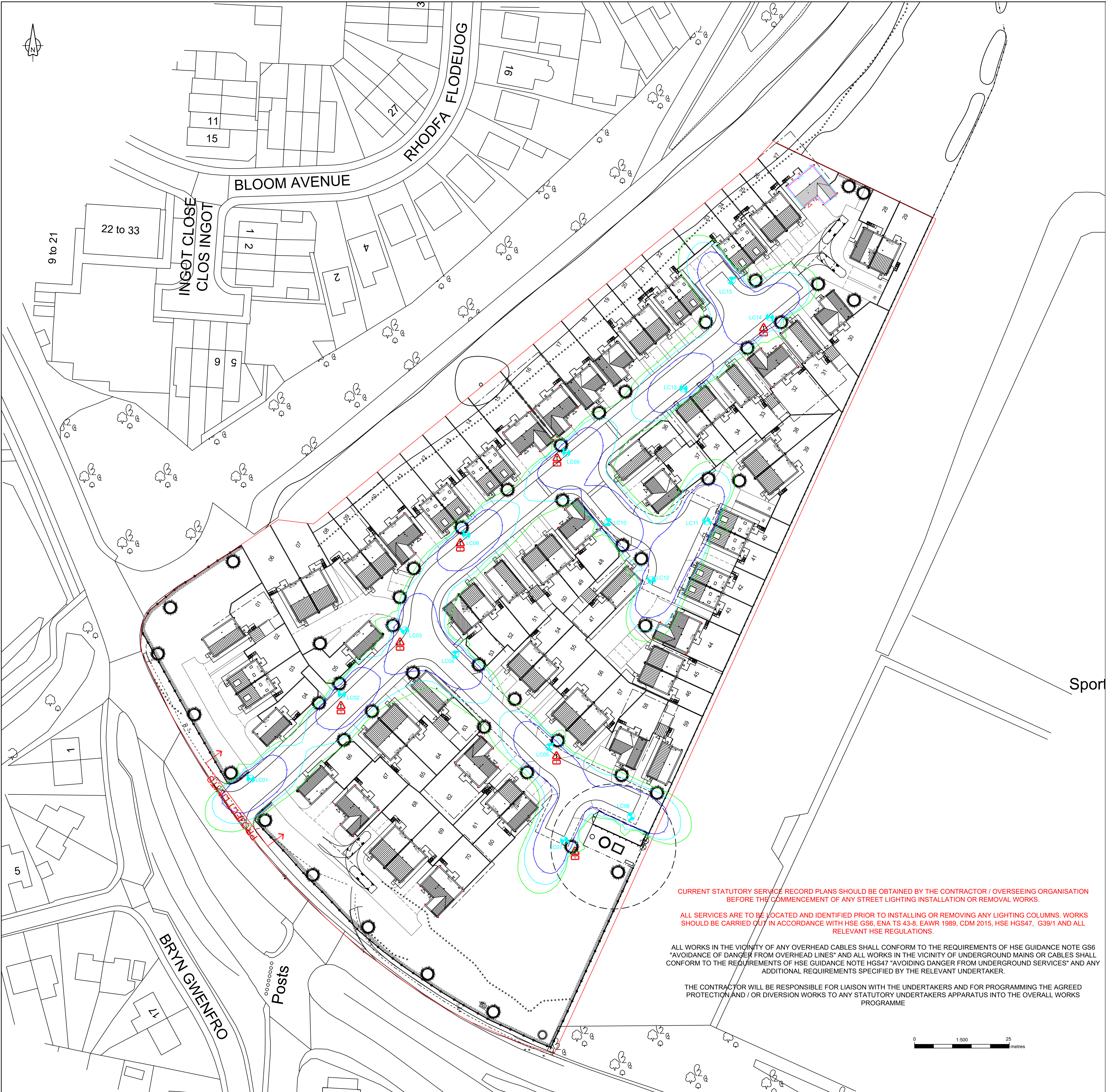




CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR / OVERSEEING ORGANISATION BEFORE THE COMMENCEMENT OF ANY STREET LIGHTING INSTALLATION OR REMOVAL WORKS.

ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING OR REMOVING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSE GS6, ENA TS 43-8, EAWR 1989, CDM 2015, HSE HGS47, G39/1 AND ALL RELEVANT HSE REGULATIONS.

ALL WORKS IN THE VICINITY OF ANY OVERHEAD CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE GS6 "AVOIDANCE OF DANGER FROM OVERHEAD LINES" AND ALL WORKS IN THE VICINITY OF UNDERGROUND MAINS OR CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE 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

GENERAL NOTES

- All documents shall be checked to ensure they are compatible by the contractor before construction commences. In the event of apparent ambiguity or contradiction, the designer shall be notified immediately.
- SHD Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.
- 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 and all drawings and documents are to be read in conjunction with one another.
- This 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.
- Current statutory service record plans should be obtained by the contractor / overseeing organisation before commencement of any street lighting installation or removal works.
- Allowance for the presence of any existing or proposed statutory services, appropriate protection and/or diversion measures are to be put in place by the contractor (unless stated otherwise) where statutory services are found to be within the area of street lighting installation or removal works.
- All statutory consents, opening notices etc. as required under Highways Acts are to be obtained by the contractor prior to commencement of the works. The contractor should confirm the location of all statutory services and plant by hand dug trial trenches prior to commencing any works.
- All services are to be located and identified prior to installing or removing any lighting columns. works should be carried out in accordance with HSE GS6, ENA 43-8, HSE HGS47, G39/1 and all relevant HSE regulations
- The contractor is responsible for ensuring that all advance notices are in place and traffic management agreed for the works prior to commencing. The contractor is to make allowance for the advance provision of all electrical works and equipment for street lighting within their programme of works. All works are to be inspected by the overseeing organisation as applicable.
- All materials to comply fully with the overseeing organisation specifications or design brief.
- All materials to be agreed with the overseeing organisation or site representative prior to ordering.

Lighting Column:	
Proposed galvanised tubular heavy duty steel lighting column of 6.0 metre nominal height with a planted base as supplied by CU Phosco	
Qty	15
Column Reference:	RZ506T01H5030
Luminaire:	Vision Illumination Valiant
Mounting Type:	Post top mounted
Manufacturer Ref:	LKD-VAL-105050SP
Lumen Output:	1.63km
UMSUG Code:	42 0010 0000 100
Luminaire Wattage:	10w
Colour Temperature:	Neutral White (4000k)
Luminaire Tilt:	0°
Luminous Intensity:	G2
Control Gear:	DALI enabled electronic driver
Control Type:	Lucy Zodion SS6 PECU (20lux 1:1)
Dimming Profile:	N/A
Supply:	DNO electrical supply connection
Primary Isolator:	DNO approved double pole isolator
Secondary Isolator:	Lockable double pole isolator incorporating a 32A DP switch and BS88-2 6A HRC fuse
Internal Wiring:	Wiring to luminaire shall be 1.5mm² PVC flexible cable
Earthing:	10mm² tri-rated cable to be used as the CPC within base compartment

UNIT IDENTIFICATION KEY:

LC** Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:

DNO Proposed DNO supply connection

ISOLUX CONTOUR KEY:

- 0.60 Isolux contour line
- 1.00 Isolux contour line
- 2.00 Isolux contour line

Any proposed trees are to be relocated elsewhere to prevent interference with any proposed street lighting luminaires or may prevent future maintenance.

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

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

S/P ratio of light source: N/A

Luminaire maintenance factor: 0.80

Required lighting levels:
Minimum maintained average illuminance (Eav): >3.00 lux <4.50 lux
Minimum illuminance (Emin): >0.60 lux
Emin/Eav (uniformity): >0.20 (>20%)

The details provided on this drawing and other supporting lighting design documents are subject to comments by all the relevant approving bodies or the overseeing organisation.

No construction works shall take place until technical approval has been obtained by the approving bodies or the overseeing organisation.

It is to be understood that this drawing and other supporting lighting design documents and the information contained 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.

RD	INITIAL DESIGN FOR REVIEW AND COMMENT	21/01/2021	SRH
REV	DESCRIPTION	DATE	BY

SHD
OUTDOOR LIGHTING CONSULTANCY

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SCHEME:	OFF HERITAGE WAY, WREXHAM		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD184-SHD-HLG-HERI-DR-EQ-R0	DRAWN:	SRH
	SHEET 1 OF 1	CHECKED:	SRH
CONTRACT NUMBER:	SHD184	APPROVED:	
	DATE: 21/01/2021	SCALE @ A1	1:500
		REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION