Site Lighting Plan

PURPOSE:

This document provides design guidance for the preparation of a Site Lighting Plan, which may be required for the submission of an application under the *Planning Act*. All Site Lighting Plans shall follow the guidelines contained and referenced in this document. A Site Lighting Plan may be required as a condition of Site Plan Approval.

A Site Lighting Plan provides information on how to illustrate the location, height, and type of exterior lighting fixtures on a site, and the resulting levels of light intensity across the site. This Plan may be required as part of a complete application for Site Plan Control.

The purpose of a Site Lighting Plan is to achieve lighting levels which provide ease of night-time use for a property, create a safe environment, promote crime prevention through environmental design, promote pedestrian and cycling safety on-site, and enhance the character of a site. Site Lighting Plans are also required to demonstrate that site lighting does not spill over to adjacent development and natural areas creating light trespass.

PREPARED BY:

The Site Lighting Plan must be prepared by a lighting specialist, such as a Professional Engineer specializing in lighting. The consultant must affix their stamp and seal and specifically identify the lighting specialist or engineer who prepared the work.

CONTENTS:

Site Lighting Plans must follow the City's approved Site Lighting Plan Guidelines outlined in Section 3.9 of the City of Hamilton Site Plan Guidelines. Site Lighting Plans shall also demonstrate compliance with any other applicable Secondary Plan policies and area-specific design guidelines.

Site Lighting Plans should also follow best practice standards of the Illuminating Engineering Society (IES).

Site Lighting plans shall contain the following information:

- The location of all existing and proposed exterior lighting fixtures;
- The mounting height of all existing and proposed fixtures (from adjacent grade to underside of the fixture);
- Manufacturer's data describing the specifications for all proposed lighting fixtures, including the photometric data, designation as IES "full cut-off" fixtures, and other descriptive information related to the fixtures;
- Type of optical system;
- The site areas and/or building elements intended to be illuminated;
- A computer-generated site plan showing maintained light levels throughout the entire site;
- A table showing the average maintained foot candle level and uniformity levels;
- Information to show that the lighting fixtures, electrical conduit, and areas to be illuminated do not conflict with existing or proposed vegetation; and,
- Notations that all exterior lighting fixtures are full cut-off to direct illumination downward, and dark sky compliant to reduce light pollution, sky glare, and light trespass onto neighbouring properties.

OTHER INFORMATION:

Site Plan Guidelines

Site Plan Guidelines | City of Hamilton

REVIEWED AND APPROVED BY:

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