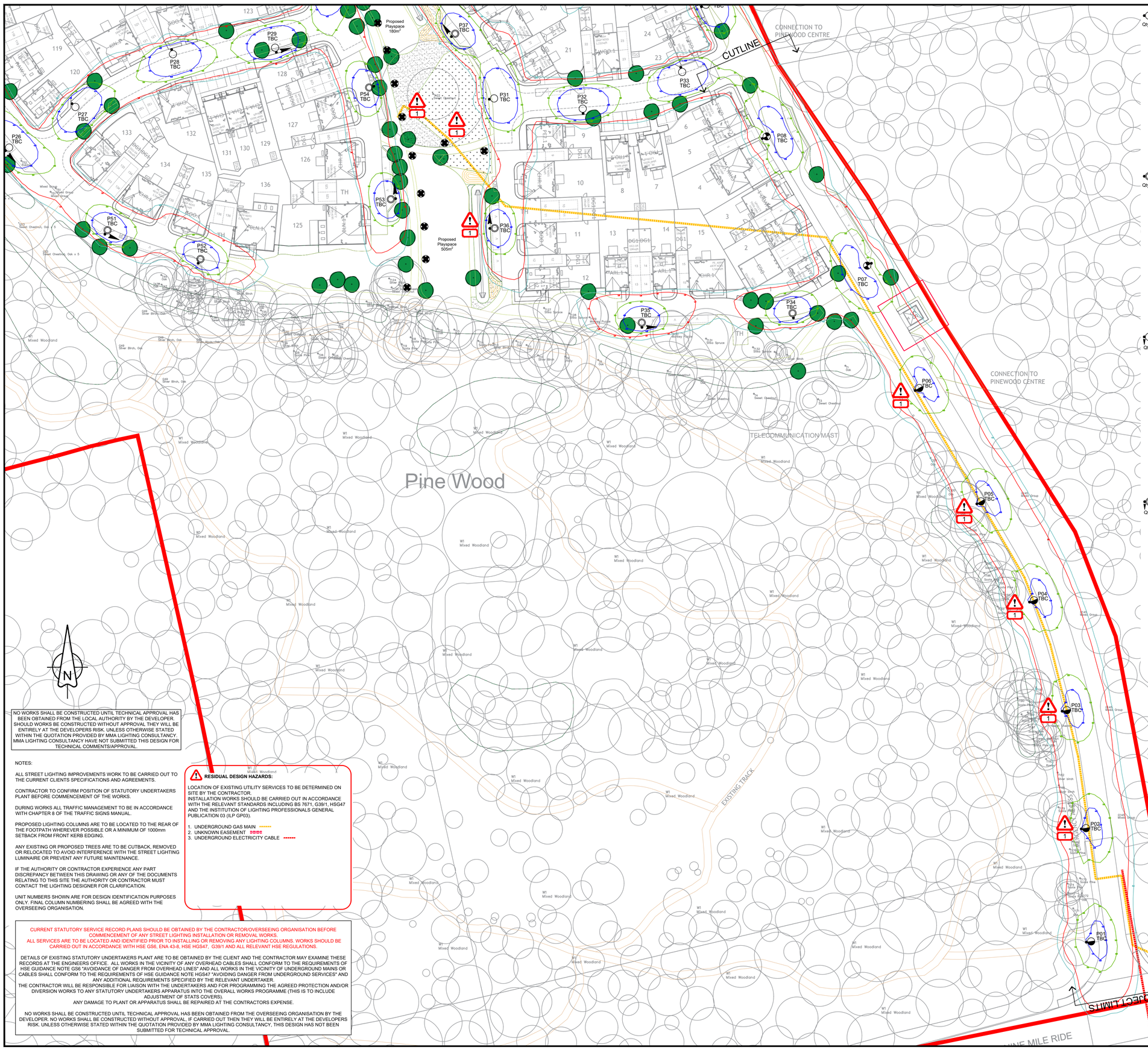

Qty 18

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_2800_20LED_5.2S_CLO_L90_727
Lumen Output:	2.80klm
Luminaire Wattage:	17 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 14

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_2000_10LED_5.2S_CLO_L90_727
Lumen Output:	2.00klm
Luminaire Wattage:	13 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_2800_20LED_5.2S_CLO_L90_727
Lumen Output:	2.80klm
Luminaire Wattage:	17 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 7

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_2000_10LED_5.2S_CLO_L90_727
Lumen Output:	2.00klm
Luminaire Wattage:	13 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

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.

