



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

May 2, 2018

Mark Roberts
QC Development
P.O. Box 916
Storrs, CT 06268

RE: **EM-CING-109-180403** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 954 Norwich Road, Plainfield, Connecticut.

Dear Mr. Roberts:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on April 3, 2018. On April 12, 2018, the Council issued a letter (enclosed) stating that your filing was incomplete because the construction drawings included with the filing depict a proposed handrail kit that was not included in the structural analysis report. The Council requested that QC Development provide an updated Structural Analysis Report accounting for all existing and proposed equipment that would be located on the tower as shown in the construction drawings.

On April 30, 2018, the Council received a Structural Opinion Letter stamped and signed by a Professional Engineer duly licensed in the State of Connecticut stating the engineer's opinion that the tower structure and foundation are sufficient to support the loads proposed, including the handrail kit. However, the Council's April 12, 2018 correspondence to you required an updated Structural Analysis Report.

Therefore, the exempt modification filing remains incomplete at this time. The Council recommends that QC Development provide a full updated Structural Analysis Report for the proposed loading including the handrail kit that includes, but is not limited to, the Analysis Results section and final percentage of load on the capacity of the structure and foundation by June 4, 2018. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to June 4, 2018.

This notice of incompleteness shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie Bachman
Executive Director

MAB/CW

- c: The Honorable Cathy Tendrich, First Selectman, Town of Plainfield
- Ryan Brais, Zoning Officer, Town of Plainfield
- Lou Soja, Planning and Engineering, Town of Plainfield
- Caya Enterprises LLC, property owner
- Crown Castle, tower owner





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RE: EM-CING-109-180403 – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 954 Norwich Road, Plainfield, Connecticut.

Dear Mr. Roberts:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on April 3, 2018.

According to Section 16-50j-71 of the Regulations of Connecticut State Agencies, "...any modification, as defined in Section 16-50j-2a of the Regulations of Connecticut State Agencies, to an existing tower site, except as specified in Sections 16-50j-72 and 16-50j-88 of the Regulations of Connecticut State Agencies, may have a substantial adverse environmental effect."

Staff has reviewed this exempt modification request for completeness and has identified a deficiency in the filing. The construction drawings prepared by Advanced Engineering Group, P.C. last revised on March 5, 2018, depict a proposed handrail kit as required by a mount analysis completed by B+T Group dated 3/1/18 (see Sheet No. A3). The proposed handrail kit is not included in the Structural Analysis Report prepared by Crown Castle dated March 6, 2018.

Therefore, the exempt modification request is incomplete at this time. The Council recommends that QC Development provide an updated Structural Analysis Report accounting for all existing and proposed equipment that would be located on the tower as shown in the construction drawings of March 5, 2018 on or before May 3, 2018. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to May 3, 2018.

This notice of incompleteness shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie Bachman (handwritten signature)

Melanie Bachman
Executive Director

MAB/CW

- c: The Honorable Cathy Tendrich, First Selectman, Town of Plainfield
Ryan Brais, Zoning Officer, Town of Plainfield
Lou Soja, Planning and Engineering, Town of Plainfield
Caya Enterprises LLC, property owner
Crown Castle, tower owner



CONNECTICUT SITING COUNCIL
Affirmative Action / Equal Opportunity Employer

From: Mark Roberts [mailto:mark.roberts@qcdevelopment.net]
Sent: Monday, April 30, 2018 1:15 PM
To: CSC-DL Siting Council
Subject: RE: Incomplete - EM-CING-109-180403 - Norwich Rd.
Importance: High

Hello Christina – Please review the attached Structural Letter, which is intended to supplement the Tower Structural Analysis for this filing and correct the April 12th incompleteness determination.

Please let me know if I can provide any additional information.

Thanks

Mark Roberts
QC Development
860-670-9068

Date: **April 26, 2018**

Charles McGuirt
Crown Castle
3530 Toringdon Way Suite 300
Charlotte, NC 28277



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject: **Structural Opinion Letter**

Carrier Designation: **AT&T Mobility Co-Locate**
Carrier Site Number: CT5458
Carrier Site Name: PLAINFIELD SOUTH

Crown Castle Designation: **Crown Castle BU Number:** 876359
Crown Castle Site Name: NORWICH
Crown Castle JDE Job Number: 478173
Crown Castle Work Order Number: 1564024
Crown Castle Order Number: 421276 Rev. 1

Engineering Firm Designation: **Crown Castle Project Number:** 1564024

Site Data: **954 Norwich Road, PLAINFIELD, Windham County, CT**
Latitude 41° 39' 31.46", Longitude -71° 55' 29.75"
130 Foot - Monopole Tower

Dear Charles McGuirt,

Crown Castle is pleased to submit this “**Structural Opinion Letter**” to determine the structural integrity of the above mentioned tower. This analysis has been performed in accordance with the Crown Castle Structural ‘Statement of Work’ and the terms of Crown Castle Purchase Order Number 1564024, in accordance with order 421276, revision 1.

The purpose of the opinion letter is to determine the suitability of the tower with the proposed, existing, and reserved loading as specified in Tables 1 & 2. This opinion is consistent with the guidelines as stated in the TIA-222-G standard and the 2016 Connecticut State Building Code based upon a 3-second gust wind speed an ultimate 3-second gust wind speed of 135 mph converted to a nominal 3-second gust wind speed of 105 mph.

Based on a comparison of the previous analysis loads (Crown Castle Work Order Number: 1518520 dated March 6, 2018) with the loads listed in Tables 1 & 2, we have determined the tower structure and foundation **ARE** sufficient.

We at the *Crown Castle* 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:

Maham Barimani, P. E.
Senior Project Engineer



04-27-2018

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
116.0	116.0	3	ericsson	RRUS12/RRUS A2	-	-	-
114.0	115.0	3	cci antennas	HPA-65R-BUU-H8 w/ Mount Pipe	2 1	3/4 3/8	-
		3	cci antennas	TPA-65R-LCUUUU-H8 w/ Mount Pipe			
		3	ericsson	RRUS 32			
		6	Powerwave tech	7020.00			
		1	raycap	DC6-48-60-18-8C			
		1	Site Pro1	HRK-12 Handrail Kit			

Table 2 - Existing and Reserved 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	
130.0	130.0	3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ	3 1	1-1/4 7/8	2	
		6	alcatel lucent	RRH2X50-800				
		3	alcatel lucent	TD-RRH8X20-25				
		3	kmw com	ETCR-654L12H6 w/ Mount Pipe				
		1	tower mounts	Kicker [NA 509-3]				
		1	tower mounts	Handrail [NA 510-1]				
		1	tower mounts	Platform Mount [LP 1201-1]				-
116.0	116.0	3	ericsson	RRUS-11	-	-	1	
		1	tower mounts	Side Arm Mount [SO 102-3]				
114.0	115.0	3	powerwave tech	LGP21401	12 2 1 1	1-1/4 3/4 3/8 Conduit	1	
		3	powerwave tech	7770.00 w/ Mount Pipe				
		3	powerwave tech	7770.00 w/ Mount Pipe				
		2	powerwave tech	P65-17-XLH-RR w/ Mount Pipe				
	114.0	114.0	1	kmw com	AM-X-CD-17-65-00T-RET w/ Mount Pipe	-	-	3
			3	powerwave tech	LGP21401	-	-	1
			6	powerwave tech	LGP21901			
			1	raycap	DC6-48-60-18-8F			
1	tower mounts	Platform Mount [LP 303-1]						

- Notes:
 1) Existing Equipment
 2) Reserved Equipment
 3) Equipment To Be Removed