

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

September 13, 2018

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

EM-T-MOBILE-009-170417
T-Mobile Site ID CT11110C
8 Chimney Drive, Bethel 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. The facility shall be reinforced in accordance with the Structural Analysis report prepared by CENTEK Engineering dated February 8, 2017, and stamped by Timothy Lynn;
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 presented in 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 July 10, 2018 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 April 5, 2018.

Sincerely,



Samuel Simons, Engineering Development - Connecticut

cc: Mark Richard, Engineering and Operations

July 10, 2018

Mr. Sheldon Freindle
Northeast Site Solutions
420 Main Street
Sturbridge, MA 01566

Re: Letter of Professional Opinion

Project: T-Mobile CT11110C Bethel
8 Chimney Drive
Bethel, CT

Owner: Eversource

Engineer: CENTEK Engineering, Inc,
63-2 North Branford Road, Branford, CT 06405

Contractor: McPhee Electric
505 Main Street, Farmington, CT 06032

Centek Project No.: 17008.25

Dear Mr. Freindle,

We are providing this "Letter of Professional Opinion" with regard to the structural components at the above referenced project.

The following are the basis for substantiating compliance with construction documents and Structural Analysis prepared by Centek Engineering, Inc. both dated 02/08/17 Rev. 01:

- ❑ Observation of excavation [refer to FVR dated 02/20/18].
- ❑ Observations of reinforcing steel [refer to FVR dated 02/27/18].
- ❑ Materials Testing, Inc. concrete placement and reinforcing steel inspection report labeled S-1000 [Enclosed for Record].
- ❑ Materials Testing, Inc. compression test report labeled S-101A [Enclosed for Record].
- ❑ Field observations of completed site [refer to FVR dated 07/09/18].

The work under this Contract has been reviewed and found, to the Engineer's best knowledge, information and belief, to be completed in general compliance with the documents prepared by this office and issued for construction on 02/08/17 revision 1.

Sincerely,



Carlo F. Centore, PE
Senior Project Manager



I N S P E C T I O N R E P O R T

DATE: February 20, 2018

TIME: 9:00 AM

PROJECT NAME: CT11110C Bethel, CT

TO: McPhee Electric
ATTN: Doug Barker

PHONE: 860.655.9438
EMAIL: dougb@mcpheeusa

PREPARED BY: Erik M. Armas

PHONE: 203.488.0580 ext. 144
EMAIL: earmas@centekeng.com

SUBMITTED BY: Carlo F. Centore

PHONE: 203.488.0580 ext. 122
EMAIL: cfcentore@centekeng.com

CEN TEK NO.: 17008.25

PROJECT STRUCURAL ENGINEER OF RECORD (SER): Centek Engineering, Inc.

CC:

The following was observed, discussed, reviewed and/or resolved at the site. Items which require action by the Contractor shall be identified within this report. Items shall remain on this ongoing report until resolved to the satisfaction of this office.

<p>Purpose of field visit was to confirm the excavation and pier preparation is in accordance with the below referenced drawings.</p> <ul style="list-style-type: none"> • Centek Engineering, Inc. Foundation Plan drawings dated 02/08/17 Rev. 01. • Structural Analysis dated 02/08/17 Rev. 01 		
<p>022018. 1</p>	<p>Half of the tower foundation was excavated down to the specified elevation, processed material was installed, and compacted to a stable state. No unsuitable material was observed after the excavation was complete.</p>	

022018. 2	See Note (022018.1).	
022018. 3	Exposed tower foundation was scarified per the above referenced documents.	
022018. 4	The contractor is authorized to start installing reinforcing steel for the first half of the concrete collar.	

I N S P E C T I O N R E P O R T

DATE: February 27, 2018

TIME: 9:00 AM

PROJECT NAME: CT11110C Bethel, CT

TO: McPhee Electric
ATTN: Doug Barker

PHONE: 860.655.9438
EMAIL: dougb@mcpheeusa

PREPARED BY: Erik M. Armas

PHONE: 203.488.0580 ext. 144
EMAIL: earmas@centekeng.com

SUBMITTED BY: Carlo F. Centore

PHONE: 203.488.0580 ext. 122
EMAIL: cfcentore@centekeng.com

CEN TEK NO.: 17008.25

PROJECT STRUCURAL ENGINEER OF RECORD (SER): Centek Engineering, Inc.

