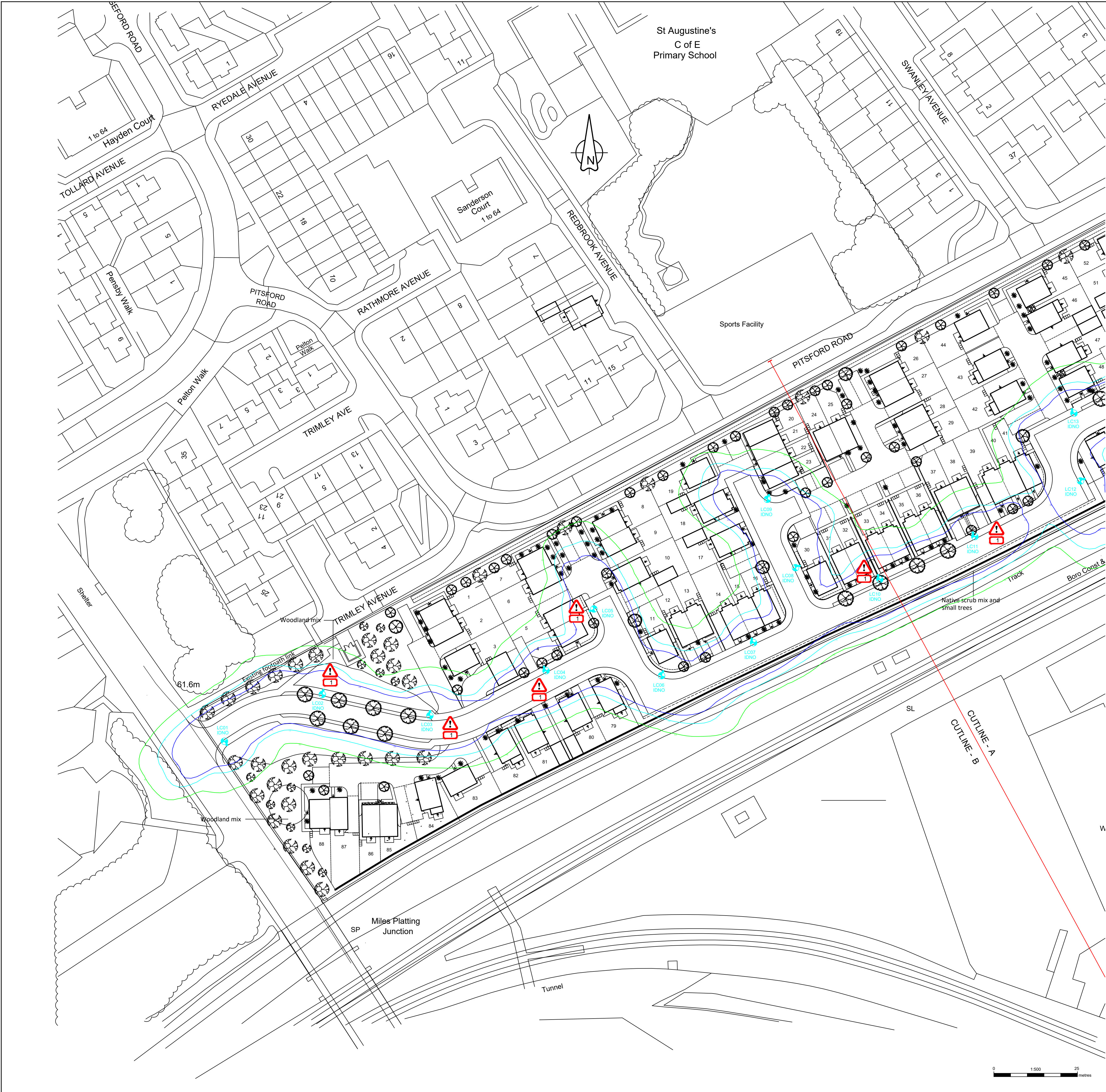




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**LIGHTING CLASSIFICATION**  
This lighting design has been produced in accordance with:  
BS 5489-1:2020, CEN/TR 13201-1:2014 & BS EN 13201-2:2015 outdoor lighting documents and guidelines.

