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Engineering Department

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**INTERDEPARTMENTAL COMMUNICATION**

**To: Planning Department**

**Date:** March 21, 2014

**From: Engineering Department**

**Subject: Review of Roosevelt Drive – 17 Washington Drive – Residential Compound**

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We have reviewed the plans for the above mentioned project titled “Residential Compound, Roosevelt Drive, Acton MA” dated March 2014 and have the following comments:

1. The Fire Department should comment on the accessibility of a fire truck. Based on the applicant’s templates the common driveway is adequate for an SU-30 vehicle. The Fire Department should also comment on the Call Box location.
2. The applicant has proposed street addresses for the homes which will have to be reviewed by the Police and Fire Departments and approved before building permits are issued.
3. Two temporary benchmarks should be provided that won’t be disturbed during construction. According to the plans, two of the three benchmarks provided are on utility poles slated to be relocated.
4. The gravel base of the driveway should extend 3-feet under the shoulder of the road as opposed to the 2-feet provided on the plans.
5. According to the regulation, no paving shall take place after November 15th, not November 20<sup>th</sup> as stated under the General Notes 20.
6. The design standards in a Residential Compound require the common driveway to be laid out within a minimum 20-foot right-of-way. The proposed driveway is located on “Lot A” and not a dedicated right-of-way.
7. Any street signs should be MUTCD compliant and explicitly state that the road is a private way.
8. Soil maps were not provided as part of the drainage calculations.

9. There appears to be a typo on the detail for the water quality basin according to the calculations provided. The level spreader elevation for WQB-2 should be 262.75 and not 272.75.
10. The Definitive Plan has been proposed as a Residential Compound which will require a number of waivers from sections 8 and 9 of the Subdivision Rules and Regulations. Assuming the applicant makes the corrections stated previously, we do not foresee an issue granting these waivers.
11. Although the applicant has requested a waiver from sections 8 and 9, the centerline of the street should be monumented at all points of curvature and tangency using magnetized masonry nails in the final course of pavement. The engineer should add a note that no permanent monuments shall be installed until all construction is completed.
12. The applicant will be responsible for providing an as-built plan that will be certified by a PE/PLS.