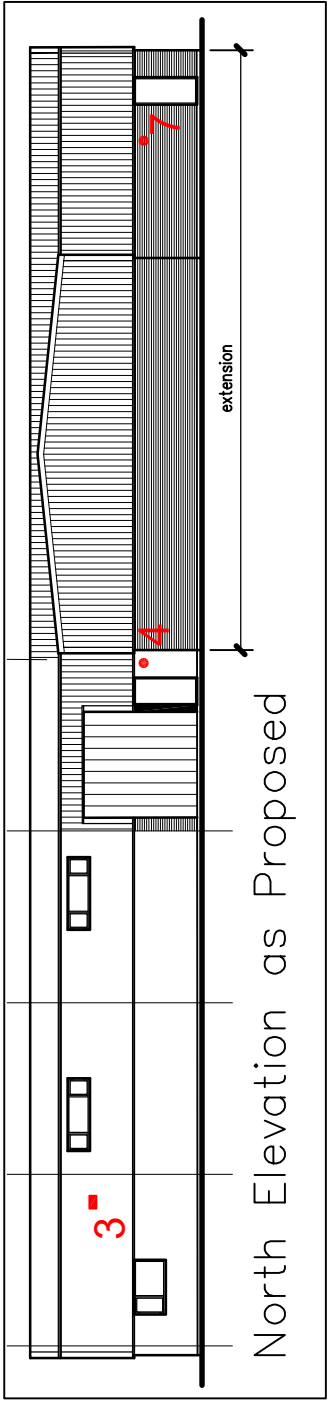
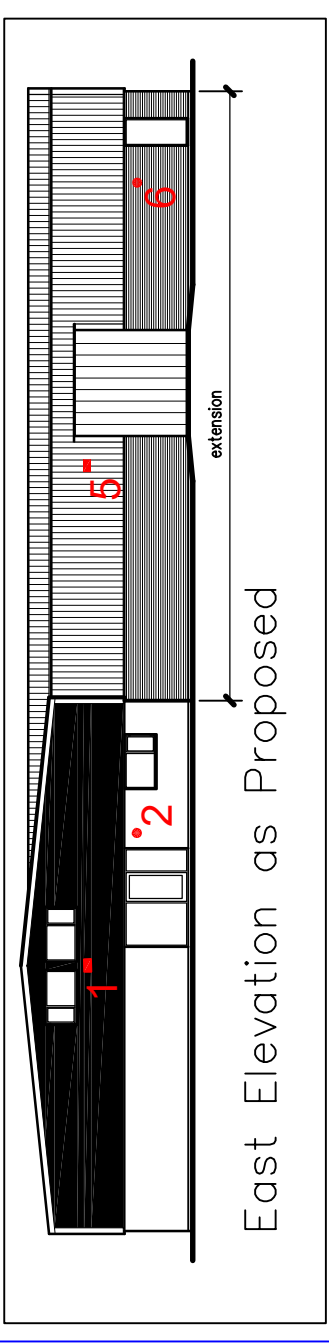
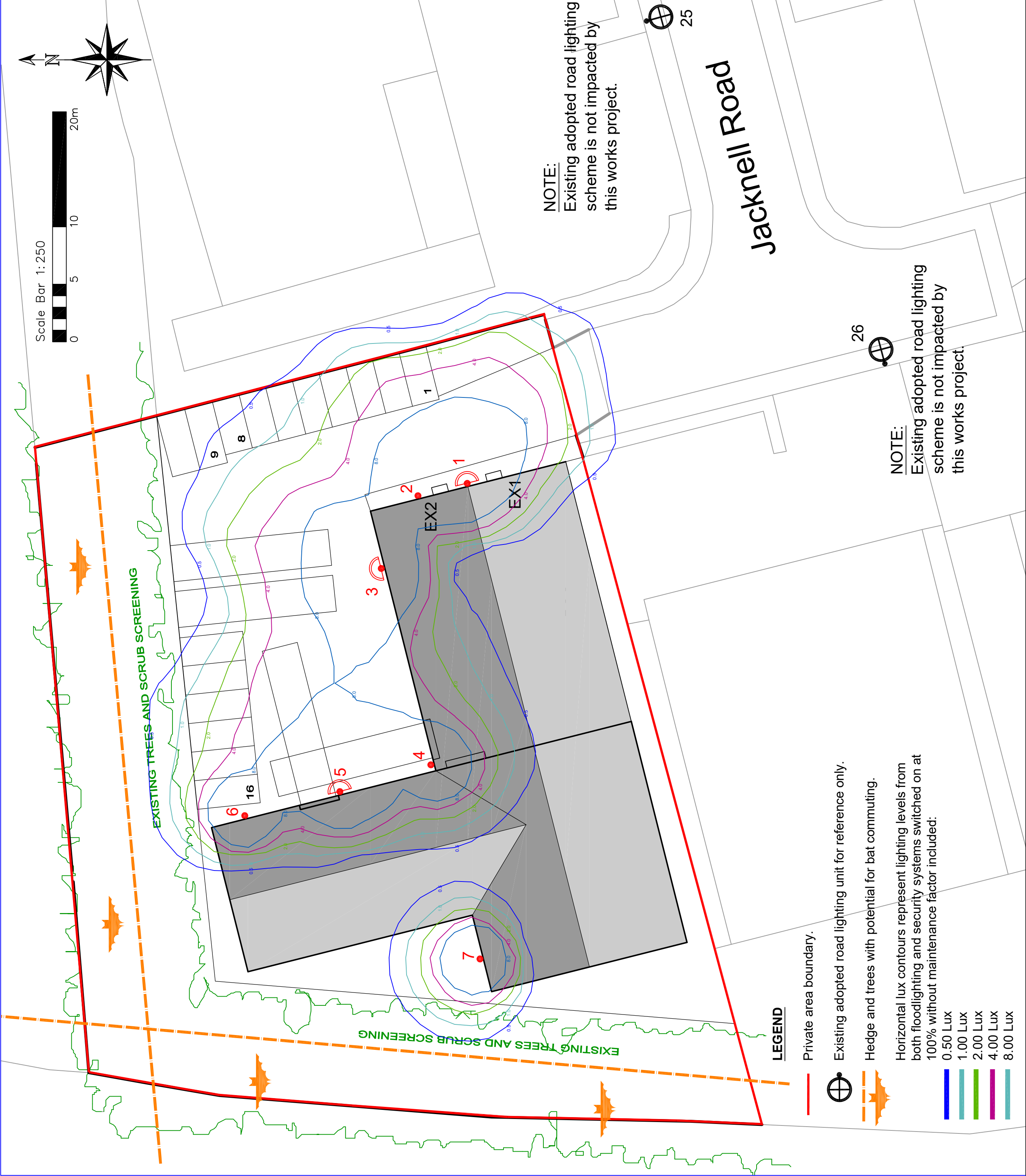




