

CITY OF NEWTON  
Department of Public Works  
ENGINEERING DIVISION

MEMORANDUM

To: Alderman Mark Laredo, Land Use Committee Chairman

From: John Daghlian, Associate City Engineer

Re: Special Permit – 39 Hawthorne Avenue

Date: June 9, 2016

CC: Lou Taverna, PE City Engineer  
Nadia Khan, Committee Clerk  
Alexandria Ananth, Chief Planner  
Michael Gleba, Sr. Planner

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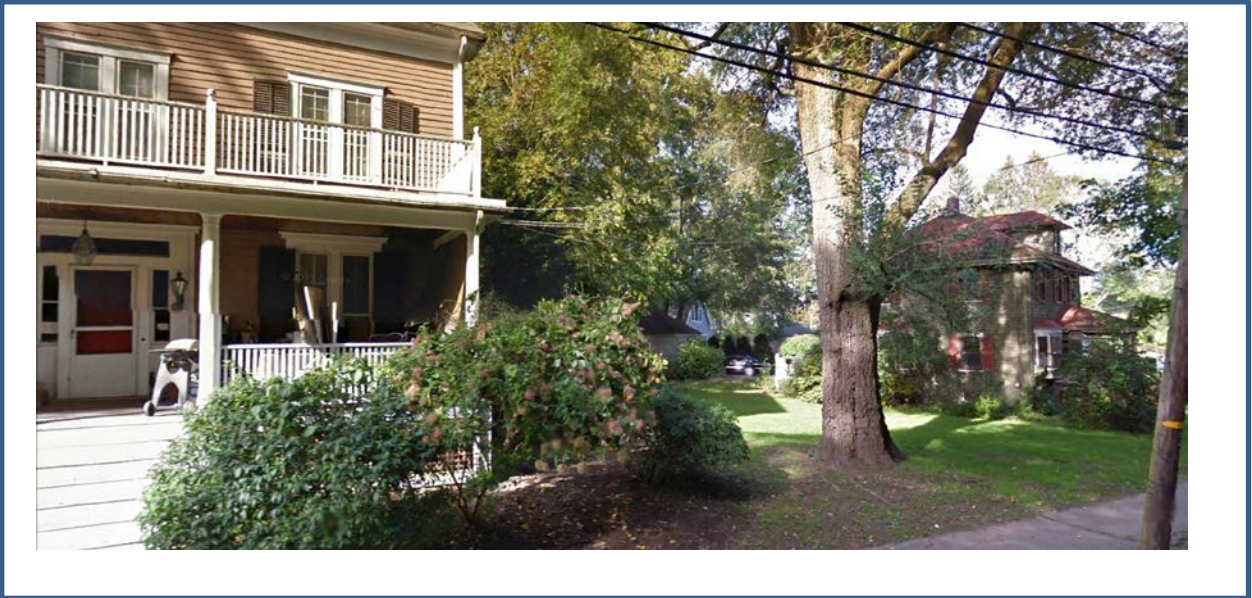
In reference to the above site, I have the following comments for a plan entitled:

*39 Hawthorne Avenue  
Newton, MA  
Prepared by: PJF & Associates  
Dated: May 1, 2016*

*Executive Summary:*

This application entails the a proposed garage and new driveway on a 9,602 square foot lot. Since the total Impervious surfaces being added triggers on site collection of stormwater runoff, the engineer of record has designed an on-site infiltration system, however no drainage calculation were provided for evaluation. On site soil testing is required to

The site has a slight change in grade of approximately 8-feet in the vicinity of the proposed garage and driveway. The foundation of the garage will act as a retaining wall and foundation of the garage. A 40" deciduous tree is located near the southeast corner of the lot near the proposed driveway which is not shown of the site plan but should be indicated on the final plans as the driveway location and conflict with the tree. As a public benefit in concert with the driveway apron construction the sidewalks should be updated to match the two abutting sidewalks' on both sides of this property.





Drainage:

1. A drainage analysis needs to be performed based on the City of Newton's 100-year storm event of 6-inches over a 24-hour period. All runoff from impervious areas need to be infiltrated on site, for the project. The design of the proposed on site drainage system needs to comply with the MassDEP Stormwater Regulations and City Ordinances.
2. An on-site soil evaluation needs to be performed to obtain the seasonal high groundwater elevation, percolation rate in accordance to Title V. This information must be submitted with the drainage study. The locations of these tests need to be shown on the site plan and must be performed within 25-feet of a proposed system.
3. An Operations and Maintenance (O&M) plan for Stormwater Management Facilities needs to drafted and submitted for review. Once approved the O&M must be adopted by applicant, incorporated into the deeds; and recorded at the Middlesex Registry of Deeds. A copy of the recording instrument shall be submitted to the Engineering Division.

4. It is imperative to note that the ownership, operation, and maintenance of the proposed drainage system and all appurtenances including but not limited to the drywells, catch basins, and pipes are the sole responsibility of the property owner(s).

General:

1. All trench excavation contractors shall comply with Massachusetts General Laws Chapter 82A, Trench Excavation Safety Requirements, to protect the general public from unauthorized access to unattended trenches. Trench Excavation Permit required. This applies to all trenches on public and private property. *This note shall be incorporated onto the plans*
2. All tree removal shall comply with the City's Tree Ordinance.
3. The contractor is responsible for contacting the Engineering Division and scheduling an appointment 48 hours prior to the date when the utilities will be made available for an inspection of drainage system installation. The system shall be fully exposed for the inspector to view; backfilling shall only take place when the City's Inspector has given their approval. *This note should be incorporated onto the plans*
4. The applicant will have to apply for a Building Permits with the Department of Inspectional Service prior to any construction.
5. Prior to Occupancy Permit being issued, an As-Built Plan shall be submitted to the Engineering Division in both digital format and in hard copy. The plan should show all utilities and final grades, any easements and final grading. *This note must be incorporated onto the site plan.*
6. All site work including trench restoration must be completed before a Certificate of Occupancy is issued. *This note must be incorporated onto the site plan.*

Note: If the plans are updated it is the responsibility of the Applicant to provide all City Departments [Conservation Commission, ISD, and Engineering] involved in the permitting and approval process with complete and consistent plans.

If you have any questions or concerns please feel free to contact me @ 617-796-1023.