IVC SIGNS

GS10215
EG On The Move
Land Parcel at 507911 125837
Newbridge Road
Billingshurst
West Sussex

LIGHTING ASSESSMENT

May 2024

IVC SIGNS LIMITED - 1-2 Cobbswood Industrial Estate,
Brunswick Road, Ashford, Kent, TN23 1EL
Company Number - 06377604 VAT Number - GB702843747
Registered in England and Wales

External Lighting Assessment

New to Industry (NTI) Refuelling Site with convenience store and fast food offerings

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Report Status	Final
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Issued to	Horsham District Council
Requested by	Development Management

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1.0 INTRODUCTION

1.1 The following statement provides updated information in relation to the specification of signage lighting for EG on the Move and CO-OP Land Parcel at 507911 125837, Newbridge Road. Billingshurst, West Sussex.

2.0 CONTEXT OF EXTERNAL LIGHTING

2.1 The signage lighting proposed is essential for identifying the site at night. Reinforcing the advertising of Petrol Forecourt site.

2.2 The signs use internally fitted LED modules. These diffuse through translucent acrylic to create a glow. The face of the acrylic can be decorated with coloured translucent vinyl.

2.3 The sign illumination is controlled inside the forecourt building. This allows the signs to be on at optimal times. LEDs are also low power consumption which therefore produces less CO2 emissions.

3.0 Lighting Specification

3.1 All LEDs are powered by 12V DC transformers connected to 13amp 220-240V spurs. These spurs are installed by a qualified electrical engineer into the main distribution board for the building.

3.2 LED Specification see over leaf.

3.0 Lighting Specification

3.2 The lighting specification is as follows:

ADM-6815-2835-3



Name:	3LEDs 2835 Samsung LED Module Light	Model:	ADM-6815-2835-3
Voltage:	DC12V	LED Quantity:	3LEDs
Watts Per Metre:	1.2W	Colour Temperature:	3000K/4000K/6500K
IP Rating:	IP68	Beam Angle:	170°
Warranty:	5 Years	Dimmable:	0-100% Dimmable By LED Module Light Dimmer
High Light:	**Samsung LED Module Light Source, IP68 LED Module Light Source, led module smd 2835**		

The lighting specification cont...

3.0 Lighting Specification

3.2 The lighting specification is as follows:

ADM-4040-2835-4



Name:	4LEDs 2835 Samsung LED Module Light	Model:	ADM-4040-2835-4
Voltage:	DC12V	LED Quantity:	4LEDs
Watts Per Metre:	1.8W	Colour Temperature:	3000K/4000K/6500K
IP Rating:	IP68	Beam Angle:	170°
Warranty:	5 Years	Dimmable:	0-100% Dimmable By LED Module Light Dimmer
High Light:	**12V Single Color LED Module**, **IP68 Single Color LED Module**, **Dimmable Square LED Module**		

3.0 Lighting Specification

3.3 The LED modules used are among the standard used inside a major of internally illuminated signs. Positioning and lighting detail can be seen on accompanying plan.

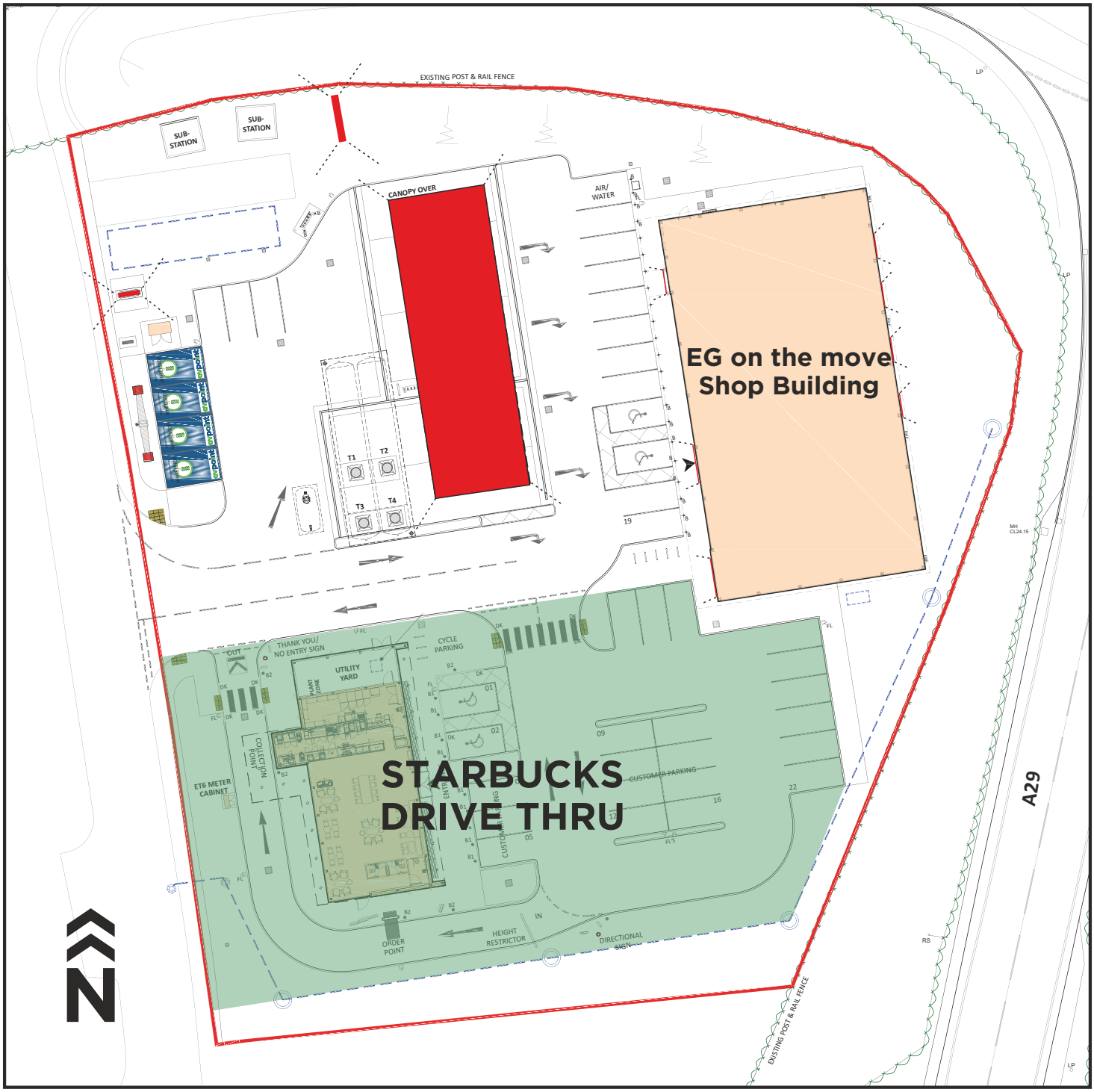
3.4 These LEDs have a long life, in most cases the transformer will fail first. This can be easily changed without having to remove the sign. No other maintenance is needed.

4.0 Operation

4.1 The signs are switched on during all times it is deemed as night. This varies at various times of the year depending on the season. Winter operation being between from 3pm to 7pm while Summer operation could be not needed at all.

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Sign Position



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