

# SITEC

## ENVIRONMENTAL

Civil and Environmental Engineering, Land Use  
Planning, Hazardous and Solid Waste Consulting

SITEC ENVIRONMENTAL, Inc.  
769 Plain Street, Unit C  
Marshfield, MA 02050  
Tel. (781) 319-0100 FAX (781) 834-4783

449 Faunce Corner Road  
Dartmouth, MA 02747  
Tel. (508) 998-2125 FAX (508) 998-7554

September 20, 2007

Albert Bangert, Chairman  
Scituate Zoning Board of Appeals  
600 Chief Justice Cushing Way  
Scituate, MA 02066

RE: Herring Brook Meadow – Submission for October 4, 2007 ZBA Hearing

Dear Chairman Bangert:

Per agreement at the last ZBA hearing for this project, we will be prepared to present at the October 4, 2007 continued ZBA hearing our engineering and scientific analysis of the three over arching environmental issues; 1) coastal flooding, 2) inland flooding and 3) the hydrogeology associated with the proposed wastewater treatment facility. The accompanying documents and plans (10 sets) address the inland flooding issue (issue no. 2). We have redesigned the site layout and reanalyzed the associated impacts to inland flooding in an effort to address concerns raised by the ZBA and the ZBA review consultants.

Regarding the coastal flooding issue (issue no. 1), we previously submitted the following documents to both the ZBA and the ZBA review consultants;

- . SITEC report entitled, "Environmental Setting – Stormwater Analysis & Mitigation" dated October 10, 2006 signed by Peter Rosen, Ph.D., Coastal Geologist and Steven Gioiosa, PE, Civil Engineer,
- . SITEC letter report from Peter Rosen, Ph.D. to the Scituate Conservation Commission dated March 29, 2007,
- . SITEC letter response from Peter Rosen, Ph.D. dated July 23, 2007 to the MEPA office responding to MA CZM comments made at the July 11, 2007 MEPA ENF public meeting, and

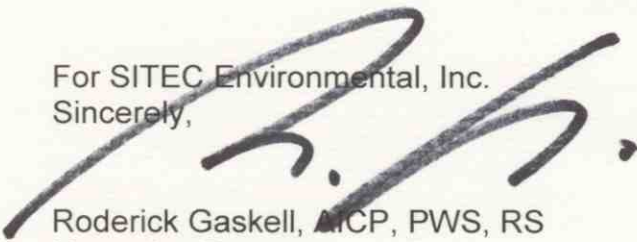
- . SITEC memorandum from Roderick Gaskell, AICP, PWS, RS, Land Use Planner and Wetlands Scientist dated July 24, 2007 to Chris Ross, MA DEP Southeast Regional Office Wetlands Section.

Regarding the hydrogeology and associated proposed treatment facility issue (issue no.3), we previously submitted the following documents to the ZBA and the ZBA review consultants;

- . Geoscience Report entitled, "Hydrogeologic Evaluation Herring Meadow Brook Scituate, Massachusetts" prepared by Peter Dillon, Hydrogeologist, dated June 2007, submitted with the MEPA ENF,
- . SITEC report entitled, "Summary of Wastewater Impacts and Mitigation Herring Brook Meadow, Scituate, Massachusetts prepared by Raymond Quinn, PE, Sanitary Engineer, submitted with the MEPA ENF, and
- . Geoscience letter report provided as a follow-up to the July 11, 2007 MEPA public hearing which provides additional responses to issues raised at this meeting, prepared by Peter Dillon, dated August 8, 2007.

We look forward to an opportunity to make our technical presentations regarding these three issues at the October 4 continued ZBA hearing.

For SITEC Environmental, Inc.  
Sincerely,



Roderick Gaskell, AICP, PWS, RS  
Managing Partner

Cc; Daniel Garson, AICP  
Woodard & Curran

James Comeau, PE  
Pennoni Associates, Inc.

Janet Stearns, Esq,

**HERRING BROOK MEADOW RESIDENTIAL COMMUNITY  
REVISED SITE LAYOUT (60 UNIT-3 BUILDING)  
SCITUATE, MA**

**INLAND FLOODING DELINEATION & MITIGATION**

**Narrative Report – Inland Flooding Delineation & Mitigation Summary**

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***LIST OF ATTACHMENTS***

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Attachment A	Locus Map
Attachment B Calculations	Revised Storm Drain & Water Quality Swale Capacity
Attachment C	Revised Total Suspended Solids Removal Calculation Worksheet
Attachment D	Operation and Maintenance Plan
Attachment E	Supplemental information
Attachment F	Drawings

*List of Drawings*

*Existing Conditions & Wetland Resource Area Plan  
(Sheet 2 of 11, Latest Rev. Sep. 17, 2007)*

*Site Plan (Sheet 3 of 11)*

*Grading Plan (Sheet 4 of 11)*

*Drainage Plan (Sheet 5 of 11)*

