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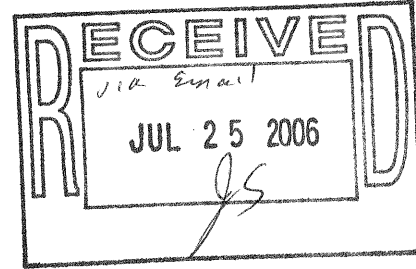
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July 25, 2006

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
Wastewater Management Systems Review

Dear Mr. Szklut:

This letter provides supplemental information to FST's 5/17/06 memorandum regarding the proposed sewage pumping station and force main. Technical Report #16, Guides For The Design Of Wastewater Treatment Works (TR-16), by the New England Interstate Water Pollution Control Commission is an accepted industry standard for the design of wastewater systems. FST adheres to TR-16 guidelines during the design of new sewer systems and has used TR-16 as the basis for our review comments.

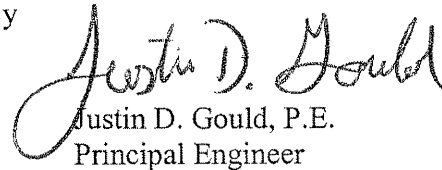
Due to the nature of sanitary waste, a minimum force main diameter of 4 inches (3-inch diameter is currently proposed) is recommended to minimize the potential for clogging. Similarly, it is recommended that pumps be capable of passing a minimum 3-inch diameter sphere (proposed pump can pass a maximum 2.5-inch solid). Not adhering to these guidelines will likely result in the need for increased maintenance of the pumping station and force main, but also detracts from station reliability. The pumping system should not be approved with a 3-inch force main.

I have spoken to Mr. Peter Castanino, Director of Public Works regarding this issue. As currently proposed, the pumping station and force main shall remain under private ownership so that the Town of Belmont is not responsible for maintenance. Mr. Castanino believes, as does FST, that should the potential exist in the future for the Town to take ownership of the pumping station and force main, then TR-16 design guidelines should be followed. The reality is, if a blockage occurs that results in backups or overflows that could affect public health, the Town, even though not responsible for maintenance, will be expected to react as first responder.

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. Peter Castanino, Director of Public Works
Mr. David Albrecht, Rizzo Associates

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