

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

September 8, 2016

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

EM-T-MOBILE-161-150611
T-Mobile Site ID CT11040D
46 Fenwood Lane, Wilton 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:

- Reinforcements shall be made in accordance with the structural analysis report prepared by AECOM dated/stamped on May 5, 2015 by Richard Sambor;
- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the **recommendations of the structural analysis**;
- 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 Northeast 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 August 25, 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 10, 2016.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations



Date: **August 25, 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: CT11040D
Siting Council ID: EM-T-Mobile-161-150611

Engineering Firm Designation: **Paul J Ford and Company Project Number:** 31216-0014.001.8300

Site Data: **46 Fenwood Lane, Wilton, Fairfield County, CT**
180 Foot – Self-Support 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, and to verify that the proposed tower modifications have been completed. 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 90 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 the AECOM analysis report [project number 36931390 NSS-017 Rev. 1, dated May 5, 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 proposed antennas and equipment listed in Table 1 have been installed.

Per the AECOM report, modifications to the tower foundation were to be completed prior to installation of the antennas. Paul J. Ford and Company has reviewed Field Observation Reports prepared by Terracon (Terracon Project No. J2161006), dated January 20 and February 7, 2016. Per these reports, it appears that the foundation modification was completed in conformance to the AECOM design drawings SK-1 and SK-2, dated November 16, 2015.

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

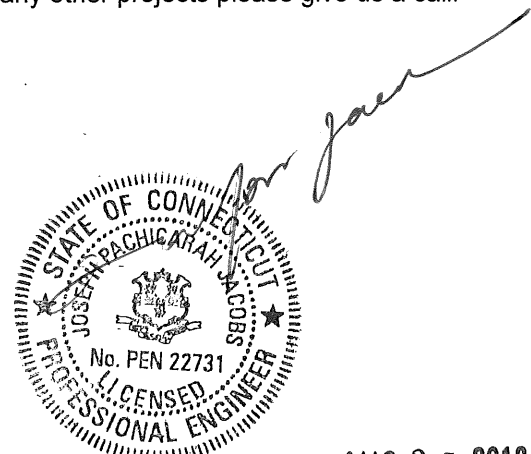


Table 1 - Proposed Antenna and Cable Information

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
122	122	3	ericsson	AIR21 B2A/B4P	6	1-1/4 Coax	1
		3	ericsson	AIR21 B4A/B12P			
		3	-	UMTS TMAs			
		3	-	LTE TMAs	2	Fiber Optic Cables	
		3	ericsson	RRUS 12 B12			
		3	-	Antenna Mounts			

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
180	180	3	-	6' Dishes	N/A	N/A	1
180	180	2	scala	OGT9-806	4	1-5/8 7/8	1
		2	-	TX/RX 101-83B-09			
		1	-	7' Omni	-	-	
		3	-	4' Standoff Mounts	-	-	
180	180	1	-	10' Dipole	1	7/8	1
		1	-	TX/RX TMA	1	1/2	
		1	-	Pipe Mount	-	-	
180	180	1	-	6' Dish	1	WEP65	1
		1	-	Pipe Mount	-	-	
176	176	2	-	6' Dishes	2	WEP65	1
		2	-	Pipe Mounts	-	-	
170	170	1	-	8-Bay Dipole	1	7/8	1
		1	-	5' Omni	1	7/8	
		2	-	6' Standoff Mounts	-	-	
169	169	1	-	3' Omni	1	7/8	1
163	163	6	powerwave	7770	12	1-5/8	1
		6	powerwave	LGP21401 TMAs			
		3	powerwave	P-65-16-XLH-RR	1	3" Flex Conduit w/ Fiber & DC Cables	
		6	ericsson	RRU			
		12	powerwave	LGP21901 Diplexer			
		3	powerwave	TT1-08-BP111-001 TMAs			
		1	raycap	Surge Protector			
		3	-	T-Frames			

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note	
160	160	3	-	TX/RX 101-83B-08-T5	3	1-5/8	1	
		1	-	TX/RX TMA	1	1/2		
150	150	1	decibel	DB636	1	7/8	1	
		1	-	4' Standoff	-	-		
145	145	1	-	3' Yagi	1	7/8	1	
		1	-	6' Standoff	-	-		
130	130	1	-	6' Dish	1	WEP65	1	
		1	-	Pipe Mount	-	-		
122	122	SEE PROPOSED ANTENNA - TABLE 1					6	1-1/4
		3	ericsson	AIR21 B2A/B4P	1	7/8		
		3	-	UMTS TMAs				
120	120	1	decibel	DB586-Y (upright)	1	7/8	1	
		1	decibel	DB586-Y (inverted)	1	7/8		
		1	-	6' Standoff	-	-		
120	120	1	celwave	PD-128	2	7/8	1	
		1	-	17' Omni				
		1	-	6' Standoff	-	-		
120	120	1	celwave	PD-128	1	7/8	1	
116	116	1	-	ASP-711	1	7/8	1	
112	112	1	decibel	DB-222	1	7/8	1	
106	106	3	rfs	APXVSP18-C	3	Hybriflex	1	
		6	Alcatel Lucent	RRH				
		3	-	10' Frame	-	-		
101	101	1	-	BCD806-09NE	1	1-5/8	1	
100	100	1	-	4' Grid Dish	1	7/8	1	
		1	-	Pipe Mount	-	-		
100	100	1	-	15' Omni	1	7/8	1	
		1	-	4' Standoff	-	-		
85	85	1	-	20' 4 Bay Dipole	1	7/8	1	
		1	-	3' Standoff	-	-		
80	80	1	-	Ice Shield	-	-	1	
75	75	1	-	6' Grid Dish	1	1/2	1	
		1	-	Pipe Mount	-	-		
65	65	1	-	GPS	1	1/2	1	
		1	-	3' Standoff	-	-		
47	47	1	decibel	DB-803 Omni	1	1/2	1	
		1	-	3' Standoff	-	-		

Notes:
 1) Existing Equipment