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Please Reply To:  
Sam Simons  
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January 25, 2016

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

**EM-T-MOBILE-152-150309**  
T-Mobile Site ID CT11473A  
45 Fargo Road, Waterford 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:

- Install the coax in accordance with the structural analysis report prepared by FDH Engineering, stamped by Dennis Abel on February 23, 2015;
- Install antennas in accordance with Site Plans A-2 and A-3, dated February 10, 2015 and stamped by Daniel Hamm;
- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation that its installation complied with the recommendations of the Structural Engineers;
- 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 January 19, 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 May 20, 2015.

Sincerely,

*Sam Simons*

Samuel Simons, T-Mobile

CC: Mark Richard, T-Mobile

Date: **January 19, 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:**

CT11473A

**Siting Council ID:**

EM-T-Mobile-152-150309

**Engineering Firm Designation:**

**Paul J Ford and Company Project Number: 79916-0002.001.7100**

**Site Data:**

**45 Fargo Road, Waterford New London County, CT  
183 Foot – Monopole Tower**

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 with no ice, 38 mph with 3/4 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 FDH Engineering [project number 15BDTN1400, dated February 23, 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:

Kurt J. Swarts, P.E.  
Project Manager

**Table 1 - Proposed 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
153	153	3	commscope	LNx-6515DS	-	-	-
		3	ericsson	S11B12			

Notes:  
 1) Verified antenna/coax installation heights and quantities

**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
183	183	1	-	Low Profile Platform	-	-	1
172	172	6	andrew	HBXX-6517DS	18	1-5/8	1
		4	antel	LPA-80080/4CF			
		3	andrew	LNx-6514DS			
		2	rfs	APL866513			
		1	lucent	KS24019	2	1-5/8 Hybriflex	
		3	alcatel lucent	RRH2x60-AWS			
		3	alcatel lucent	RRH2x60-PCS			
		2	rfs	DB-T1-6Z-8AB-0Z			
		1	-	Low Profile Platform	-	-	
163 <sup>2</sup>	163 <sup>2</sup>	3	argus	LLPX310R	3	9/16	1
		3	samsung	DAP Radio Heads	3	5/16	
162	162	1	-	Low Profile Platform	-	-	
153	153	3	ericsson	Air B2A B4P	12	1 5/8	1
		3	ericsson	Air B4A B2P	1	1-5/8 Fiber	
		3	ericsson	KRY 112 144/1 TMAs			
152	152	1	-	Low Profile Platform	-	-	
143	143	3	powerwave	7770	12	1-1/4	1
		2	kmw	AM-X-CD-16-65-00T			
		2	andrew	SBNH-1D6565C			
		2	powerwave	P65-17-XLH-RR	2	3/4 DC	
		6	ADC Cleargain	850-1900 TMAs			
		6	ericsson	RRUS11	1	7/16 Fiber	
		3	powerwave	LGP13519 Diplexers			
		3	CSS	DBC-750 Diplexers			
		1	raycap	DC6-48-60-18-8F			
1	-	Low Profile Platform	-	-			

Notes:  
 1) Existing Equipment  
 2) Coax installed inside of 3" conduit, which is mounted inside of pole shaft.  
 All coax are located inside the pole shaft.