Date 3rd November 2026

RE: EXTERIOR LIGHTING SCHEME FOR PETROL STATION FORECOURT AT FARMERS ARMS LIVERPOOL

The Exterior Lighting Drawing identifies the number of lights and type of Lights to be used within the scheme.

The seven 5 metre Columns (11B to 18b) will have Orangetek LED Lanterns fitted with Rear Louvers to minimise any levels of obtrusive light or glare. The LED Lanterns mounted on the canopies 1A to 10A over the petrol pumps are Ogangetek GDS KN 4K 31.8 watt 5092 lm Lanterns. They will be fitted flush in the forecourt canopies

Details of the Lanterns are included on the exterior lighting drawing 108/FS/LL/26 and on the Isolux Lighting Plot.

ILP Guidance GNO1 2021 for an E3 Urban zone, (10 lux pre-curfew, 2 lux post-curfew). This station is situated in what would be defined an E3 Urban zone, with all the streets/roads in the surrounding area well served with existing Public Road Lighting.

This report is accompanied with an Isolux Lighting plot for the scheme and boundaries of the site.

On Pages 3 & 4 of the Isolux Lighting Plot there are a set of coloured contours indicating light levels across the site and adjacent boundaries. Page 3 provides the vertical light levels 1.5 above ground level. Page 4 provides the Horizontal light levels at above ground level.

Within the Blue Contours light levels are over 20 lux.

Within the Green Contours light level are over 15 lux.

Within the Red Contours light level are over 10lux.

Within the Turquoise Contours light level are over 5 lux.

Within the magenta Contours light level are over 2 lux.

Within the yellow Contours light level are over1 lux.

Outside of the yellow Contours, the Light Levels drop down to Zero Lux.

This scheme is designed to provide sufficient light levels for the customers and staff of the service station, but also ensures any nuisance light/glare is minimal on adjacent properties and well within compliance of ILP GN01/21 guidelines.

These figures are the maximum light levels from the scheme and confirm the proposed new lighting will comply with ILP Guidance GN01/2021. Any obtrusive light from the new lighting within the Petrol

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Station Forecourt will be further reduced by any new or existing buildings, fences or vegetation along the site boundaries.

