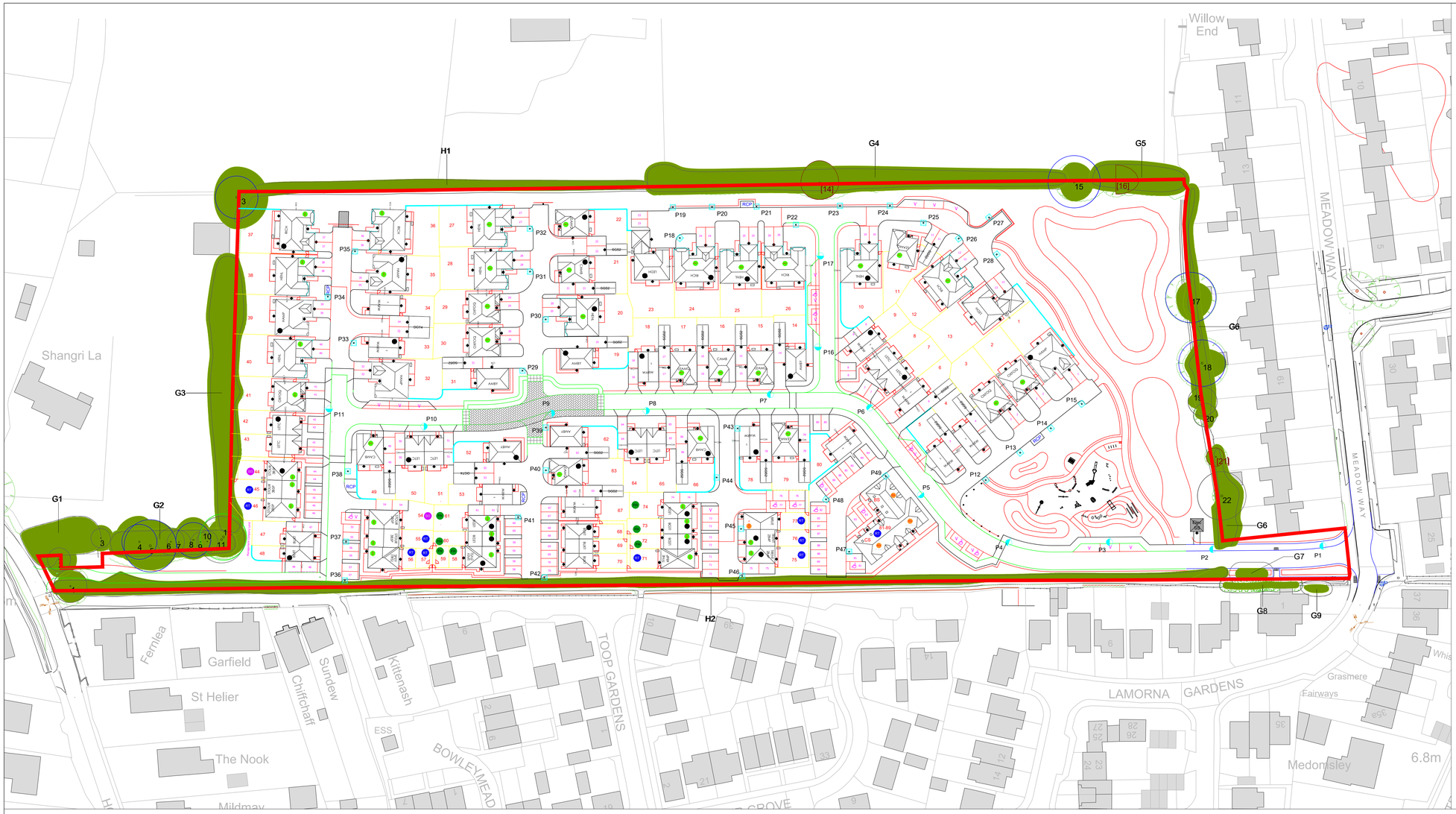

KEY:

Qty: 13 — Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base including root protection. Supplied by DW Windsor and to be painted black (RAL9005).

