

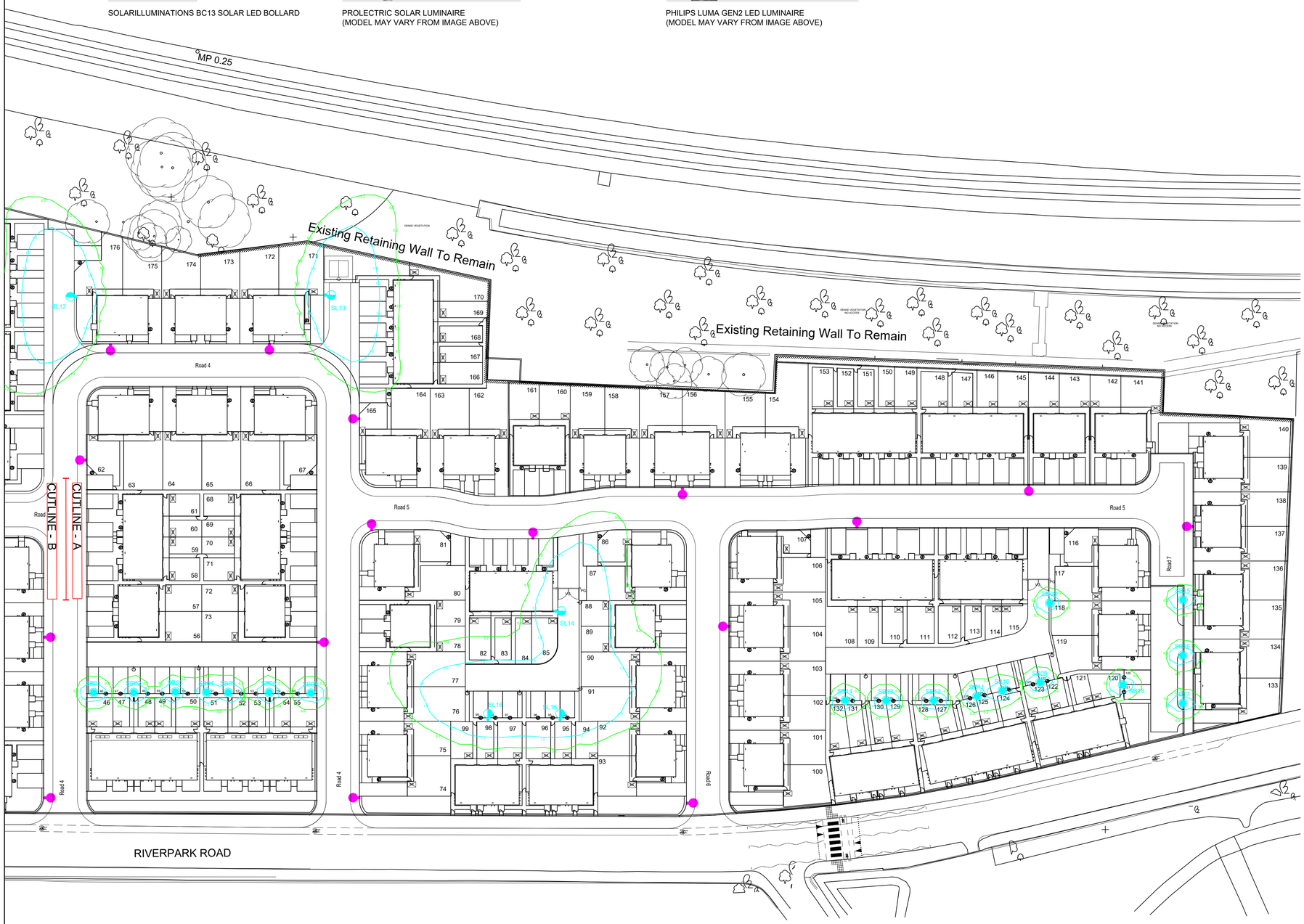
SOLARILLUMINATIONS BC13 SOLAR LED BOLLARD



PROLECTRIC SOLAR LUMINAIRE
(MODEL MAY VARY FROM IMAGE ABOVE)



PHILIPS LUMA GEN2 LED LUMINAIRE
(MODEL MAY VARY FROM IMAGE ABOVE)



0 25 metres

0 1:500 25 metres

GENERAL NOTES

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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.

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STATUTORY SERVICE NOTES

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It is recommended that any EV charger must have a PEN fault protection device installed.

Any private street lighting cabling to be installed in separate ducting to any EV cables.

