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September 1, 2021

Zoning Board of Adjustment
Township of Mahwah
475 Corporate Drive
Mahwah, NJ 07430

Re: Site Lighting Data
Pike Enterprises LLC
149 Franklin Turnpike
Block 70.02 – Lot 21
Township of Mahwah
Docket No. 1484-20

Dear Board Members:

This letter is intended to address Comment 50 in the Boswell Engineering February 5, 2021 review memo. Based on a site plan set entitled "Site Plan, Pike Enterprises, LLC, Block 70.02, Lot 121, 149 Franklin Turnpike, Township of Mahwah, Bergen County, NJ" prepared by Schwanewede/Hals Engineering on May 21, 2021, consisting of 8 sheets, the lighting statistics for the site are as follows:

- Minimum foot-candle level on the site: 0 located behind the dumpster area
- Minimum foot-candle level within the parking area: 1.4
- Maximum foot-candle level on the site: 23.1 located under the gas canopy
- Maximum foot-candle level within the parking area: 3.8
- Average foot-candle on the site: 2.8
- Average foot-candle within the parking area: 2.8
- Lighting uniformity within parking area (Avg./Min.): 2.0:1
- Lighting uniformity within parking area (Max./Min.): 2.7:1
- Maximum foot-candle at property line along adjacent properties: 0.1
- Maximum foot-candle at property line along right-of-way: 1.0
- Pole mounted fixture mounting height: 14 feet
- Building mounted fixture mounting height: 12 feet
- Light Depreciation Factor Used: 1.0 (conservative for determining maximum lighting intensity at property lines)

Per Section 22-6.4 of the Township's Ordinance, there shall be an average of 1.5 foot-candles throughout parking lots and there shall be a maximum of 1 foot-candle at property lines.

Based on our review of the proposed lighting design and Ordinance requirements, it is our opinion that the proposed lighting for the above referenced site is satisfactory and appropriate for the proposed use and that the lighting design is compliant with all Ordinance requirements.

Very truly yours,

SCHWANEWEDE/HALS ENGINEERING
Professional Engineers and Land Surveyors



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