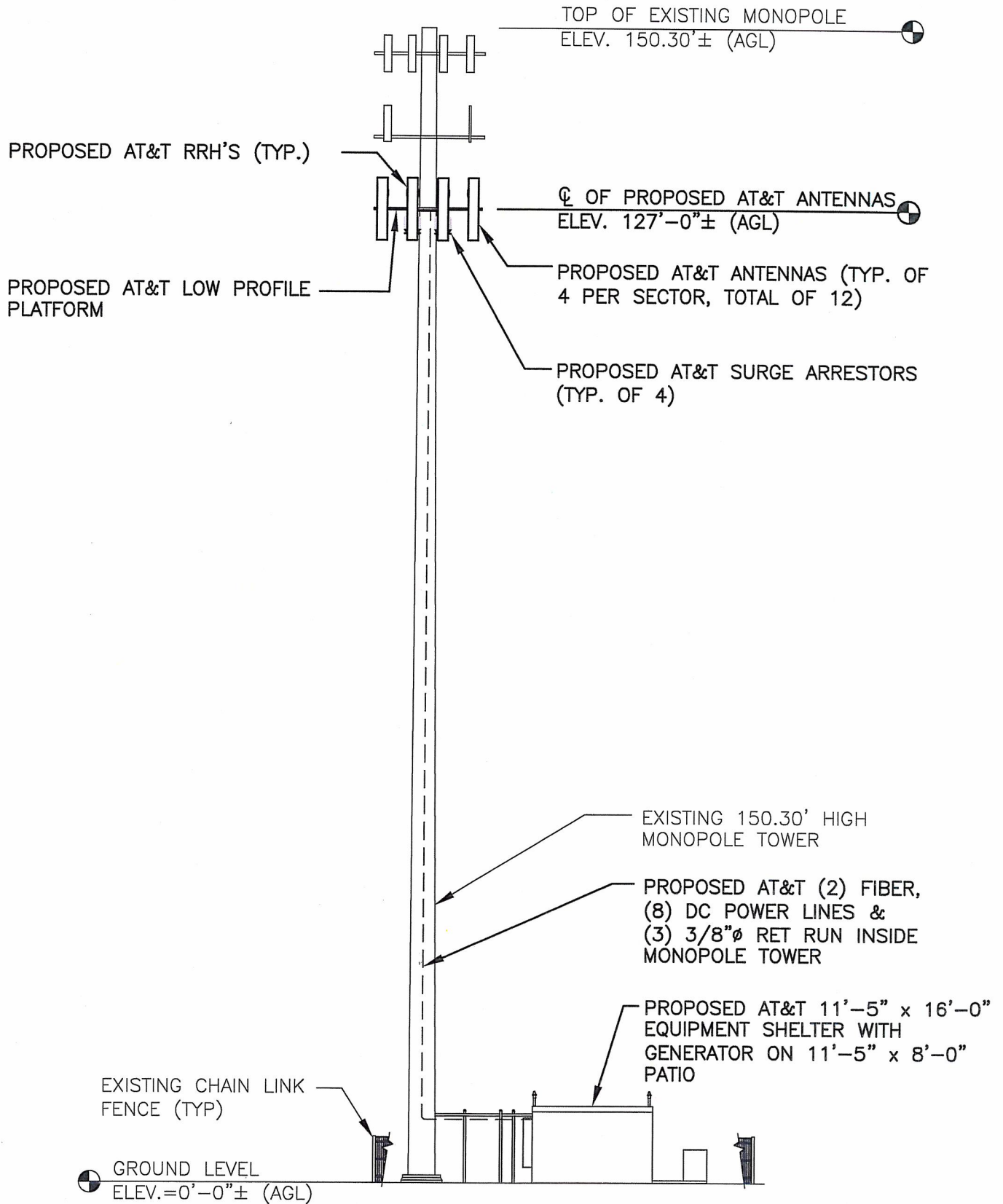
PROPOSED AT&T ANTENNAS MOUNTED TO PROPOSED PIPE ON NEW MOUNT (TYP OF 4 PER SECTOR, TOTAL OF 12)

**SITE NO:** S2820-A  
**SITE NAME:** GROTON PLEASANT VALLEY ROAD NORTH  
**ADDRESS:** 1294 PLEASANT VALLEY ROAD N.  
 GROTON, NEW LONDON, CT 06340

  
**smartlink**  
 1997 ANNAPOLIS EXCHANGE PKWY  
 SUITE 200  
 ANNAPOLIS, MD 21401

  
 550 COCHITUATE ROAD  
 FRAMINGHAM, MA 01701

REV 2  
**SITE TYPE:** DATE:  
 COMPOUND PLAN 12/16/13  
**DRAWN BY:** SCALE:  
 GC NTS



**NORTH ELEVATION**

SCALE: NTS

REV 2

**SITE NO:** S2820-A  
**SITE NAME:** GROTON PLEASANT VALLEY ROAD NORTH  
**ADDRESS:** 1294 PLEASANT VALLEY ROAD N. GROTON, NEW LONDON, CT 06340

  
 1997 ANNAPOLIS EXCHANGE PKWY SUITE 200 ANNAPOLIS, MD 21401

 at&t  
 550 COCHITUATE ROAD FRAMINGHAM, MA 01701

<b>SITE TYPE:</b>	<b>DATE:</b>
ELEVATION	12/16/13
<b>DRAWN BY:</b>	<b>SCALE:</b>
GC	NTS





FDH Engineering, Inc., 6521 Meridien Drive Raleigh, NC 27616, Ph. 919.755.1012

**Structural Analysis for  
SBA Network Services, Inc.**

**149' Monopole**

**SBA Site Name: New London  
SBA Site ID: CT13075-A-03  
New Cingular Site ID: S2820-A  
New Cingular Site Name: Groton Pleasant Valley Road North**

FDH Project Number 1425241400(R1)

**Analysis Results**

Tower Components	72.5%	Sufficient
Foundation	84.7%	Sufficient

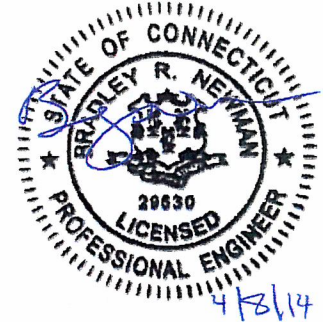
Prepared By:

Jeffrey B. Ray, EI  
Project Engineer

Reviewed By:

Bradley Newman, PE  
Senior Project Engineer  
CT PE License No. 29630

**FDH Engineering, Inc.**  
6521 Meridien Drive  
Raleigh, NC 27616  
(919) 755-1012  
info@fdh-inc.com



April 8, 2014

*Prepared pursuant to TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures and 2005 Connecticut Building Code*

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## EXECUTIVE SUMMARY

At the request of SBA Network Services, Inc., FDH Engineering, Inc. performed a structural analysis of the monopole located in Groton, CT to determine whether the tower is structurally adequate to support both the existing and proposed loads pursuant to the *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, TIA/EIA-222-F* and *2005 Connecticut Building Code (CBC)*. Information pertaining to the existing/proposed antenna loading, current tower geometry, geotechnical data, foundation dimensions, and member sizes was obtained from:

- Sabre Communications Corporation (Job No. 08-07173) original tower design drawings dated July 26, 2007
- Sabre Communications Corporation (Job No. 08-01005) tower extension drawings dated January 7, 2008
- FDH, Inc. (Job No. 08-07140T) TIA Inspection Report dated September 9, 2008
- Gemini Geotechnical Associates, Inc. (Project No. 07079CT) Geotechnical Engineering Report dated July 20, 2007
- SBA Network Services, Inc.

The *basic design wind speed* per the *TIA/EIA-222-F* standards and *2005 CBC* is 85 mph without ice and 38 mph with 3/4" radial ice. Ice is considered to increase in thickness with height.

## Conclusions

With the existing and proposed antennas from New Cingular in place at 127 ft, the tower meets the requirements of the *TIA/EIA-222-F* standards and *2005 CBC* provided the **Recommendations** listed below are satisfied. Furthermore, provided the foundation was designed and constructed to support the original design reactions (See Sabre Communications Corporation Job No. 08-07173), the foundation should have the necessary capacity to support both the proposed and existing loading. For a more detailed description of the analysis of the tower, see the **Results** section of this report.

Our structural analysis has been performed assuming all information provided to FDH Engineering, Inc. is accurate (i.e., the steel data, tower layout, existing antenna loading, and proposed antenna loading) and that the tower has been properly erected and maintained per the original design drawings.

## Recommendations

To ensure the requirements of the *TIA/EIA-222-F* standards and *2005 CBC* are met with the existing and proposed loading in place, we have the following recommendations:

1. The proposed coax should be installed inside the monopole shaft.
2. RRU/RRH Stipulation: The proposed equipment may be installed in any arrangement determined by the client.