Lighting classification: P4 (BS 5489-1:2020, Table A.5)

Minimum average illuminance (Eav): >5.00 lux <7.50 lux  
Minimum illuminance (Emin): >1.00 lux  
Lighting Uniformity (Emin/Eav): >0.20 (>20%)

**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)

- Refer to Notes 14 & 15

|                         |                                                                         |
|-------------------------|-------------------------------------------------------------------------|
| Column Reference:       | B0004/9                                                                 |
| Luminaire:              | Philips Luma Gen2 Micro                                                 |
| Mounting Type:          | Post top mounted at 0° tilt                                             |
| Manufacturer Reference: | BGP702 DW50 4000 20LED 5.2S CLO L90 730                                 |
| Lumen Output:           | 4.00klm                                                                 |
| Charge Code:            | 42 0024 0000 100 (24w)                                                  |
| Colour Temperature:     | Warm White (3000k)                                                      |
| Luminous Intensity:     | G3                                                                      |
| Control Gear:           | DALI enabled dimmable driver                                            |
| Control Type:           | Philips Citytouch Central Management System (CMS) node (35/18 lux)      |
| Dimming Profile:        | CMS controlled to 90% lumen output                                      |
| Supply:                 | IDNO with double pole isolation                                         |
| Secondary Isolator:     | Lucy Zodion isolator with 32A double pole switch & BS88 6A to luminaire |
| Internal Wiring:        | Internal wiring to luminaire shall be 1.5mm² 3 core artic grade cable   |
| Door Orientation:       | Perpendicular to kerb facing away from oncoming vehicles                |

|                                              |                                                      |
|----------------------------------------------|------------------------------------------------------|
| <b>UNIT IDENTIFICATION KEY:</b>              | Proposed lighting column identification number       |
| <b>ELECTRICAL CONNECTION TYPE:</b>           | Independent distribution network operator connection |
| <b>ISOLUX CONTOUR KEY (AT GROUND LEVEL):</b> |                                                      |
|                                              | 0.20 Isolux contour line                             |
|                                              | 0.60 Isolux contour line                             |
|                                              | 1.00 Isolux contour line                             |
|                                              | 2.00 Isolux contour line                             |

R1

INCREASED LUMINAIRE LUMEN OUTPUT, ADDED DIMMING

30/01/2026

SRH

R0

INITIAL DESIGN FOR REVIEW AND COMMENT

24/06/2025

SRH

REV

DESCRIPTION

DATE

BY

SHD

info@shdlighting.co.uk

07834 490 192

www.shdlighting.co.uk

PROJECT:

PITSFORD ROAD, MANCHESTER

DRAWING:

STREET LIGHTING DESIGN

CLIENT:

BELLWAY HOMES (MANCHESTER)

DRAWING NUMBER:

SHD2225-SHD-HLG-PTS-DR-ED- Lighting Layout R1

SHEET 1 OF 3

DRAWN:

SRH

CHECKED:

SRH

APPROVED:

CONTRACT NUMBER:

SHD2225

DATE:

