

GENERAL NOTES

1. The Site Engineer shall verify that all drawings and documentation are fully coordinated and consistent prior to the commencement of any works. All design documents are to be read in conjunction.
2. Any discrepancies, ambiguities, or conflicts must be reported to SHD Lighting Consultancy Ltd and the overseeing organisation without delay.
3. SHD Lighting Consultancy Ltd accepts no responsibility for construction errors or omissions arising from unreported design issues once works have commenced.
4. 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.

NOTES

1. All works are to be carried out in accordance with the latest Manchester City Council street lighting specification.
2. Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
3. The information on this drawing does not account for installation considerations, site conditions or provide any risk assessment.
4. No account is taken for the blocking effect caused by buildings, etc.
5. The calculation shown by this drawing assumes that the whole area being considered is in the same plane.
6. Any chosen IDNO must have a service level agreement with Manchester City Council prior to adoption of the new installation.
7. IDNO contact details shall also be stored inside the base of each lighting column via means of an identification label.
8. The contractor shall liaise with the DNO in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
9. Final lighting column positions shall be agreed onsite with Manchester City Council street lighting department.
10. Final lighting column identification numbers shall be agreed with Manchester City Council street lighting department.
11. The contractor shall provide Manchester City Council with as-built drawings, test certificates and column and lantern data sheets.
12. Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present
13. 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.
14. 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.
15. Any existing or proposed trees are to be cutback, removed or relocated elsewhere to avoid interference with the street lighting luminaire or prevent any future access or maintenance.
16. The developer will be responsible, unconditionally, for the condition, operation and any risk or liability of all the highways electrical equipment until the date of formal adoption of the street lighting assets.
17. The developer will be required to pay any energy liability charges with their electricity supplier until the date of formal adoption of the street lighting assets.

STATUTORY SERVICE NOTES

1. The contractor/overseeing organisation must obtain up-to-date statutory service record plans prior to the commencement of any street lighting installation or removal works.
2. The contractor should assume that not all services were identified during the design phase. It is the contractor's responsibility to carefully locate and report any unidentified services encountered during construction.
3. Prior to performing any onsite works, the contractor shall identify the location of any overhead electrical or communication equipment. If such equipment is identified, the contractor must consult the relevant statutory undertaker for further guidance.
4. All works in the vicinity of overhead power lines must comply with the Health and Safety Executive (HSE) Guidance Note GS6, "Avoidance of Danger from Overhead Power Lines."
5. Installation and removal works must be conducted in accordance with Energy Networks Association Technical Specification 43-8, the Electricity at Work Regulations 1989, the Construction (Design and Management) Regulations 2015 (CDM 2015), G39/1, and all other applicable Health and Safety Executive regulations.
6. All works near underground mains or cables must comply with HSE Health and Safety Guidance HSG47, "Avoiding Danger from Underground Services," as well as any additional requirements set by the relevant statutory undertaker.
7. The contractor is responsible for liaising with the relevant statutory undertakers and for scheduling any agreed-upon protection and/or diversion works into the overall project programme.

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

The details provided on this drawing are subject to comments by all relevant approving authorities and/or any overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority and/or any overseeing organisation.
It is to be understood that these drawings and the information shown are preliminary only and shall not be used for construction. This drawing should not be used for construction or procurement of materials in any way until technical approval is received.
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.

Qty 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 3600 20LED 5.2S CLO L90 730
Lumen Output:	3.60klm
Charge Code:	42 0022 0000 100 (22w)
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
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

