



September 23, 2020

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06501

EM-T-MOBILE-141-190429

T-Mobile Site ID CT11160B

720 Thompson Road, Thompson, 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:

1. Prior to T-Mobile's antenna installation, the tower reinforcements shall be installed in accordance with the Structural Analysis Report prepared by Paul J. Ford and Company, dated February 10, 2019 and stamped and signed by Joseph Pachicarah Jacobs;
2. Prior to T-Mobile's antenna installation, the antenna mount modifications shall be installed in accordance with the Structural Mount Analysis Report, prepared by French and Parrella Associates, dated April 16, 2019 and stamped and signed by John B. Bosco;
3. Within 45 days following the completion of equipment installation, T-Mobile shall provide documentation certified by a Professional Engineer that its installation complied with the recommendations of the Structural Analysis Report and the Structural Mount Analysis Report;
4. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
5. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
6. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
7. 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;
8. The validity of this action shall expire one year from the date of this letter; and
9. 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 no less than 60 days prior to the expiration.

The attached PE Closeout Letter dated September 21, 2020 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 June 12, 2020.

Sincerely,

Victoria Masse

Victoria Masse
Zoning and Permitting
Northeast Site Solutions

Date: September 21, 2020

Christian Harrington
Crown Castle
870 Scottsville-Chili Road
Scottsville, NY 14546

Paul J Ford and Company
250 E. Broad Street, Suite 600
Columbus, OH 43215
614.221.6679

Subject: Post-Modification Inspection Desktop Review

Carrier Designation: T-Mobile Equipment Change-out
Carrier Site Number: CT11160B
Carrier Site Name: Thompson/I-395 X99_1

Crown Castle Designation: Crown Castle BU Number: 828402
Crown Castle Site Name: Thompson/ I-395 X99_1
Crown Castle JDE Job Number: 363294
Crown Castle Purchase Order Number: 1571919
Crown Castle Order Number: 330748 Rev. 15

Engineering Firm Designation: Paul J Ford and Company Project Number: A37520-2161.001.7101

Site Data: 720 Thompson Rd, Thompson, Windham County, CT 06277
Latitude 41.977706°, Longitude -71.846542°
156 Foot – Monopole Tower

Dear Christian Harrington,

Paul J. Ford and Company is pleased to submit this “Post-Modification Inspection Desktop Review” to confirm that the modifications have been completed in accordance with the Structural Design Drawings by Paul J. Ford & Company (37518-0348.002.7700, dated 07/25/2018). PJF did not visit the site and was not present during the construction, this PMI desktop review is based on information listed on the Post- Modification Inspection Report (TEP #:147731.201985, dated 07/11/2019).

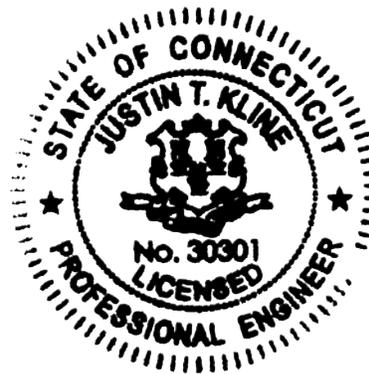
Based on our review and conclusions of the Post-Modification Inspection dated 07/11/2019, we have determined that the deviations in modification installation are acceptable. A summary of these modifications and deviations are attached at the end of this review for reference only.

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,



Steven Pozz, E.I.
Structural Designer
spozz@pauljford.com



D.S.

Purpose – to verify that the modification installation is in accordance with the issued Structural Design Drawings.

Antenna and equipment placement and Geometry Certification:

- Per the referenced PMI, the modifications on the tower are installed as depicted in the Structural Design Drawings.
- Per the referenced PMI, the modifications on the tower are NOT installed as depicted in the Structural Design Drawings, though these deviations ARE structurally acceptable.
- Per the referenced PMI, the modifications on the tower are NOT installed as depicted i in the Structural Design Drawings, these deviations ARE NOT structurally acceptable.

Table 2 – Modification Scope of Work

Item	Description (Deviations approved. See approvals within)	Reference
Base stiffener removal	No deviations from the original designs.	S-3
Removed existing spine and install new spine with new shaft extension from 144' to 156'	<p>Installed as designed except as noted below.</p> <p>The lightning rod at the top of the tower was bent.</p> <p>No port holes were present in the new extension at 150'.</p>	S-1 & S-6 to S-8
Install new anchor rods and brackets to the base	<p>Installed as designed except as noted below.</p> <p>The new anchor rods were embeded 78" instead of 132".</p> <p>Hilti RE500 was used instead of AF35LVE.</p>	S-3 & S-4
Install new transition stiffeners to the base	<p>Installed as designed except as noted below.</p> <p>The stiffeners were coped due to the slip joints starting at 9'10".</p> <p>The back corner of the stiffeners were chamfered to avoid interference with the port hole welds.</p>	S-3 & S-5
Install new shaft reinforcing from 6" to 130'-9"	<p>Installed as designed except as noted below.</p> <p>The shims from 0' to 9'10" were 7.5" wide while the reinforcement plates were 8.5" wide.</p> <p>The bolts on flats 4, 8, 9 at 54'8.5" were moved up or down due to the splice reinforcement.</p> <p>An 1/8" gap was typical between the flange jump bolted bracket and the existing monopole shaft.</p> <p>An extra 30mm hole was present on all flat plates at 90'7" on flats 1, 5, and 9.</p> <p>Multiple shims were typically stacked creating a shim greater than 1/4" which were not welded from 50' to 60'.</p> <p>A 42" long 5/8" fillet weld was used on the shaft reinforcement on flats 4, 8 and 12.</p>	S-1 & S-2
Install new safety climb and safety climb brackets 0' to 156'	<p>Installed as designed except as noted below.</p> <p>No safety climb was installed to the top of the extension.</p> <p>Tuff tugs and alternative methods of tie-off were already and installed.</p>	S-1 & N-1
Remove mount, equipment and feedlines at 120'	No deviations from the original designs.	S-1

Table 3 – Documents

Document(s)	Remarks	Source
Creator of Drawings: Paul J. Ford and Company Job #: 37518-0348.002.7700	EOR: Justin T. Kline, P.E. Date: August 28, 2018 Job #: 37518-0348.002.7700	CClisites Drawing File: 7744596

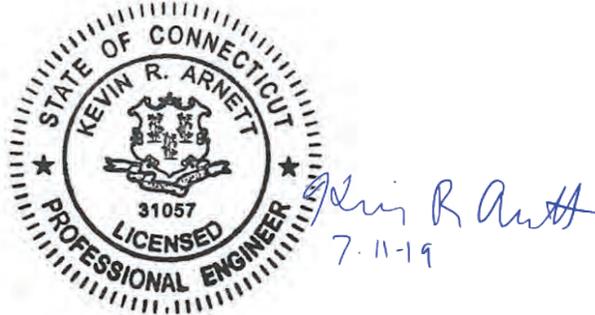
Based on our inspection, Tower Engineering Professionals determines this project:

PASSING MI

The configuration, materials and/or workmanship of the modifications are installed in accordance with the Contract Documents.

- No deviations from the original design or MI checklist were discovered.
- The as-built conditions vary from the original design drawings. Changes were approved.
- The EOR waived the requirement for the shop drawings.

Respectfully submitted,



Kevin R. Arnett, P.E., C.W.I.

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