

September 11, 2008

Diana M. Schindler
Town of Southampton
P.O. Box 276
Southampton, MA 01073

Reference: Gilbert Road As-Built Easement

Dear Ms. Schindler:

I am writing you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding the as-built plans for the driveway on Gilbert Road in Southampton on the property of Edward H. Gwinner Jr. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact that are proposed within the aquifer to ensure that drinking water resources remain safe for the more-than 60,000 people that it serves.

BAPAC reviewed the plans dated July 18, 2008 at their September 11, 2008 meeting. It appears that five small detention basins have been constructed along the north side of the approximately 1,300' road. Road drainage appears to sheet flow generally to the north side of the road. Based on the plan presented, the detention basins appear to capture some but not all of the sheet flow. Additionally, the detention basins do not offer any pre-treatment for oil and grease prior to infiltration. Given this, the detention basins as constructed do not adequately meet BAPAC's standards for stormwater treatment and infiltration within the Zone II.

Therefore, BAPAC has the following general recommendations for consideration:

- Best Management Practices (BMPs) should be constructed to capture all runoff from the road, remove contaminants such as petroleum, salts, and heavy metals, and infiltrate clean recharge to the ground.
- A gate valve should be installed prior to the recharging BMP so that in the event of a release of a hazardous material, the recharge BMP can be separated from the system to prevent the hazardous material from contaminating groundwater.
- Roadways should be bermed so that all road runoff is directed to the treatment BMPs and does not sheet flow onto open areas where it can infiltrate untreated.
- Alternatives to sodium chloride should be used for ice and snow removal to prevent salt contamination of the aquifer.
- An Operation and Maintenance Plan should be developed and adopted by the homeowner's association for the BMPs. Annual reporting should be submitted to the Southampton Highway Department for review.

Additionally, the project should adhere to all applicable provisions of Southampton's Water Supply Protection District Bylaw and the recently adopted Erosion and Sediment Control Bylaw. Thank you for the opportunity to comment.

Sincerely,

Charles Darling, Chair

cc: Edward H. Gwinner, Jr.
Mark Reed, Heritage Survey
Mark Girard, Southampton Planning Board
Edward Cauley, Southampton Highway Department