·T· · ·Mobile·

Please Reply To:
Sam Simons
35 Griffin Road South
Bloomfield, CT 06002
203-482-5156
Sam.Simons@T-Mobile.com

May 5, 2015

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06501

Re: EM-T-MOBILE-057-120904
T-Mobile Site ID CT11069A
363 Riversville Rd. Greenwich CT
Notice of Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T-Mobile Northeast LLC ("T-Mobile") notice of exempt modification on September 24, 2012. T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of April 8, 2014.

Please don't hesitate to contact me with any questions.

Sincerely,

Sam Simons

Samuel Simons, T-Mobile

cc: Mark Richard, T-Mobile

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
www.ct.gov/csc

September 24, 2012

Marcia M. Escobedo, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604

RE: **EM-T-MOBILE-057-120904** – T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 363 Riversville Road, Greenwich, Connecticut.

Dear Attorney Escobedo:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Not less than 45 days after completion of construction, the Council shall be notified in writing that construction 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;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated August 31, 2012. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,

Linda Roberts

Linda Roberts
Executive Director

LR/CDM/jbw

c: The Honorable Peter J. Tesei, First Selectman, Town of Greenwich
Don Heller, Planning & Zoning Director, Town of Greenwich
Christopher B. Fisher , Esq., AT&T

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
www.ct.gov/csc

September 6, 2012

The Honorable Peter J. Tesei
First Selectman
Town of Greenwich
Town Hall
101 Field Point Road
P. O. Box 2540
Greenwich, CT 06836-2540

RE: **EM-T-MOBILE-057-120904** – T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 363 Riversville Road, Greenwich, Connecticut.

Dear First Selectman Tesei:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by September 20, 2012.

Thank you for your cooperation and consideration.

Very truly yours,

LRoberts

Linda Roberts
Executive Director

LR/jbw

Enclosure: Notice of Intent

c: Don Hellller, Planning & Zoning Director, Town of Greenwich

CSC
CONNECTICUT SITING COUNCIL

COHEN and WOLF P.C.
ATTORNEYS AT LAW

EM-T-MOBILE-057-120904

MARCIA M. ESCOBEDO

PLEASE REPLY TO:
WRITER'S DIRECT DIAL: (203) 337-4166
E-Mail Address: mescobedo@cohenandwolf.com

ORIGINAL

August 31, 2012

Ms. Linda Roberts,
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RECEIVED
SEP - 4 2012
CONNECTICUT
SITING COUNCIL

Re: Notice of Exempt Modification
AT&T/T-Mobile co-location
T-Mobile Site ID CT11069A
363 Riversville Road, Greenwich CT

Dear Ms. Roberts:

This office represents T-Mobile Northeast LLC ("T-Mobile") and has been retained to file exempt modification filings with the Connecticut Siting Council on its behalf.

In this case, AT&T owns the existing telecommunications tower and related facility at 363 Riversville Road, Greenwich Connecticut (latitude 41.066244/longitude -73.671479). T-Mobile intends to replace six antennas and add related equipment at this existing facility in Greenwich ("Greenwich Facility"). Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of 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 First Selectman, Peter Tesei.

The existing Greenwich Facility consists of a 160 foot tower. T-Mobile plans to replace six antennas mounted on the tower at a centerline of 163 feet. T-Mobile will also install two cabinets and run fiber conduit along proposed coaxial cables, all within the existing compound area near the base of the tower. (See the plans revised to April 16, 2012 attached hereto as Exhibit A). The existing tower is structurally capable of supporting T-Mobile's proposed use, as indicated in the structural analysis report dated August 16, 2012 and attached hereto as Exhibit B.

The planned modifications to the Greenwich Facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not increase the height of the tower. T-Mobile's replacement antennas will be installed at the 160 foot level. The enclosed tower drawing confirms that the proposed modification will not increase the height of the tower.

2. The installation of the T-Mobile equipment in the existing compound, as reflected on the attached site plan, will not require an extension of the site boundaries. T-Mobile's proposed equipment will be located entirely within the existing compound area.