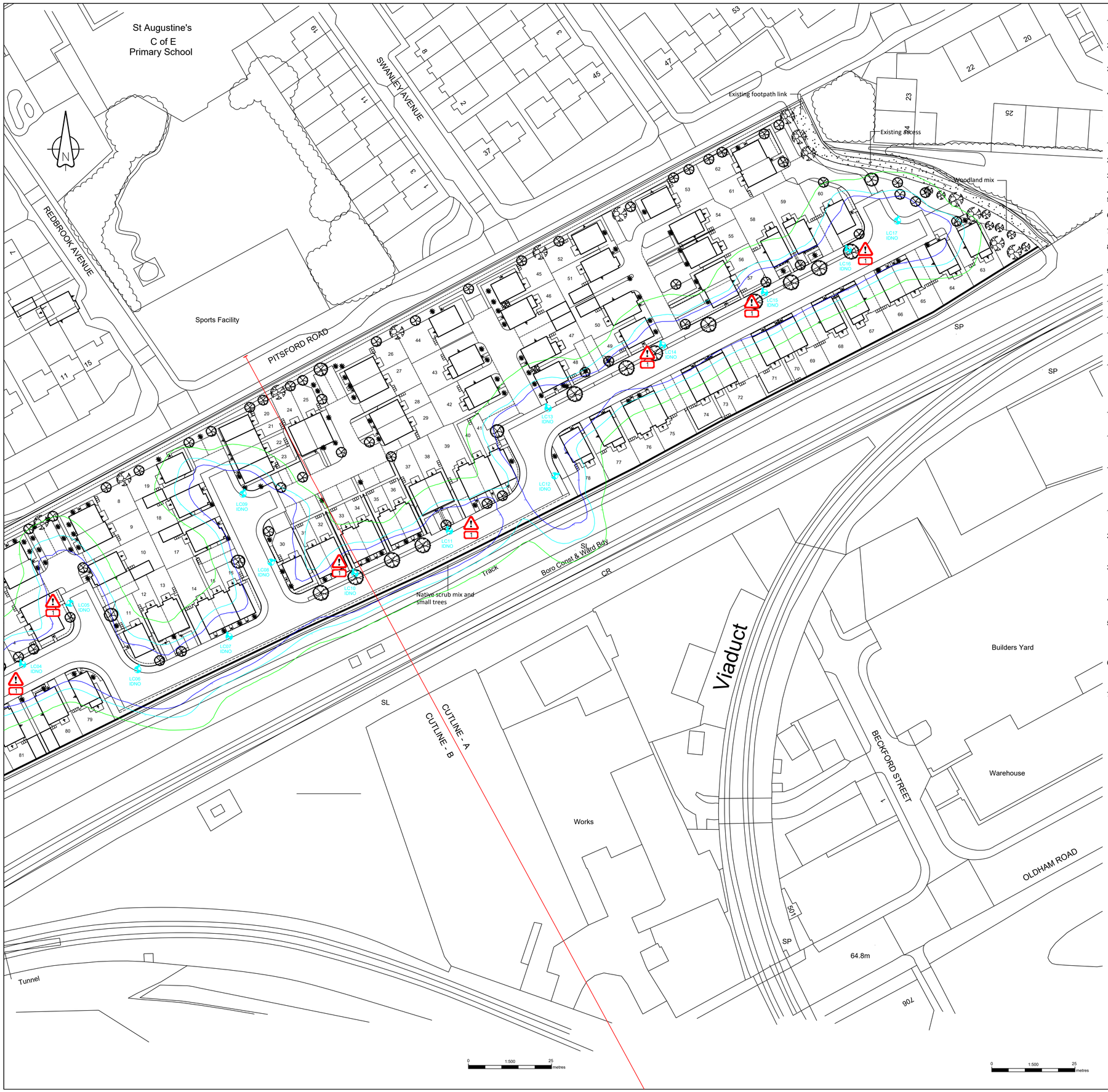
REV	DESCRIPTION	DATE	BY
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	24/06/2025	SRH

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-EO-Lighting Layout-R0			DRAWN:	SRH
	SHEET 1 OF 3			CHECKED:	SRH
				APPROVED:	
CONTRACT NUMBER:	SHD2225	DATE:	24/06/2025	SCALE @ A1	1:500
				REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION



GENERAL NOTES

1. The Site Engineer shall verify that all drawings and documentation are fully coordinated and consistent prior to the commencement of any works. All design documents are to be read in conjunction.
2. Any discrepancies, ambiguities, or conflicts must be reported to SHD Lighting Consultancy Ltd and the overseeing organisation without delay.
3. SHD Lighting Consultancy Ltd accepts no responsibility for construction errors or omissions arising from unreported design issues once works have commenced.
4. 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.

NOTES

1. All works are to be carried out in accordance with the latest Manchester City Council street lighting specification.
2. Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
3. The information on this drawing does not account for installation considerations, site conditions or provide any risk assessment.
4. No account is taken for the blocking effect caused by buildings, etc.
5. The calculation shown by this drawing assumes that the whole area being considered is in the same plane.
6. Any chosen IDNO must have a service level agreement with Manchester City Council prior to adoption of the new installation.
7. IDNO contact details shall also be stored inside the base of each lighting column via means of an identification label.
8. The contractor shall liaise with the DNO in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
9. Final lighting column positions shall be agreed onsite with Manchester City Council street lighting department.
10. Final lighting column identification numbers shall be agreed with Manchester City Council street lighting department.
11. The contractor shall provide Manchester City Council with as-built drawings, test certificates and column and lantern data sheets.
12. Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present
13. 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.
14. 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.
15. Any existing or proposed trees are to be cutback, removed or relocated elsewhere to avoid interference with the street lighting luminaire or prevent any future access or maintenance.
16. The developer will be responsible, unconditionally, for the condition, operation and any risk or liability of all the highways electrical equipment until the date of formal adoption of the street lighting assets.
17. The developer will be required to pay any energy liability charges with their electricity supplier until the date of formal adoption of the street lighting assets.

STATUTORY SERVICE NOTES

1. The contractor/overseeing organisation must obtain up-to-date statutory service record plans prior to the commencement of any street lighting installation or removal works.
2. The contractor should assume that not all services were identified during the design phase. It is the contractor's responsibility to carefully locate and report any unidentified services encountered during construction.
3. Prior to performing any onsite works, the contractor shall identify the location of any overhead electrical or communication equipment. If such equipment is identified, the contractor must consult the relevant statutory undertaker for further guidance.
4. All works in the vicinity of overhead power lines must comply with the Health and Safety Executive (HSE) Guidance Note GS6, "Avoidance of Danger from Overhead Power Lines."
5. Installation and removal works must be conducted in accordance with Energy Networks Association Technical Specification 43-8, the Electricity at Work Regulations 1989, the Construction (Design and Management) Regulations 2015 (CDM 2015), G39/1, and all other applicable Health and Safety Executive regulations.
6. All works near underground mains or cables must comply with HSE Health and Safety Guidance HSG47, "Avoiding Danger from Underground Services," as well as any additional requirements set by the relevant statutory undertaker.
7. The contractor is responsible for liaising with the relevant statutory undertakers and for scheduling any agreed-upon protection and/or diversion works into the overall project programme.

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

The details provided on this drawing are subject to comments by all relevant approving authorities and/or any overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority and/or any overseeing organisation.
It is to be understood that these drawings and the information shown are preliminary only and shall not be used for construction. This drawing should not be used for construction or procurement of materials in any way until technical approval is received.
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.

Qty 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 3600 20LED 5.2S CLO L90 730
Lumen Output:	3.60klm
Charge Code:	42 0022 0000 100 (22w)
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
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

REV	DESCRIPTION	DATE	BY
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	24/06/2025	SRH

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-EO-Lighting Layout-R0 / SHEET 2 OF 3
DRAWN:	SRH
CHECKED:	SRH
APPROVED:	
CONTRACT NUMBER:	SHD2225
DATE:	24/06/2025
SCALE @ A1	1:500
REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION



GENERAL NOTES

1. The Site Engineer shall verify that all drawings and documentation are fully coordinated and consistent prior to the commencement of any works. All design documents are to be read in conjunction.
2. Any discrepancies, ambiguities, or conflicts must be reported to SHD Lighting Consultancy Ltd and the overseeing organisation without delay.
3. SHD Lighting Consultancy Ltd accepts no responsibility for construction errors or omissions arising from unreported design issues once works have commenced.
4. 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.

NOTES

1. All works are to be carried out in accordance with the latest Manchester City Council street lighting specification.
2. Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
3. The information on this drawing does not account for installation considerations, site conditions or provide any risk assessment.
4. No account is taken for the blocking effect caused by buildings, etc.
5. The calculation shown by this drawing assumes that the whole area being considered is in the same plane.
6. Any chosen IDNO must have a service level agreement with Manchester City Council prior to adoption of the new installation.
7. IDNO contact details shall also be stored inside the base of each lighting column via means of an identification label.
8. The contractor shall liaise with the DNO in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
9. Final lighting column positions shall be agreed onsite with Manchester City Council street lighting department.
10. Final lighting column identification numbers shall be agreed with Manchester City Council street lighting department.
11. The contractor shall provide Manchester City Council with as-built drawings, test certificates and column and lantern data sheets.
12. Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present
13. 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.
14. 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.
15. Any existing or proposed trees are to be cutback, removed or relocated elsewhere to avoid interference with the street lighting luminaire or prevent any future access or maintenance.
16. The developer will be responsible, unconditionally, for the condition, operation and any risk or liability of all the highways electrical equipment until the date of formal adoption of the street lighting assets.
17. The developer will be required to pay any energy liability charges with their electricity supplier until the date of formal adoption of the street lighting assets.

STATUTORY SERVICE NOTES

1. The contractor/overseeing organisation must obtain up-to-date statutory service record plans prior to the commencement of any street lighting installation or removal works.
2. The contractor should assume that not all services were identified during the design phase. It is the contractor's responsibility to carefully locate and report any unidentified services encountered during construction.
3. Prior to performing any onsite works, the contractor shall identify the location of any overhead electrical or communication equipment. If such equipment is identified, the contractor must consult the relevant statutory undertaker for further guidance.
4. All works in the vicinity of overhead power lines must comply with the Health and Safety Executive (HSE) Guidance Note GS6, "Avoidance of Danger from Overhead Power Lines."
5. Installation and removal works must be conducted in accordance with Energy Networks Association Technical Specification 43-8, the Electricity at Work Regulations 1989, the Construction (Design and Management) Regulations 2015 (CDM 2015), G39/1, and all other applicable Health and Safety Executive regulations.
6. All works near underground mains or cables must comply with HSE Health and Safety Guidance HSG47, "Avoiding Danger from Underground Services," as well as any additional requirements set by the relevant statutory undertaker.
7. The contractor is responsible for liaising with the relevant statutory undertakers and for scheduling any agreed-upon protection and/or diversion works into the overall project programme.

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

The details provided on this drawing are subject to comments by all relevant approving authorities and/or any overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority and/or any overseeing organisation.
It is to be understood that these drawings and the information shown are preliminary only and shall not be used for construction. This drawing should not be used for construction or procurement of materials in any way until technical approval is received.
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.

Qty 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 3600 20LED 5.2S CLO L90 730
Lumen Output:	3.60klm
Charge Code:	42 0022 0000 100 (22w)
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
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

REV	DESCRIPTION	DATE	BY
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	24/06/2025	SRH

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-EO-Lighting Layout-R0			DRAWN:	SRH
				CHECKED:	SRH
	SHEET 3 OF 3			APPROVED:	
CONTRACT NUMBER:	SHD2225	DATE:	24/06/2025	SCALE @ A1	1:1000
				REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION