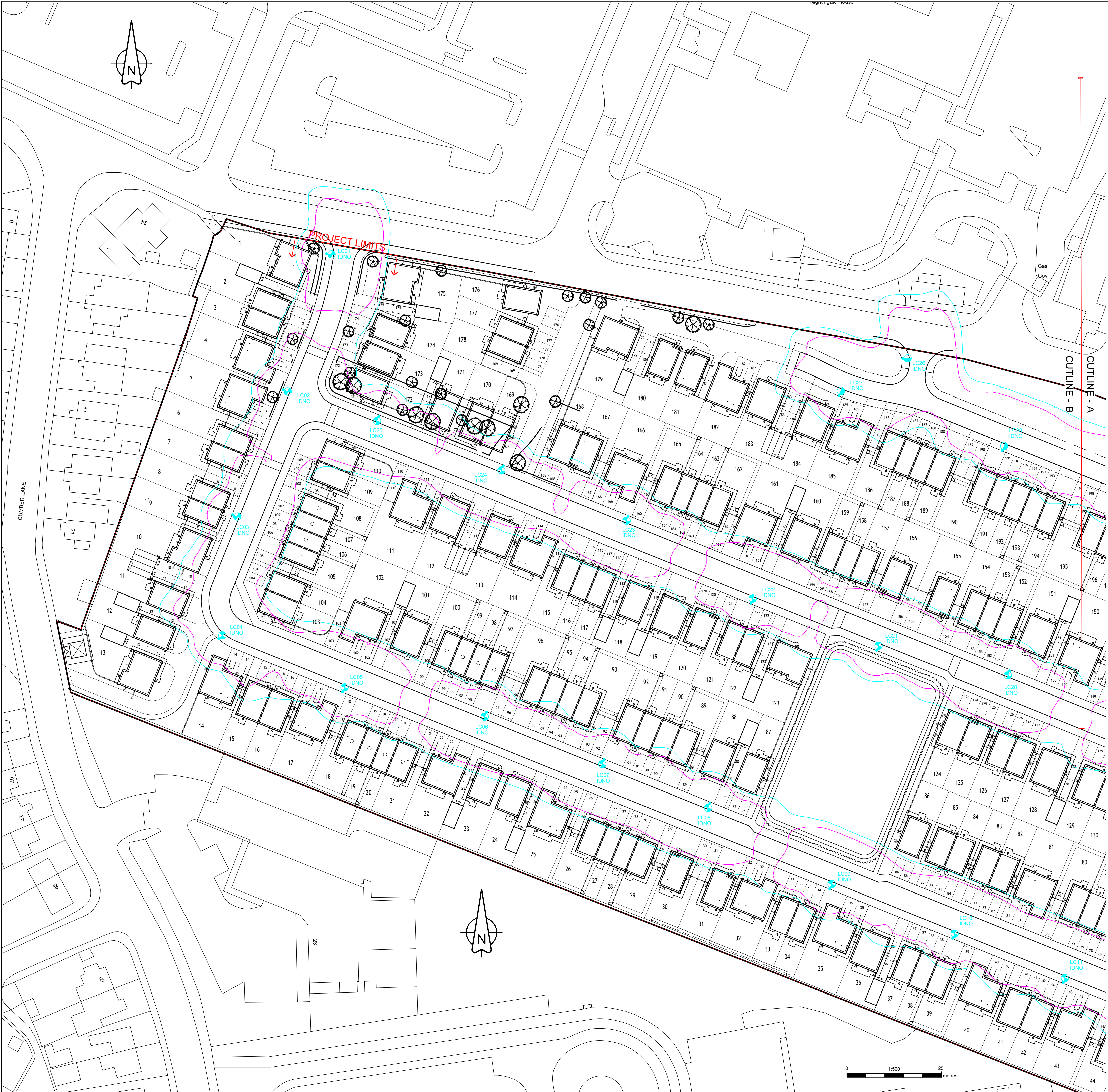




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 - This lighting design has been prepared in accordance with HEMSA/HEA CDM2015 Guidance Note (Issue 1.1, dated 09/04/15, Procedure 2) and complies with the CDM Regulations 2015, Part 3, Regulation 9 – Duties of Designers.
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 - Lighting columns are to be installed as per standard details SSE/L/SD/01, SSE/L/SD/02, SSE/L/SD/11, SSE/L/SD/016 & SSE/L/SD/017 and in accordance with manufacturers instructions.
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 - Horizontal clearance for the maximum tree canopy shall be greater than 5m from any proposed lighting columns.
 - The developer will be required to pay any energy charges until the date of formal adoption of the street lighting assets.
 - The developer will be responsible, for the condition, operation and any risk or liability of all the highways electrical equipment on all approved works until the adoption of the street lighting assets.

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 - The contractor shall maintain accurate as-built records of all discovered or relocated services and issue updated information to the overseeing organisation at project completion.

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%)

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.

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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.

	Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)
Column Reference:	N/A
Luminaire Type:	Thorn Isaro Pro
Luminaire Reference:	IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type:	Post mounted at 0° tilt & 76mm spigot
Lumen Output:	6.74klm
Charge Code:	41 0053 0000 100 (53w)
Colour Temperature:	Warm White (3000K)
Luminous Intensity:	G3
Control Gear:	Philips DALI enabled dimmable driver
Control Type:	Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile:	Dimmed to 60% lumen output
Supply:	IDNO with double pole isolation
Secondary Isolator:	N/A
Internal Wiring:	2.5mm² artc grade flexible cable
Door Orientation:	Facing away from oncoming vehicles

	Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)
Column Reference:	N/A
Luminaire Type:	Thorn Isaro Pro
Luminaire Reference:	IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type:	Post mounted at 0° tilt & 76mm spigot
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Colour Temperature:	Warm White (3000K)
Luminous Intensity:	G3
Control Gear:	Philips DALI enabled dimmable driver
Control Type:	Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile:	Dimmed to 50% lumen output
Supply:	IDNO with double pole isolation
Secondary Isolator:	N/A
Internal Wiring:	2.5mm² artc grade flexible cable
Door Orientation:	Facing away from oncoming vehicles