3. The proposed modification to the Facility will not increase the noise levels at the existing facility by six decibels or more.

4. The operation of the replacement antennas will not increase the total radio frequency (RF) power density, measured at the base of the tower, to a level at or above the applicable standard. According to a Radio Frequency Emissions Analysis Report prepared by EBI dated July 31, 2012 T-Mobile's operations would add 0.423% of the FCC Standard. Therefore, the calculated "worst case" power density for the planned combined operation at the site including all of the proposed antennas would be 31.783% of the FCC Standard as calculated for a mixed frequency site as evidenced by the engineering exhibit attached hereto as Exhibit C.

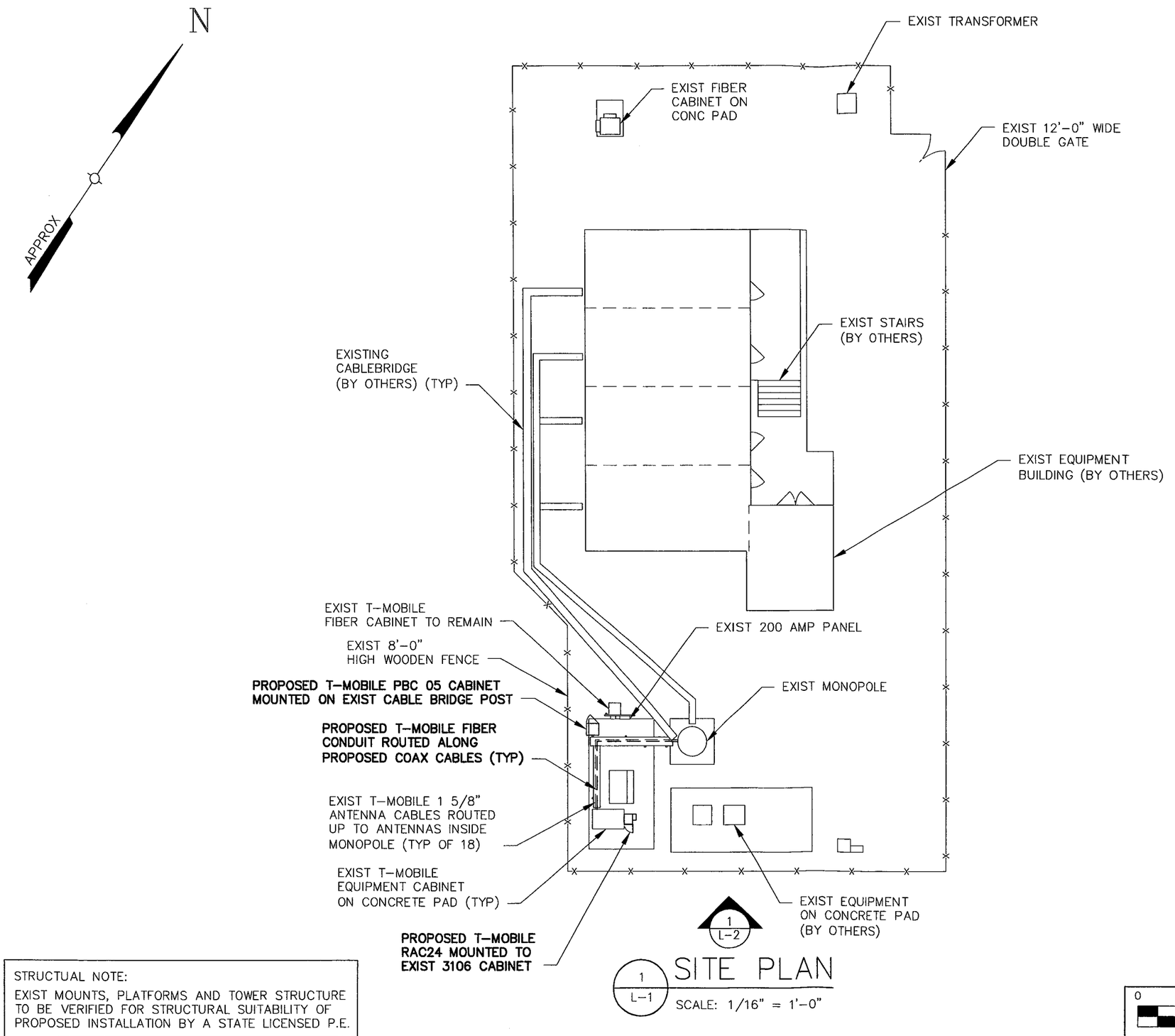
For the foregoing reasons, T-Mobile respectfully submits that the proposed replacement antennas and equipment at the Greenwich Facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Marcia M. Escobedo, Esq.

