



100 GROVE ST. | WORCESTER, MA 01605

April 16, 2024

Sterling Planning Board  
Butterick Municipal Building  
1 Park Street, Room 202  
Sterling, MA 01564

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**Subject: Wireless Telecommunications Facility  
56 Kendall Hill Road  
Site Plan Review**

Dear Planning Board Members:

We received the following documents on March 20, 2024 via e-mail:

- Plans entitled Sterling 4 MA, 56 Kendall Hill Road, Sterling, MA 01564, Project type: New Raw Land Wireless Telecommunications Installation with 125' Monopole dated December 5, 2022, prepared by Chappell Engineering Associates, LLC for Cellco Partnership (dba Verizon Wireless). (9 sheets)
- Town of Sterling – Site Plan Review Application for property at 56 Kendall Hill Road dated March 20, 2024 with attached Statement in Support of Site Plan Review.
- Document entitled Special Permit Decision dated July 17, 2023, issued by the Town of Sterling Board of Appeals for property at 56 Kendall Hill Road; Cellco Partnership dba Verizon Wireless, petitioner.

Graves Engineering, Inc. (GEI) has been requested to review the site plan and comment on the documents' conformance with applicable sections of the Town of Sterling Protective By-Laws last amended by the June 14, 2021 annual town meeting, the MassDEP Stormwater Handbook and standard engineering practices. As part of this review, GEI visited the site on April 2, 2024.

**Our comments follow:**

#### **Town of Sterling Chapter 301 - Protective Bylaw**

1. GEI has no issues relative to compliance with §301-4.8 – Wireless Communications Facilities (WCF) Overlay District nor §301-6.4 – Site Plan Review.

#### **Hydrology & Stormwater Management**

2. The proposed project is a commercial facility and as such must comply with the MassDEP Stormwater Standards and Stormwater Handbook. Documentation needs to be submitted to demonstrate construction-phase and long-term operation compliance with the Standards and the Handbook.
3. In addressing the MassDEP Stormwater Standards and to minimize the potential for long-term erosion caused by concentrated runoff, the design engineer should refrain from directing stormwater from the new driveway to the intersection of the new driveway and the existing driveway. This intersection already receives stormwater runoff from the existing driveway.

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The design engineer should strive to discharge runoff from the new driveway at multiple locations and may wish to consider the use of rain gardens or similar BMP's.

**General Engineering Comments**

4. There is an existing roadside swale upgradient of the intersection of the existing driveway and the new driveway. The swale is approximately one foot deep and three feet wide where it is located under the under the electric transmission wires. A culvert of similar hydraulic capacity to the swale needs to be provided under the new driveway.
5. A construction detail for the gravel driveway showing the proposed driveway width, gravel specification and gravel thickness should be added to the site plans.

**General Comments**

6. GEI did not review information pertaining to the wireless communications equipment or structures. Such a review is beyond the scope of this site plan review.

We trust this letter addresses your review requirements. Feel free to contact this office if you have any questions or comments.

Sincerely,  
**Graves Engineering, Inc.**



Jeffrey M. Walsh, P.E.  
Principal

cc: Michael Giaimo, Esq.; Robinson & Cole, LLP  
David Tivnan; Verizon Wireless