



DARWIN
ECOLOGY

integrating nature conservation

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Company No. 07654823

29th December 2020

Dear Sir or Madam,

Darwin Ecology conducted a Preliminary Ecological Appraisal (PEA) at land at the former McIntyre Nursery, Worthing on 6th November 2020. Although no habitat suitable for roosting bats was observed on the site, the rural surroundings provided roosting, foraging and commuting habitats. The plans are to use the site for rented storage units which will be accessed by clients, subsequently a lighting plan has been created by Standby Self Storage Ltd and reviewed by Darwin Ecology.

Following consultation with Standby Self Storage Ltd and reviewing their lighting plan we believe we have found a scheme that will balance the needs of the bats and also the needs of the storage facility. The scheme outlined below therefore incorporates the recommended modifications and specification in order to avoid impacts to sensitive areas around and above and reduces light intensity and pollution as much as possible.

The approved lighting plan (Standby Self Storage / John Collins Associates Drawing Number 5320-2 Rev D (December 23rd 2020)), sent to Darwin Ecology on 23rd December 2020, includes various features to reduce the affect lighting may have on bats including:

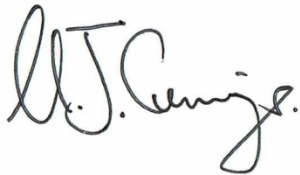
- The use of Zinc Oval Bulkhead Black 240v lights which are fitted with 'eyelids' covering 50% of the light. Lightbulbs to be used with these will produce a 'warm' light with a temperature of less than 2700K;
- The lights will be off during closing hours (opening hours are 07:00 - 19:00 Monday to Saturday and 07:00 - 17:00 on Sundays) and will be operated by Passive Infra-red (PIR) sensors ensuring the lights are only on when movement is detected. These sensors will be adjusted to ensure movement of wildlife does not trigger the lights;
- The site will be split into multiple zones using a JGD light control system to guarantee that only the lighting necessary for the person(s) to access their storage unit(s) will be switched on;
- A minimum number of lights are being installed with only one light being fitted on each corner;

- Lights will be installed at the top of the containers and no higher in order to reduce the amount of light spilling above the height of the containers;
- Dark coloured paving and containers will be used to reduce the amount of reflected light;
- Fencing in the north western corner of the site will be installed with willow screening to block any additional light onto the surrounding habitat from cars accessing the site.

As long as this scheme is implemented in full we believe it to be a suitable balanced solution that will negate any adverse effects caused by lighting of the proposed storage facility on local wildlife, especially bats. Any further modifications or additions to this system would need to be reviewed in full by a licensed ecologist.

If you have any further questions please do not hesitate to get in touch.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'M.J. Cummings'.

Michael Cummings BSc MSc MIEEM
Director, Darwin Ecology Ltd.