Qty 16 — Proposed galvanised **HEAVY DUTY** tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Mallatite, CU Phosco, Fabrikat, Stainton or equivalent specification. Check with column manufacturer to ensure column and foundations are suitable for the weight and windage of the solar luminaires including solar panel.

Luminaire Type:	Prolectric Solar
Luminaire Reference:	RS10-T2/10W/4000K
Mounting Type:	Post top mounted at 22° tilt **Solar panel must be south facing**
Lumen Output:	1.78klm
Luminaire Wattage:	10w
Colour Temperature:	Neutral White (4000k)
Control Type:	Solar panel controls on/off times

Qty 6 — Proposed mid-hinged galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Mallatite.

Luminaire:	Philips Luma Gen2 Micro
Mounting Type:	Post top mounted at 0° tilt
Manufacturer Reference:	BGP702 DW50 3000 40LED 5.2S CLO L90 740
Lumen Output:	3.00klm
Charge Code:	42 0017 0000 100 (17w)
Colour Temperature:	Neutral White (4000k)
Luminous Intensity:	G3
Control Type:	Lucy Zodion ZCELL 20lux (1:1)
Dimming Profile:	100% lumen output
Supply:	Landlord electrical supply
Primary Isolator:	Lucy Zodion 32A double pole switch with BS 88 6A HRC fuse to luminaire
Internal Wiring:	1.5mm² flexible artic grade cable
Door Orientation:	Perpendicular to kerb facing away from oncoming vehicles

Qty 18

Bollard:	Solarilluminations BC13 Solar LED Bollard Light supplied in factory applied black (RAL 9005) powder coat finish
Mounting Type:	Flange plate
Lumen Output:	0.10klm
Supply:	None required

Proposed S38 street lighting column.
Refer to 'SHD2269-SHD-HLG-RIVE-DR-EO-Lighting Layout-R0' for technical details.

Indicates direction of travel of raise/lower lighting column.

Proposed 450mm x 450mm composite modular chamber to provide duct access complete with lockable heavy duty cover and frame denoted 'STREET LIGHTING' on cover.

Proposed 6mm² XLPE/SWA/PVC 3 core cable with copper conductors, laid in 100mm orange UPVC ducting denoted with 'STREET LIGHTING' at 1000mm intervals diametrically opposed, laid in trench, depth to invert to be minimum 450mm in footway and minimum 750mm in carriageway.

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ELECTRICAL CONNECTION TYPE

T** Private cable termination type:
Refer to SHD2271-SHD-HEL-RIVE-DR-EO-Electrical-R0

UNIT IDENTIFICATION KEY:

SL** Proposed solar lighting column identification number
PR** Proposed private lighting column identification number
SB** Proposed solar bollard identification number

ISOLUX CONTOUR KEY:

0.20 Isolux contour line
1.00 Isolux contour line

REV	DESCRIPTION	DATE	BY
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	23/07/2025	SRH

SHD
info@shdlighting.co.uk ☎ 07834 490 192 www.shdlighting.co.uk

SCHEME:	OFF RIVERPARK ROAD, MANCHESTER
DRAWING:	PRIVATE LIGHTING DESIGN
CLIENT:	KELLEN HOMES
DRAWING NUMBER:	SHD2171-SHD-HLG-RIVE-DR-EO-Lighting Layout-R0 — SHEET 1 OF 3
DRAWN:	SRH
CHECKED:	SRH
APPROVED:	
CONTRACT NUMBER:	SHD2171
DATE:	23/07/2025
SCALE @ A1	1:500
REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION

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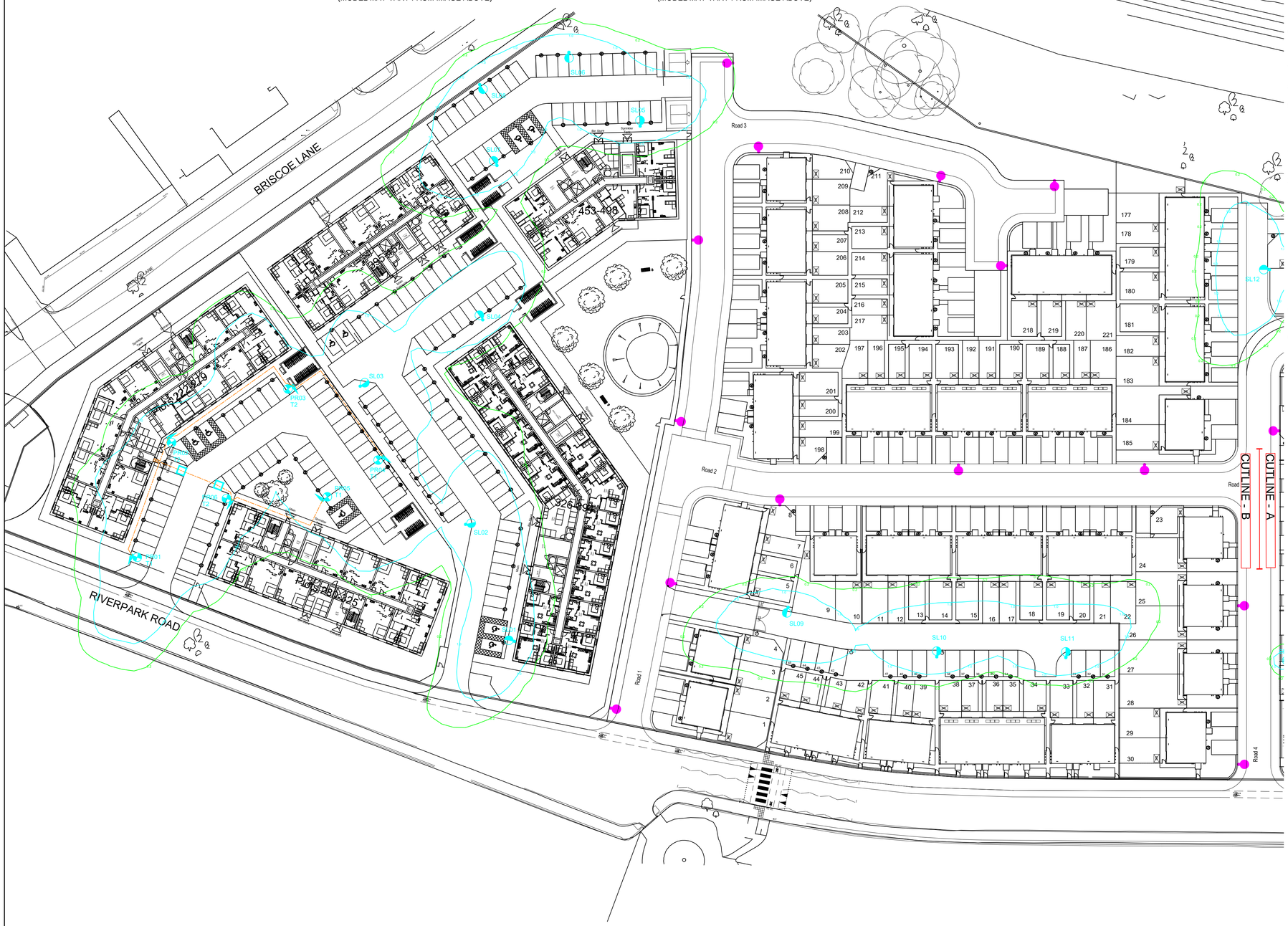
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0 1:500 25 metres

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Luminaire Type:	Prolectric Solar
Luminaire Reference:	RS10-T2/10W/4000K
Mounting Type:	Post top mounted at 22° tilt **Solar panel must be south facing**
Lumen Output:	1.78klm
Luminaire Wattage:	10w
Colour Temperature:	Neutral White (4000k)
Control Type:	Solar panel controls on/off times

Qty 6 — Proposed mid-hinged galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Mallatite.

Luminaire:	Philips Luma Gen2 Micro
Mounting Type:	Post top mounted at 0° tilt
Manufacturer Reference:	BGP702 DW50 3000 40LED 5.2S CLO L90 740
Lumen Output:	3.00klm
Charge Code:	42 0017 0000 100 (17w)
Colour Temperature:	Neutral White (4000k)
Luminous Intensity:	G3
Control Type:	Lucy Zodion ZCELL 20lux (1:1)
Dimming Profile:	100% lumen output
Supply:	Landlord electrical supply
Primary Isolator:	Lucy Zodion 32A double pole switch with BS 88 6A HRC fuse to luminaire
Internal Wiring:	1.5mm² flexible artic grade cable
Door Orientation:	Perpendicular to kerb facing away from oncoming vehicles

Qty 18 — Bollard: Solarilluminations BC13 Solar LED Bollard Light supplied in factory applied black (RAL 9005) powder coat finish

Mounting Type:	Flange plate
Lumen Output:	0.10klm
Supply:	None required

Proposed S38 street lighting column.
Refer to 'SHD2269-SHD-HLG-RIVE-DR-EO-Lighting Layout-R0' for technical details.

