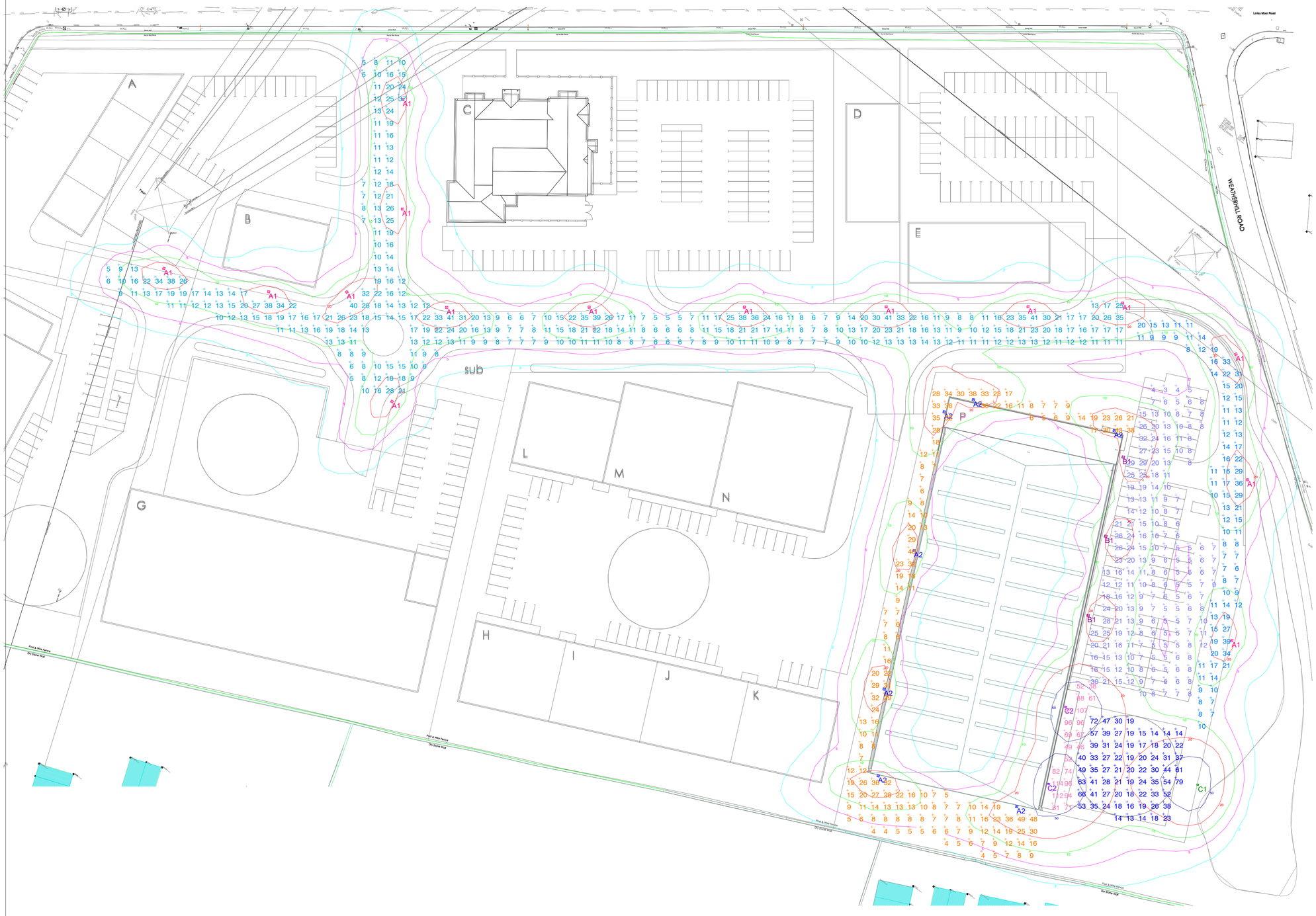


Abacus®

Leaders in Lighting

LIGHTING EQUIPMENT

A1 -
15 x 8m new masts carrying the following S-Lum luminaires:
1 x AL61009_55W_4K
Single
Post top mounted
Lantern elevation 0°

A2 -
7 x 8m building mounted S-Lum luminaires:
1 x AL61009_55W_4K
Single
Wall mounted
Lantern elevation 0°

B1 -
3 x 8m building mounted S-Lum luminaires:
1 x AL61003_55W_4K
Single
Wall mounted
Lantern elevation 10°

C1 -
1 x 8m new masts carrying the following F-Lum Midi luminaires:
1 x AL60701_200W_4K
Single
Post top mounted
Lantern elevation 10°

C2 -
2 x 8m building mounted S-Lum luminaires:
1 x AL60701_200W_4K
Single
Wall mounted
Lantern elevation 10°

HORIZONTAL ILLUMINANCE LEVELS

Car Park
Average Horizontal Illuminance (E.av): 12 Lux
Minimum Horizontal Illuminance (E.min): 3 Lux
Uniformity Ratio (E.av / E.min): 0.26

Loading Bay
Average Horizontal Illuminance (E.av): 78 Lux
Minimum Horizontal Illuminance (E.min): 38 Lux
Uniformity Ratio (E.av / E.min): 0.45

HGV Turning Circle
Average Horizontal Illuminance (E.av): 30 Lux
Minimum Horizontal Illuminance (E.min): 13 Lux
Uniformity Ratio (E.av / E.min): 0.41

Perimeter
Average Horizontal Illuminance (E.av): 16 Lux
Minimum Horizontal Illuminance (E.min): 4 Lux
Uniformity Ratio (E.av / E.min): 0.25

Roadway
Average Horizontal Illuminance (E.av): 15 Lux
Minimum Horizontal Illuminance (E.min): 5 Lux
Uniformity Ratio (E.av / E.min): 0.31

NOTES

Maintenance Factor: 0.9 based upon:
- Luminaires depreciation due to dirt
- Medium Pollution

Grid Intervals 3m x 3m
Grid Values in Lux
Contours Values 20, 10, 5, 2, Lux

This scheme has been developed based upon a flat and open area, where shadowing from buildings, plants, equipment etc. have not been taken into consideration.

LLOYD'S REGISTER LRQA
ISO 9001 • ISO 14001
OHSAS 18001

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Lighting Project: Lindley Moor

Title: External Lighting

Design Ref: LS4057072	Revision(s) From Previous Design:
Design By: Stacie Fowler	
Date: 21/04/2022	Scale: 1:500 @ A1

All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.