NOTES:
ALL DIMENSIONS TO BE CHECKED AND CONFIRMED ON SITE PRIOR TO ANY WORKS OR FABRICATION.

DO NOT SCALE OFF THIS DRAWING.

ANY ERRORS, OMISSIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF MUNRO ASSOCIATES IMMEDIATELY.

mobile phone tower

Llangollen Road

SN1

ST8

2,4m x 25m visibility splay

2,4m x 25m visibility splay

Capped Mine Shaft

SP6

Electric Substation

Tactile crossing

Wynnstay Lane

SN3

LEGEND

Integrated woodcrete bat tubes installed into south or west facing external walls at least 3m above the ground

Woodcrete sparrow terraces with double brood chamber installed beneath the eaves at least 2,5m above the ground.

Woodcrete swift boxes installed into north facing gable walls at least 5m above the ground.

House Martin cups installed beneath the eaves at least 2m above the ground.

WALL MOUNTED SECURITY LIGHT
Low lux LED security lighting, PIR sensor-activated and fitted with cowl to direct light below the horizontal plane. Wall mounted max 2.2m above ground level.
Fittings to be: ASD Clarity Portrait Premium Opal C2P /BLP4LED600P LED External PIR Security Lights.

STREET LIGHTING
To be read in conjunction with separate Street Lighting designs and lux plans.

Street lighting column 6m high.
Lantern: Vision Lockhead 12w LED
Cell: Nema cell 35/18 lux

Street lighting column 4.5m high.
Lantern: Vision Solaris off grid solar lantern

NOTES:

Bat Conservation Trust (2018) Bats and artificial lighting in the UK. *Bats and the Built Environment series*, Guidance Note 08/18. Institution of Lighting Professionals.

- Hedgerows and key habitat features including mature trees on the site will not be illuminated in order to retain dark movement corridors for nocturnal wildlife.
- Any exterior security or decorative lights to be installed on the development site will be less than 3 m from the ground and fitted with hoods to direct the light below the horizontal plane, at an angle of less than seventy degrees from vertical, and shall not be fixed to, or directed at, bat boxes or gables or eaves.
- Security lighting will be set on motion sensors with short timers (<1 minute) and will be LED with a passive infrared trigger.
- Lighting must be less than 3 lux at ground level and there shall be no light splay exceeding 1 lux along buildings, eaves or roof or adjacent hedgerows or trees.
- External lights will be hooded and directed toward the ground to reduce upward light spill.
- A warm white spectrum will be adopted throughout the scheme to reduce blue light component (<2700Kelvin).
- Internal luminaires will be recessed where installed in proximity to windows to reduce glare and light spill. LED luminaires will be used internally where possible due to their sharp cut-off, lower intensity, and dimming capability.
- Luminaires will always be mounted horizontally with an upward light ratio of 0%.

REV	DATE	DESCRIPTION	BY
B	15.05.25	Lighting notes updated.	PO
A	30.07.24	Road radius opposite plot 11 increased to 15m. Construction issue.	PO

Drawing Status
CONSTRUCTION

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Client
Castlemead Group Limited

Project
Proposed Residential Development
Site at Wynnstay Park
Ruabon
Wrexham

Scale
1:250 @ A1

Date
June 2024

Drawn
P. Oliver

Drawing Title
Proposed Site Plan (Bat & Bird Boxes and External Lighting)

Project No.	Drawing No.	Revision
24.269	1004	B

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