

**CITY OF NEWTON
ENGINEERING DIVISION**

MEMORANDUM

To: Alderman Ted Hess-Mahan, Land Use Committee Chairman

From: John Daghlian, Associate City Engineer

Re: Special Permit – 97 Hillside Avenue

Date: August 30, 2012

CC: Lou Taverna, PE City Engineer (via email)
Linda Finucane, Associate City Clerk (via email)
Eve Tapper, Chief Planner (via email)
Derek Valentine, Planner (via email)

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

*97 Hillside Avenue
Site Plan of Land
Newton, MA
Prepared by: Everett M. Brooks Co.
Dated: May 23, 2012*

Executive Summary:

An attached two stall garage and expanded driveway are proposed for this single-family dwelling. The runoff from the increase in impervious surfaces will be mitigated on site to the maximum extent, however, due to a relatively shallow depth to groundwater the on-site infiltration system will have an over flow connection as well a sump pump from the existing dwelling. Maintenance of the drainage system is imperative for proper functionality and performance. See additional comments on drainage below.

Drainage:

1. When a connection to the City's drainage system is proposed, prior to approval of the Building Permit a Closed Circuit Television (CCTV) inspection shall be performed and witnessed by the Engineering Division, the applicant shall retain a

- contractor that specializes in CCTV inspection. The applicant shall contact the Engineering Division 48 hours in advance to schedule an appointment. At the end of the inspection the video or CD shall be given to the inspector. Furthermore, upon completion of the connection to the drainage system a Post – Construction video inspection shall also take place and witnessed as described above.
2. A hydraulic capacity of the downstream drainage system needs to be evaluated and submitted to the Engineering Division to determine any impact to the municipal drainage system.
 3. An Operations and Maintenance (O&M) plan for Stormwater Management Facilities needs to be 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 Homeowners Association.
 5. All utility trenches with the right of way shall be backfilled with Control Density Fill (CDF) Excavatable Type I-E; detail is available in the city of Newton Construction Standards Detail Book.

General:

1. As of January 1, 2009, 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. 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 water services, sewer service, and drainage system installation. The utility in question 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*

3. The applicant will have to apply for Street Opening, Sidewalk Crossing, and Utilities Connecting permits with the Department of Public Works prior to any construction. *This note must be incorporated onto the site plan.*
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. If a Certificate of Occupancy is requested prior to all site work being completed, the applicant will be required to post a Certified Bank Check in the amount to cover the remaining work. The City Engineer shall determine the value of the uncompleted work. *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.