

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

October 25, 2016

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

**EM-T-MOBILE-091-150325**

T-Mobile Site ID CTF750A  
29 Bogus Hill Road, New Fairfield 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:

- Install coax and TMAs in accordance with the structural analysis report prepared by FDH Engineering, dated March 12, 2015 and stamped by Dennis Abel;
- Install antennas as noted on Hudson Design Group Site Plan A-2, dated February 26, 2015 and stamped by Daniel Hamm;
- 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 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 ~~expiration~~.

The attached PE Closeout Letter dated October 12, 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 August 5, 2015.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations

# Final Report of Special Inspections

Project: *T-Mobile 700MHz – CTFF750A*  
Building Permit: *M15-006*  
Exempt Mod. No. *EM-T-MOBILE-091-150325*  
Location: *29 Bogus Hill Road*  
*New Fairfield, CT 06812*  
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, North Andover, MA*

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.

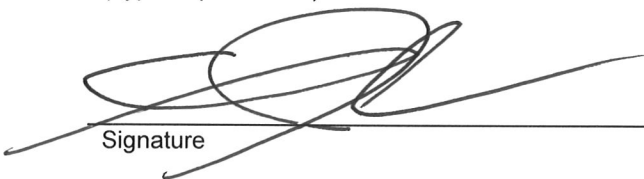
Based on my knowledge, information and belief the completed construction substantially conforms to the following with plan deviations as noted in the attached Field Inspection Report:

1. Final Construction Drawings prepared Hudson Design Group, LLC revised through July 20, 2016.
2. Passing Structural Analysis prepared by FDH Engineering, Inc. dated March 12, 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

*10/12/16*  
\_\_\_\_\_  
Date





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

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

FIELD INSPECTION REPORT		
<u>INSPECTION DATE</u> Septmeber 26, 2016		<u>JOB NO.</u> 15-001
<u>REPORT ISSUE DATE</u>	<u>REVISION</u>	<u>COMMENTS</u>
10/12/2016	0	Final
<u>PROJECT</u>		
T-Mobile L700 Alteration ( <b>Permit No.: M15-066</b> )		
T-Mobile Site Name: NEW FAIRFIELD		
T-Mobile Site No.: CTFF750A		
29 Bogus Hill Road		
New Fairfield, CT 06812		
<u>CONTRACTOR</u>		<u>OWNER</u>
D&A Construction Management		T-Mobile Northeast, LLC
<u>WEATHER</u>		<u>TIME</u>
Clear, 70° F		2:00 PM
<u>PRESENT AT SITE</u>		<u>ORGANIZATION</u>
Victor Moreno		Contractor of ProTerra Design Group, LLC

The following report documents a visual inspection from ground level of completed construction for general conformance with **T-Mobile L700 Alteration** construction drawings prepared by Hudson Design Group, LLC, 1600 Osgood Street, Building 20 North, Suite 3090, N. Andover, MA revised through July 20, 2016 REV1.

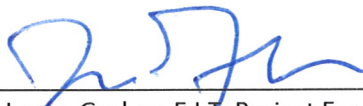
The following items have been completed:

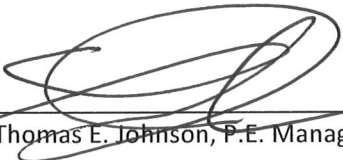
- 1) Three new L700 T-Mobile panel antennas (one per sector) have been secured to new antenna pipes supported by the existing platform frame.
- 2) Six additional 1-5/8" coax cables have been run from the ground level equipment area inside the monopole to the antenna level in general conformance with the tower Structural Analysis (by others).
- 3) One BBU (Battery Backup Cabinet) not shown on construction drawings was installed at the ground level equipment area on the existing concrete pad.
- 4) Two 6201 equipment cabinets not shown on construction drawings were installed at the ground level equipment area on the existing concrete pad.
- 5) The RRU H-Frame rack shown in construction drawings was not installed. It is assumed the RRUs were installed within a new 6201 cabinet as noted in the as-built RFDS diagram by D&A Construction Management dated 8/7/2015 provided by the tower owner.
- 6) It appears the proposed 80A-2P breaker was not installed to feed the existing S8000 cabinet as shown in the construction drawings.

- 7) It appears two new 60A-2P breakers, conductors, and conduits have been installed to feed the two new 6201 cabinets. It is assumed that electrical work was completed by a licensed electrician, conductors/ conduits have been sized accordingly, and a permit has been pulled and signed off on by the authority having jurisdiction as required.
- 8) Diplexers have been installed on a new steel strut H-frame between the existing ice bridge posts.

