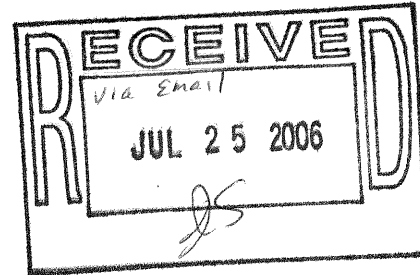


July 25, 2006

Mr. Jay Szklut
Planning and Economic Development Manager
Town of Belmont
Zoning Board of Appeals
19 Moore Street
Belmont, MA 02478



Subject: The Residences at Acorn Park
Chapter 40B – Comprehensive Permit
Belmont, Massachusetts
Sumner Brown – Wastewater Comments

Dear Mr. Szklut:

Per your request, this letter is in response to comments submitted by Sumner Brown following the June 28 ZBA meeting.

Pumping Station

The design flow of the proposed pumping station utilizes a peaking factor of 5 to account for periods of high flow (e.g. typical morning or Super Bowl half-time). The design flow is achieved with only one pump in operation and a second pump is provided for redundancy. The “lead” versus “lag” designation alternates between the two pumps to provide a more consistent run time for each pump.

The proposed pumping station is designed to store only a few hundred gallons of sewage. In the event of a prolonged power outage, sewage overflow from the station is a potential risk. To minimize this risk, the pumping station should have provisions for emergency power.

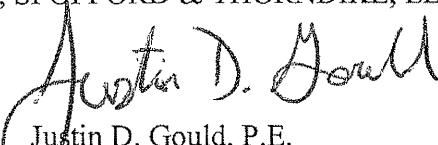
Please refer to FST’s 5/17/06 memorandum and 7/25/06 letter for additional comments regarding the proposed pumping station and force main.

Wastewater Impact

Mr. Brown introduces a methodology for calculating an I/I ratio that takes into account the concentration of wastewater in a particular sewer system overflow event. While we understand the concept as described by Mr. Brown, FST is not aware of any precedence where this type of formula has been used to calculate an I/I ratio.

Please feel free to contact me by email at jgould@fstinc.com or by telephone at 781-221-1083, should you desire additional information or wish to discuss any aspect of this letter.

Very truly yours,
FAY, SPOFFORD & THORNDIKE, LLC.
By


Justin D. Gould, P.E.
Principal Engineer

Cc: (via email)
Mr. David Albrecht, Rizzo Associates

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