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July 13, 2026

Hingham Planning Board
210 Central Street
Hingham, MA 02043

Subject: **709 Main Street, Site Plan**

Dear Planning Board Members:

This is to advise that we have reviewed the following documents pertaining to the proposed improvements at the subject site:

- Site Plan (2 sheets), dated June 15, 2026, prepared by KBM Design Group (KBM)
- Architectural drawings New Pool House with ADU Above (13 sheets) dated June 9, 2025, prepared by JCBT Architect, LLC
- Architectural drawings Existing Multi Family Alteration & Addition (33 sheets) dated June 9, 2025, prepared by JCBT Architect, LLC
- Proposed Underground Electrical and Communications Plan, Dated July 5, 2026
- Stormwater Management Report, dated June 15, 2026, prepared by KBM
- Minor Site Plan Review Application with attachments, dated June 22, 2026, prepared by Ahearn Construction Management, LLC
- Email comments from Ms. Wentworth to the Applicant's team

The purpose of our review has been to evaluate conformance with Hingham Zoning By-Laws (ZBL), MassDEP Stormwater Management Standards (SMS) and good engineering practice. We note that we also witnessed test holes and percolation testing on this property in January 2025 for the Board of Health.

Background

The ±32,214 square foot (s.f.) lot, at 709 Main Street, is located within the Residence B zoning district, the South Hingham National Register Historic District, the Groundwater Protection Overlay District and Zone II of a public well. The site is developed with a three-family dwelling, a detached garage, a shed, paved driveway, hardscaping and landscaping. The existing driveway access to the property is from Mill Lane.

The proposal calls for demolition of the garage and portions of the existing dwelling, additions onto the existing dwelling including an attached garage, an inground pool, a pool house with an accessory dwelling unit (ADU) above, hardscaping and landscaping. The proposed driveway would be constructed of pervious pavers. Runoff from the proposed driveway, a portion of the roof of the additions and the roof of the pool house/ADU would be discharged into a subsurface infiltration system consisting of plastic chambers surrounded by crushed stone. The proposed addition and ADU will be connected to the existing onsite septic system. Proposed

electric and communication utilities would be underground from an existing utility pole off Mill Lane. A straw wattle is proposed as a perimeter erosion control barrier around the limit of work. One spruce tree is proposed to be removed, but it is not located in the Tree Yard.

Comments

1. The HydroCAD model indicates that post development runoff will not exceed existing conditions.
2. A detail of the pervious paver driveway should be included on the plans.
3. We recommend that the proposed inspection ports on the subsurface infiltration system be a minimum of six-inch diameter to allow for easier inspection and maintenance. We also recommend an inspection port on each chamber with an inlet/outlet pipe.
4. The detail for the subsurface infiltration system specifies filter fabric on the sides and top of the crushed stone bed and leaves the requirement for filter fabric beneath the crushed stone to the design engineer's preference. We do not recommend filter fabric beneath the crushed stone as this could lead to failure of the system if the system is not properly maintained and sediment reaches the bottom filter fabric.
5. The grate/rim elevation of the proposed trench drain is listed as 69.5 in the Drainage Schedule but specified to be 68.5 in plan. Based on the detail, the invert out of the trench drain should be about 15.5-inches below the grate/rim elevation and, at El. 66.25, it is 39 inches below the grate/rim in the Drainage Schedule.
6. A stabilized construction entrance should be shown and specified/detailed on the plan.
7. The Long Term Operations & Maintenance Plan does not appear to be for this project as it includes references to a water quality unit and concrete galleys, which are not proposed; and it does not include the trench drain.

Please give us a call should you have any questions.

Very truly yours,

PGB Engineering, LLC

By:

PGB

Patrick G. Brennan, P.E.