cc: First Selectman Peter Tesei, Town of Greenwich
Jamie Ford, HPC Wireless (via e-mail)

EXHIBIT A



1 / L-2

1 / L-1 SITE PLAN

SCALE: 1/16" = 1'-0"

STRUCTUAL NOTE:

EXIST MOUNTS, PLATFORMS AND TOWER STRUCTURE TO BE VERIFIED FOR STRUCTURAL SUITABILITY OF PROPOSED INSTALLATION BY A STATE LICENSED P.E.

CONFIGURATION

2C

0 1 2 3

ORIGINAL SIZE IN INCHES

TECTONIC

• PLANNING • ENGINEERING • SURVEYING • CONSTRUCTION MANAGEMENT

TECTONIC Engineering Consultants & Surveying P.C.

1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
Fax: (845) 567-8703

Mobile

NORTHEAST LLC.

T-MOBILE NORTHEAST, LLC.
4 SYLVAN DRIVE
PARSIPPANY, NJ 07054
PHONE: (973) 686-6500

APPROVALS

T-MOBILE _____

LANDLORD _____

RF _____

CONSTRUCTION _____

PROJECT NUMBER	DESIGNED BY
6203.CT11069A	GL

REV	DATE	REVISION	DRAWN BY
0	3/27/12	FOR COMMENT	BW
1	4/16/12	CHANGED EQUIPMENT	SS
2	8/30/12	FIXED HEIGHT	SS

ISSUED BY	DATE

SITE INFORMATION

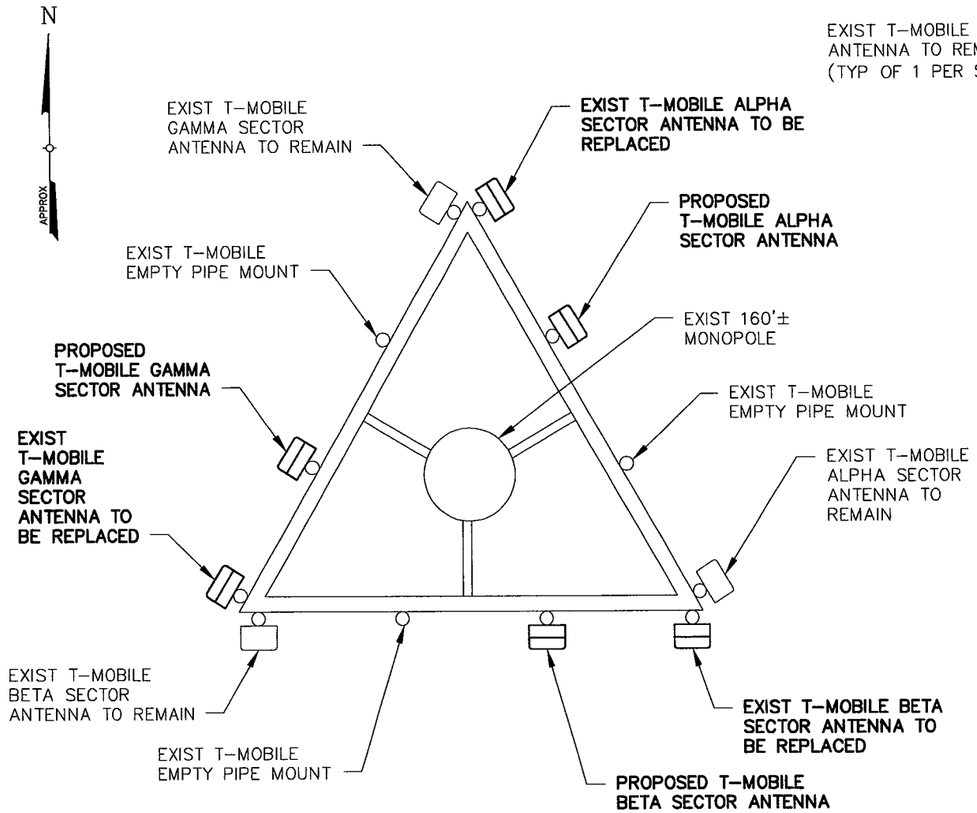
CT11069A
363 RIVERSVILLE ROAD
GREENWICH, CT 06831