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, E.I.T. Project Engineer

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

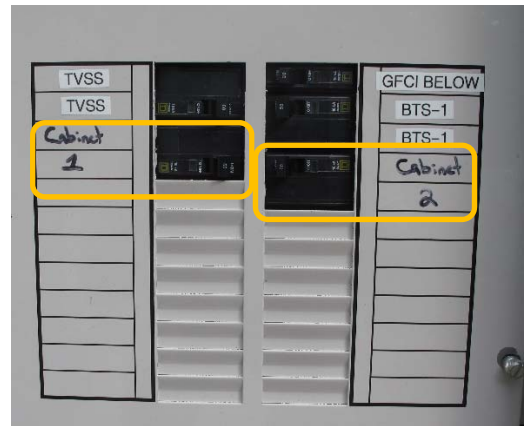




T-Mobile antenna sector



T-Mobile Equipment Area



Breaker Panel in PPC

# SITE NAME: NEW FAIRFIELD

29 BOGUS HILL ROAD  
NEW FAIRFIELD, CT 06812  
FAIRFIELD COUNTY

## SITE NUMBER: CTFF750A

T-MOBILE TECHNICIAN SITE SAFETY NOTES	
LOCATION	SPECIAL RESTRICTIONS
SECTOR A:	ACCESS NOT PERMITTED
SECTOR B:	ACCESS NOT PERMITTED
SECTOR C:	ACCESS NOT PERMITTED
GPS/LMU:	UNRESTRICTED
RADIO CABINETS:	UNRESTRICTED
PPC DISCONNECT:	UNRESTRICTED
MAIN CIRCUIT D/C:	UNRESTRICTED
NIU/T DEMARC:	UNRESTRICTED
OTHER/SPECIAL:	NONE

### GENERAL NOTES

THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF T-MOBILE. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.

THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.

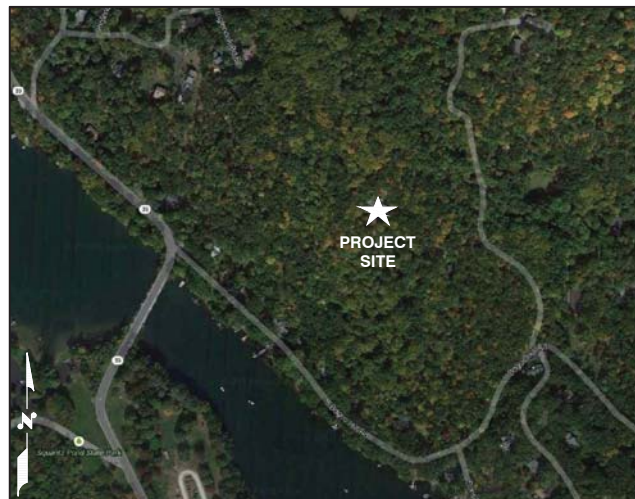
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE T-MOBILE NORTHEAST, LLC REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

### SPECIAL STRUCTURAL NOTES

TOWER OWNER SHALL PROVIDE GLOBAL STRUCTURAL STABILITY ANALYSIS OF EXISTING ANTENNA SUPPORT STRUCTURE. GENERAL CONTRACTOR SCOPE OF WORK SHALL INCLUDE ALL REQUIRED STRUCTURAL MODIFICATIONS, RE-BUNDLING OF COAXIAL CABLES OR OTHER SPECIAL MODIFICATIONS AS OUTLINED THEREIN.

STRUCTURAL DESIGNS AND DETAILS FOR ANTENNA MOUNTS COMPLETED BY HUDSON DESIGN ON BEHALF OF T-MOBILE ARE INCLUSIVE OF THE ENTIRE ANTENNA SUPPORT STRUCTURE (GLOBAL STRUCTURAL STABILITY ANALYSIS BY OTHERS), EXISTING TOWER PLATFORM, EXISTING ANTENNA MOUNTS AND ALL OTHER ASPECTS OF THE STRUCTURE THAT WILL SUPPORT THE T-MOBILE L700 EQUIPMENT DEPLOYMENT AS DEPICTED HEREIN.

HUDSON DESIGN ASSUMES THAT THE TOWER IS PROPERLY CONSTRUCTED AND MAINTAINED. ALL STRUCTURAL MEMBERS AND THEIR CONNECTION ARE ASSUMED TO BE IN GOOD CONDITION AND ARE FREE FROM DEFECTS WITH NO DETERIORATION TO ITS MEMBER CAPACITIES.



★  
PROJECT  
SITE

### PROJECT SUMMARY

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY T-MOBILE EQUIPMENT MODERNIZATION  
BASED ON INFORMATION PROVIDED BY T-MOBILE, THIS TELECOMMUNICATIONS EQUIPMENT DEPLOYMENT IS AN ELIGIBLE FACILITY UNDER THE TAX RELIEF ACT OF 2012, 47 USC 1455(A), AND IS SUBJECT TO AN EXPEDITED ELIGIBLE FACILITIES REQUEST/REVIEW AND ZONING PRE-EMPTION FOR LOCAL DISCRETIONARY PERMITS (VARIANCE, SPECIAL PERMIT, SITE PLAN REVIEW).

ZONING JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES

SITE ADDRESS: 29 BOGUS HILL ROAD  
NEW FAIRFIELD, CT 06812

LATITUDE: 41° 30' 42.60" N

LONGITUDE: 74° 32' 58.10" W

CURRENT USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: TELECOMMUNICATIONS FACILITY

TOWER OWNER: SBA TOWERS IV, LLC

SBA SITE ID: CT13061-A **DESIGN GUIDELINE: 704E**

SBA SITE NAME: NEW FAIRFIELD

SBA REGIONAL SITE MANAGER: STEPHEN ROTH  
PHONE: 860-539-4920  
sroth@sbasite.com

### APPROVALS

PROJECT MANAGER	DATE
CONSTRUCTION	DATE
RF ENGINEERING	DATE
ZONING / SITE ACQ.	DATE
OPERATIONS	DATE
TOWER OWNER	DATE



CALL  
BEFORE YOU DIG  
CALL TOLL FREE 800-922-4455  
OR CALL 811

UNDERGROUND SERVICE ALERT

### DRAWING INDEX

SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	1
GN-1	GENERAL NOTES	1
A-1	COMPOUND PLAN & ELEVATION	1
A-2	EXISTING & PROPOSED ANTENNA PLAN	1
A-3	DETAILS	1
G-1	GROUNDING DETAILS & NOTES	1

### T-MOBILE NORTHEAST LLC

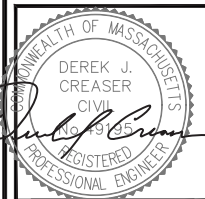
35 GRIFFIN ROAD SOUTH  
BLOOMFIELD, CT 06002  
OFFICE: (860) 448-1116



SBA COMMUNICATIONS CORP  
33 BOSTON POST ROAD WEST, SUITE 300 TEL: (508) 251-0720  
MARBOROUGH, MA 01522 FAX: (508) 251-1755



100 OSGOOD STREET  
BUILDING 20 NORTH, SUITE 3000 TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 536-5586



CHECKED BY: KB

APPROVED BY: DPH

### SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	01/20/16	CONSTRUCTION FINAL	RB
0	02/28/15	ISSUED FOR CONSTRUCTION	KMG

SITE NUMBER:  
CTFF750A  
SITE NAME:  
NEW FAIRFIELD  
SITE ADDRESS:  
29 BOGUS HILL ROAD  
NEW FAIRFIELD, CT 06812  
FAIRFIELD COUNTY

SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1



FDH Engineering, Inc., 6521 Meriden Drive Raleigh, NC 27616, Ph. 919.755.1012

**Structural Analysis for  
SBA Network Services, Inc.**

**149' Monopole Tower (150' AGL)**

**SBA Site Name: New Fairfield  
SBA Site ID: CT13061-A-03  
T-Mobile Site ID: CTFF750A  
Site Address: 29 Bogus Hill Road, New Fairfield, CT 06812-2801**

FDH Project Number 15BFZD1400

**Analysis Results**

Tower Components	87.1%	Sufficient
Foundation	98.1%	Sufficient

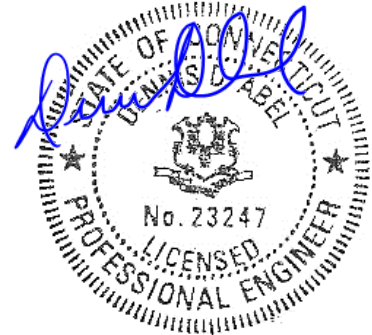
Prepared By:

Christopher Lee, EIT  
Project Engineer

Reviewed By:

Dennis D. Abel, PE  
Director of Structural Engineering  
CT PE License No. 23247

**FDH Engineering, Inc.**  
6521 Meriden Drive  
Raleigh, NC 27616  
(919) 755-1012  
info@fdh-inc.com



03-12-2015

March 12, 2015

*Prepared pursuant to TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures and 2005 Connecticut State Building Code*