



July 12, 2021

Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

**RE: Notice of Work Complete / T-Mobile
EM-T-MOBILE-152-200729
35 South Bartlett Road, Waterford, CT 06375
T-Mobile Site #: CTNL021D
SBA #: CT09680-S**

Members of the Siting Council:

On Behalf of T-Mobile, SBA Communications hereby notifies Council that the work has been completed at the aforementioned telecommunications facility.

Sincerely,

Scott Shepherd
Site Development Specialist II
SBA COMMUNICATIONS CORPORATION
134 Flanders Rd., Suite 125
Westborough, MA 01581
508.251.0720 x3807 + T
508.366.2610 + F
508.868.6000 + C
GShepherd@sbsite.com



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
Web Site: www.ct.gov/csc

VIA ELECTRONIC MAIL

August 17, 2020

G. Scott Shepherd
Senior Property Specialist
SBA Communications
134 Flanders Road, Suite 125
Westborough, MA 01581

RE: **EM-T-MOBILE-152-200729** – T-Mobile notice of intent to modify an existing telecommunications facility located at 35 South Bartlett Road, Waterford, Connecticut.

Dear Mr. Shepherd:

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:

1. Prior to T-Mobile's antenna installation, the antenna mount modifications shall be installed in accordance with the Mount Analysis prepared by Tower Engineering Solutions, dated July 10, 2020 and stamped and signed by Jarryd Tibbetts;
2. Within 45 days following completion of equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Mount Analysis;
3. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
4. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
5. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
6. 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;
7. The validity of this action shall expire one year from the date of this letter; and
8. 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 proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated July 29, 2020. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Sincerely,

s/ Melanie A. Bachman

Melanie A. Bachman
Executive Director

MAB/IN/emr

c: The Honorable Robert J. Brule, First Selectman, Town of Waterford
Abby Piersall, AICP, Planning Director, Town of Waterford

... **T** ... Mobile ...



ENGINEERING FINAL AFFIDAVIT

CTNL021D

NL021/SBA Waterford FT

ADDRESS:

35 South Bartlett Road
Waterford, CT 06385

DATE:

May 3, 2021



May 3, 2021

T-Mobile Northeast LLC

15 Commerce Way, Suite B
Norton, MA 02766

**Reference: Engineering Field Visit and Completion Affidavit
Site CTNL021D – NL021/SBA Waterford FT
35 South Bartlett Road, Waterford, CT 06385
CEA Job Number 1815.120**

Site Description:

The site is located at an existing telecommunication compound in Waterford, Connecticut. The site includes ground level equipment mounted to the concrete pad, as well as antennas, RRHs & ancillary equipment mounted to the lattice tower. (9) New panel antennas & (6) new RRHs were mounted to the reinforced sector frames (designed by others) on the existing lattice tower. (9) New signal cables routed along the existing cable path from the equipment area to the antenna array. (4) New cabinets mounted to the existing ground level concrete pad replacing (1) existing cabinet. All the new equipment was tied into the existing ground system on site. Existing site telco & power were utilized for the upgrade.

Engineering Field Visit

April 30, 2021, Chappell Engineering Associates, LLC (CEA) performed a field inspection of the newly installed T-Mobile equipment described above to verify it is in general conformance to the engineering construction documents (Revision #3 "Construction Revised" dated 06/05/20). The following site photos and field visit form documents the installation, and the enclosed Final Construction Control Document is attached as requested.

Very truly yours,
CHAPPELL ENGINEERING ASSOCIATES, LLC



Clement J. Salek, P.E.

Final Report of Special Inspections

Project: CTNL021D - NL021/SBA Waterfort FT
Location: 35 South Bartlett Road, Waterford, CT 06385
Owner: Town of Waterford
Owner's Address: 15 Rope Ferry Road
Waterford, CT 06385
Architect of Record: N/A
Structural Engineer of Record: Chappell Engineering Associates
Jarryd Tibbetts No. 34170

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments: Based on inspection, the sector frame modifications per T.E.S. (Tower Engineering Solutions) by Jarryd Tibbetts dated 07/09/2020 & construction drawings dated by Chappell Engineering dated 08/05/2020 were completed per the plans.

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspector

Clement J. Salek
(Type or print name)

Signature

05/03/21

Date



Licensed Professional Seal

Final Report of Special Inspections

Agent's Final Report

Project: CTNL021D - NL021/SBA Waterfort FT

Agent: Clement J. Salek

Special Inspector: Christopher Wilson

To the best of my information, knowledge and belief, the Special Inspections or testing required for this project, and designated for this Agent in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments: Based on inspection, the sector frame modifications per T.E.S. (Tower Engineering Solutions) by Jarryd Tibbetts dated 07/09/2020 & construction drawings dated by Chappell Engineering dated 08/05/2020 were completed per the plans.

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Agent of the Special Inspector

Clement J. Salek
(Type or print name)

Signature

05/03/21

Date



Licensed Professional Seal or
Certification



(3) New Cabinets Mounted to Existing Concrete Pad



(1) New Cabinet Mounted to Existing Concrete Pad



New Equipment Cabinet & Battery Cabinet Mounted to Existing Concrete Pad



(9) New Signal Cables Routed Along The Existing Cable Path



(9) New Signal Cables Routed Along The Existing Cable Path



Alpha Sector: (3) New Antennas & (2) New RRHs Mounted To Modified Sector Frame



Beta Sector: (3) New Antennas & (2) New RRHs Mounted To Modified Sector Frame



Gamma Sector: (3) New Antennas & (2) New RRHs Mounted To Modified Sector Frame