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August 20, 2009

Mr. Dan Walsh
Building Inspector
Needham Building Department
470 Dedham Ave
Needham, MA 02492

Re: Special Permit
92 Rosemary Street, Needham, MA 02492

Dear Mr. Walsh,

In order for Musco to satisfy Section 4.1.6.4 (i) of the Needham Zoning By-Law, "demonstrate that there has been no undue light trespass at the property lines", a preliminary illumination test was conducted. The light level testing was completed by myself using a Gossen Mavolux 5032C light meter. This pre-development ambient light level test was completed August 18, 2009 and is part of the submission package.

The proposed design for both on-field and property line illuminations was submitted to the Needham Zoning Board of Appeals on April 17, 2008. This proposal indicated that the maximum horizontal spill light at the property line would be 7.13 footcandles horizontal and 9.24 footcandles max vertical.

In accordance with Section 4.1.6.4 (i) of the by-law a 'post-development light illumination test' was performed at the neighborhood property line. Based on actual light level readings taken by myself, the actual light spillage at the property line did not exceed 5.25 footcandles horizontal and 4.88 footcandles max vertical at Memorial Park. Both of these readings were high due to the pre-development light present at the property line. These readings are summarized in document 130786AB1. This post-development light illumination test demonstrates that 'there has been no undue light trespass at the property lines.'

I certify that the as-built installation of the light poles and luminaries conforms to the requirements of the Town of Needham Zoning By-Law and understand that this certification and accompanying test result data for Memorial Park meet the submission requirements of Section 4.1.6.4 (i) and (j) for post-development light illumination tests. If you have any questions, please don't hesitate to contact our office.

Sincerely,

Ryan Marsh, LC
Lighting Specialist
Musco Lighting

Attachments:

1. Certified Lighting Professional Certificate
2. Proposed illumination plans (130786r1)
3. Post-development light readings (130786AB1)