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.

RESIDUAL DESIGN HAZARDS:

LOCATION OF EXISTING UTILITY SERVICES TO BE DETERMINED ON SITE BY THE CONTRACTOR.
INSTALLATION WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT STANDARDS INCLUDING BS 7671, G39/1, HSG47 AND THE INSTITUTION OF LIGHTING PROFESSIONALS GENERAL PUBLICATION 03 (ILP GP03).

1. UNDERGROUND GAS MAIN ******
2. UNKNOWN EASEMENT ******
3. UNDERGROUND ELECTRICITY CABLE ******

CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR/OVERSEEING ORGANISATION BEFORE COMMENCEMENT OF ANY STREET LIGHTING INSTALLATION OR REMOVAL WORKS.
ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING OR REMOVING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSE GS6, ENA 43-8, HSE HGS47, G39/1 AND ALL RELEVANT HSE REGULATIONS.

DETAILS OF EXISTING STATUTORY UNDERTAKERS PLANT ARE TO BE OBTAINED BY THE CLIENT AND THE CONTRACTOR MAY EXAMINE THESE RECORDS AT THE ENGINEERS OFFICE. ALL WORKS IN THE VICINITY OF ANY OVERHEAD CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE GS6 "AVOIDANCE OF DANGER FROM OVERHEAD LINES" AND ALL WORKS IN THE VICINITY OF UNDERGROUND MAINS OR CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE HGS47 "AVOIDING DANGER FROM UNDERGROUND SERVICES" AND ANY ADDITIONAL REQUIREMENTS SPECIFIED BY THE RELEVANT UNDERTAKER.
THE CONTRACTOR WILL BE RESPONSIBLE FOR LIAISON WITH THE UNDERTAKERS AND FOR PROGRAMMING THE AGREED PROTECTION AND/OR DIVERSION WORKS TO ANY STATUTORY UNDERTAKERS APPARATUS INTO THE OVERALL WORKS PROGRAMME (THIS IS TO INCLUDE ADJUSTMENT OF STATS COVERS).
ANY DAMAGE TO PLANT OR APPARATUS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE OVERSEEING ORGANISATION BY THE DEVELOPER. NO WORKS SHALL BE CONSTRUCTED WITHOUT APPROVAL. IF CARRIED OUT THEN THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK. UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY, THIS DESIGN HAS NOT BEEN SUBMITTED FOR TECHNICAL APPROVAL.

Street Lighting Key:

Symbol	Description
Qty 3	**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_DW50 BL1_3800_20LED_5.2S_CLO_L90_727 **Lumen Output:** 3.80klm **Luminaire Wattage:** 23 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 6	**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 **Mounting Type:** Post top mounted **Manufacturer Ref:** Luma Gen2 Micro_BGP702_DW50_2400_10LED_5.2S_CLO_L90_727 **Lumen Output:** 2.40klm **Luminaire Wattage:** 16 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_DW50 BL1_3800_20LED_5.2S_CLO_L90_727 **Lumen Output:** 3.80klm **Luminaire Wattage:** 23 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
	Wayfinding bollards
	Denotes direction of travel for raise/lower lighting column
P*	**UNIT NUMBERING KEY:** Private lighting unit identification number
TBC	**ELECTRICAL CONNECTION TYPE:** Electrical supply to be confirmed by others
	LIGHTING ISOLUX CONTOUR KEY: 4.5 Isolux contour line 3.0 Isolux contour line 1.0 Isolux contour line 0.6 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

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

ROAD & PARKING AREA 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%)

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN - BASE DRAWING USED 'PIN100360-MBC-ZZ-ZZ-DR-A- Site Layout Base - P01.14 market option'	20/02/2026	BR
R1	BASE DRAWING USED 'PIN100360-MCB-ZZ-ZZ-DR-A-0230-D5-P01-Site Layout Plan' & AMENDMENT COMMENTS	18/03/2026	BR

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Project title
PINEWOOD, OAKHAM PARK

Drawing title
PRIVATE STREET LIGHTING DESIGN
SHEET 1 OF 2

Prepared by BR	Checked by HC
Scale 1:500 @ A1	Date 18/03/2026
Drawing Number MMA20118/001	Revision Details R1