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June 2, 2016

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

T-Mobile Northeast LLC- CT11606H
Tower Share Application
48 Ritch Avenue West, Greenwich, CT 06830
Latitude- 41.00506389
Longitude- -73.6481112

Dear Ms. Bachman,

This letter and attachments are submitted on behalf of T-Mobile Northeast LLC (“T-Mobile”). T-Mobile plans to install antennas and related equipment at the American Tower monopine site located at 48 Ritch Avenue West in Greenwich, Connecticut.

T-Mobile will install nine (9) 700/1900/2100 MHz antennas and six (6) RRH’s at the 77’ level of the existing 78’ monopine. Two (2) hybrid cables will also be installed inside of the monopine. T-Mobile’s equipment cabinets will be placed on a concrete pad within an 11’8” X 14’ lease area within the existing fenced equipment compound. Included are plans prepared by Hudson Design Group dated May 12, 2016, depicting the planned changes and attached as Exhibit A. Also included is a structural analysis prepared by A.T. Engineering Service, PLLC dated May 7, 2016, confirming that the existing monopine is structurally capable of supporting T-Mobile’s equipment. This is attached as Exhibit B. The analysis was run with only one (1) proposed T-Mobile hybrid cable, however, it was confirmed by A.T. Engineering Service, PLLC that the analysis still passes with the additional hybrid cable. A confirmation email from American Tower is included with Exhibit B.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of T-Mobile’s intent to share a telecommunications facility pursuant to R.C.S.A 16-50j-88. In accordance with R.C.S.A., a copy of this letter is being sent to First Selectman of the Town of Greenwich, Peter Tesei, the property owner, 36 Ritch Avenue, LLC, and the tower owner, American Tower. Please see the letter from American Tower authorizing the proposed shared use of the facility attached as Exhibit C.

The planned modification to the facility fall squarely within those activities explicitly provided for in R.C.S.A. 16-50j-89.

1. The proposed modifications will not result in an increase in the height of the existing structure. The top of the monopine is approximately 78’; T-Mobile’s proposed antennas will be located at a center line height of 77’.

2. The proposed modifications will not require the extension of the site boundary as depicted on the attached site plan. T-Mobile's equipment will be located entirely within the existing compound area.
3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria. The incremental effect of the proposed changes will be negligible.
4. The operation of the proposed antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard. As indicated in the attached power density calculations, the combined site operations will result in a total power density of 46.13%. The power density calculations are attached as Exhibit D.
5. The proposed equipment will not cause a change or alteration in the physical or environmental characteristics of the site. Please see the Programmatic Agreement Letter from American Tower dated April 28, 2016, attached as Exhibit E.

Connecticut General Statutes 16-50aa indicates that the Council must approve the shared use of a telecommunications facility provided it finds the shared use is technically, legally, environmentally, and economically feasible and meets public safety concerns. As demonstrated in this letter, T-Mobile respectfully submits that the shared use of this facility satisfies these criteria.

- A. Technical Feasibility. The existing monopine has been deemed to be structurally capable of supporting T-Mobile's proposed loading. The structural analysis is included as Exhibit B.
- B. Legal Feasibility. As referenced above, C.G.S. 16-50aa has been authorized to issue orders approving the shared use of an existing tower such as this monopine in Greenwich. Under the authority granted to the Council, an order of the Council approving the requested shared use would permit T-Mobile to obtain a building permit for the proposed installation. Further, a Letter of Authorization from the owner is included as Exhibit C, authorizing T-Mobile to file this application for shared use.
- C. Environmental Feasibility. The proposed shared use of this facility would have a minimal environmental effect. The installation of T-Mobile's equipment at the 77' level of the existing 78' monopine would have an insignificant visual impact on the area around the tower. T-Mobile's ground equipment would be installed within the existing facility compound. T-Mobile's shared use would therefore not cause any significant alteration in the physical or environmental characteristics of the existing site. Additionally, as evidenced by Exhibit D, the proposed antennas will not increase radio frequency emissions to a level at or above the Federal Communications Commission safety standard.
- D. Economic Feasibility. T-Mobile will be entering an agreement with the owner of this facility to mutually agreeable terms. As previously mentioned, the Letter of Authorization has been provided by the owner to assist T-Mobile with this tower sharing application.
- E. Public Safety Concerns. As discussed above, the monopine is structurally capable of supporting T-Mobile's proposed loading. T-Mobile is not aware of any public safety concerns relative to the proposed sharing of the existing monopine. T-Mobile's intentions of providing new and improved wireless service through the shared use of this facility is expected to enhance the safety and welfare of local residents and individuals traveling through Greenwich.

Sincerely,

Kyle Richers

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cc: Peter Tesei, First Selectman, Town of Greenwich
36 Ritch Avenue, LLC- property owner
American Tower- tower owner