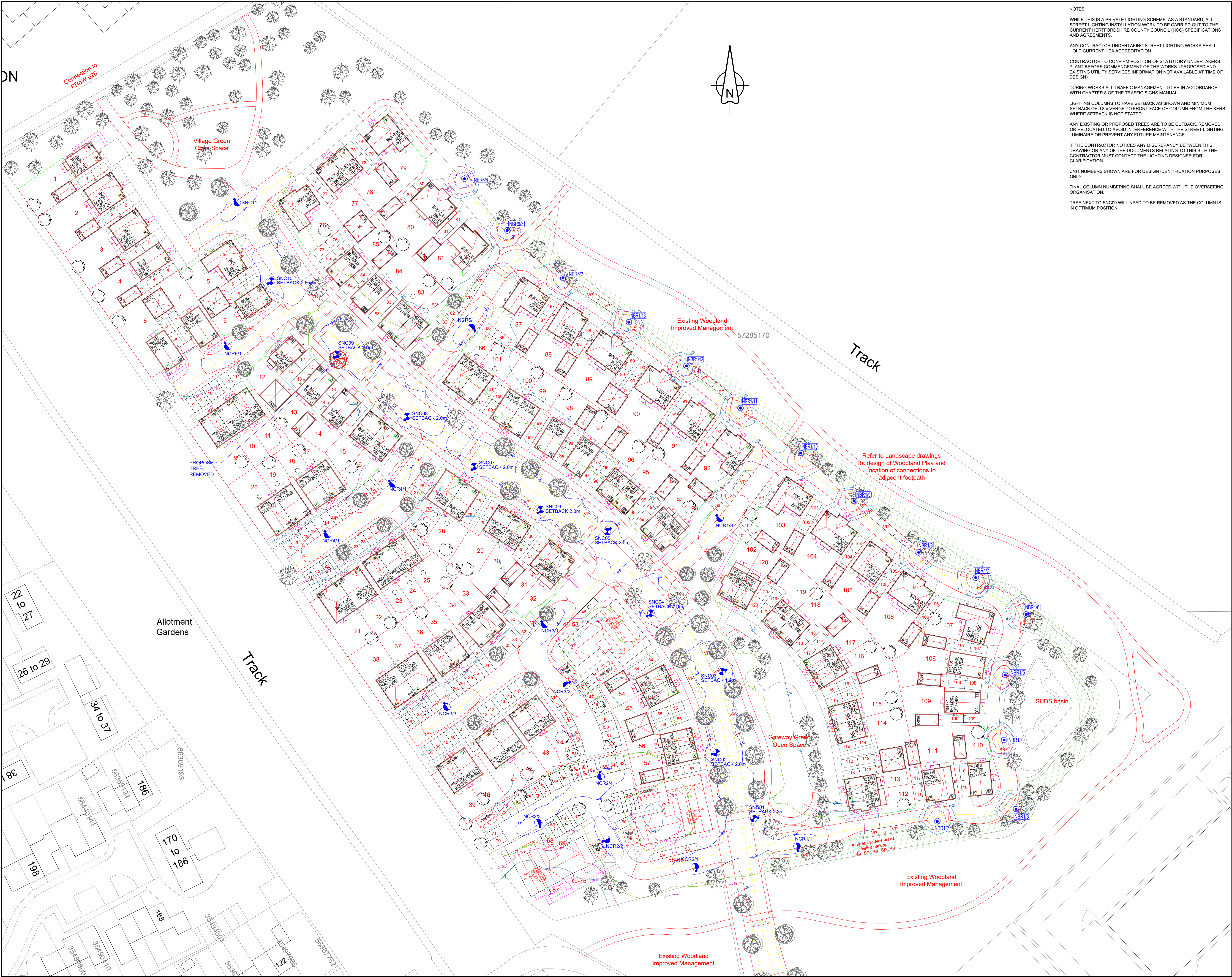




NOTES:

WHILE THIS IS A PRIVATE LIGHTING SCHEME, AS A STANDARD, ALL STREET LIGHTING INSTALLATION WORK TO BE CARRIED OUT TO THE CURRENT HERTFORDSHIRE COUNTY COUNCIL (HCC) SPECIFICATIONS AND AGREEMENTS.

ANY CONTRACTOR UNDERTAKING STREET LIGHTING WORKS SHALL HOLD CURRENT HEA ACCREDITATION.

CONTRACTOR TO CONFIRM POSITION OF STATUTORY UNDERTAKERS PLANT BEFORE COMMENCEMENT OF THE WORKS. (PROPOSED AND EXISTING UTILITY SERVICES INFORMATION NOT AVAILABLE AT TIME OF DESIGN)

DURING WORKS ALL TRAFFIC MANAGEMENT TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.

LIGHTING COLUMNS TO HAVE SETBACK AS SHOWN AND MINIMUM SETBACK OF 0.8m VERGE TO FRONT FACE OF COLUMN FROM THE KERB WHERE SETBACK IS NOT STATED.

ANY EXISTING OR PROPOSED TREES ARE TO BE OUTBACK, REMOVED OR RELOCATED TO AVOID INTERFERENCE WITH THE STREET LIGHTING LUMINAIRE OR PREVENT ANY FUTURE MAINTENANCE.

IF THE CONTRACTOR NOTICES ANY DISCREPANCY BETWEEN THIS DRAWING OR ANY OF THE DOCUMENTS RELATING TO THIS SITE THE CONTRACTOR MUST CONTACT THE LIGHTING DESIGNER FOR CLARIFICATION.

UNIT NUMBERS SHOWN ARE FOR DESIGN IDENTIFICATION PURPOSES ONLY.

FINAL COLUMN NUMBERING SHALL BE AGREED WITH THE OVERSEEING ORGANISATION.

TREE NEXT TO SNC09 WILL NEED TO BE REMOVED AS THE COLUMN IS IN OPTIMUM POSITION.

Street Lighting Key:

Symbol	Description
	Lighting Column: 6m tubular galvanised steel lighting column as Hertfordshire County Council specification to BS EN 40 complete with DW Windsor Kirium One LED luminaire as specified below. Column Reference: NA Luminaire: D W Windsor Kirium One 24LED Mounting Type: Post top mounted Manufacturer Ref: Kirium One 24LED 2.7K Asymmetrical Area 300mA luminaire Lumen Output: 3,098lm Luminaire Wattage: 20W Charge Code: 42 0020 0000 100 Colour Temperature: 2700K Very Warm White Luminaire Tilt: 0° Luminous Intensity: G1 Control Gear: DALI enabled LED electronic driver 7 pin NEMA socket complete with one part 20/20Lux switching photocell as Lucy Zodiön S56 or similar. Control Type: N/A Dimming Profile: Private cable Network to be confirmed Supply: 32A double pole isolator Primary Isolator: N/A Secondary Isolator: N/A
	Lighting Column: 6m tubular galvanised steel lighting column as Hertfordshire County Council specification to BS EN 40 complete with DW Windsor Kirium One LED luminaire as specified below. Column Reference: NA Luminaire: D W Windsor Kirium One 24LED Mounting Type: Post top mounted Manufacturer Ref: Kirium One 12LED 2.7K Medium Road Type 2 300mA luminaire Lumen Output: 1,658lm Luminaire Wattage: 10W Charge Code: 42 0010 0000 100 Colour Temperature: 2700K Very Warm White Luminaire Tilt: 0° Luminous Intensity: G2 Control Gear: DALI enabled LED electronic driver 7 pin NEMA socket complete with one part 20/20Lux switching photocell as Lucy Zodiön S56 or similar. Control Type: N/A Dimming Profile: Private cable Network to be confirmed Supply: 32A double pole isolator Primary Isolator: N/A Secondary Isolator: N/A
	Proposed illuminated bollard as DW Windsor Kirium Bollard 160 - Asymmetrical 3LED 700mA 2700K BW or equal and approved. 0.5m setback from kerbline. Installed as per manufacturer's instructions.

UNIT NUMBERING KEY:

- SNC** Proposed lighting column identification number on the spine road.
- NCR** Proposed lighting column identification number - road/column.
- NBR** Proposed illuminated bollard identification number.

LIGHTING ISOLUX CONTOUR KEY:

- 5.0 Isolux contour line (Lighting Class P4 - ave)
- 1.0 Isolux contour line (Lighting Class P4 - min)
- 3.0 Isolux contour line (Lighting Class P5 - ave)
- 0.6 Isolux contour line (Lighting Class P5 - min)
- 0.5 Isolux contour line
- 0.2 Isolux contour line

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLING OR LINETYPES SHOWN

LIGHTING SCHEME DESIGNED IN ACCORDANCE WITH:
BS 5489-1:2020 & BS EN 13201-2:2015
MAINTENANCE FACTOR: 0.83

SPINE ROAD - LIGHTING CLASSIFICATION: P4

MIN. MAINTAINED AVERAGE ILLUMINANCE (E_{av}): ≥5.00 LUX ≤7.50 LUX
MIN. ILLUMINANCE (E_{min}): ≥1.00 LUX
OVERALL UNIFORMITY ≥0.20

SPINE ROAD "B" - LIGHTING CLASSIFICATION: P5

MIN. MAINTAINED AVERAGE ILLUMINANCE (E_{av}): ≥3.00 LUX ≤4.50 LUX
MIN. ILLUMINANCE (E_{min}): ≥0.6 LUX
OVERALL UNIFORMITY ≥0.20

SIDE ROAD - LIGHTING CLASSIFICATION: P5

MIN. MAINTAINED AVERAGE ILLUMINANCE (E_{av}): ≥3.00 LUX ≤4.50 LUX
MIN. ILLUMINANCE (E_{min}): ≥0.6 LUX
OVERALL UNIFORMITY ≥0.20

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE LOCAL AUTHORITY BY THE DEVELOPER. SHOULD WORKS BE CONSTRUCTED WITHOUT APPROVAL THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK. UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY. MMA LIGHTING CONSULTANCY HAVE NOT SUBMITTED THIS DESIGN FOR TECHNICAL COMMENTS/APPROVAL.

REV	AMENDMENT	DATE	INITIAL
R4	NCR1/1 AND NBR6/3 RELOCATED	06/07/2026	DK
R3	BOLLARDS PROPOSED AT WOODLAND BOUNDARY	25/06/2026	DK
R2	NEW BASE DRAWING	26/05/2026	DK
R1	NCR3/3 and NCR1/8 moved as directed	31/10/2025	HC
R0	PRELIMINARY LAYOUT	01/10/2025	DK



MMA

LIGHTING CONSULTANCY

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Project title	
TALBOT WAY, LETCHWORTH	
Drawing title	
PRIVATE STREET LIGHTING DESIGN	
Prepared by	DK
Checked by	MC
Scale	1:500 @ A1
Date	31/10/2025
Drawing Number	MMA19767/001
Revision Details	R4