PRIVATE AREA LIGHTING SCHEDULE:

- Floodlights 1,3 & 5: Urbis Schröder manufactured NEOS floodlight gen2, size1. 20LED's, 22.5watts (2.67km), warm white (2700K). Standard aluminium grey canopy. Flat glass lens.
NEOS GEN2 1539320LED's Dv350mA VW727 22.5W Flat Glass 230V
Switching / Control: Timer for operation during hours of darkness when building is in use.
- Bulkheads 2,4,6 & 7: Gemma Lighting manufactured Porchester Hood type wall mounted luminaire. 15watts (1.10km), Extra warm white LED's (2700Klm). Black canopy Circular eyelid) complete with motion detector or down to dusk mini photocell (Client to confirm).

PRIVATE SUPPLIES:

Private lighting units to be fed from isolated private supply networks (either landlord distribution board or via mini feeder pillar).

Unit:	Type:	Mounting Height:	Location:
1	Floodlight	3.5m at +10 deg tilt	Centre of frontage
2	Bulkhead	1.7m	0.3m to East of door frame
3	Floodlight	3.5m at +10 deg tilt	5.0m from side of building
4	Bulkhead	1.7m	0.5m to East of door frame
5	Floodlight	3.5m at +10 deg tilt	1.0m to West of door frame
6	Bulkhead	1.7m	3.0m from side of building
7	Bulkhead	1.7m	3.0m from side of building

LIGHTING SCHEME NOTES:

- Any alterations to the location of lighting equipment to that as shown on this drawing must be referred to the designer to ensure compliance with lighting level requirements before installation. Any proposed changes following Planning approval should be issued to the Planning Department for review and further approval.
- Private area lighting scheme proposed target class to BS5489-1 2020: Car parking area, light traffic to achieve a minimum lighting level of 5 lux (average) when units are in full output mode.
- Landscape Architect should ensure new trees and shrubs are not planted in close proximity to new lighting, to avoid shadowing, dark areas and reduced efficiency of lighting scheme.
- This lighting scheme has been provided to address Condition 4 of Hinckley & Bosworth Borough Council Outline Planning Permission Reserved Matters (Ref:25/00589/OUT of 19/06/25).
- Bats may forage and commute along the existing hedgerows North and West of site (potential commuting route as shown by orange dashed line). Artificial lighting causes disturbance to bats at the roost, their feeding behavior and commuting routes, having a severe negative impact on their survival. This design aims to minimise the amount of illumination and light spill into the hedgerow / screening to minimise the negative effect on bats and general night time wildlife.
- Lighting equipment specified is low wattage rated which provides an adequate level of illumination for maneuvering vehicles / parking area and for the safety of pedestrians.
- The lighting scheme is split into two aspects, floodlighting for area illumination and bulkhead lanterns for localised building access safety and security. Both systems can be operated separately. Floodlighting on / off control via an astro timer; switch on during hours of darkness when the building and car park is being used - switch off when the building is not in use. Security lighting bulkheads may be switched on permanently or the use of movement detector sensor control would provide illumination when needed during hours of darkness when the building is not occupied. Implementing such control measures will minimise light pollution and spill, increase longevity of equipment and reduce power costs.
- Lantern optic settings have been optimised to provide good unit spacing's thus reducing number of units required. Light directed to efficiently illuminate areas of use, minimising light spill past site boundaries.
- Very warm white LED light at 2700k provides lower UV & blue spectrum light which minimises effect on wildlife.
- Bulkhead and floodlights are proposed at lowest height to assist in reducing light spill and visual impact. In addition these are specified as "eyelid" type to direct illumination downward avoiding upward light pollution.
- Lux contours are included on the drawing for reference. The maintenance factor has **NOT** been included in contour calculation. Consequently, contours represent highest lux levels and light spread from installation. The lighting scheme has been calculated applying a maintenance factor of 0.86. Calculation report is available for further detail.
- It is recommended that a full routine maintenance program is devised and carried out at least every 3 years. Guidance for an efficient maintenance program can be obtained from equipment manufacturer.
- All lighting and electrical equipment must be installed, labeled and tested in compliance with BS7671-18th or latest edition wiring regulations and manufacturers instruction.

NOTE: Existing externally mounted lighting units to be removed.



NEOS Floodlight

Porchester Bulkhead

HIGHWAY LIGHTING SOLUTIONS Ltd

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Bromborough, Wirral, CH62 6BY

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Project: Vortex Optical Coatings Private Area Lighting	
Location: 10 Jacknell Road Hinckley	
Drawn by: Ken Duckers	Date: 08/06/26
Checked by: Ian Buckley	Date:
Telephone: 0151 327 2424	Mob: 0787 921 7490
Scale @ A2: 1:500	Drawing No.: HLS-1018
Revision: 1 of 1 Draft 1	

DRAWING ISSUE:
FOR CLIENT APPROVAL ONLY
NOT FOR CONSTRUCTION.