**APPURTENANCE LISTING**

The proposed and existing antennas with their corresponding cables/coax lines are shown in **Table 1**. *If the actual layout determined in the field deviates from the layout, FDH Engineering, Inc. should be contacted to perform a revised analysis.*

**Table 1 - Appurtenance Loading**

**Existing Loading:**

Antenna Elevation (ft)	Description	Coax and Lines <sup>1</sup>	Carrier	Mount Elevation (ft)	Mount Type
147	(3) Antel BXA-70063-6CF (3) Antel BXA-80063/4CF (3) Antel BXA-171063-12CF (3) Antel BXA-171085-8BF (3) ALU RRRH2x40 AWS RRUs (3) ALU RRRH2x40-07 RRUs (1) RFS DB-T1-6Z-8AB-0Z Distribution Box	(12) 1-5/8" (1) 1-5/8" Fiber	Verizon	147	(1) 12.5' Low Profile Platform
140	(3) Ericsson AIR B2A B4P (3) Ericsson AIR B4A B2P (3) Ericsson KRY 112 144 TMAAs	(12) 1-5/8" (1) 1-5/8" Fiber	T-Mobile	138	(1) 12.5' Low Profile Platform

1. Coax installed inside the pole's shaft unless noted otherwise.

**Proposed Loading:**

Antenna Elevation (ft)	Description	Coax and Lines	Carrier	Mount Elevation (ft)	Mount Type
127	(12) CCI HPA-65R-BUU-8H (9) Ericsson RRUS 11 RRUs (6) Ericsson RRUS 12 RRUs (3) Ericsson RRUS 32 RRUs (3) Ericsson RRUS E2 RRUs (6) Ericsson RRUS A2 RRUs (4) Raycap DC6-48-60-18-8F Surge Arrestors	(3) 3/8" RET (2) 1/2" Fiber (8) 3/4" DC	New Cingular	127	(1) 12.5 Platform w/ Handrails (Commscope MTC3607)

## RESULTS

The following yield strength of steel for individual members was used for analysis:

**Table 2 - Material Strength**

Member Type	Yield Strength
Tower Shaft Sections	35 ksi & 65 ksi
Flange Plate	60 ksi
Flange Bolts	Fu = 120 ksi
Base Plate	60 ksi
Anchor Bolts	75 ksi

**Table 3** displays the summary of the ratio (as a percentage) of force in the member to their capacities. Values greater than 100% indicate locations where the maximum force in the member exceeds its capacity. *Note: Capacities up to 100% are considered acceptable.* **Table 4** displays the maximum foundation reactions.

If the assumptions outlined in this report differ from actual field conditions, FDH Engineering, Inc. should be contacted to perform a revised analysis. Furthermore, as no information pertaining to the allowable twist and sway requirements for the existing or proposed appurtenances was provided, deflection and rotation were not taken into consideration when performing this analysis.

See the **Appendix** for detailed modeling information.

**Table 3 - Summary of Working Percentage of Structural Components**

Section No.	Elevation ft	Component Type	Size	% Capacity*	Pass Fail
L1	149 - 139	Pole	TP26.7x24.35x0.1875	16.2	Pass
	139	Flange Bolts	(8) 1" Ø w/ BC = 30"	15.8	Pass
	139	Flange Plate	34.25" Ø PL x 0.75" tk.	30.6	Pass
L2	139 - 96	Pole	TP36.44x26.7x0.25	68.3	Pass
L3	96 - 47.25	Pole	TP47.15x34.8641x0.375	72.5	Pass
L4	47.25 - 0	Pole	TP58.26x45.0221x0.4375	69.7	Pass
		Anchor Bolts	(20) 2.25" Ø w/ BC = 64.875"	63.8	Pass
		Base Plate	65.38" SQ PL x 2.75" thk	53.5	Pass

\*Capacities include a 1/3 allowable stress increase for wind.

**Table 4 - Maximum Base Reactions**

Base Reactions	Current Analysis (TIA/EIA-222-F)	Original Design (ANSI/TIA-222-G)
Axial	38 k	54 k
Shear	31 k	50 k
Moment	3,415 k-ft	5,443 k-ft

## **GENERAL COMMENTS**

This engineering analysis is based upon the theoretical capacity of the structure. It is not a condition assessment of the tower and its foundation. It is the responsibility of SBA Network Services, Inc. to verify that the tower modeled and analyzed is the correct structure (with accurate antenna loading information) modeled. If there are substantial modifications to be made or the assumptions made in this analysis are not accurate, FDH Engineering, Inc. should be notified immediately to perform a revised analysis.

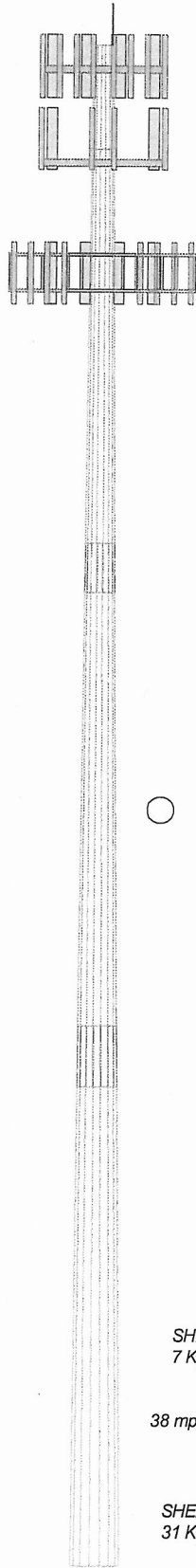
## **LIMITATIONS**

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Engineering, Inc.

## **APPENDIX**

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	10.00	18	0.1875	24.3500	26.7000	26.7000	A53-B-35	0.5
2	43.00	18	0.2500	4.75	26.7000	36.4400	A53-B-35	3.6
3	53.50	18	0.3750	6.00	34.8641	47.1500	A572-65	8.8
4	53.25	18	0.4375	45.0221	58.2600	58.2600	A572-65	12.9
								25.8

149.0 ft  
139.0 ft  
96.0 ft  
47.3 ft  
0.0 ft



### DESIGNED APPURTENANCE LOADING

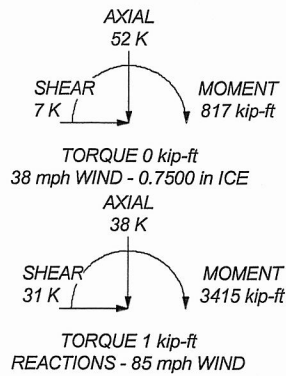
TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	149	KRY 112 144/1	138
BXA-70063-6CF w/ Mount Pipe	147	KRY 112 144/1	138
BXA-70063-6CF w/ Mount Pipe	147	KRY 112 144/1	138
BXA-70063-6CF w/ Mount Pipe	147	(1) 12.5' Low Profile Platform	138
BXA-80063/4CF w/ Mount Pipe	147	(4) HPA-65R-BUU-H8	127
BXA-80063/4CF w/ Mount Pipe	147	(4) HPA-65R-BUU-H8	127
BXA-80063/4CF w/ Mount Pipe	147	(4) HPA-65R-BUU-H8	127
BXA-171063-12CF w/ Mount Pipe	147	(3) RRUS-11	127
BXA-171063-12CF w/ Mount Pipe	147	(3) RRUS-11	127
BXA-171063-12CF w/ Mount Pipe	147	(3) RRUS-11	127
BXA-171085-8BF w/ Mount Pipe	147	(2) RRUS 12	127
BXA-171085-8BF w/ Mount Pipe	147	(2) RRUS 12	127
BXA-171085-8BF w/ Mount Pipe	147	(2) RRUS 12	127
RRH2X40-AWS	147	RRUS-32	127
RRH2X40-AWS	147	RRUS-32	127
RRH2X40-AWS	147	RRUS-32	127
RRH2x40-07	147	RRUS-E2	127
RRH2x40-07	147	RRUS-E2	127
RRH2x40-07	147	RRUS-E2	127
DB-T1-6Z-8AB-0Z Distribution Box	147	(2) RRUS-A2	127
(1) 12.5' Low Profile Platform	147	(2) RRUS-A2	127
AIR 21 B2A/B4P w/ Mount Pipe	138	(2) RRUS-A2	127
AIR 21 B2A/B4P w/ Mount Pipe	138	DC6-48-60-18-8F Surge Arrestor	127
AIR 21 B2A/B4P w/ Mount Pipe	138	DC6-48-60-18-8F Surge Arrestor	127
AIR 21 B4A/B2P w/ Mount Pipe	138	(2) DC6-48-60-18-8F Surge Arrestor	127
AIR 21 B4A/B2P w/ Mount Pipe	138	12.5' Platform w/Handrails	127
AIR 21 B4A/B2P w/ Mount Pipe	138		127

### MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-35	35 ksi	63 ksi	A572-65	65 ksi	80 ksi

### TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for a 85 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 38 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 50 mph wind.
5. TOWER RATING: 72.5%



 <b>FDH Engineering, Inc.</b> 6521 Meridien Drive, Suite 107 Raleigh, North Carolina Tower Analysis      Phone: 9197551012      FAX: 9197551031	<b>Job:</b> New London, CT13075-A-03
	<b>Project:</b> 1425241400
	<b>Client:</b> SBA Network Services, Inc. <b>Drawn by:</b> Jeffrey B. Ray <b>App'd:</b>
	<b>Code:</b> TIA/EIA-222-F <b>Date:</b> 04/08/14 <b>Scale:</b> NTS
	<b>Path:</b> _____ <b>Dwg No.</b> E-1



# Stiffened or Unstiffened, Exterior Flange Plate - Any Bolt Material TIA Rev F

## Site Data

Project No.  
Site Name: *New London*  
Site ID:

## Reactions

Moment:	37.79	ft-kips
Axial:	2.21	kips
Shear:	4.99	kips
Elevation:	139	feet

Pole Manufacturer:	Other
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## Bolt Data

Qty:	8	Bolt Fu:	120			
Diameter (in.):	1			Bolt Fy:	92	
Bolt Material:	A325					
N/A:	125					<-- Disregard
N/A:	105					<-- Disregard
Circle (in.):	30					Bolt Fty:

If No stiffeners, Criteria: **AISC ASD** <--Only Applicable to Unstiffened Cases

## Flange Bolt Results

Bolt Tension Capacity, B:	46.07 kips
Max Bolt directly applied T:	7.28 Kips
Min. PL "tc" for B cap. w/o Pry:	0.835 in
Min PL "treq" for actual T w/ Pry:	0.243 in
Min PL "t1" for actual T w/o Pry:	0.332 in
T allowable with Prying:	43.31 kips
Prying Force, Q:	0.00 kips
Total Bolt Tension=T+Q:	7.28 kips
Prying Bolt Stress Ratio=(T+Q)/(B):	15.8% Pass

Non-Rigid
Service, ASD
Fty*ASIF

0≤α≤1 case

## Plate Data

Diam:	34.25	in
Thick, t:	0.75	in
Grade (Fy):	60	ksi
Strength, Fu:	80	ksi
Single-Rod B-eff:	7.60	in

## Exterior Flange Plate Results

Compression Side Plate Stress:	18.4 ksi
Allowable Plate Stress:	60.0 ksi
Compression Plate Stress Ratio:	30.6% Pass
<b>No Prying</b>	
Tension Side Stress Ratio, (treq/t)^2:	10.5% Pass

## Flexural Check

Non-Rigid
Service ASD
0.75*Fy*ASIF
Comp. Y.L. Length:
7.50

## Stiffener Data (Welding at Both Sides)

Config:	0	*
Weld Type:	Groove	
Groove Depth:	0.25	in **
Groove Angle:	45	degrees
Fillet H. Weld:	0.375	<-- Disregard
Fillet V. Weld:	0.375	in
Width:	4	in
Height:	8	in
Thick:	0.5	in
Notch:	0.5	in
Grade:	36	ksi
Weld str.:	70	ksi

n/a

## Stiffener Results

Horizontal Weld :	n/a
Vertical Weld:	n/a
Plate Flex+Shear, fb/Fb+(fv/Fv)^2:	n/a
Plate Tension+Shear, ft/Ft+(fv/Fv)^2:	n/a
Plate Comp. (AISC Bracket):	n/a

## Pole Results

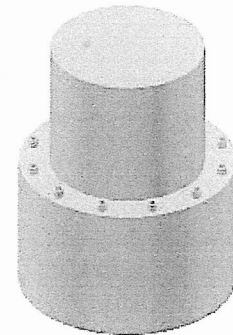
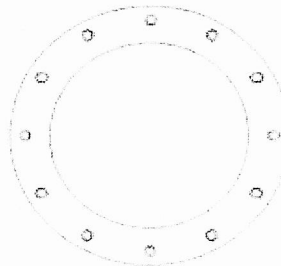
Pole Punching Shear Check:	n/a
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## Pole Data

Diam:	26.7	in
Thick:	0.1875	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round
Fu	80	ksi
Reinf. Fillet Weld	0	"0" if None

## Stress Increase Factor

ASIF:	1.333
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\* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

\*\* Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

## Square, Stiffened / Unstiffened Base Plate, Any Rod Material - Rev. F / G

- Assumptions:**
- 1) Rod groups at corners. Total # rods divisible by 4. Maximum total # of rods = 48 (12 per Corner).
  - 2) Rod Spacing = Straight Center-to-Center distance between any (2) adjacent rods (same corner)
  - 3) Clear space between bottom of leveling nut and top of concrete **not** exceeding (1)\*(Rod Diameter)

### Site Data

Project No.  
 Site Name: *New London*  
 Site ID:

### Anchor Rod Data

Qty:	20	
Diam:	2.25	in
Rod Material:	A615-J	
Yield, Fy:	75	ksi
Strength, Fu:	100	ksi
Bolt Circle:	64.875	in
Anchor Spacing:	6	in

