Please Reply To:
Sam Simons
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December 29, 2015

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

## EM-T-MOBILE-007-150206

T-Mobile Site ID CT11004B 240 Kensington Road, Berlin CT Notice of Compliance with Conditions and 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 February 25, 2015. The Council imposed the following condition in its acknowledgment:

- Perform structural modifications in accordance with the structural analysis report prepared by B+T Group dated January 30, 2015 and stamped by Chad Tuttle;
- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation that its installation complied with the recommendations of the Structural Analysis Report;
- Any deviation from the proposed modification as specified in this notice and supporting materials with the 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;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function;
- 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 attached PE Closeout Letter, dated December 18, 2015, provides evidence of compliance with the conditions outlined by the Council.

In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of October 19, 2015.

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

Sincerely,

Samuel Simons, T-Mobile

Sam Simons

CC: Mark Richard, T-Mobile





Date: December 18, 2015

Mark Appleby Northeast Site Solutions T-Mobile 199 Brickyard Rd Farmington, CT 06032

Paul J Ford and Company 250 E. Broad St., Suite 600 Columbus, OH 43215 614-221-6679

Subject:

**Post Construction Review** 

Carrier Designation:

**T-Mobile Co-Locate** 

Carrier Site Number:

CT11004B

**Siting Council ID:** 

EM-T-MOBILE-007-150206

Engineering Firm Designation:

Paul J Ford and Company Project Number: 79915-0024.001.7100

Site Data:

240 Kensington Road, Berlin, CT, Hartford County

190 Foot – Monopole Tower

Dear Mark Appleby,

Paul J. Ford and Company has completed a post-construction review per the requirements of the Connecticut Siting Council. The purpose of the letter is to verify that the proposed antennas listed in Table 1 (next page) have been installed. The review is consistent with the guidelines as stated in the 2005 Connecticut Building Code and the TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a fastest mile wind speed of 80 mph with no ice, 38 mph with 1 inch ice thickness and 50 mph under service loads.

Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from B+T Group (job number 87581.010.01, dated January 30, 2015) we have determined that loading is similar and should not change the analysis concluded by others.

Based upon a review of the photos provided, it appears that the antennas and equipment listed in Table 1 have been installed.

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:

Joshua Johnson Structural Designer

**Table 1 - Proposed Antenna and Cable Information** 

	unting vel (ft)	Elevation	Number of Antennas	Antenna Manufacturer		Number of Feed Lines	Feed Line Size (in)	Note
184.0	1010	184.0	3	Andrew	ATBT-TOP-MF-4G	-	-	_
	04.0		3	Commscope	LNX-6515DS-A1M			_

Notes:

**Table 2 - Existing Antenna and Cable Information** 

Mounting Level (ft)	Center	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
	196.0	1	Kathrein	OGB4-900D	1 1	7/8 1/2	1
192.0		1	Mti Wireless Edge	MT-485002			
	192.0	2	-	Side Arm Mount [SO 701-1]	'	1/2	
191.0	196.0	1	Andrew	DB589-A	1	5/16	1
191.0	190.0	1	Motorola	WB2623	1	1/2	1
		3	Powerwave Tech	LGP21401	_	-	3
1		3	EMS Wireless	RR90-17-02DP			
		3	EMS Wireless	RR90-17-02DP	18	1-5/8	,
184.0	184.0	3	Ericsson	KRY 112 489/1			
		3	Ericsson	KRY 112 144/1			
		3	RFS Celwave	APXV18-206516L-A			
		1	-	Platform Mount [LP 405-1]			
	160.0	6	Commscope	HBXX-6517DS-VTM	7	1-5/8	2
		2	Commscope	LNX-8514DS-VTM			
		3	Antel	BXA-70063-6CF-2			
100.0		1	Commscope	LNX-6514DS-VTM			
160.0		3	Alcatel Lucent	RRH2X60-AWS			
		3	Alcatel Lucent	RRH2X60-PCS			
		1	RFS Celwave	DB-T1-6Z-8AB-0Z			
		1	-	Platform Mount [LP 303-1]	12	1-5/8	1
	158.0	1	Decibel	DB205-A	2	7/8	1
158.0		1	Sinclair	SRL-224NM-4			
		2	-	Side Arm Mount [SO 702-1]			
	151.0	2	Andrew	SBNH-1D6565C	2 1	3/8 7/16	2
		6	Communication Components Inc.	DTMABP7819VG12A			
		1	KMW	AM-X-CD-16-65-00T-RET			
		6	Powerwave	CM1007-DBPXBC-003			
151.0		6	Powerwave	LGP21901			
		2	Andrew	SBNH-1D6565C	12	1-1/4	1
		1	KMW	AM-X-CD-16-65-00T-RET			
		3	Powerwave	7770.00			
		1	-	Platform Mount [LP 403-1]			

<sup>1.)</sup> Verified Antenna/coax installation heights and quantities

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
	148.0	6	Ericsson	RRU-11	-	-	2
148.0		1	Raycap	DC6-48-60-18-8F			
140.0		1	-	Pipe Mount [PM 601-1]			
		2	-	Pipe Mount [PM 601-3]			
132.0	132.0	1	Sinclair	SRL-235-2	1	7/8	1
132.0		1	-	Side Arm Mount [SO 702-1]			
		1	Decibel	DB205-A	1 1	1/2 1-5/8	1
124.0	124.0	1	Decibel	PCS 1900 TMA RX			
		1	-	Side Arm Mount [SO 701-1			
	120.0	1	Andrew	VHLP2.5-10W	9 3 3	1-1/4 5/16 1/2	1
		1	Dragonwave	HORIZON DUO			
116.0	118.0	3	Argus	LLPX310R			
116.0		9	Decibel	DB844G90A-XY			
		3	Samsung	WIMAX DAP HEAD			
	116.0	1	-	Platform Mount [LP 405-1]			
100.0	100.0	3	Kathrein	742 213	6	1-5/8	1
100.0		1	-	Pipe Mount [PM 601-3]			
	99.0	2	Decibel	DB205-A		5/16 1/2 7/8	1
00.0	90.0	1	Andrew	KP2F-34	1 2 1		
90.0		1	Mti Wireless Edge	MT-485002			
		2	-	Side Arm Mount [SO 702-1]			
07.0	07.0	2	GPS	GPS_A	2	1/2	
87.0	87.0	2	-	Side Arm Mount [SO 701-1]			
70.0	70.0	1	Sinclair	SRL-235-2	1	7/0	
70.0	70.0	1	-	Side Arm Mount [SO 702-1]		7/8	
F0.0	58.0	1	Decibel	DB583	1	1/2	
58.0		1	-	Side Arm Mount [SO 702-1]			
42.0	43.0	1	Decibel	DB909XVTE-M	1	1/0	
43.0		1	-	Side Arm Mount [SO 702-1]		1/2	
22.0	33.0	1	Decibel	DB909XVTE-M	1	4/0	
33.0		1	-	Side Arm Mount [SO 702-1]		1/2	

Notes:

Existing Equipment Reserved Equipment Equipment To Be Removed 1) 2) 3)