

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



May 2, 2016

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

**EM-T-MOBILE-083-140807**  
T-Mobile Site ID CTHA537A  
50 Fairchild Road, Middletown, Connecticut  
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:

- The tower shall be reinforced in accordance with the recommendations on page 3 of the structural analysis report prepared by FDH Engineering, dated June 10, 2014 and stamped by Bradley Newman;
- 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 April 27, 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 December 19 2014.

Sincerely,

*Sam Simons*

Samuel Simons, T-Mobile

# Final Report of Special Inspections

Project: *MetroPCS Modernization (Currently T-Mobile) – SBA Middletown Monopole (CTHA537A - Formerly MetroPCS)*

Building Permit: *20144878*

Exempt Mod. No. *EM-T-MOBILE-083-140807*

Location: *50 Fairchild Road  
Middletown, CT*

Owner: *T-Mobile Northeast, LLC*

Owner's Address: *35 Griffin Road South  
Bloomfield, CT 06002*

Engineer of Record: *Thomas E. Johnson (civil)  
ProTerra Design Group, LLC*

To the best of my information, knowledge and belief, no special inspections were required for this project. A general visual inspection from ground level of completed construction has been performed as noted in the attached field inspection report and all discovered discrepancies have been reported and resolved.

Based on my knowledge, information and belief the completed construction substantially conforms to the approved plans, Connecticut State Building Code, Structural Standards for Steel Antenna Towers and Antenna Supporting Systems (ANSI/TIA/EIA-222-F), the equipment manufacturer's installation guidelines, and the following:

1. Final Construction Drawings prepared by ProTerra Design Group, LLC revised through July 8, 2014.
2. Passing Structural Analysis prepared by FDH Velocitel dated June 10, 2014
3. Passing Structural Analysis prepared by Tower Engineering Solutions dated November 12, 2015.
4. Passing Modification Inspection Report prepared by Tower Engineering Solutions dated February 1, 2016.

All deviations from the approved plans do not endanger the intended occupancy of the facility and equipment substitutions are approved as equivalent to the original specifications. Construction has been satisfactorily completed.

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,  
ProTerra Design Group, LLC

*Thomas E. Johnson, P.E.*  
(Type or print name)

Signature

Date





**PREPARED BY:** ProTerra Design Group, LLC  
 4 Bay Road  
 Building A; Suite 200  
 Hadley, MA 01035  
 413-320-4918

**SUBMITTED TO:** Mr. Peter Nute  
 SBA Communications Corp.  
 134 Flanders Road  
 Suite 125  
 Westborough, MA 01581

FIELD INSPECTION REPORT	
<b>DATE</b> February 11, 2016	<b>JOB #</b> 15-001
<b>PROJECT</b> T-Mobile L700 Alteration ( <b>Building Permit #20144878</b> ) T-Mobile Site Name: SBA Middletown Monopole T-Mobile Site No.: CTHA537A 50 Fairchild Road Middletown, CT	
<b>CONTRACTOR</b> Northeast Towers	<b>OWNER</b> Current Owner: T-Mobile Northeast, LLC (Former MetroPCS Site)
<b>WEATHER</b> Cloudy, 40° F	<b>TIME</b> 3:00 PM
<b>PRESENT AT SITE</b> Victor Moreno	<b>ORGANIZATION</b> Contractor for ProTerra Design Group, LLC

Pursuant to the 2005 State building Code supplement to the IBC 2003 Section 109 *Inspections* the following is a report documenting the construction which has been completed to date at the above-mentioned site. The following report documents the visual inspection from ground level of completed construction for general conformance with **MetroPCS Modernization** construction drawings by ProTerra Design Group, LLC. T-Mobile has acquired the MetroPCS assets at this facility.

The following items have been completed:

- 1) Tower modifications have been completed (by others) as noted in Tower post modification report by Tower Engineering Solutions dated 2/1/2016 as required by the record structural analysis by Tower Engineering Solutions dated 11/12/2015.
- 2) Three existing panel antennas (one per sector) and chain mount have been removed from the monopole.
- 3) A Triple T-Arm Frame Assembly has been mounted to the monopole. It appears the face cross pipe has been skewed from perpendicular to the frame standoff arm to avoid safety climb cable. This is acceptable however the addition of future equipment may require cross pipe / standoff arm skew angle reconfiguration.
- 4) Six panel antennas (two per sector) have been secured to the replacement pipe mounts.
- 5) All six existing coaxial cables have been capped and wrapped at each end.
- 6) One hybrid cable has been run from the antenna level, through the monopole interior, and over existing ice bridges to the ground equipment area.
- 7) Existing Nortel 3231 cabinet has been removed.
- 8) A concrete pad has been placed within the existing equipment area.
- 9) A 6101 and 6201 cabinet within a Delta enclosure has been installed on the new concrete pad.

- 10) A Purcell cabinet not shown on the construction drawings has been secured to strut spanning ice bridge posts.
- 11) Existing ice bridges have been reconfigured to accommodate the new cabinets.
- 12) A 60 amp 2 pole breaker has been added to the PPC for the new 6201 cabinet.
- 13) A 20 amp single pole breaker has been added to the PPC for the Purcell cabinet not shown on the construction drawings.
- 14) Conduit has been run from the PPC to the new 6201 and Purcell cabinets. Conduit has been run from the new 6201 cabinet to the new 6101 cabinet.
- 15) It is assumed that the electrical work was completed by a licensed electrician and a permit has been pulled and signed off on by the authority having jurisdiction.
- 16) New components were connected to the existing ground system.
- 17) Site is clean.

The comments in this field report are a record of observations made on site. If there are any errors or omissions please notify ProTerra Design Group, LLC in writing or all comments and all parties shall consider this report factual and acceptable.

**COPIES TO:** File

**SUBMITTED:**

  
James Gruber, Project Engineer

**REVIEWED:**

  
Tom Johnson, P.E. Managing Partner





Typical sector showing new panel antennas on new sector frame



Capped and wrapped existing coaxial cables (circled), new hybrid cable, and Purcell cabinet



New 6201 cabinet within Delta enclosure (left) and 6101 cabinet (right) on concrete pad



PPC breaker panel with new 60 amp breaker for 6201 cabinet (bottom left) and 20 amp breaker for Purcell cabinet (lower right)

## Building Permit

### Middletown Building Department

Phone: (860) 638-4870 Fax: (860) 638-1970

<b>Permit Number</b>
20144878
<b>City Project?</b>
<input type="checkbox"/>

<b>Building Permit</b>	<b>Electric Permit</b>	<b>Plumbing Permit</b>	<b>HVAC Permit</b>	<b>Demolition Permit</b>	<b>Application Date</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10/01/2014
<b>Location of Proposed Work</b>			<b>Date of Approval</b>	<b>Building Official Approval</b>	
50 Fairchild Road			10-6-14	Dean Lisitano	
<b>Permit Description</b>					
Remove three (3) existing cell antennas & replace with six (6) newer technology cell antennas & assoc. equipment.					
<b>Permit Expiration</b>	<b>Contractor's License Number</b>	<b>Number of Dwelling Units</b>		<b>Sanitation Taxes OK?</b>	
	NorthEast Towers: MCO.0900747	0		<input type="checkbox"/>	
<b>Water Taxes OK?</b>	<b>Motor Vehicle Taxes OK?</b>	<b>Personal Property Taxes OK?</b>		<b>Real Estate Taxes OK?</b>	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
<b>Other Taxes OK?</b>	<b>Sewer Taxes OK?</b>	<b>Estimated Costs</b>		<b>Check Number</b>	
<input type="checkbox"/>	<input type="checkbox"/>	\$15,000.00		2083718	
<b>Chargeable Amount</b>	<b>Permit Fee</b>	<b>Total Fee</b>	<b>State Fee</b>	<b>City Fee</b>	<b>Payment Date</b>
\$15.00	\$214.90	\$3.90	\$3.75	\$0.15	10/01/2014
<b>Applicant Name</b>		<b>Applicant's Address</b>		<b>Applicant's City</b>	<b>State</b> <b>Zip</b>
Kri Pelletier/SBA Communications		33 Boston Post Road West, Suite 320		Marlboro	MA   01752-
<b>Applicant's Phone</b>	<b>Applicant's Fax</b>	<b>Applicant's Email</b>			
508-251-0720	203-251-1755	kpelletier@sbasiet.com			
<b>Owner Name</b>		<b>Owner's Address</b>		<b>City</b>	<b>State</b> <b>Zip</b>
SBA Infrastructure, LLC		33 Poston Post Road West, Suite 320		Marlboro	MA   01752-

**Department Approval Signatures for Certificate of Occupancy:** \_\_\_\_\_ **Date of Approval:** \_\_\_\_\_  
**Health Department:** \_\_\_\_\_ **Water & Sewer:** \_\_\_\_\_  
**Fire Marshal:** \_\_\_\_\_ **Assistant Building Official:** \_\_\_\_\_  
**Planning & Zoning:** \_\_\_\_\_ **Assistant Building Official:** \_\_\_\_\_  
**Chief Building Official:**

**Building Permit**  
**City of Middletown, CT**  
**Department of Public Works**  
**Building Division**  
**Phone: (860) 638-4870 Fax: (860) 638-1970**



*Date Receipt Printed:* Wednesday, October 01, 2014

*Received of:* Kri Pelletier/SBA Communications

*Permit Number:* 20144878

*Location of Proposed Work:* 50 Fairchild Road

*Permit Description:* Remove three (3) existing cell antennas & replace with six (6) newer technolog antennas & assoc. equipment.

*Permit Fee:* \$214.90

*Check Number:* 2083718

*Payment Date:* 10/1/2014 12:00:00 AM

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