### Plate Data

W=Side:	65.38	in
Thick:	2.75	in
Grade:	60	ksi
Clip Distance:	14	in

### Stiffener Data (Welding at both sides)

Configuration:	Unstiffened	
Weld Type:		**
Groove Depth:		in **
Groove Angle:		degrees
Fillet H. Weld:		<-- Disregard
Fillet V. Weld:		in
Width:		in
Height:		in
Thick:		in
Notch:		in
Grade:		ksi
Weld str.:		ksi

### Pole Data

Diam:	58.26	in
Thick:	0.4375	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round

### Stress Increase Factor

ASD ASIF:	1.333	
-----------	-------	--

\*\* Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

### Base Reactions

TIA Revision:	F	
Unfactored Moment, M:	3415	ft-kips
Unfactored Axial, P:	38	kips
Unfactored Shear, V:	31	kips

### Anchor Rod Results

TIA F --> Maximum Rod Tension: 124.4 Kips  
 Allowable Tension: 195.0 Kips  
 Anchor Rod Stress Ratio: 63.8% Pass

### Base Plate Results

Base Plate Stress: 32.1 ksi  
 Allowable PL Bending Stress: 60.0 ksi  
 Base Plate Stress Ratio: 53.5% Pass

### Flexural Check

### PL Ref. Data

Yield Line (in):	34.20
Max PL Length:	34.20

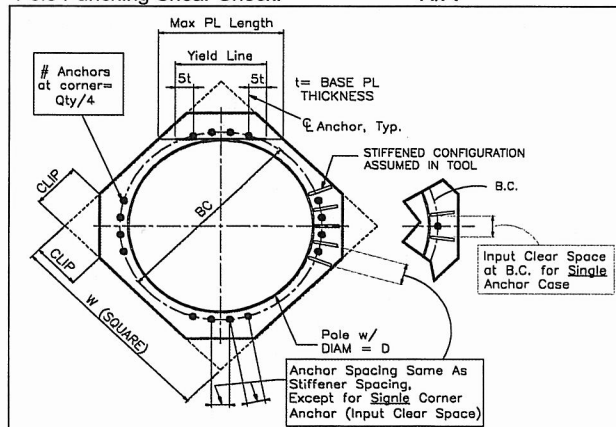
### N/A - Unstiffened

### Stiffener Results

Horizontal Weld : N/A  
 Vertical Weld: N/A  
 Plate Flex+Shear,  $f_b/F_b + (f_v/F_v)^2$ : N/A  
 Plate Tension+Shear,  $f_t/F_t + (f_v/F_v)^2$ : N/A  
 Plate Comp. (AISC Bracket): N/A

### Pole Results

Pole Punching Shear Check: N/A



After recording return to:  
David Archambault  
14 Hollywood Ave  
Marragansett, RI 02882

STATE OF CONNECTICUT

COUNTY OF NEW LONDON

MEMORANDUM OF ANTENNA SITE AGREEMENT

This Memorandum of lease ("MEMORANDUM") dated as of October 31, 2013, is between  
SBA INFRASTRUCTURE, LLC, a Delaware limited liability company ("OWNER") and MEW  
CINGULAR WIRELESS PCS, LLC, a Delaware limited liability company ("TENANT").

RECITALS

Whereas, Owner and Tenant have executed that certain Antenna Site Agreement ("Agreement") dated as of \_\_\_\_\_, 2013, covering certain premises, more specifically a ground space area described in Exhibit "A" attached hereto consisting of approximately 352 square feet (the "Premises") situated at that certain site "Site", on a portion of that certain real property located in the County of New London, State of Connecticut; and

Whereas, Owner and Tenant desire to record notice of the Agreement in the Official Records of Groton County, State of Connecticut.

NOW THEREFORE, in consideration of the foregoing, Owner and Tenant hereby declare as follows:

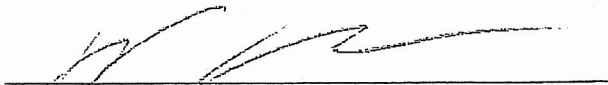
1. Demise. Owner has leased the Premises to Tenant (together with access rights), and Tenant has hired the Premises from Owner, subject to the terms, covenants and conditions contained in the Agreement.
2. Expiration Date. The term of the Agreement ("Term") is scheduled to commence on or before \_\_\_\_\_, 2014, and shall expire five (5) years thereafter, subject to Tenant's option to extend the Term pursuant to Section 2 of the Agreement for four (4) additional terms of five (5) years each.
3. Agreement Controlling. This Memorandum is solely for the purpose of giving constructive notice of the Agreement. In the event of conflict between terms of the Agreement and this Memorandum, the terms of the Agreement shall control.

IN WITNESS WHEREOF, the parties have executed this Memorandum as of the day and year first above written.

OWNER: SBA INFRASTRUCTURE, LLC,  
WIRELESS PCS, LLC,  
a Delaware limited liability company  
company

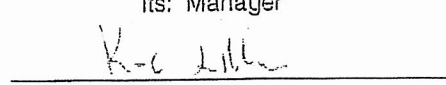
TENANT: NEW CINGULAR  
a Delaware limited liability

By: AT&T Mobility  
Corporation  
Its: Manager



By: Jason Silberstein  
Title: Senior Vice President, Property Management  
Construction

Date: 10-31-13



By: Kevin Mason  
Title: Area Manager - Real Estate and

Date: 10-31-2013

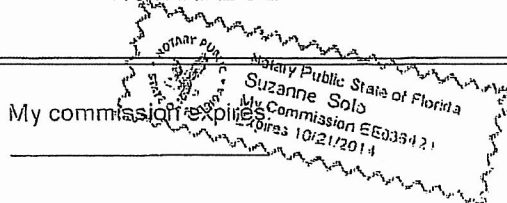
OWNER'S NOTARY BLOCK

STATE OF FLORIDA

COUNTY OF PALM BEACH

On October 31, 2013, personally appeared Jason Silberstein, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

NOTARIAL SEAL



(OFFICIAL NOTARY SIGNATURE)  
NOTARY PUBLIC—STATE OF FL

SUZANNE SOLO  
(NAME OF NOTARY)  
COMMISSION NUMBER: EE036421

TENANT'S NOTARY BLOCK

STATE OF Massachusetts

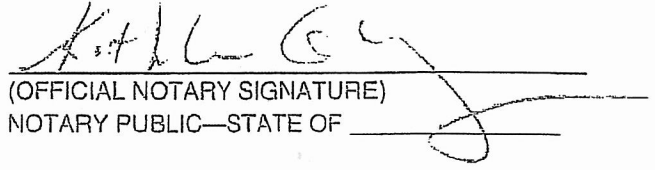
COUNTY OF Worcester

On October 30, 2013, personally appeared Kevin Mason, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

NOTARIAL SEAL

My commission expires:

8/15

  
(OFFICIAL NOTARY SIGNATURE)  
NOTARY PUBLIC—STATE OF \_\_\_\_\_

\_\_\_\_\_  
(NAME OF NOTARY)

COMMISSION NUMBER: \_\_\_\_\_

EXHIBIT A TO THE MEMORANDUM OF LEASE

LEGAL DESCRIPTION OF OWNER'S PROPERTY

Owner's Property of which the Premises are a part is described as follows:

All that real property located in the State of Connecticut, County of New London,

described as follows:

The certain piece or parcel of land with the buildings and other improvements appertaining thereto, situated in the Town of Groton, County of New London and State of Connecticut, bounded and described as follows:

Beginning at a point on the West side of Pleasant Valley Road which point is the Eastern boundary of the Town of Groton, thence proceeding southerly in a line along the westerly side of Pleasant Valley Road North a distance of 150 feet to a point to be marked and proceeding N 10° 47' 20" W in a straight line a distance of 523 feet, more or less to the easterly line of Route 1, thence running and proceeding northerly a distance of 248 feet, more or less to the Eastern boundary of the Town of Groton, thence running and proceeding along the Groton-Lakeville Town line a distance of 175 feet, more or less to the easterly side of Pleasant Valley Road North and thence returning to the place of beginning, containing three and one half acres, more or less.

## Power Density Calculations

---

Applicant: New Cingular Wireless PCS, LLC d/b/a AT&T

Site ID: S2820

Site Type: Existing 150.30' Monopole Tower

Address: 1294 Pleasant Valley Road North, Groton, CT 06340

Date: April 16, 2014

---





### 1. Existing Power Density <sup>1</sup>

Carrier	#Channels	ERP/Ch	Ant Ht	Power Density (mW/cm2)	Frequency MHz	Limit	%MPE
T-Mobile	8	157	137'	0.0241	1945	1.0000	2.41%
Verizon Cellular	9	258	147'	0.0386	869	0.5793	6.67%
Verizon PCS	11	252	147'	0.0461	1970	1.0000	4.61%
Verizon LTE	1	1050	147'	0.0175	698	0.4653	3.75%
Verizon AWS	1	1750	147'	0.0291	2145	1.0000	2.91%
<b>TOTAL</b>							<b>20.35%</b>

### 2. Proposed AT&T Power Density <sup>2</sup>

Carrier	#Channels	ERP/Ch	Ant Ht	Power Density (mW/cm2)	Frequency MHz	Limit	%MPE
AT&T UMTS	2	500	127'	0.0223	800 Band	0.5867	3.80%
AT&T UMTS	1	500	127'	0.0111	1900 Band	1.0000	1.11%
AT&T LTE	1	500	127'	0.0111	700 Band	0.4667	2.39%
AT&T LTE	1	500	127'	0.0111	1900 Band	1.0000	1.11%
AT&T LTE	1	500	127'	0.0111	2300 Band	1.0000	1.11%
<b>TOTAL</b>							<b>9.50%</b>

<sup>1</sup> This Power Density information was taken from the Connecticut Siting Council database dated October 1, 2013.