24/06/2025

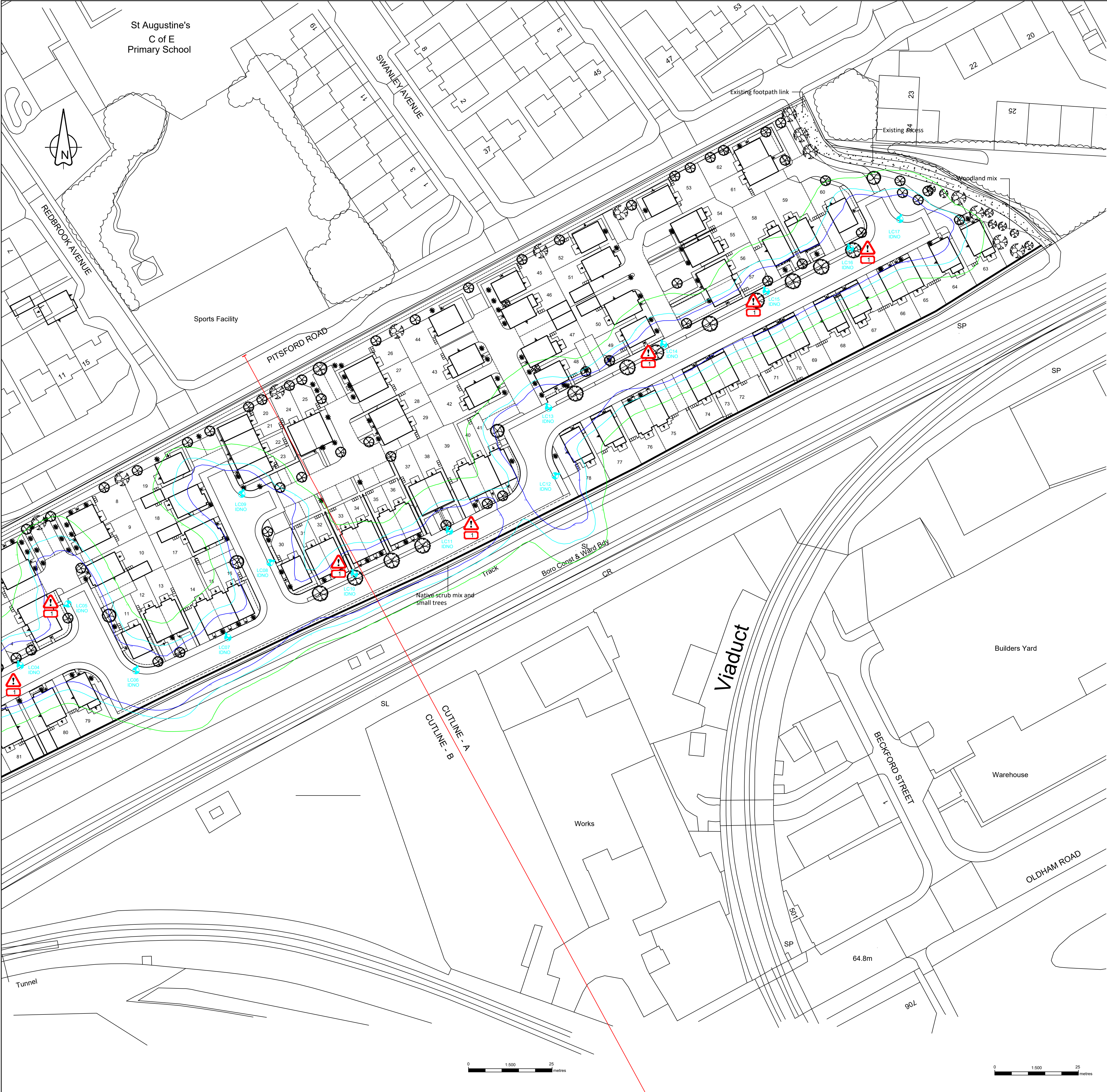
SCALE @ A1

1:500

REVISION:

R1

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION



- GENERAL NOTES**
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  - This lighting design has been prepared in line with HEMSA/HEA CDM2015 Guidance Note (Issue 1.1, dated 09/04/15, Procedure 2) and complies with CDM Regulations 2015, Part 3, Regulation 9 – Duties of Designers.

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  - Lighting columns shall be located to the rear of the footpath or verge, unless stated otherwise. If not possible the minimum setback for any lighting column to be erected from the kerb face shall be 450mm as per Manchester City Council standard detail SL8.
  - 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.
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**LIGHTING CLASSIFICATION**  
This lighting design has been produced in accordance with:  
BS 5489-1:2020, CEN/TR 13201-1:2014 & BS EN 13201-2:2015 outdoor lighting documents and guidelines.

Lighting classification: P4 (BS 5489-1:2020, Table A.5)

Minimum average illuminance (Eav): >5.00 lux <7.50 lux  
Minimum illuminance (Emin): >1.00 lux  
Lighting Uniformity (Emin/Eav): >0.20 (>20%)

**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. Refer to Notes 14 & 15

|                                                                                                                                                                                      |                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Mallatite to Manchester City Council street lighting specification. |                                                                         |
| Column Reference:                                                                                                                                                                    | B0004/9                                                                 |
| Luminaire:                                                                                                                                                                           | Philips Luma Gen2 Micro                                                 |
| Mounting Type:                                                                                                                                                                       | Post top mounted at 0° tilt                                             |
| Manufacturer Reference:                                                                                                                                                              | BGP702 DW50 4000 20LED 5.2S CLO L90 730                                 |
| Lumen Output:                                                                                                                                                                        | 4.00klm                                                                 |
| Charge Code:                                                                                                                                                                         | 42 0024 0000 100 (24w)                                                  |
| Colour Temperature:                                                                                                                                                                  | Warm White (3000k)                                                      |
| Luminous Intensity:                                                                                                                                                                  | G3                                                                      |
| Control Gear:                                                                                                                                                                        | DALI enabled dimmable driver                                            |
| Control Type:                                                                                                                                                                        | Philips Citytouch Central Management System (CMS) node (35/18 lux)      |
| Dimming Profile:                                                                                                                                                                     | CMS controlled to 90% lumen output                                      |
| Supply:                                                                                                                                                                              | IDNO with double pole isolation                                         |
| Secondary Isolator:                                                                                                                                                                  | Lucy Zodion isolator with 32A double pole switch & BS88 6A to luminaire |
| Internal Wiring:                                                                                                                                                                     | Internal wiring to luminaire shall be 1.5mm² 3 core artic grade cable   |
| Door Orientation:                                                                                                                                                                    | Perpendicular to kerb facing away from oncoming vehicles                |

**UNIT IDENTIFICATION KEY:**

LC\*\* Proposed lighting column identification number

**ELECTRICAL CONNECTION TYPE:**

IDNO Independent distribution network operator connection

**ISOLUX CONTOUR KEY (AT GROUND LEVEL):**

0.20 Isolux contour line

0.60 Isolux contour line

1.00 Isolux contour line

2.00 Isolux contour line

|     |                                                 |            |     |
|-----|-------------------------------------------------|------------|-----|
| R1  | INCREASED LUMINAIRE LUMEN OUTPUT, ADDED DIMMING | 30/01/2026 | SRH |
| R0  | INITIAL DESIGN FOR REVIEW AND COMMENT           | 24/06/2025 | SRH |
| REV | DESCRIPTION                                     | DATE       | BY  |

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

PROJECT:

PITSFORD ROAD, MANCHESTER

DRAWING:

STREET LIGHTING DESIGN

CLIENT:

BELLWAY HOMES (MANCHESTER)

DRAWING NUMBER:

SHD2225-SHD-HLG-PITS-DR-ED- Lighting Layout R1

DRAWN:

SRH

CHECKED:

SRH

APPROVED:

DRAWING NUMBER:

SHEET 2 OF 3

APPROVED:

CONTRACT NUMBER:

SHD2225

DATE:

24/06/2025

REVISION:

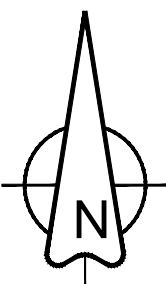
R1

SCALE @ A1

1:500

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City  
17

Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Mallatite to Manchester City Council street lighting specification.

|                         |                                                                         |
|-------------------------|-------------------------------------------------------------------------|
| Column Reference:       | B0004/9                                                                 |
| Luminaire:              | Philips Luma Gen2 Micro                                                 |
| Mounting Type:          | Post top mounted at 0° tilt                                             |
| Manufacturer Reference: | BGP702 DW50 4000 20LED 5.2S CLO L90 730                                 |
| Lumen Output:           | 4.00klm                                                                 |
| Charge Code:            | 42 0024 0000 100 (24w)                                                  |
| Colour Temperature:     | Warm White (3000K)                                                      |
| Luminous Intensity:     | G3                                                                      |
| Control Gear:           | DALI enabled dimmable driver                                            |
| Control Type:           | Philips Citytouch Central Management System (CMS) node (35/18 lux)      |
| Dimming Profile:        | CMS controlled to 90% lumen output                                      |
| Supply:                 | IDNO with double pole isolation                                         |
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UNIT IDENTIFICATION KEY:

LC\*\* Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:

IDNO Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):

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

|     |                                                 |            |     |
|-----|-------------------------------------------------|------------|-----|
| R1  | INCREASED LUMINAIRE LUMEN OUTPUT, ADDED DIMMING | 30/01/2026 | SRH |
| R0  | INITIAL DESIGN FOR REVIEW AND COMMENT           | 24/06/2025 | SRH |
| REV | DESCRIPTION                                     | DATE       | BY  |

**SHD**

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

|                  |                                                |            |        |
|------------------|------------------------------------------------|------------|--------|
| PROJECT:         | PITSFORD ROAD, MANCHESTER                      |            |        |
| DRAWING:         | STREET LIGHTING DESIGN                         |            |        |
| CLIENT:          | BELLWAY HOMES (MANCHESTER)                     |            |        |
| DRAWING NUMBER:  | SHD2225-SHD-HLG-PITS-DR-ED- Lighting Layout R1 | DRAWN:     | SRH    |
|                  | SHEET 3 OF 3                                   | CHECKED:   | SRH    |
| CONTRACT NUMBER: | SHD2225                                        | APPROVED:  |        |
|                  | DATE: 24/06/2025                               | SCALE @ A1 | 1:1000 |
|                  |                                                | REVISION:  | R1     |

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION