

**CITY OF NEWTON**  
**ENGINEERING DIVISION**

MEMORANDUM

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

From: John Daghlian, Associate City Engineer

Re: Special Permit – 20 Burrage Road

Date: May 29, 2013

CC: Lou Taverna, PE City Engineer  
Linda Finucane, Associate City Clerk  
Alexandria Ananth, Sr. Planner

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

*Proposed Revised Parking & Garage Plan*  
*20 Burrage Road*  
*Newton, MA*  
*Prepared by: Alpha Omega Engineering*  
*Dated: 4/30/13*  
*Revised: 5/2/13*

*Executive Summary:*

The single-family dwelling that is under construction is proposing a garage under into the basement area. The access for the garage is via a common driveway shared by #15 Burrage. Since the garage is below grade, a drainage system is required to capture the runoff before it enters the garage floor. The plan shows an existing catch basin that is at a higher elevation than the garage floor and thus will not function properly. Based on a site visit the catch basin is about 1-foot higher than the garage floor and the 4-inch trench drain is only the length of the 3' wide door; therefore, a new drainage collection system is needed to capture the runoff the entire width of the garage door. See photo below.



The contractor has a 30-yard dumpster that is placed on the lot, however; the truck that makes the delivery & pick is traversing across the exposed root system of a City Tree. The City Arborist should be contacted to determine any damage to the City Tree.



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 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.
3. 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.

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. 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 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*
4. 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.*
5. The applicant will have to apply for a Building Permit with the Department of Inspectional Service prior to any construction.

6. 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.*
7. All site work must be completed for a Certificate of Occupancy. *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.