



- GENERAL NOTES**
- Before construction commences, the site engineer shall ensure that all design information is mutually compatible with all other drawings and documents provided by the overseeing organisation and all drawings and documents are to be read in conjunction with one another.
 - In the event of apparent ambiguity or contradiction, SHD Lighting Consultancy Ltd and the overseeing organisation shall be notified immediately.
 - SHD Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.
 - This lighting design has been prepared in accordance with the HEMSA/HEA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 and The Construction (Design and Management) Regulations 2015 - PART 3 Health and safety duties and roles - 9. Duties of designers.

- NOTES**
- All works are to be carried out in accordance with the latest Bury Metropolitan Borough Council street lighting design specification.
 - The information on this drawing does not account for installation considerations, site conditions or provide any form of risk assessment.
 - No account is taken for the blocking effect caused by buildings, trees, etc.
 - The calculation shown by this drawing assumes that the whole area being considered is in the same plane, i.e. there are no changes in gradient or elevation.
 - Column positions indicated upon this drawing may change without prior or additional notice due to local site or environmental constraints subject to designers approval.
 - Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
 - The contractor shall liaise with the DNO in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
 - Electrical installation work shall be carried out in accordance with the requirements of the latest edition of the IET wiring regulations, BS 7671
 - Final lighting column positions shall be agreed onsite with the Bury Metropolitan Borough Council street lighting engineer.
 - Final lighting column identification numbers shall be agreed with Bury Metropolitan Borough Council street lighting engineer.
 - The planting of trees near to lighting columns is to be avoided as future growth may inhibit lighting levels. Due to the layout of the plots and associated driveways it is inevitable that there will be conflict with proposed landscaping features. Where such instances occur the lighting will take precedence in order to satisfy the requirements of the British standard.
 - The contractor shall provide Bury Metropolitan Borough Council with as-built drawings, test certificates and column and lantern data sheets in accordance with the latest Bury Metropolitan Borough Council street lighting specification.
 - Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present.
 - The minimum distance for a lighting column to be erected from the kerb face shall be 1000mm.
 - The existing highway lighting and illumination of highway infrastructure shall be maintained at all times. Therefore the disconnection, removal, installation and commissioning of any highway infrastructure shall be phased accordingly to ensure the lighting of the highway and illumination of highway infrastructure are not compromised. Temporary lighting will be required to illuminate the highway where necessary.
 - The developer will be required to pay any energy liability charges with their electricity supplier until the date of formal adoption of the lighting assets.
 - The developer will be responsible, unconditionally, for the condition, operation and any risk or liability of all the highways electrical equipment on all approved Section 38 agreement works until the date of formal adoption of the lighting assets.

- STATUTORY SERVICE NOTES**
- Current statutory service record plans should be obtained by the contractor / overseeing organisation before the commencement of any street lighting installation or removal works.
 - It should be assumed by the contractor that not all services have been identified during the design period. It is the responsibility of the contractor to ensure that all unidentified services are carefully located and reported.
 - The contractor shall identify the location of any overhead electrical or communication equipment prior to the undertaking of any onsite works. Should the presence of such equipment be identified, the contractor shall consult with the relevant statutory undertaker for further guidance.
 - Installation and Removal works should be carried out in accordance with Energy Network Association Technical Specification 43-8, Electricity at Work Regulations 1989, Construction Design and Management (CDM) 2015 & G39/1 and all other relevant Health and Safety Executive regulations.
 - All works in the vicinity of any overhead cables shall conform to the requirements of Health and Safety Executive, Guidance Note GS6 "Avoidance of danger from overhead power lines"
 - All works in the vicinity of underground mains or cables shall conform to the requirements of Health and Safety Executive, Health and Safety Guidance HGS47 "Avoiding danger from underground services" and any additional requirements specified by the relevant undertaker.
 - The contractor will be responsible for liaison with the undertakers and for programming the agreed protection and / or diversion works to any statutory undertakers apparatus into the overall works programme

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

Lighting classification: P4 (BS 5489-1:2020, Table A.5)

Minimum average illuminance (Eav): >5.00 lux <7.50 lux
Minimum illuminance (Emin): >1.00 lux
Lighting Uniformity (Emin/Eav): >0.20 (>20%)

The details provided on this drawing are subject to comments by all the relevant approving authorities or overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority or overseeing organisation.

It is to be understood that these drawings and the information shown are preliminary only and shall not be used for construction. Should the contractor commence work on site prior to obtaining technical approval, then it is entirely at their own risk and no liability shall be accepted by SHD Lighting Consultancy Ltd.

City 14		Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Mallatite to Bury Metropolitan Council Street Lighting Specification.	
Column Reference:	0106MDPT		
Luminaire Type:	Philips Digistreet Micro luminaire		
Luminaire Reference:	BGP760 DW50 6000 20LED 5.1S CLO L90 NW		
Mounting Type:	Post top mounted at 0° tilt		
Lumen Output:	6.00klm		
Charge Code:	42 0036 0000 100 (36w)		
Colour Temperature:	Neutral White (4000k)		
Luminous Intensity:	G3		
Control Gear:	DALI compatible driver		
Control Type:	Philips Citytouch CMS node		
Dimming Profile:	Dimmed to 60% lumen output		
Supply:	IDNO with double pole cutout		
Secondary Isolator:	N/A		
Internal Wiring:	Internal wiring to luminaire shall be 1.5mm² PVC insulated flexible cable.		
Door Orientation:	Perpendicular to kerb facing away from oncoming vehicles		

UNIT IDENTIFICATION KEY:
LC** Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:
IDNO Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):
0.20 Isolux contour line
1.00 Isolux contour line
2.00 Isolux contour line

RESIDUAL DESIGN HAZARDS:

The location of existing utility services to be determined on site by the contractor.
All street lighting installation works should be carried out in accordance with the relevant standards including: BS 7671, G39/1, Energy Network Association Technical Specification 43-8, HSE HSG47 and the Institution of Lighting Professionals guidance document (ILP GP03)

- Proposed tree location: Refer to Notes 11

RO	INITIAL DESIGN FOR REVIEW AND COMMENT	11/11/2024	SRH
REV	DESCRIPTION	DATE	BY
SHD info@shdlighting.co.uk 07834 490 192 www.shdlighting.co.uk			
SCHEME:	BEALEY INDUSTRIAL ESTATE,RADCLIFFE		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	WESTCHURCH HOMES		
DRAWING NUMBER:	SHD1843-SHD-HLG-BEAL-GR-ED- Lighting Layout R0	DRAWN:	SRH
	SHEET 1 OF 1	CHECKED:	SRH
CONTRACT NUMBER:	SHD1843	APPROVED:	
	DATE: 11/11/2024	SCALE @ A1:	1:500
		REVISION:	R0
PRELIMINARY DESIGN - NOT FOR CONSTRUCTION			