## ·T· · · Mobile·

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

February 3, 2016

Attorney Melanie Bachman Connecticut Siting Council 10 Franklin Square New Britain, CT 06501

## EM-METROPCS-061-140910

T-Mobile Site ID CTHA522A 139 Morris Hubbard Road, Higganum CT Notice of Compliance with Conditions and Construction Completion

Dear Attorney Bachman:

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:

- Prior to installing antennas and equipment MetroPCS Massachusetts I.LC shall reinforce the tower in accordance with the Site Plans dated July 30, 2014 and stamped by William Garrett on August 8,
- **2**014:
- Install coax in accordance with the structural analysis report prepared by ATC, dated and stamped by William Garrett on August 11, 2014;
- Within 45 days following completion of the equipment installation, MetroPCS Massachusetts I.LC 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 MetroPCS Massachusetts, LLC 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 February 3, 2016 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 March 13, 2015.

Sincerely,

Sam Simons



Date: February 3, 2016

Sam Simons Engineering Development - Connecticut T-Mobile 35 Griffin Road South Bloomfield, CT 06002

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:

Siting Council ID:

CTHA522A

EM-METROPCS-061-140910

Engineering Firm Designation:

Paul J Ford and Company Project Number: 79916-0013.001.8100

Site Data:

139 Morris Hubbard Road, Higganum (Haddam), CT

150 Foot - Monopole

Dear Sam Simons.

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 85 mph, 74 mph with 1/2 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 American Tower Corporation [engineering number 59148926 dated August 11, 2014] 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:

Kurt J. Swarts, P.E. Project Manager

Table 1 - Proposed Antenna and Cable Information

Mounting Level (ft)	Elevation	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
140.0	140.0	3	ericsson	KRY 112 144/1	12	1-5/8	1,2
		3	andrew	ETT19V2S12UB			
		3	rfs	APXV18-206517LS-C			
		2	· =	flush mounts	-	-	

Notes:

- Verified antenna/coax installation heights and quantities Proposed coax installed on outside of pole shaft.

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

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
150.0	153.0	6	powerwave	LGP21903	15 2 1 1	1-5/8 0.87 3 0.39	1
		1	raycap	DC6-48-60-18-8F			
		6	powerwave	LGP17201			
		6	ericsson	RRUS 11			
		6	allgon	7770.00			
		2	kmw	AM-X-CD-16-65-00T- RET			
		1	powerwave	P65-17-XLHH-RR			
	150.0	2	decibel	DB910CE-M			
	146.0	1	decibel	DB809KT3E-XC			
	150.0	1	-	Platform w/ handrails	-	-	
131.0	131.0	12		48"x12" Panels	15	1-5/8	
		1	_	Low Profile Platform	-	_	
70.0	70.0	1	<b>—</b>	Channel Master 120	1	RG6	İ
		1		Pipe Mount	-	-	
50.0	50.0	1	lucent	KS-24019	1	1/2	
		1	H	Flush Mount	-	_	
37.6	37.6	1	PCTel	GPS-TMG-HR-26N	1	1/2	
		1	-	Flush Mount	-		j

Notes:

Existing Equipment