CC:

The following was observed, discussed, reviewed and/or resolved at the site. Items which require action by the Contractor shall be identified within this report. Items shall remain on this ongoing report until resolved to the satisfaction of this office.

<p>Purpose of field visit was to confirm the second half of the collar reinforcing steel is in accordance with the below referenced drawings.</p> <ul style="list-style-type: none"> • Centek Engineering, Inc. Foundation Plan drawings dated 02/08/17 Rev. 01. • Structural Analysis dated 02/08/17 Rev. 01 	
<p>022718. 1</p>	<p>All reinforcing steel installed is in accordance with the above referenced drawings.</p>
	

<p>022718. 2</p>	<p>The Third Party inspection lab (Materials Testing, Inc.) is to conduct a reinforcing steel inspection of the remaining reinforcing steel inspection prior to the placement of concrete.</p>	 A photograph showing a grid of reinforcing steel bars laid out on a prepared concrete slab. The bars are arranged in a rectangular pattern. In the background, there is a concrete wall and some trees.
<p>022718. 3</p>	<p>See Note (022718.2).</p>	 A photograph showing a grid of reinforcing steel bars laid out on a prepared concrete slab. The bars are arranged in a rectangular pattern. In the background, there is a concrete wall, some construction materials, and trees.

<p>022718. 4</p>	<p>See Note (022718.2).</p>	
<p>022718. 5</p>	<p>See Note (022718.2).</p>	
<p>022718. 6</p>	<p>The Contractor is instructed to continue installing reinforcing steel. It is to be inspected on 02/28/18 prior to the placement of the concrete. Inspection of the reinforcing steel and the concrete placed for the first half of the proposed concrete collar was not inspected by Centek Engineering or Materials Testing, Inc.</p>	

I N S P E C T I O N R E P O R T

DATE: July 9, 2018

TIME: 9:00 AM

PROJECT NAME: CT11110C Bethel, CT

TO: McPhee Electric
ATTN: Doug Barker

PHONE: 860.655.9438
EMAIL: dougb@mcpheeusa

PREPARED BY: Erik M. Armas

PHONE: 203.488.0580 ext. 144
EMAIL: earmas@centekeng.com

SUBMITTED BY: Carlo F. Centore

PHONE: 203.488.0580 ext. 122
EMAIL: cfcentore@centekeng.com

CEN TEK NO.: 17008.25

PROJECT STRUCURAL ENGINEER OF RECORD (SER): Centek Engineering, Inc.

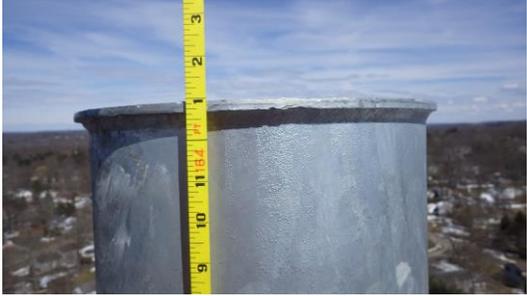
CC:

The following was observed, discussed, reviewed and/or resolved at the site. Items which require action by the Contractor shall be identified within this report. Items shall remain on this ongoing report until resolved to the satisfaction of this office.

Purpose of field visit was to confirm compliance eith the above listed documents

- Centek Engineering, Inc. Foundation Plan drawings dated 02/08/17 Rev. 01.
- Structural Analysis dated 02/08/17 Rev. 01

<p>070918. 1</p>	<p>Antennas, RF equipment, and all related apurtences were observed as complete and per the above listed documents (photos provided by the client prior to the date listed on this report).</p>	
<p>070918. 2</p>	<p>See Note (070918.1).</p>	
<p>070918. 3</p>	<p>See Note (070918.1).</p>	

070918. 4	See Note (070918.1).	
070918. 5	Installation of the tower, antennas, and foundation extension confirmed as complete.	