<sup>2</sup> This Power Density information is based on worse case assumptions from AT&T's radio frequency engineers.



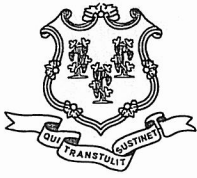
### 3. Cumulative Power Density Calculation Results

Carrier	#Channels	ERP/Ch	Ant Ht	Power Density (mW/cm <sup>2</sup> )	Frequency MHz	Limit	%MPE
T-Mobile	8	157	137'	0.0241	1945	1.0000	2.41%
Verizon Cellular	9	258	147'	0.0386	869	0.5793	6.67%
Verizon PCS	11	252	147'	0.0461	1970	1.0000	4.61%
Verizon LTE	1	1050	147'	0.0175	698	0.4653	3.75%
Verizon AWS	1	1750	147'	0.0291	2145	1.0000	2.91%
AT&T UMTS	2	500	127'	0.0223	800 Band	0.5867	3.80%
AT&T UMTS	1	500	127'	0.0111	1900 Band	1.0000	1.11%
AT&T LTE	1	500	127'	0.0111	700 Band	0.4667	2.39%
AT&T LTE	1	500	127'	0.0111	1900 Band	1.0000	1.11%
AT&T LTE	1	500	127'	0.0111	2300 Band	1.0000	1.11%
<b>TOTAL</b>							<b>29.85%</b>

### 4. Conclusion:

The addition of AT&T's antennas on the existing tower will result in the cumulative maximum permissible exposure (MPE) level of 29.85%. The proposal complies with the National Council on Radiation Protection and Measurements standard for MPE adopted by the Federal Communications Commission ("FCC"). Moreover, the maximum level of radio-frequency energy emitted from AT&T's installation will be well below the FCC's mandated radio frequency exposure limits.





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)

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

December 13, 2013

Adam F. Braillard  
Regional Land Use Manager  
Smartlink, LLC  
33 Boston Post Road West  
Marlborough, MA 01752

RE: **TS-AT&T-059T-131115** - New Cingular Wireless PCS, LLC request for an order to approve the shared use of an existing telecommunications facility located at 1294 Pleasant Valley Road North, Groton, Connecticut.

Dear Mr. Braillard:

At a public meeting held December 12, 2013, 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 with the following conditions:

- The proposed coax shall be installed and utilized in accordance with the recommendations made in the Structural Analysis Report prepared by FDH Engineering dated October 30, 2013 and stamped by Christopher Murphy; and
- Within 45 days following completion of the antenna installation, AT&T shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis.
- Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including 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;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.



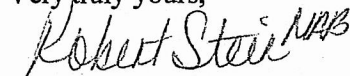
This decision is under the exclusive jurisdiction of the Council. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from this format may result in the 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 November 13, 2013, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.

Very truly yours,



Robert Stein  
Chairman

RS/CDM/laf

- c: The Honorable Heather B. Somers, Mayor, Town of Groton
- Mark Oefinger, Town Manager, Town of Groton
- Michael J. Murphy, AICP, Director of Planning and Development, Town of Groton
- Kenneth C. Baldwin, Esq., Robinson & Cole LLP (o/b/o Verizon)



STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

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November 15, 2013

The Honorable Heather B. Somers  
Mayor  
Town of Groton  
45 Fort Hill Road  
Groton, CT 06340

RE: **TS-AT&T-059T-13115** – New Cingular Wireless PCS, LLC request for an order to approve the shared use of an existing telecommunications facility located at 1294 Pleasant Valley Road North, Groton, Connecticut.

Dear Mayor Somers:

The Connecticut Siting Council (Council) received a request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa, a copy of which has already been provided to you.

The Council will consider this item at a future public meeting. A copy of the agenda will be forwarded to you.

If you have any questions or comments regarding the proposal, please call me or inform the council by November 29, 2013.

Thank you for your cooperation and consideration.

Very truly yours,

Melanie Bachman  
Acting Executive Director

MB/cm

c: Michael J. Murphy, AICP, Director of Planning and Development, Town of Groton

