



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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January 22, 2016

Julie D. Kohler, Esq.

Cohen and Wolfe, P.C.

1115 Broad Street

Bridgeport, CT 06604

RE: **PE1133-TMOB-20151215** – T-Mobile Northeast, LLC sub-petition for a declaratory ruling for approval of an eligible facility request for modifications to an existing telecommunications facility located at 46 Brendan Street, Stafford, Connecticut.

Dear Attorney Kohler:

The Connecticut Siting Council (Council) hereby approves your Eligible Facilities Request (EFR) to install antennas and associated equipment at the above-referenced facility pursuant to the Federal Communications Commission Wireless Infrastructure Report and Order, with the following conditions:

1. Reinforcements shall be made consistent and in accordance with the structural analysis report prepared by Paul J. Ford and Company dated October 23, 2015 (page 6 revised on January 22, 2016) and stamped by Justin Kline;
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. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
4. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;
5. The validity of this action shall expire one year from the date of this letter; and
6. The Petitioner 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.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the EFR dated December 14, 2015 and the revised structural analysis report (page 6-section 4.1) submitted on January 22, 2016.

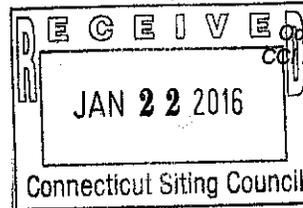
Thank you for your attention and cooperation.

Very truly yours,

Melanie Bachman

Acting Executive Director

c: Anthony Frassinelli, First Selectman, Town of Stafford
Dennis C. Milanovich, Building Official, Town of Stafford



4) ANALYSIS RESULTS

Table 5 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	129 - 115.5	Pole	TP16x16x0.375	1	-1.79	515.29	14.1	Pass
L2	115.5 - 115	Pole	TP17.81x16x0.375	2	-1.79	515.29	14.1	Pass
L3	115 - 92.0833	Pole	TP23.0822x17.81x0.2188	3	-7.37	837.41	77.2	Pass
L4	92.0833 - 73.75	Pole	TP27.3x23.0822x0.399	4	-11.55	1275.48	87.9	Pass
L5	73.75 - 71.5	Pole	TP27.3778x25.5242x0.4884	5	-13.19	1622.05	83.3	Pass
L6	71.5 - 56.5	Pole	TP30.8233x27.3778x0.5177	6	-16.41	2128.96	83.3	Pass
L7	56.5 - 36.75	Pole	TP35.36x30.8233x0.4947	7	-19.67	2266.79	94.0	Pass
L8	36.75 - 22	Pole	TP38.1343x33.1647x0.5988	8	-26.20	3098.45	85.0	Pass
L9	22 - 20.5	Pole	TP38.4797x38.1343x0.5965	9	-26.64	3107.42	85.7	Pass
L10	20.5 - 19.0833	Pole	TP38.8059x38.4797x0.5943	10	-27.07	3123.63	86.2	Pass
L11	19.0833 - 18	Pole	TP39.0553x38.8059x0.517	11	-27.37	3047.94	88.7	Pass
L12	18 - 4	Pole	TP42.279x39.0553x0.6525	12	-32.08	3604.58	83.3	Pass
L13	4 - 3	Pole	TP42.5092x42.279x0.737	13	-32.47	4193.23	72.4	Pass
L14	3 - 0	Pole	TP43.2x42.5092x0.7883	14	-33.70	5001.80	62.0	Pass
							Summary	
						Pole (L7)	94.0	Pass
						Rating =	94.0	Pass

Table 6 - Tower Component Stresses vs. Capacity – LC4.7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1, 2	Anchor Rods	0	83.1	Pass
1	Base Plate	0	49.0	Pass
1	Base Foundation Structural Steel	0	82.8	Pass
1	Base Foundation Soil Interaction	0	34.0	Pass

Structure Rating (max from all components) =	94%
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Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) Worst case scenario between existing and post installed anchors.

4.1) Recommendations

The monopole and its foundation will have sufficient capacity to carry the existing, reserved, and proposed loads once the proposed modifications are installed.

- Install the proposed modifications per the referenced modification drawings (document # 5664687 dated 5/4/2015 and PE stamped 8/4/2015).