SHEET TITLE

SITE PLAN

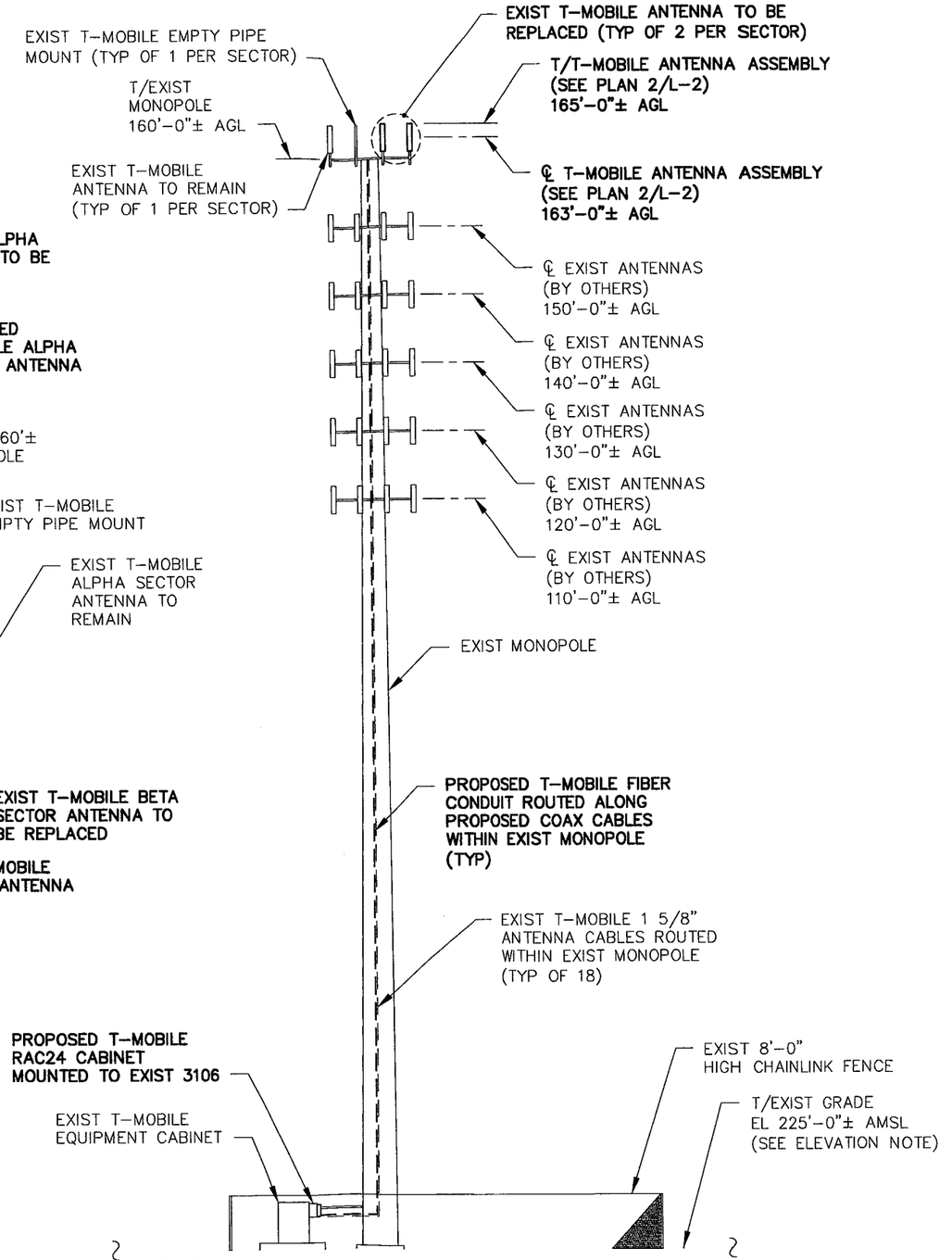
SHEET NUMBER

L-1



2/L-2 ANTENNA PLAN

SCALE: 1/4" = 1'-0"



NOTES:
1. EXISTING CO-LOCATOR EQUIPMENT NOT SHOWN FOR CLARITY
2. PROPOSED PBC 05 CABINET NOT SHOWN FOR CLARITY.

1/L-2 ELEVATION

SCALE: 1" = 20'-0"

STRUCTUAL NOTE:

EXIST MOUNTS, PLATFORMS AND TOWER STRUCTURE TO BE VERIFIED FOR STRUCTURAL SUITABILITY OF PROPOSED INSTALLATION BY A STATE LICENSED P.E.

ELEVATION NOTE:

ELEVATION OF EXIST SITE HAS BEEN ARBITRARILY ASSIGNED AS EL 225'-0"± TAKEN FROM U.S.G.S. QUAD MAP, AND DOES NOT NECESSARILY CORRESPOND TO ACTUAL ELEVATION ABOVE SEA LEVEL. ALL OTHER ELEVATIONS INDICATED WERE DETERMINED ON THIS BASIS.

CONFIGURATION

2C

0 1 2 3

ORIGINAL SIZE IN INCHES

TECTONIC
• PLANNING • SURVEYING
• ENGINEERING • CONSTRUCTION MANAGEMENT
TECTONIC Engineering & Surveying Consultants P.C.
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
Fax: (845) 567-8703

T-Mobile NORTHEAST LLC.

T-MOBILE NORTHEAST, LLC.
4 SYLVAN DRIVE
PARSIPPANY, NJ 07054
PHONE: (973) 686-8500

APPROVALS

T-MOBILE _____
LANDLORD _____
RF _____
CONSTRUCTION _____

PROJECT NUMBER	DESIGNED BY
6203.CT11069A	GL

REV	DATE	REVISION	DRAWN BY
0	3/27/12	FOR COMMENT	BW
1	4/16/12	CHANGED EQUIPMENT	SS
2	8/30/12	FIXED HEIGHT	SS

ISSUED BY _____ DATE _____

SITE INFORMATION

CT11069A
363 RIVERSVILLE ROAD
GREENWICH, CT 06831

SHEET TITLE

ELEVATION & ANTENNA PLAN

SHEET NUMBER

L-2

EXHIBIT B

AT&T Towers
5405 Windward Pkwy
Alpharetta, GA 30004
(770) 708-6100

GPD GROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
Kevin Clements
1117 Perimeter Center West; Suite W303
Atlanta, GA 30338
(678) 781-5061
kclements@gpdgroup.com

GPD# 2012857.63
August 16, 2012

STRUCTURAL OPINION LETTER

AT&T DESIGNATION:	**Site USID:**	**26225**
	Site FA:	**10034990**
	Site Name:	**GREENWICH NORTH**
	AT&T Project:	**T-Mobile Modification 5-15-2012**
OPINION CRITERIA:	**Codes:**	**TIA/EIA-222-F, 2003 IBC, ASCE 7-05 & 2005 CTBC** **85-mph with 0" ice** **37-mph with 3/4" ice**
SITE DATA:		**363 Riversville Road, Greenwich, CT. 06831, Fairfield County** **Latitude 41° 03′ 59.527" N, Longitude 73° 40′ 17.097" W** **Market: New England** **160′ EEI Monopole**

Ms. Charlotte Malone,

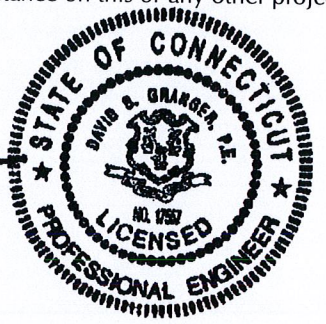
GPD Group is pleased to submit this Structural Opinion Letter to determine the structural integrity of the aforementioned tower with the addition of the existing and proposed loading configuration detailed in the analysis report.

This opinion letter assumes the tower has been well maintained and is in good condition with no structural defects. This is not a condition assessment of the structure. It is only a review based on the previous structural analysis by GPD Group (Job #: 2012856.54, dated 7/31/2012), which gave a tower rating of 78.5% and a foundation rating of 62.7%. This letter is not based on a computer structural analysis.

Based on a comparison of the proposed loading configuration with the previously analyzed loading configuration, it was determined that the dead load and wind load increases will be negligible. We have determined that the **tower and its foundation should be sufficient** for the proposed and future loading configurations.

We at GPD Group appreciate the opportunity of providing our professional services to you and AT&T Mobility. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted,



David B. Granger, P.E.
Connecticut #: 17557

APPENDIX A

Tower Opinion Summary Form

Tower Opinion Summary Form

General Info

Site Name	GREENWICH NORTH
Site Number	26225
FA Number	10034990
Date of Analysis	8/16/2012
Company Performing Analysis	GPD

Tower Info	Description	Date
Tower Type (G, SST, MP)	MP	
Tower Height (top of steel AGL)	160'	
Tower Manufacturer	EEI	
Tower Model	n/a	
Tower Design	EEI Project #: 5590	4/10/2003
Foundation Design	n/a	
Geotech Report	WEI Project #: 2009-895	9/4/2009
Tower Mapping	GPD Group & MTSI Northeast	2/18/2009
Previous Structural Analysis	GPD Project #: 2012856.54	7/31/2012
Foundation Mapping	WEI Project #: 2009-895	9/4/2009

Design Parameters

Design Code Used	TIA/EIA-222-F, 2003 IBC ASCE 7-05 & 2005 CTBC
Location of Tower (County, State)	Fairfield, Conecticut
Basic Wind Speed (mph)	85-fastest
Ice Thickness (in)	0.75
Structure Classification (I, II, III)	
Exposure Category (B, C, D)	
Topographic Category (1 to 5)	

Steel Yield Strength (ksi)

Pole	65
Flange Bolts	A325
Flange Plates	60
Anchor Rods	75
Base Plate	60

Existing / Reserved Loading

Antenna								Mount			Transmission Line			
Antenna Owner	Mount Height (ft)	Antenna CL (ft)	Quantity	Type	Manufacturer	Model	Azimuth	Quantity	Manufacturer	Type	Quantity	Model	Size	Attachment Internal/External
T-Mobile	160	163	5	Panel	EMS Wireless	RR90-17-02DP	40,185,310	1	Unknown	12' LP Platform	18	Unknown	1-5/8"	Internal
T-Mobile	160	163	5	TMA	Communication C	DTMA-1819-DD-12	40,185,310			behind the antennas				
T-Mobile	160	163	3	Panel	RFS	APX16DWV-16DWVS-A20	40,185,310			on same mount				
T-Mobile	160	163	1	Panel	RFS	APXV18-206516SA20	40,185,310			on same mount				
T-Mobile	160	163	4	TMA	RFS	ATMAA1412D-1A20	40,185,310			behind the antennas				
AT&T Mobility	148	154	6	Panel	Powerwave	7770.00	62,183,302	1	Unknown	12' LP Platform	12	Unknown	1-5/8"	Internal
AT&T Mobility	148	154	12	TMA	Powerwave	LGP 21401	62,183,302			on same mount				
AT&T Mobility	148	150	3	Panel	Powerwave	P65-16-XLH-RR	62,183,302			on same mount	2	DC Power	7/8"	Internal
AT&T Mobility	148	148	6	RRH	Ericsson	RRU-11				on same mount	1	Fiber	1/2"	Internal
AT&T Mobility	148	148	1	DC Unit	Raycap	DC6-48-60-18-8F				on same mount	1	Unknown	RET cable	Internal
Verizon	141.5	141.5	6	Panel	Andrew	APL868013-42TO	40,155,275	1	Unknown	12' LP Platform	18	Unknown	1-5/8"	Internal
Verizon	141.5	141.5	3	Panel	Powerwave	P6516XL-2	40,155,275			on same mount				
Verizon	141.5	141.5	3	Panel	Rymsa	MG D3-800TO	40,155,275			on same mount				
Nextel	131	131	12	Panel	Decibel	DB4H9E	20,140,260	1	Unknown	12' LP Platform	12	Unknown	1-1/4"	Internal
Nextel	131	131									3	Unknown	1/2"	Internal
Sprint	122	122	6	Panel	Decibel	DB980F90E-M		1	Unknown	12' LP Platform	6	Unknown	1-5/8"	Internal
Sprint	72	73	1	GPS	Unknown	GPS	110	1	Unknown	4' Standoff	1	Unknown	1/2"	Internal

Note: All existing Antennas and TMA's at 163' shall be removed except for (3) ATMAA1412D-1A20 TMA's and (3) RR90-17-02DP antennas. (6) 1-5/8 coax to 163' shall be removed as well in order for this opinion letter to be valid.

Proposed Loading

Antenna								Mount			Transmission Line			
Antenna Owner	Mount Height (ft)	Antenna CL (ft)	Quantity	Type	Manufacturer	Model	Azimuth	Quantity	Manufacturer	Type	Quantity	Model	Size	Attachment Internal/External
T-Mobile	160	163	3	Panel	Ericsson	AIR21 B2A/B4P	40,185,310			on existing mount	1	Hybrid cable	40 mm	Internal
T-Mobile	160	163	3	Panel	Ericsson	AIR21 B4A/B2P	40,185,310			on existing mount				

Note: The proposed loading is in addition to the remaining existing/reserved loading at the same elevation.

Future Loading

Antenna								Mount			Transmission Line			
Antenna Owner	Mount Height (ft)	Antenna CL (ft)	Quantity	Type	Manufacturer	Model	Azimuth	Quantity	Manufacturer	Type	Quantity	Model	Size	Attachment Internal/External
AT&T Mobility	148	150	3	Panel	Powerwave	P65-16-XLH-RR	30,150,270			on existing mount	6	LDF7-50A	1 5/8"	Internal
Sprint	122	122	6	Panel	RFS	APXVSPP18-C-A20	95,200,350			on existing mount	3	Hybriflex	1 1/4"	Internal
Sprint	122	122	3	RRH	Alcatel	1900 MHz RRH				on existing mount				
Sprint	122	122	3	RRH	Alcatel	800 MHz RRH				on existing mount				

Note: The future loading shall be in addition to the existing loading at the same elevation.

EXHIBIT C

EBI CONSULTING
www.ebiconsulting.com

21 B Street
Burlington, MA 01803
Tel: (781) 273.2500
Fax: (781) 273.3311

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT
EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

T-Mobile Existing Facility

Site ID: CT11069A

Greenwich Boy Scouts 2
363 Riversville Road
Greenwich, CT 06831

July 31, 2012

EBI CONSULTING
www.ebiconsulting.com

21 B Street
Burlington, MA 01803
Tel: (781) 273.2500
Fax: (781) 273.3311

July 31, 2012

T-Mobile USA
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, CT 06002

Re: Emissions Values for Site CT11069A – Greenwich Boy Scouts 2

EBI Consulting was directed to analyze the proposed T-Mobile facility located at 363 Riversville Road, Greenwich, CT, for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (μW/cm2). The number of μW/cm2 calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter (μW/cm2). The general population exposure limit for the cellular band is 567 μW/cm2, and the general population exposure limit for the PCS band is 1000 μW/cm2. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

21 B Street
Burlington, MA 01803
Tel: (781) 273.2500
Fax: (781) 273.3311

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 363 Riversville Road, Greenwich, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, the actual antenna pattern gain value in the direction of the sample area was used. For this report the sample point is a 6 foot person standing at the base of the tower

For all calculations, all equipment was calculated using the following assumptions:

1) 2 GSM channels (1940.000 MHz—to 1950.000 MHz) were considered for each sector of the proposed installation.
2) 2 UMTS channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
3) 2 LTE channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The actual gain in this direction was used per the manufactures supplied specifications.
6) The antenna used in this modeling is the Ericsson AIR21 for LTE, UMTS and GSM. This is based on feedback from the carrier with regards to anticipated antenna selection. This antenna has a 15.6 dBd gain value at its main lobe. Actual antenna gain values were used for all calculations as per the manufacturers specifications

EBI CONSULTING
www.ebiconsulting.com

21 B Street
Burlington, MA 01803
Tel: (781) 273.2500
Fax: (781) 273.3311

7) The antenna mounting height centerline of the proposed antennas is **163 feet** above ground level (AGL)
8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculation were done with respect to uncontrolled / general public threshold limits

Site ID	CT11069A - Greenwich_Boy Scouts 2
Site Addresss	363 Riversville Road, Greenwich, CT 06831
Site Type	Monopole

Sector 1

Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	163	157	None	0	0	48.3260441	0.704836	0.07048%
1b	Ericsson	AIR21 B4A/B2P	Not Used	-	-			0	-3.95	163	157	None	0	0	0	0	0.00000%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	163	157	1-5/8"	0	0	24.1630221	0.352418	0.03524%
2B	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	163	157	1-5/8"	0	0	24.1630221	0.352418	0.03524%
														Sector total Power Density Value:			0.1410%

Sector 2

Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	163	157	None	0	0	48.3260441	0.704836	0.07048%
1b	Ericsson	AIR21 B4A/B2P	Not Used	-	-			0	-3.95	163	157	None	0	0	0	0	0.00000%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	163	157	1-5/8"	0	0	24.1630221	0.352418	0.03524%
28	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	163	157	1-5/8"	0	0	24.1630221	0.352418	0.03524%
														Sector total Power Density Value:			0.1410%

Sector 3

Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBd)	Antenna Height (ft)	analysis height	Cable Size	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	163	157	None	0	0	48.3260441	0.704836	0.07048%
1b	Ericsson	AIR21 B4A/B2P	Not Used	-	-			0	-3.95	163	157	None	0	0	0	0	0.00000%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	163	157	1-5/8"	0	0	24.1630221	0.352418	0.03524%
28	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	163	157	1-5/8"	0	0	24.1630221	0.352418	0.03524%
														Sector total Power Density Value:			0.1410%

Site Composite MPE %	
Carrier	MPE %
T-Mobile	0.423%
AT&T	12.710%
Verizon Wireless	11.920%
Nextel	3.380%
Sprint	3.350%
Total Site MPE %	**31.783%**

EBI CONSULTING
www.ebiconsulting.com

21 B Street
Burlington, MA 01803
Tel: (781) 273.2500
Fax: (781) 273.3311

Summary

All calculations performed for this analysis yielded results that were well within the allowable limits for general public exposure to RF Emissions.

The anticipated Maximum Composite contributions from the T-Mobile facility are **0.423% (0.141% from each sector)** of the allowable FCC established general public limit considering all three sectors simultaneously.

The anticipated composite MPE value for this site assuming all carriers present is **31.783%** of the allowable FCC established general public limit. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were within the allowable 100% threshold standard per the federal government