



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 CUTBACK, 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.

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: 3,096lm 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 Control Type: 7 pin NEMA socket complete with one part 20/20Lux switching photocell as Lucy Zodion S56 or similar. Dimming Profile: N/A Supply: Private cable Network to be confirmed Primary Isolator: 32A double pole isolator Secondary Isolator: NA
	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: 1,656lm 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 Control Type: 7 pin NEMA socket complete with one part 20/20Lux switching photocell as Lucy Zodion S56 or similar. Dimming Profile: N/A Supply: Private cable Network to be confirmed Primary Isolator: 32A double pole isolator Secondary Isolator: NA

UNIT NUMBERING KEY:

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

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 13201-1:2015 - LIGHTING EXTENTS LIMITED TO EXTENT OF PROPOSED FOOTPATHS DUE TO LACK OF KCC OWNED LAND.

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

(SIDE ROAD 2 ACHIEVES LIGHTING CLASS P4 RATHER THAN P5 DUE TO ROAD LAYOUT AND TO MAINTAIN A CONSISTENT LUMINOPTIC PACKAGE FOR ALL SIDE ROADS FOR EASE OF PROCUREMENT.)

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 DEVELOPER'S 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
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 R1