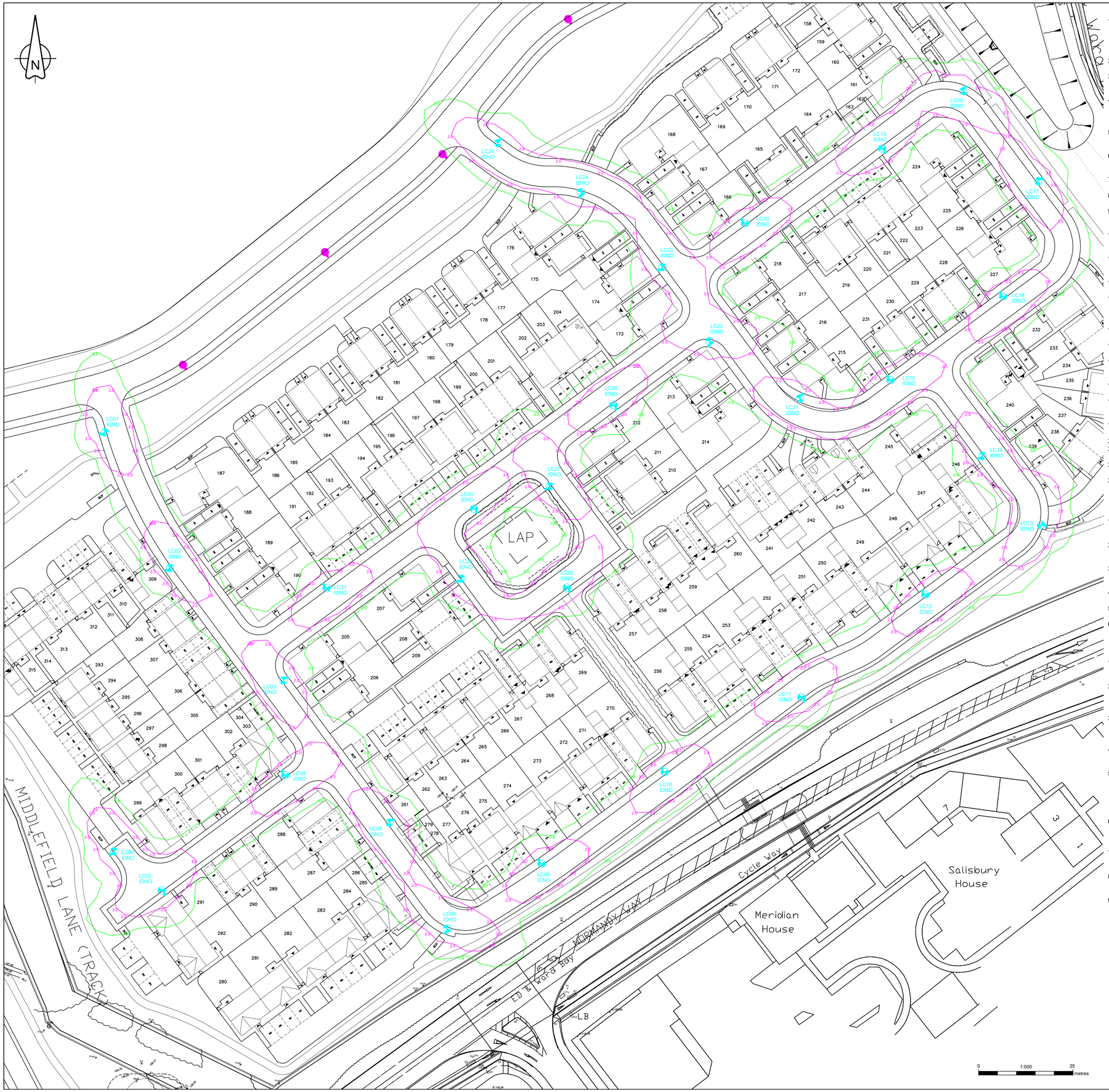


GENERAL NOTES

1. The overseeing organisation shall ensure that all drawings and associated documentation are fully coordinated and consistent prior to the commencement of any works and that all information is compatible with all drawings and documents provided by any other designer. Any inaccuracies shall be reported immediately.
2. Any discrepancies, ambiguities, or conflicts identified shall be reported immediately to SHD Lighting Consultancy Limited.
3. SHD Lighting Consultancy Limited accepts no responsibility for construction errors or omissions resulting from unreported design issues once works have commenced.
4. No substitutions of luminaires, drivers, optics, control equipment or any other technical detail shall be made without approval from SHD Lighting Consultancy Limited. Unapproved substitutions may invalidate compliance with lighting standards and design intent.
5. Lighting design information and specifications shown on this drawing does not account for installation considerations, site conditions or provides any form of risk assessment.
6. This lighting design is based on information provided at the time of production and changes to site layout and levels, landscaping, building positions or surface finishes will require reassessment.
7. The lighting design assumes that the area being assessed lies on a uniform calculation plane.
8. No allowance has been made for screening or obstruction effects caused by buildings, trees, or other structures.
9. All luminaires shall be installed, aimed, and commissioned strictly in accordance with manufacturer instructions. Incorrect tilt or rotation will invalidate the predicted lighting performance.
10. No allowance has been made for future changes in land use, vegetation growth or additional structures that may affect light levels or obtrusive light performance.
11. All photometric data used is assumed accurate as supplied by the manufacturer. SHD Lighting Consultancy Limited accepts no liability for changes to product performance after the date of design.
12. All drawings and calculations are valid only for the revision shown. Any change to site plans or product data will require recalculation.
13. Lighting columns shall be located to the rear of the footpath or verge, unless stated otherwise. If this is not possible the minimum setback distance for any lighting column to be erected from the kerb face shall be 1000mm.
14. Lighting unit positions indicated on this drawing may change due to local site or environmental constraints, subject to designer approval.
15. The planting of trees near to lighting units is to be avoided as future growth may inhibit lighting performance.
16. Any existing trees are to be cutback, removed or relocated elsewhere to avoid interference with the street lighting luminaire or prevent any future access or maintenance.
17. Horizontal clearance for any existing or proposed tree canopy must be greater than 5m from any proposed lighting columns.
18. Where wildlife or ecology constraints exist (e.g., bats), the client must ensure that all mitigation measures recommended by ecologists are implemented and maintained.
19. Electrical installation work shall be carried out in accordance with the latest edition of the IET Wiring Regulations (BS 7671).
20. Column foundation design is the responsibility of the contractor.
21. Until adoption the client is responsible for ensuring safe access for maintenance and cleaning of the luminaires.
22. The client shall pay any energy liability charges until the adoption of the lighting assets.
23. The client will be responsible, unconditionally, for the condition, operation and any risk or liability of the highways electrical equipment until the adoption of the lighting assets.

NOTES

1. All new lighting equipment to be installed in accordance with the latest Leicestershire County Council street lighting specification and standard detail drawings.
2. This drawing is not to be used for estimating, tendering, procurement or construction purposes until technical approval has been granted by Leicestershire County Council.
3. The contractor shall provide as-built drawings, test certificates and column and lantern data sheets to Leicestershire County Council street lighting department.
4. Any IDNO shall have a service level agreement in place with Leicestershire County Council prior to adoption of the installation.
5. IDNO contact details to be stored inside the base compartment of each lighting column via means of an identification label.
6. In the event that objections regarding intrusive lighting spill onto properties before the site is adopted, then light shields must be installed at the developers expense.

SERVICE SAFETY & COORDINATION REQUIREMENTS

1. The contractor shall obtain current statutory service record plans from all relevant undertakers before commencing any street lighting installation, alteration, or removal works.
2. The contractor shall assume not all existing services are shown on design drawings. Any uncharted or unidentified services discovered must be carefully located, protected, recorded, and reported to the overseeing organisation and statutory undertaker immediately.
3. Prior to starting work, the contractor shall identify all overhead electrical and communication apparatus within or adjacent to the works. Where present, the relevant undertaker shall be consulted, and written safety guidance obtained.
4. Works near overhead lines shall comply with HSE Guidance GS6 – “Avoidance of Danger from Overhead Power Lines”, including appropriate exclusion zones, barriers, and supervision.
5. All installation and removal works shall comply with: Electricity at Work Regulations 1989, Construction (Design and Management) Regulations 2015 (CDM 2015), ENA TS 43-8 (Underground Cable Laying), ENA ER G39/1 (Public Lighting Safety Code of Practice) and all applicable HSE and electrical safety regulations.
6. Works near underground mains or cables shall follow HSE Guidance HSG47 – “Avoiding Danger from Underground Services”, including verified service plans, CAT & Genny use, trial holes, and safe excavation methods.
7. The contractor shall liaise with all statutory undertakers to plan and programme any required protection, isolation, or diversion works, ensuring necessary permits and approvals are in place.
8. Any service connections shall be undertaken by, or under the supervision of, the relevant statutory undertaker in accordance with the New Roads and Street Works Act 1991 (NRSWA).
9. The contractor shall maintain accurate as-built records of all discovered or relocated services and issue updated information to the overseeing organisation at project completion.

LIGHTING CLASSIFICATION

The lighting design has been produced in accordance with:
BS 5489-1: 2020, BS EN 13201-2: 2015 and
CEN/TR 13201-1: 2014 outdoor lighting design guidelines.

Lighting classification: P5 (BS 5489-1:2020,Table A.5)

Minimum average illuminance (Eav): >3.00 lux <4.50 lux
Minimum illuminance (Emin): >0.60 lux
Lighting uniformity (Emin/Eav): >0.20 (>20%)

Qty 31 — Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base and glass flake epoxy root treatment as supplied by Fabrikat, CU Phosco, Mallatite or similar approved lighting column to Leicestershire County Council street lighting specification.

Luminaire:	ASD Lighting Highway Diamond Micro
Mounting Type:	Post top mounted at 0° tilt
Manufacturer Reference:	HWD2 #3K12 400 M1 Gen7
Lumen Output:	1.80klm
Charge Code:	42 0016 0000 100 (16w)
Colour Temperature:	Warm White (3000k)
Control Type:	Telensa Telecell CMS node incorporating GPS, to integrate into Leicestershire central management system.
Supply:	IDNO with double pole isolation
Internal Wiring:	1.5mm² artic grade cable

Proposed S38 street lighting column. Refer to ‘SHD2688-SHD-HLG-STOK-DR-EO-Lighting Layout-R1’ for technical details.

UNIT IDENTIFICATION KEY:

LC** Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:

IDNO Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):

0.60 Isolux contour line
2.00 Isolux contour line

DIMMING PROFILE

Pre-adoption

Dusk until 00:00: 100% lumen output
00:00 until 05:30: 50% lumen output
05:30 until Dawn: 100% lumen output

Post-adoption

Dusk until 00:00: 100% lumen output
00:00 until 05:30: 30% lumen output
05:30 until Dawn: 100% lumen output

Dimming and switching off luminaires is entirely the decision of Leicestershire County Council.

SHD Lighting Consultancy accept no responsibility for any actions, consequence or incidents resulting in the dimming or turning off of any luminaires.

REV	DESCRIPTION	DATE	BY
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	05/11/2026	SRH

SHD
info@shdlighting.co.uk ☎ 07834 490 192 www.shdlighting.co.uk

PROJECT:	STOKE ROAD				
DRAWING:	S38 STREET LIGHTING DESIGN				
CLIENT:	VISTRY (SOUTH EAST MIDLANDS)				
DRAWING NUMBER:	SHD3092-SHD-HLG-STOK-DR-EO-Lighting Layout-R0			DRAWN:	SRH
	SHEET 1 OF 1			CHECKED:	SRH
				APPROVED:	
CONTRACT NUMBER:	SHD3092	DATE:	05/11/2026	SCALE @ A1	1:500
				REVISION:	R0

NOT TO BE USED FOR CONSTRUCTION