Private Street Lighting Key:

Qty 7

Lighting Column:
Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards

Luminaire:	Philips Luma Gen2 Micro BL factory fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	Luma Gen2 Micro BGP702 DM10 BL1 2200 10LED 5.2S CLO L90 727
Lumen Output:	2.20klm
Luminaire Wattage:	14 w
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Electronic DALI enabled driver
Control Type:	Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:	N/A
Supply:	To be confirmed by others
Primary Isolator:	To be confirmed by others
Secondary Isolator:	N/A

Qty 3

Lighting Column:
Proposed galvanised tubular steel lighting raise & lower column of 6.0 metre nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards

Luminaire:	Philips Luma Gen2 Micro BL factory fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	Luma Gen2 Micro BGP702 DM10 BL1 2200 10LED 5.2S CLO L90 727
Lumen Output:	2.20klm
Luminaire Wattage:	14 w
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Electronic DALI enabled driver
Control Type:	Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:	N/A
Supply:	To be confirmed by others
Primary Isolator:	To be confirmed by others
Secondary Isolator:	N/A

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

S/P RATIO: N/A
MAINTENANCE FACTOR: 0.76

PRIVATE LIGHTING CLASSIFICATION: P5

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >3.00 LUX <4.50 LUX
MIN. ILLUMINANCE (EMIN): >0.60 LUX
EMIN/EAV (UNIFORMITY): >0.20 (20%)

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

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

S/P RATIO: N/A
MAINTENANCE FACTOR: 0.76

PRIVATE LIGHTING CLASSIFICATION: LIGHT OUTDOOR CAR PARK

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >5.00 LUX MIN
EMIN/EAV (UNIFORMITY): >0.25 (25%)

Qty 1

Lighting Column:
Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards

Luminaire:	Philips Luma Gen2 Micro BL factory fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	Luma Gen2 Micro BGP702 DN09 BL1 1600 6LED 5.2S CLO L90 727
Lumen Output:	1.60klm
Luminaire Wattage:	11 w
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G2
Control Gear:	Electronic DALI enabled driver
Control Type:	Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:	N/A
Supply:	To be confirmed by others
Primary Isolator:	To be confirmed by others
Secondary Isolator:	N/A

Qty 5

Lighting Column:
Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards

Luminaire:	Philips Luma Gen2 Micro BL factory fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	Luma Gen2 Micro BGP702 DM10 BL1 2200 10LED 5.2S CLO L90 727
Lumen Output:	2.20klm
Luminaire Wattage:	14 w
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Electronic DALI enabled driver
Control Type:	Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:	N/A
Supply:	To be confirmed by others
Primary Isolator:	To be confirmed by others
Secondary Isolator:	N/A
Pre-set dimming:	60%

Qty 4

Lighting Column:
Proposed galvanised tubular steel lighting raise & lower column of 6.0 metre nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards

Luminaire:	Philips Luma Gen2 Micro BL factory fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	Luma Gen2 Micro BGP702 DW50 BL1 4000 20LED 5.2S CLO L90 727
Lumen Output:	4.00klm
Luminaire Wattage:	26 w
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Electronic DALI enabled driver
Control Type:	Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:	N/A
Supply:	To be confirmed by others
Primary Isolator:	To be confirmed by others
Secondary Isolator:	N/A

Qty 1

Lighting Column:
Proposed galvanised tubular steel lighting raise & lower column of 6.0 metre nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards

Luminaire:	Philips Luma Gen2 Micro BL factory fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	Luma Gen2 Micro BGP702 DM10 BL1 2200 10LED 5.2S CLO L90 727
Lumen Output:	2.20klm
Luminaire Wattage:	14 w
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Electronic DALI enabled driver
Control Type:	Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:	N/A
Supply:	To be confirmed by others
Primary Isolator:	To be confirmed by others
Secondary Isolator:	N/A
Pre-set dimming:	60%

NOTES:

ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT CLIENTS SPECIFICATIONS AND AGREEMENTS.

CONTRACTOR TO CONFIRM POSITION OF STATUTORY UNDERTAKERS PLANT BEFORE COMMENCEMENT OF THE WORKS.

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

PROPOSED LIGHTING COLUMNS ARE TO BE LOCATED TO THE REAR OF THE FOOTPATH WHEREVER POSSIBLE OR A MINIMUM OF 1000mm SETBACK FROM FRONT KERB EDGING.

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 AUTHORITY OR CONTRACTOR EXPERIENCE ANY PART DISCREPANCY BETWEEN THIS DRAWING OR ANY OF THE DOCUMENTS RELATING TO THIS SITE THE AUTHORITY OR 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.

IF THE OVERHEAD HIGH VOLTAGE LINES HAVE NOT BEEN DIVERTED AT THE TIME OF INSTALLATION, NO LIGHTING COLUMNS SHALL BE INSTALLED. FURTHERMORE, NO STREET LIGHTING WORKS SHALL COMMENCE UNTIL THE OVERHEAD HV LINES HAVE BEEN DIVERTED AND THE PROPOSED COLUMN POSITIONS HAVE BEEN CHECKED AGAINST THE STATUTORY UNDERTAKERS' RECORDS TO CONFIRM THAT THERE ARE NO SERVICE CLASHES OR RISKS TO LIFE.

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN - BASE DRAWING USED 'Constraints Plan External'	20/10/2026	BR

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Project title
CHURCH LANE, ASHINGTON

Drawing title
LIGHTING STRATEGY DESIGN
SHEET 4 OF 4

Prepared by BR	Checked by HC
Scale 1:500 @ A1	Date 20/10/2026
Drawing Number MMA20740/004	Revision Details R0