MATERIALS TESTING, INC.

55 LAURA STREET • NEW HAVEN, CONNECTICUT 06512 • (203)468-5216
42 BOSTON POST ROAD • WILLIMANTIC, CONNECTICUT 06226 • (860)423-1972
materialstestinginc.com

DATE: 02-28-18

REPORT NO: S-1000

CLIENT: Centek Engineering, Inc.
63-2 North Branford Road
Branford, CT 06405
Attn: Erik Armas

AMBIENT TEMP: 45-55°F

WEATHER: Clear

PROJECT: Job #17008.25
Bethel, CT

SUBJECT: CONCRETE PLACEMENT INSPECTION

Concrete placement locations: Footing for tower expansion pad.

Total concrete yardage this date: 40 cubic yards @ 3500 PSI.

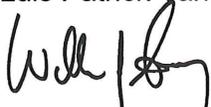
All reinforcing steel was properly placed in accordance with drawings:

S3, S4, dated 02-08-17

Cylinders, slump and air content were performed and are as reported on Compression Test Result Sheet. Tests were performed in accordance with ASTM C173, C231, C1064, C31, C172 and C143, as applicable. This report will follow when compression strength test results are known.

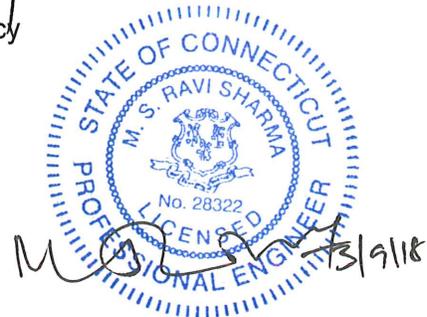
Remarks: Internal vibrator used for consolidation. Concrete placed by chute. *Mix design not unavailable onsite.

Materials Testing, Inc. Inspector,
Luis Patrick Tanovici


William J. Soucy

1cc: Client

lgs





MATERIALS TESTING, INC.

55 LAURA STREET • NEW HAVEN, CONNECTICUT 06512 • (203)468-5216
42 BOSTON POST ROAD • WILLIMANTIC, CONNECTICUT 06226 • (860)423-1972

materialstestinginc.com

COMPRESSION TEST CYLINDERS - ASTM C39

CLIENT: Centek Engineering, Inc. S-100A
 63-2 North Branford Road
 Branford, CT 06405
 Attn: Erik Armas

PROJECT: Job #17008.25
 Bethel, CT

LOCATION: Tower expansion pad (footings).

CONCRETE SUPPLIER: Segal Concrete

DATE CAST: 02-28-18 **DATE RECEIVED:** 03-05-18

TEMPERATURE-AMBIENT: 52°F **TEMP-CONCRETE:** 63°F

SLUMP: 5" **AIR CONTENT:** 7.5%

TRUCK NO.: 507 **SAMPLING TIME:** 10:15 a.m.

CYLINDERS CAST BY: Materials Testing Client Contractor

REQUIRED STRENGTH - PSI: **STRENGTH DELIVERED PSI:** 3500

BATCH TICKET: 186017 **MIX DESIGN:** 3575

INITIAL CURING METHOD: Plastic Caps **INITIAL CURING TEMP, °F:**

UNIT WEIGHT, PCF: **FINAL CURING METHOD:** Moist Room

CYLINDER NOS.	AGE DAYS	AVE DIA., IN	CROSS SECTIONAL AREA, IN ²	CYL. WTS.	DATE TESTED	LOAD-LBS.	COMPRESSIVE STRENGTH - PSI	BREAK TYPE
S-59630	7	4.00	12.56	8.58	03-08-18	36,410	2900	2
S-59631	28	4.01	12.62	8.47	03-28-18	51,340	4070	5
S-59632	28	4.02	12.69	8.49	03-28-18	53,440	4210	2
S-59633	28	4.02	12.69	8.51	03-28-18	50,370	3970	2
S-59634	Spare			8.54	Spare			

Materials Testing, Inc.


 William J. Soucy



1cc: Client

SW