

RE&LD

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October 3, 2016

To: The New London Planning Board
Frank Anzalone, Frank Anzalone and Associates
From: Victor Reno, PE
Re: The Proposed Colonial Pharmacy site lighting

As the professional engineering and lighting designer involved with and responsible for the design and specification of the site lighting for the proposed Colonial Pharmacy, to be located at 86&98 Newport Road, I wish to request a waiver from one section of your *Site Plan Review Regulations* – specifically section 2.c dealing with the mounting height of the luminaires.

Section 2.c states, “Any Luminaire with e Lamp or Lamps rated at a total of MORE than 1800 Lumens, and all Floodlights or spot Luminaires with a Lamp or Lamps rated at a total of more than 900 Lumens, shall be mounted at a Height equal to or less than the value $3 + (D/3)$, where D is the distance in feet to the nearest property boundary. The maximum Height of the Luminaire shall not exceed 25 feet.”

Due to the nature of the site and the close proximity of the property boundary lines to the drive and parking areas, especially on the north and north-east sides of the building, it would be virtually impossible to properly light the drive and parking areas with pole mounted fixtures to IES-NA recommended levels or to meet your own regulations as detailed in section 4.b. The only other way to light these drive and parking areas would be to use flood lights mounted on the building tilted to shine out at the parking areas, but that would violate your requirements in section 2.b for the restriction of light above the horizontal plane of the fixture. It would also be bad practice and contrary to IES-NA recommendations.

Therefore, if we are to light the drive and parking areas adequately and to IES-NA recommended practices, we will need to mount our site lighting fixtures (Luminaires) at a reasonable height. As you will be able to see from our site lighting plan, we can provide good illumination to IES-NA standards and meet all of the other *Site Plan Review Regulations* for lighting guidelines with our lighting plan as designed using 20’ poles.

Thank you for your time and consideration in this matter.

Best Wishes,

Victor Reno, PE, IES, IALD and LEED-AP