

St Andrews Castle 33 St Andrews Street South Bury St Edmunds IP33 3PH

Gravesham Borough Council

Planning Portal Ref: **PP-14896205**

29/04/2026

To whom it may concern

The Woodlands 217 Wrotham Road Gravesend Kent

New luminaires to the existing External Lighting Suite, with new Illuminated Bollards.

Please find attached an application for the “*New Luminaires to existing External Lighting Suite, with new Illuminated Bollards.*” At The Woodlands, Wrotham Road, Gravesend.

The lighting design proposal utilises as much of the existing lighting infrastructure as possible and introduces directional LED luminaires with a more ecological suitable CCT of 3000K warm white. The lighting design will ensure that the major areas of pedestrian and vehicular traffic mix are illuminated to a level that is compliant with BS 5489-1:2020. This standard is widely used for retail and amenity lighting. It also provides excellent light uniformity for CCTV coverage.

In summary, the attached Signify Isolux lighting plot includes:

- Five existing 89mm diameter lamp posts along Wrotham Road (highlighted blue), with reducer spigots to suit the Signify luminaires. The luminaires are tilted at 5° pointing away from Wrotham Road and the residential properties. This increases the throw of light. The luminaires incorporate back light louvres which has cut off the rear light spill to 6.25 lux within the width of the footpath. There will not be any obtrusive light nuisance on the residential properties.
- Five OptiSpace LED bollards (highlighted magenta) to illuminate the footpaths to the side and rear of the restaurant. The average illumination is 22 lux which will ensure that these areas are suitably illuminated. (pink)
- The three lamp posts along the access road to the Premier Inn shown in green have also been included to maximise the overall illumination to the car park and unloading area.
- The average illumination of the general car park area is 25 lux with a uniformity of 22%.

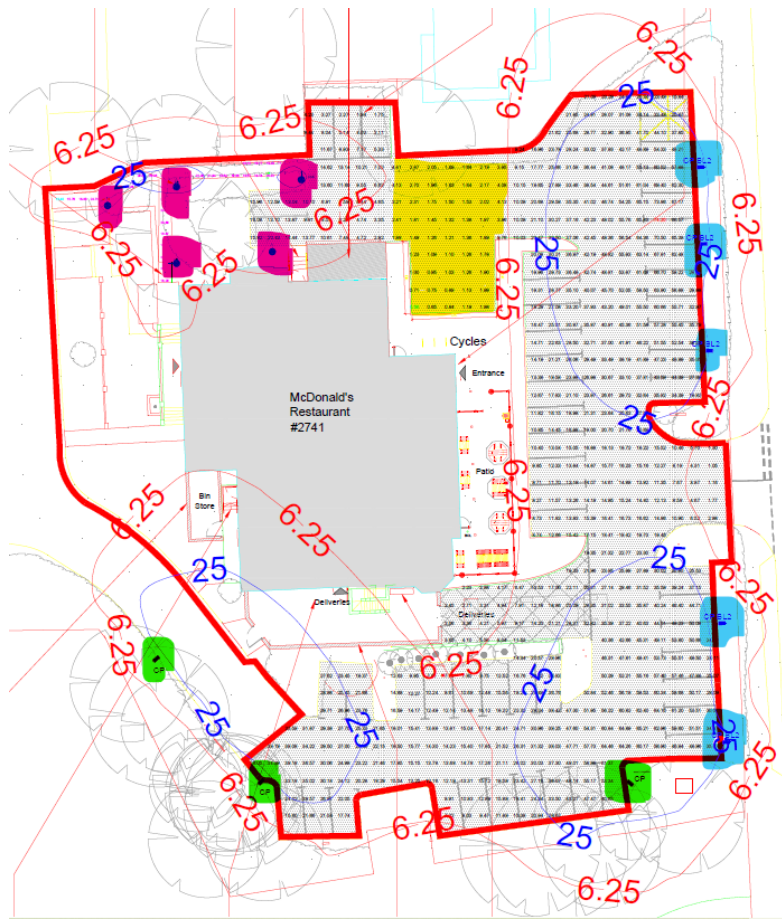


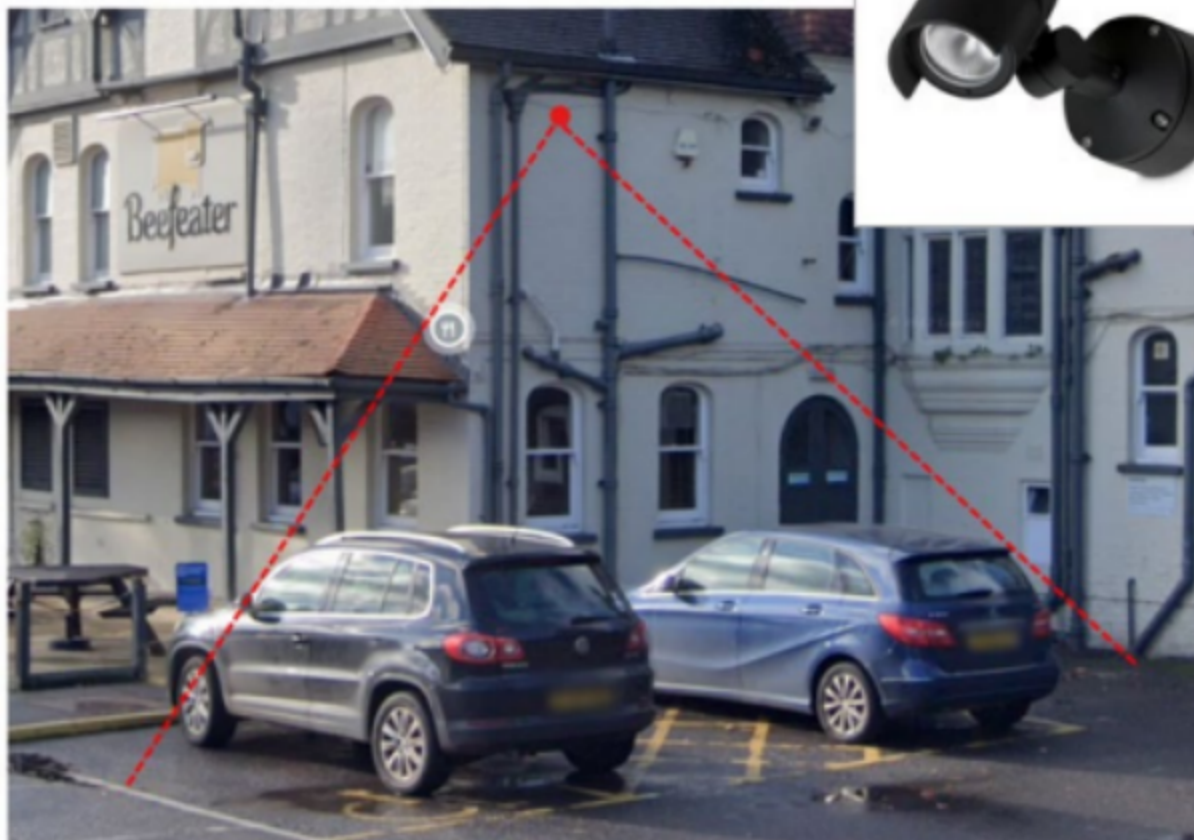
Figure 1 – Plan highlighting the different areas as per the narrative (NTS)

The area highlighted in yellow cannot be directly illuminated from the existing column and luminaire locations or the LED bollards being used to illuminate the footpath. There is not an opportunity to introduce a new column and luminaire on the northern boundary without causing potential obtrusive light nuisance to the adjacent residential property.

In practice, there will be considerable light transfer from the frontage patio lanterns and from the restaurant windows which cannot be simulated on the Signify Isolux plot.

If the localised illumination levels need supplementing for the three accessible parking bays, a simple downward directional spotlight using a PIR movement sensor would suffice. It would not be visible from any of the residential properties. This would be an on-site decision once the site is fully operational.

- The spotlight would only be activated with movement in the parking bays.
- The spotlight would be hooded to ensure that there was no horizontal light glare.
- The CCT would be 3000K warm white.



If you have any queries relating to this letter or require any further details in relation to the application, please do not hesitate to contact us.

Yours faithfully,



Sarah Carpenter

Planware Ltd

