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Engineering Department

INTERDEPARTMENTAL COMMUNICATION

To: Board of Selectmen

Date: 9/12/2016

From: Engineering Department

Subject: Site Plan Special Permit #11/20/15 - #459 – Concord Water – 180-182 Skyline Drive

We have reviewed the plans titled “Nagog Pond Water Treatment Plan, Concord Massachusetts” dated August 2016 for the above mentioned special permit and the letter dated September 8, 2016 regarding “Response to Comments from the Engineering Department dated 1/8/2016”. We have the following comments:

- 1) We’ve been asked to comment on the proposed perimeter fence traversing the flood zone and floodway. The zoning bylaw allows for construction of this sort within the floodzone assuming the proposed encroachment does not reduce the flood volume storage by less than 98% of existing storage without the use of compensatory storage.
- 2) The following comments are regarding the stormwater design which can be addressed by the applicant as a condition of the approval as we do not foresee any of the following issues requiring a major change to the site plan
 - a) The applicant has submitted the required water balance calculations
 - b) The applicant will provide updated stormwater calculations which will address our comment regarding the area typos. We will review the updated stormwater calculations when they are provided
 - c) Regarding our comment for storage within a catch basin, the volume below the invert generally is not available for stormwater storage with the exception of the first storm after the catch basin has been cleaned. Generally, during the course of the year, catch basin sumps below the invert are full and therefore are unavailable for storage for the next storm. If the stormwater calculations are required to model the catch basins as ponds, it is more conservative to assume the sump is unavailable for storage.