



LOCATION PLAN: EASTING 407458 NORTHING 376567

GENERAL NOTES

- 1. All documents shall be checked to ensure they are compatible by the contractor before construction commences.
- 2. In the event of apparent ambiguity or contradiction, SHD Lighting Consultancy Ltd and the overseeing organisation shall be notified immediately.
- 3. Before construction commences, the site engineer shall ensure that all setting out information is mutually compatible with all the drawings and documents provided by the overseeing organisation and all drawings and documents are to be read in conjunction with one another.
- 4. SHD Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.

NOTES

- 1. All drawings and documents are to be read in conjunction with one another and are mutually compatible and shall be read as such.
- 2. Any inaccuracies are to be reported to the overseeing organisation immediately.
- 3. The information on this drawing does not account for installation considerations, site conditions or provide any form of risk assessment.
- 4. It is the responsibility of the contractor to take all necessary steps to ensure that any such unidentified services are carefully located and not damaged.
- 5. 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.
- 6. Electrical installation work shall be carried out in accordance with the requirements of the latest edition of the IET wiring regulations, BS 7671
- 7. The planting of trees near to lighting columns is to be avoided as future growth may inhibit lighting levels.
- 8. 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 and no account has been taken for the blocking effect caused by buildings, trees, etc.
- 9. Final lighting unit positions shall be agreed onsite with the overseeing organisation.
- 10. Lighting unit foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present.
- 11. Before construction commences, the site engineer shall ensure that all setting out information is mutually compatible with all the drawings and documents provided by the designers.
- 12. Lighting unit positions indicated upon this drawing may change without prior or additional notice due to local site or environmental constraints subject to designers approval.

STATUTORY SERVICE NOTES

- 1. Current statutory service record plans should be obtained by the contractor / overseeing organisation before the commencement of any street lighting installation or removal works.
- 2. All services are to be located and identified prior to installing or removing any lighting columns.
- 3. 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.
- 4. 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"
- 5. 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.
- 6. 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

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)

- 1. Overhead high voltage electricity cable



Mounted on 4m CCTV masts
Luminaire: Thorn Areaflood Pro
Mounting Type: Post top mounted on stirrup bracket
Manufacturer Ref: AFP S 24 L 35 T27 A4W
Lumen Output: 4.40klm
Luminaire Wattage: 26w
Colour Temperature: Warm White (2700k)
Luminaire Tilt Inclination: 0°

Control Type: Motion sensor (<3 minute duration)
Zhaga socket to be installed with PIR motion sensor.

Supply: To be confirmed by others

UNIT IDENTIFICATION KEY

FL** Floodlighting column identification number

ISOLUX CONTOUR KEY

- 0.20 Isolux contour line
- 1.00 Isolux contour line
- 2.00 Isolux contour line

Isolux contour lines shown represent a 'day one' installation absolute worst case scenario with a luminaire maintenance factor as 1.00.
This maintenance factor does not take into consideration LED lumen degradation, luminaire driver depreciation or luminaire lens grime and weathering.



THORN AREAFLOOD PRO 2 LUMINAIRE

R1	CHANGED LUMINAIRE MODEL, REVISED COLUMN POSITIONS	18/02/2025	SRH
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	18/10/2024	SRH
REV	DESCRIPTION	DATE	BY



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SCHEME:	BUXTON ROAD BESS SITE		
DRAWING:	LIGHTING SPILL DRAWING		
CLIENT:	GREENERGY		
DRAWING NUMBER:	SHD1812-SHD-HLG-BUXT-DR-EO- Lighting Spill R1	DRAWN:	SRH
	SHEET 1 OF 1	CHECKED:	SRH
CONTRACT NUMBER:	SHD1812	APPROVED:	
	DATE: 18/10/2024	SCALE @ A1:	1:500
		REVISION:	R1
PRELIMINARY DESIGN - NOT FOR CONSTRUCTION			

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.