

September 14, 2016

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

EM-T-MOBILE-115-151228
T-Mobile Site ID CT11122B
15 Kluge Road, Prospect 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. Reinforcements shall be made in accordance with the structural analysis report prepared by Crown Castle dated November 4, 2015 and stamped by Maribel Dentinger, and consistent with the modification drawings prepared by Crown Castle dated April 13, 2015 and stamped by Aaron C. Poot;
2. 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;
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 attached PE Closeout Letter dated September 13, 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 15, 2016.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

Statement of Special Inspections

Project: *CT11122B – N. BETHANY / DAVID KLUDGE
EM-T-MOBILE-115-151228*

Location: *15 Kluge Road, Prospect, CT 06712*

Owner: *Crown Castle*

Design Professional in Responsible Charge: *Jiang Yu, P.E.*

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

- Structural Mechanical/Electrical/Plumbing
 Architectural Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency: *N/A, Final Inspection Only*

or per attached schedule.

Prepared by:

Jiang Yu, P.E.
(type or print name)


Signature

9/13/16
Date



Owner's Authorization:

Building Official's Acceptance:

Signature

Date

Signature

Date

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|--|--|
| <input type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Wood Construction |
| <input type="checkbox"/> Precast Concrete | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry | <input type="checkbox"/> Mechanical & Electrical Systems |
| <input checked="" type="checkbox"/> Structural Steel | <input type="checkbox"/> Architectural Systems |
| <input type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Special Cases |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator	<i>Dewberry Engineers Inc. Jiang Yu, P.E.</i>	<i>600 Parsippany Road, Suite 301 Parsippany, NJ 07054 Phone: (973) 576-9631 E-mail: jjyu@dewberry.com</i>
2. Inspector	<i>Dewberry Engineers Inc.</i>	<i>600 Parsippany Road, Suite 301 Parsippany, NJ 07054 Phone: (973) 739-9400</i>
3. Inspector		
4. Testing Agency	<i>Materials Testing Inc.</i>	<i>55 Laura Street New Haven, CT 06512 Phone: (203) 468-5216 E-mail: materialstest@cs.com</i>
5. Testing Agency		
6. Other		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Quality Assurance Plan

Quality Assurance for Seismic Resistance

Seismic Design Category	<i>N/A</i>
Quality Assurance Plan Required (Y/N)	<i>N</i>

Description of seismic force resisting system and designated seismic systems:
Not required per section 1705 of 2003 IBC with 2005 CT supplement.

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)	<i>105 mph</i>
Wind Exposure Category	<i>N/A</i>
Quality Assurance Plan Required (Y/N)	<i>N</i>

Description of wind force resisting system and designated wind resisting components:
Not required per section 1705 of 2003 IBC with 2005 CT supplement.

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
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International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector
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Other

Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures <input checked="" type="checkbox"/> Fabricator Exempt		N/A
2. Material Certification		N/A
3. Open Web Steel Joists		N/A
4. Bolting	2 & 3 AWS/AISC- SSI ICC-SWSI	<i>Where applicable, review installation and tightening of bolts. Observe that bolts exposed to moisture are stainless steel or galvanized in conformance to ASTM-A123..</i>
5. Welding	2 & 3 AWS-CWI	<i>If applicable, visually review welds. Review size and length of fillet welds. If applicable, perform ultrasonic examinations on full-penetration groove welds.</i>
6. Shear Connectors		N/A
7. Structural Details	1 & 3 PE AWS/AISC- SSI ICC-SWSI	<i>Review steel mounting structures for compliance to the structural drawings, including bracing, member configuration, and connection details. Observe that structural members exposed to moisture are stainless steel or galvanized in conformance to ASTM-A123.</i>
8. Metal Deck		N/A
9. Other:		N/A

September 13, 2016

Town of Prospect Building Department
Town Hall
36 Center St.
Prospect, CT 06712

RE: T-Mobile installation on an existing tower at 15 Kluge Road, Prospect, CT

Dear Building Inspector,

Dewberry Engineers Inc. (Dewberry) was provided with photographic evidence from the contractor of the installed antennas and equipment during construction on March 14, 2016.

Based on information provided by the contractor, it is our professional opinion that the project was completed and constructed in conformance with the approved plans and specifications and is in compliance with the Connecticut State Building Codes. If you have any questions, please do not hesitate to contact Dewberry Engineers Inc.

Sincerely,

Dewberry Engineers Inc.

Jiang Yu, PE
Structural Engineer