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REV	DESCRIPTION	DATE	BY
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DRAWN:	SRH
CHECKED:	SRH
APPROVED:	
CONTRACT NUMBER:	SHD2171
DATE:	23/07/2025
SCALE @ A1	1:500
REVISION:	R0

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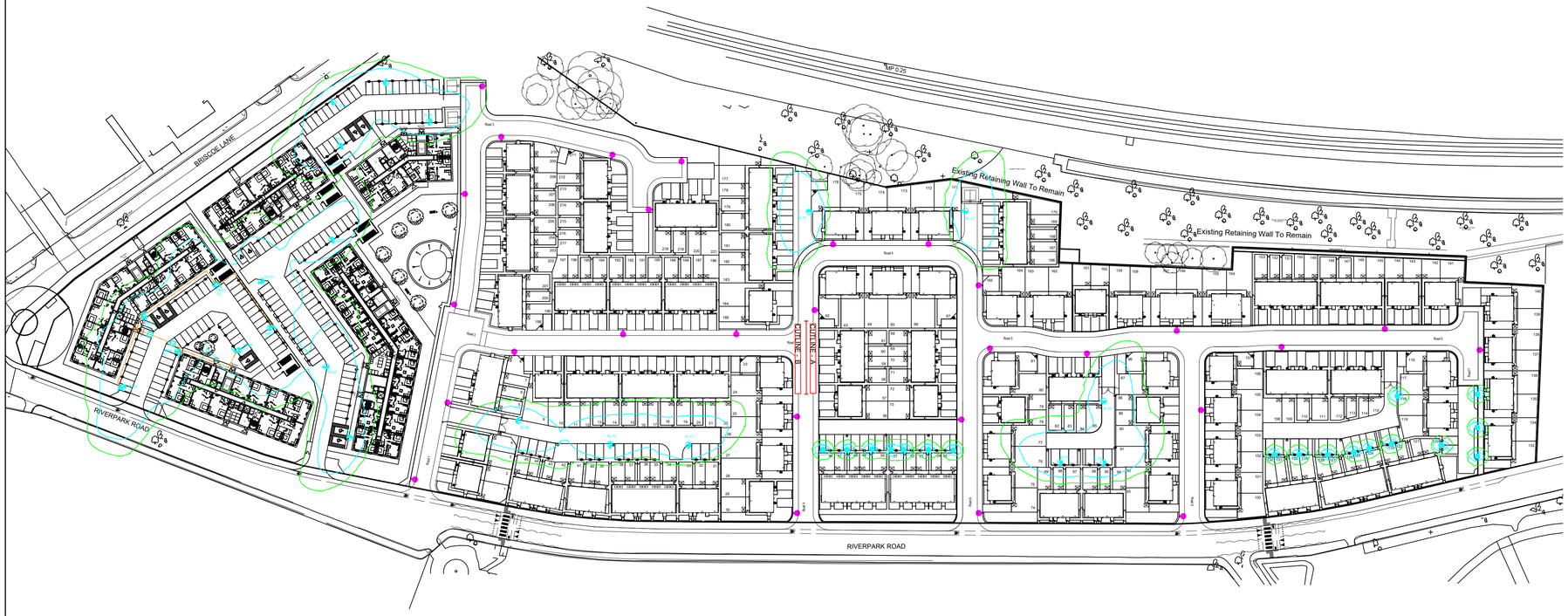
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0 1:1000 50 metres

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Control Type:	Solar panel controls on/off times

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Mounting Type:	Post top mounted at 0° tilt
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Colour Temperature:	Neutral White (4000k)
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Control Type:	Lucy Zodion ZCELL 20lux (1:1)
Dimming Profile:	100% lumen output
Supply:	Landlord electrical supply
Primary Isolator:	Lucy Zodion 32A double pole switch with BS 88 6A HRC fuse to luminaire
Internal Wiring:	1.5mm² flexible artic grade cable
Door Orientation:	Perpendicular to kerb facing away from oncoming vehicles

Qty 18

Bollard:	Solarilluminations BC13 Solar LED Bollard Light supplied in factory applied black (RAL 9005) powder coat finish
Mounting Type:	Flange plate
Lumen Output:	0.10klm
Supply:	None required

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	SHEET 3 OF 3		CHECKED:	SRH
			APPROVED:	
CONTRACT NUMBER:	SHD2171	DATE: 23/07/2025	SCALE @ A1	1:1000
			REVISION:	R0

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