Luminaire Type:	DW Windor Kirium Pro Mini LED
Luminaire Reference:	DW Windsor Kirium Pro Mini 16 LED A1 optic 300mA 3000K complete with 7 Pin Nema socket
Mounting Type:	Post Top Mounted
Luminaire Tilt:	0°
Lumen Output:	2.40 klm
Charge Code:	42 0015 0000 100
Luminaire Wattage:	15w
Colour Temperature:	Warm White 3000K
Control Gear:	Philips LED Driver
Control Type:	Lucy Zodion SS6 Nema photocell switching at 20:20 lux
Dimming Profile:	N/A
Supply:	DNO/IDNO Electrical Supply Connection
Primary Isolator:	Approved Double Pole Cut Out as supplied by Lucy Zodion or Tofco
Secondary Isolator:	16A Double Pole Isolator as supplied by Lucy Zodion or Tofco
Internal Wiring:	Wiring to luminaire shall be 1.5mm² PVC insulated flexible cable
Door Orientation:	Facing towards oncoming traffic

Qty: 36 — Proposed DW Windsor Pharola MAX PM1 LED bollard of 1.0 metre nominal height with a planted base. Supplied by DW Windsor and to be painted black (RAL9005).

Rear backshield to be specified and installed to all proposed bollards to prevent light spill onto hedgerows / boundary vegetation for the protection of bats. The effect of a back shield cannot be added to a lighting reality calculation. This is in reference to the Bat Conservation Trust/ILP Guidance Note 08/18.

Luminaire Type:	DW Windor Pharola Max PM1 LED Bollard
Luminaire Reference:	DW Windsor Pharola Max PM1 LED Bollard, 700mA drive current and 3000K colour temperature
Mounting Type:	N/A
Luminaire Tilt:	0°
Lumen Output:	1.20 klm
Charge Code:	42 0015 0000 100
Luminaire Wattage:	15w
Colour Temperature:	Warm White 3000K
Control Gear:	Tridonic LED Driver
Control Type:	Westire Technology - SELC 45-18 Solar Timer
Dimming Profile:	N/A
Supply:	DNO/IDNO Electrical Supply Connection
Primary Isolator:	Approved Double Pole Cut Out as supplied by Lucy Zodion or Tofco
Secondary Isolator:	16A Double Pole Isolator as supplied by Lucy Zodion or Tofco
Internal Wiring:	Wiring to luminaire shall be 1.5mm² PVC insulated flexible cable
Door Orientation:	Facing towards oncoming traffic

NOTES

1. This drawing is to be used in conjunction with the accompanying lighting reality report and design risk assessment.
2. The information on this drawing does not account for installation considerations, site conditions or provide any form of risk assessment.
3. No account is taken for the blocking effect caused by buildings,trees, etc.
4. 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.
5. Column positions indicated upon this drawing may change without prior or additional notice due to local site or environmental constraints subject to designers approval.
6. Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
7. Electrical installation work shall be carried out in accordance with the requirements of the latest edition of the IET wiring regulations, BS 7671.
8. Installations shall be carried out in accordance with Chapter 8 safety at street works and road works code of practice.
9. The minimum distance for a lighting column to be erected from the kerb face in a service strip shall be 800mm
10. The contractor shall liaise with the DNO and in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
11. 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.
12. 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.
13. Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present.
14. The developer will be required to pay any energy liability charges with their electricity supplier until the date of formal adoption of the development.
15. 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.
16. Any alterations to the positions of columns and associated equipment shown on this drawing must be referred to the designer to ensure compliance with lighting level requirements before installation.
17. Setting out should be conducted by a competent person.
18. Columns to be planted at back of footpath.
19. Column doors to face perpendicular to the kerb.
20. Ensure the correct orientation of lantern to road kerb line
21. Column numbering as detailed on the drawing is for reference only. Numbers to be affixed to columns in accordance with local authority specification

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

GENERAL NOTES

1. 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.
2. In the event of apparent ambiguity or contradiction, Mark Kenny Lighting Consultancy Ltd and the overseeing organisation shall be notified immediately.
3. Mark Kenny Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.
4. 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.

Rev	Description	Date	Drawn	Approved

MARK KENNY LIGHTING CONSULTANCY LTD
173 COLLEGE ROAD
CROSBY
MERSEYSIDE
L23 1AT

Email: mark@mklconsultancy.co.uk Tel: 07824 442 725
Web: www.mklconsultancy.co.uk

Scheme
HOOK MEADOW DEVELOPMENT
WESTERGATE

Drawing Title
PROPOSED STREET LIGHTING LAYOUT
REVISION 5

Client: REDROW HOMES

Designed	Drawn	Checked	Date
MK	MK	MK	JAN 2025

Drawing No.	Rev.	Scale
MKL060-PLD-HOOK	R5	1:500@A1