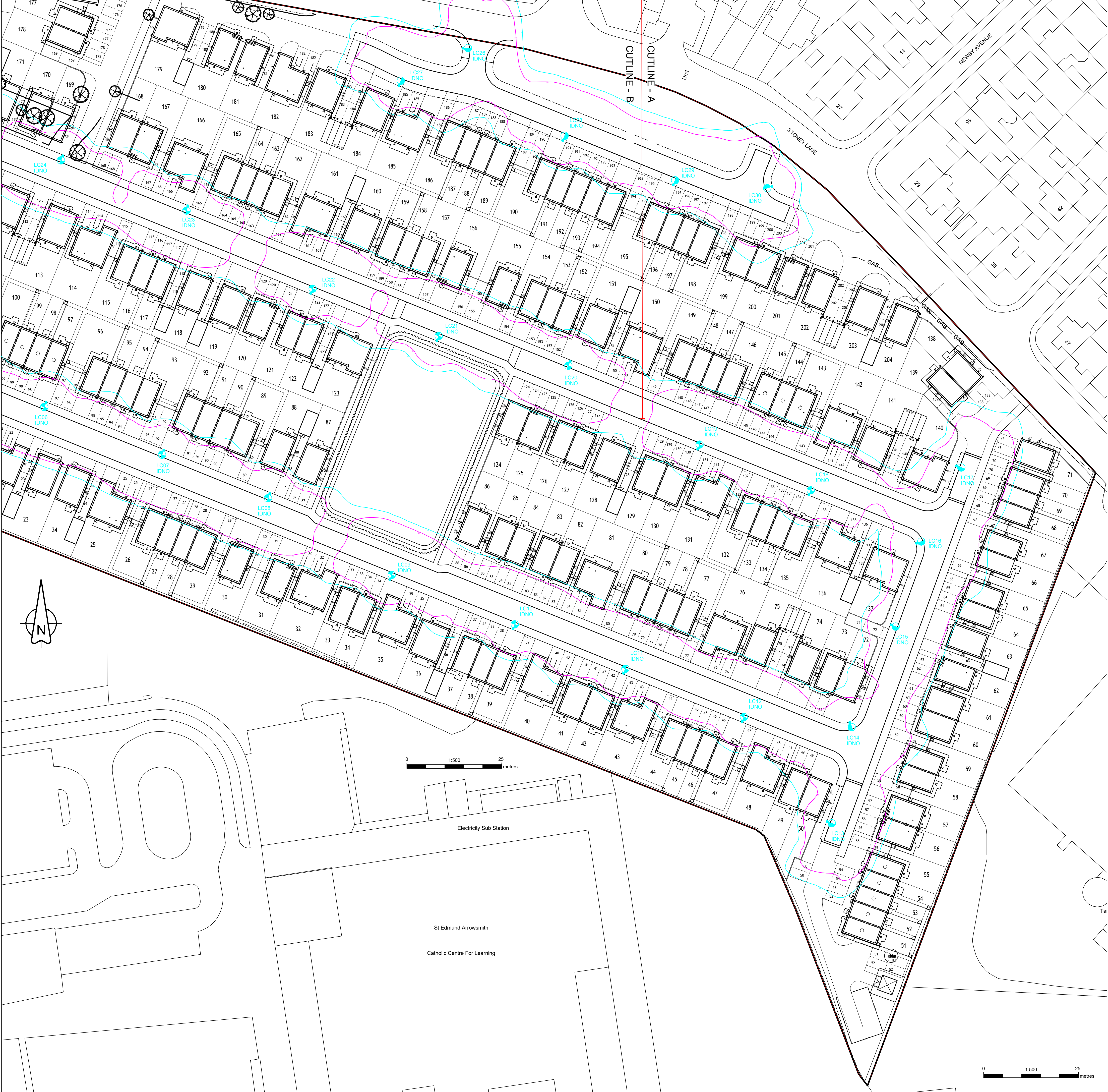
UNIT IDENTIFICATION KEY:	
LC**	Proposed lighting column identification number
ELECTRICAL CONNECTION TYPE:	
IDNO	Independent distribution network operator connection
ISOLUX CONTOUR KEY (AT GROUND LEVEL):	
	1.00 Isolux contour line
	2.00 Isolux contour line

R0	INITIAL DESIGN FOR REVIEW AND COMMENT	26/11/2025	SRH
REV	DESCRIPTION	DATE	BY

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

PROJECT:	GLEN DIMPLEX		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2326-SHD HLG-GLEN-DIMPLEX-ED- Lighting Layout R0	DRAWN:	SRH
	SHEET 1 OF 3	CHECKED:	SRH
		APPROVED:	
CONTRACT NUMBER:	SHD2326	DATE:	26/11/2025
		SCALE @ A1:	1:500
		REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION



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 - This lighting design has been prepared in accordance with HEMA/HEA CDM2015 Guidance Note (Issue 1.1, dated 09/04/15, Procedure 2) and complies with the CDM Regulations 2015, Part 3, Regulation 9 – Duties of Designers.
- NOTES**
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 - The minimum distance for a lighting column to be erected from the kerb face in a service strip shall be 800mm.
 - Unless specified column shall be installed at back edge of verge on avenue style and back of path on all local roads and lanes.
 - Each development site is required to install one Mayflower 2 Mobitex GPRS sub-master unit to control nodes and link to central control system unless agreed otherwise with the service provider and highway authority.
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 - Horizontal clearance for the maximum tree canopy shall be greater than 5m from any proposed lighting columns.
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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%)
- Initially designed to lighting class P3, then using CMS, dimmed to lighting class P4

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City 20

Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)

Column Reference: N/A
Luminaire Type: Thorn Isaro Pro
Luminaire Reference: IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type: Post mounted at 0° tilt & 76mm spigot
Lumen Output: 6.74klm
Charge Code: 41 0053 0000 100 (53w)
Colour Temperature: Warm White (3000K)
Luminous Intensity: G3
Control Gear: Philips DALI enabled dimmable driver
Control Type: Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile: Dimmed to 60% lumen output
Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² arctic grade flexible cable
Door Orientation: Facing away from oncoming vehicles

City 10

Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)

Column Reference: N/A
Luminaire Type: Thorn Isaro Pro
Luminaire Reference: IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type: Post mounted at 0° tilt & 76mm spigot
Lumen Output: 6.74klm
Charge Code: 41 0053 0000 100 (53w)
Colour Temperature: Warm White (3000K)
Luminous Intensity: G3
Control Gear: Philips DALI enabled dimmable driver
Control Type: Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile: Dimmed to 50% lumen output
Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² arctic grade flexible cable
Door Orientation: Facing away from oncoming vehicles

UNIT IDENTIFICATION KEY:

LC** Proposed lighting column identification number

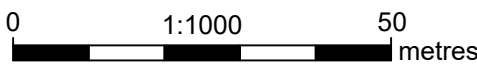
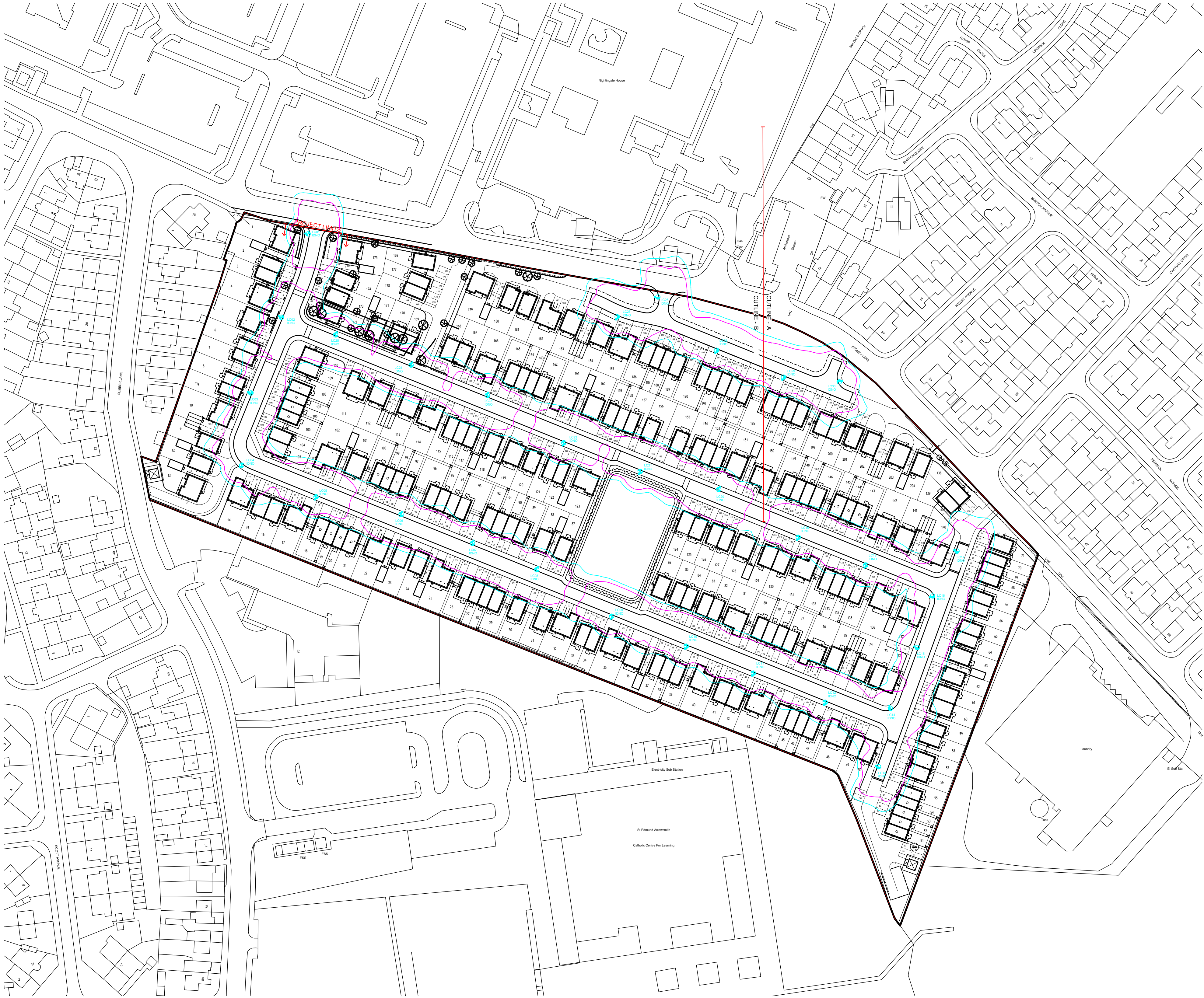
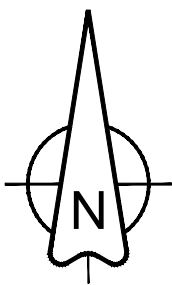
ELECTRICAL CONNECTION TYPE:

IDNO Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):

1.00 Isolux contour line
2.00 Isolux contour line

R0	INITIAL DESIGN FOR REVIEW AND COMMENT	26/11/2025	SRH
REV	DESCRIPTION	DATE	BY
SHD info@shdlighting.co.uk 07834 490 192 www.shdlighting.co.uk			
PROJECT:	GLEN DIMPLEX		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2326-SHD-HLG-GLEN-DIMPLEX-ED- Lighting Layout R0	DRAWN:	SRH
	SHEET 2 OF 3	CHECKED:	SRH
CONTRACT NUMBER:	SHD2326	APPROVED:	
	DATE: 26/11/2025	SCALE @ A1	1:500
		REVISION:	R0
PRELIMINARY DESIGN - NOT FOR CONSTRUCTION			



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

Initially designed to lighting class P3, then using CMS, dimmed to lighting class P4

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Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)

Column Reference: N/A
Luminaire Type: Thorn Isaro Pro
Luminaire Reference: IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type: Post mounted at 0° tilt & 76mm spigot
Lumen Output: 6.74klm
Charge Code: 41 0053 0000 100 (53w)
Colour Temperature: Warm White (3000K)
Luminous Intensity: G3
Control Gear: Philips DALI enabled dimmable driver
Control Type: Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile: Dimmed to 60% lumen output
Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² artc grade flexible cable
Door Orientation: Facing away from oncoming vehicles

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Luminous Intensity: G3
Control Gear: Philips DALI enabled dimmable driver
Control Type: Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile: Dimmed to 50% lumen output
Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² artc grade flexible cable
Door Orientation: 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):

1.00 Isolux contour line
2.00 Isolux contour line

R0	INITIAL DESIGN FOR REVIEW AND COMMENT	26/11/2025	SRH
REV	DESCRIPTION	DATE	BY



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

PROJECT:	GLEN DIMPLEX		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2326-SHD HLG-GLEN-DIMPLEX-ED- Lighting Layout R0	DRAWN:	SRH
	SHEET 3 OF 3	CHECKED:	SRH
CONTRACT NUMBER:	SHD2326	APPROVED:	
	DATE: 26/11/2025	SCALE @ A1: 1:1000	REVISION: R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION