



10 INDUSTRIAL AVENUE, SUITE 3
MAHWAH, NJ 07430

PHONE: 201.684.0055
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July 11, 2016

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: EMT-T-Mobile-151-150901
T-Mobile Site Id CT11392B
181 Garden Circle, Waterbury, CT
Notice of Construction Complete

Dear Attorney Bachman,

This office represents T-Mobile Northeast LLC ("T-Mobile") and has been retained to notify the Connecticut Siting Council ("Council") that the exempt modification decision conditions have been met and constructed in accordance with the documentation provided at the time of filing.

The Council acknowledged the above referenced T-Mobile notice of exempt modification on December 28, 2015.

The Council imposed the following condition in its acknowledgment:

- Within 45 days following completion of the equipment installation, T-Mobile shall provide documentation that its installation complied with the recommendations of the Structural Analysis Report.

The attached Statement of Special Inspections provides evidence of compliance with the conditions outlined by the Council.

Sincerely,

A handwritten signature in black ink that reads "Jamie Marchini". The signature is written in a cursive style with a large initial 'J'.

Jamie Marchini
Project Manager
Transcend Wireless LLC on behalf of T-Mobile
10 Industrial Ave, Suite 3
Mahwah, NJ 07430

Final Report of Special Inspections

Project: *T-Mobile 700MHz – Waterbury Hill St. (CT11392B)*
Electrical Permit No. *3459*
Exempt Mod. No. *EM-T-MOBILE-151-150901*
Site Address: *181 Garden Circle, Waterbury, CT*
Owner: *T-Mobile Northeast, LLC*
Owner's Address: *35 Griffin Road South
Bloomfield, CT 06002*
Engineer of Record: *Derek J. Creaser (civil)
Hudson 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 Hudson Design Group, LLC revised through September 4, 2015.
2. Passing Structural Analysis prepared by Velocitel, Inc dated August 6, 2015

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.

Respectfully submitted,
ProTerra Design Group, LLC

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

Signature

Date

7-8-16





PREPARED BY: ProTerra Design Group, LLC
 4 Bay Road
 Building A; Suite 200
 Hadley, MA 01035

SUBMITTED TO: Mr. Bryan Bakis, P.E.
 Design and A/E
 Implementation Manager
 SBA Communications Corp.
 134 Flanders Rd., Suite 125
 Westborough, MA 01581

FIELD INSPECTION REPORT – REV1		
<u>INSPECTION DATE</u> February 1, 2016		<u>JOB NO.</u> 15-001
<u>REPORT ISSUE DATE</u>	<u>REVISION</u>	<u>COMMENTS</u>
2/17/2016	0	Punch Items
7/8/2016	1	Acceptable contractor resolution – Final Report
<u>PROJECT</u>		
T-Mobile L700 Alteration (Permit # 3459 - Electrical)		
T-Mobile Site Name: WATERBURY/HILL STREET		
T-Mobile Site No.: CT11392B		
181 Garden Circle		
Waterbury, CT		
<u>CONTRACTOR</u>		<u>OWNER</u>
Site Wireless		T-Mobile Northeast, LLC
<u>WEATHER</u>		<u>TIME</u>
Clear, 40° F		10:00 AM
<u>PRESENT AT SITE</u>		<u>ORGANIZATION</u>
Victor Moreno		Contractor to ProTerra Design Group, LLC

The following report documents the visual inspection from ground level of completed construction for general conformance with **T-Mobile 700 Alteration** construction drawings prepared by Hudson Design Group, LLC, 1600 Osgood Street, Building 20 North, Suite 3090, North Andover, MA 01845 revised through September 4, 2015, sealed by Derek J. Creaser CT Reg. No. 28551.

- 1) Three existing TMAs (one per sector) have been removed.
- 2) Three existing panel antennas (one per sector) have been replaced with three new panel antennas (one per sector) on existing pipe mounts. The new antennas are approximately vertically centered on the sector frames.
- 3) Three RRUs have been installed on a new H-frame secured to the concrete pad at ground level.
- 4) New components were connected to the existing ground system.
- 5) Site is clean.

The following items required corrective action or further analysis. **An acceptable contractor resolution is denoted in bold green text below.**

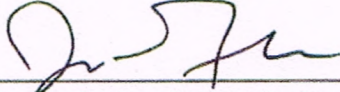
- 1) The three remaining TMAs (one per sector), three new TMAs (one per sector), and three new Smart Bias Ts (one per sector) have been mounted to the center pipe mount. The record tower structural analysis requires that these items be relocated behind the panel antennas as shown on the construction drawings. The TMAs and Smart Bias Ts shall be relocated behind the panel antennas.
TMAs have been relocated behind the panel antennas as per record structural analysis. This has been verified with antenna level photographs provided by contractor.

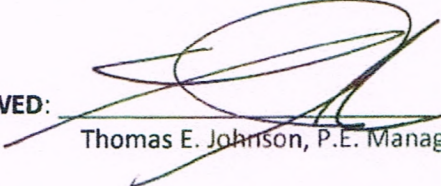
- 2) According to the construction drawings, the T-Mobile breaker panel is fed with a 200 amp service. The incoming conductors appeared to be insufficiently sized for 200 amp service and may be undersized for the current loads and there was not apparent disconnect. A licensed electrician shall verify the service and feeder size.
The contractor provided written correspondence via email that the service conductors have been upgraded by a licensed electrician and inspected by the AHJ, see attached final electrical permit No. 3459.

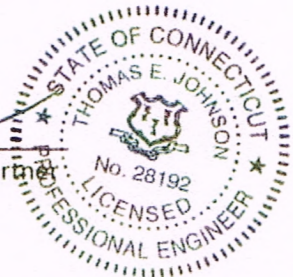
- 3) The existing 50 amp, 2 pole breaker for the 3106 cabinet has been replaced with a new 100 amp breaker within the existing panel. The construction drawings call for the 50 amp breaker for the 3106 cabinet to remain and for the existing 60A-2P pole breaker feeding the 6102 cabinet be replaced with an 80A-2P breaker. Existing conductors to the 3106 cabinet have been replaced with three #2 conductors and a ground.
The contractor upgraded the service to the incorrect cabinet and returned to the site and installed a 100A-2P breaker to feed the 6102 cabinet in lieu of the 80A-2P shown in construction drawings. The existing 60A-2P breaker was used to feed the 3106 cabinet. Breakers have been relabeled in the panel. The contractor provided written correspondence via email that the breakers have been installed by a licensed electrician, conductor verified, and inspected by the AHJ, see attached final electrical permit No. 3459.

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: 
Thomas E. Johnson, P.E. Managing Partner



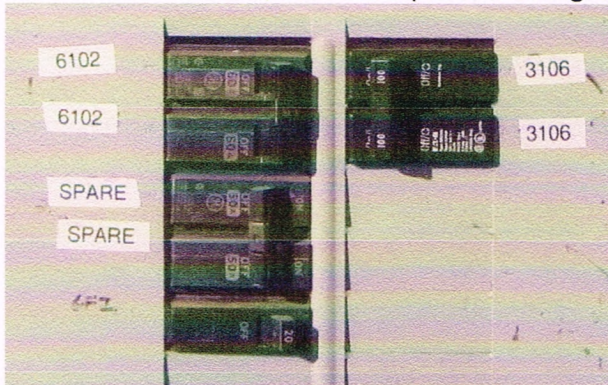


BEFORE - Photo, TMAs in center position

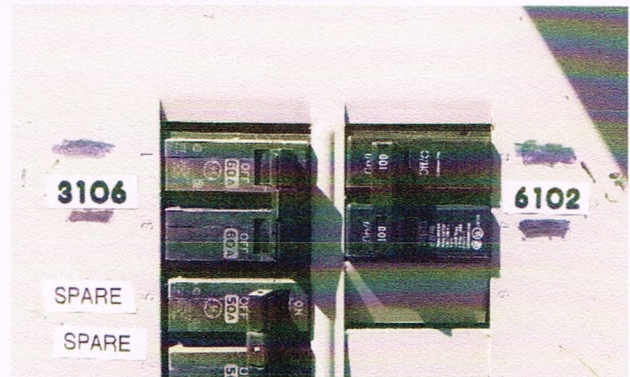


AFTER - TMAs Behind Antenna
Contractor Photo

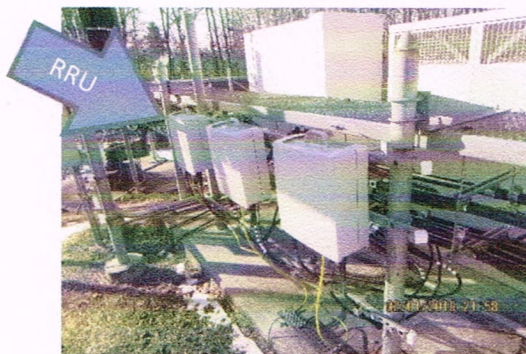
After, Contractor photo showing the relocation of TMAs and Smart Bias Ts



BEFORE - incorrect breakers to T-Mobile cabinets



AFTER - cabinets rewired breakers corrected
(Contractor Photo)



RRUs on H-frame



T-Mobile Equipment area

Inspection Report

Inspection Date: _____ Permit #: _____
 Address of Work: _____
 Owner's Name: _____ Contractor Information: _____
 Nearest Cross Street: _____ Fire Marshal Present? YES NO

Description of Building:

Residential Families Commercial Other

Building 203-574-6832		Plumbing 203-574-6855	
PERMIT TYPE:	INSPECTION:	PERMIT TYPE:	INSPECTION:
<input type="radio"/> Building	<input type="radio"/> Footing	<input type="radio"/> Plumbing	<input type="radio"/> Underground
<input type="radio"/> Demolition	<input type="radio"/> Rough Frame	<input type="radio"/> Sewer	<input type="radio"/> Rough
<input type="radio"/> Fence	<input type="radio"/> Backfill	<input type="radio"/> Sprinkler	<input type="radio"/> Final
<input type="radio"/> Foundation Only	<input type="radio"/> Insulation	<input type="radio"/> Drywell	<input type="radio"/> Gas Test
<input type="radio"/> Roof	<input type="radio"/> Drywall	<input type="radio"/> Septic	<input type="radio"/> Other
<input type="radio"/> Siding	<input type="radio"/> Final	<input type="radio"/> Storm/Sewer	
<input type="radio"/> Swimming Pool	<input type="radio"/> Other		
<input type="radio"/> Sign			

Inspection Results: PASS FAIL
 Approved with Condition: _____
 Reinspection Needed? YES NO
 COMMENTS: _____

Inspector's Signature: _____ Date: _____



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<input type="radio"/> Sign			

Inspection Results: PASS FAIL
 Approved with Condition: _____
 Reinspection Needed? YES NO
 COMMENTS: _____

Inspector's Signature: _____ Date: _____

