LIGHT
FOLLOWS
BEHAVIOUR

Planning Response – Light Pollution

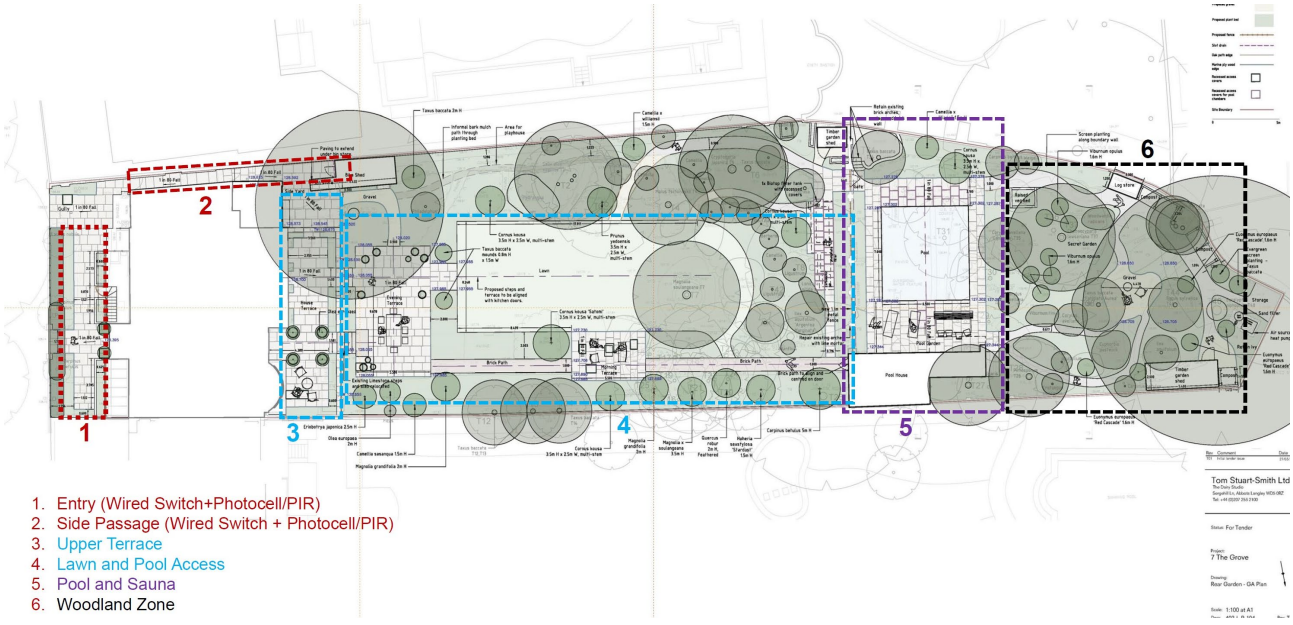
7 The Grove

26/09/2023

The outdoor lighting for 7 The Grove has been designed with warm white, energy efficient, LED lighting throughout in conjunction with smart lighting controls. This will allow lights to dim down to lowest possible level to minimise light pollution when the garden is not in use and avoid obtrusive lighting to neighbouring properties. Where adjustable spotlights are proposed to planting or architectural features, lights will be aimed at designated elements intended to be illuminated reducing upward spill light and their view from neighbouring properties. An indication of typology of lights proposed is included below for reference.

The smart lighting control implemented will be designed with time clock/daylight sensor function to avoid landscape lights being switched on during daylight hours or left on unnecessarily during hours of darkness. Scene setting capabilities will allow the dimming and grouping of lights into control zones to only turn on the required lighting for the area(s) of the garden being utilised avoiding overlighting. Analog switched lights, installed onto the exterior of the property, such as door lights, access lights and lighting to enclosed garden sheds will also use daylight sensor and/or presence detection.

Zoning diagram below indicates proposed lighting groups to allow the owners to only switch on lights required for use of the garden as opposed to the entire garden, reducing negative impacts to wildlife.



1. Entry (Wired Switch+Photocell/PIR)
2. Side Passage (Wired Switch + Photocell/PIR)
3. Upper Terrace
4. Lawn and Pool Access
5. Pool and Sauna
6. Woodland Zone

FUNCTION / LOCATION	DESCRIPTION	MANUFACTURER	SOURCE	COLOUR TEMP	CONTROL	Indicative Product Image
Lighting paths and planting	Spike mounted path light	TBC	LED	2700K	Dimming	
Lighting to walls	Spike mounted adjustable spotlight	TBC	LED	2700K	Dimming	
Lighting to shed doors	Wall mounted downlight	TBC	LED	2700K	Dimming	
Internal lighting to sheds	Ceiling mounted downlight	TBC	LED	2700K	On/Off via PIR/ manuel switch