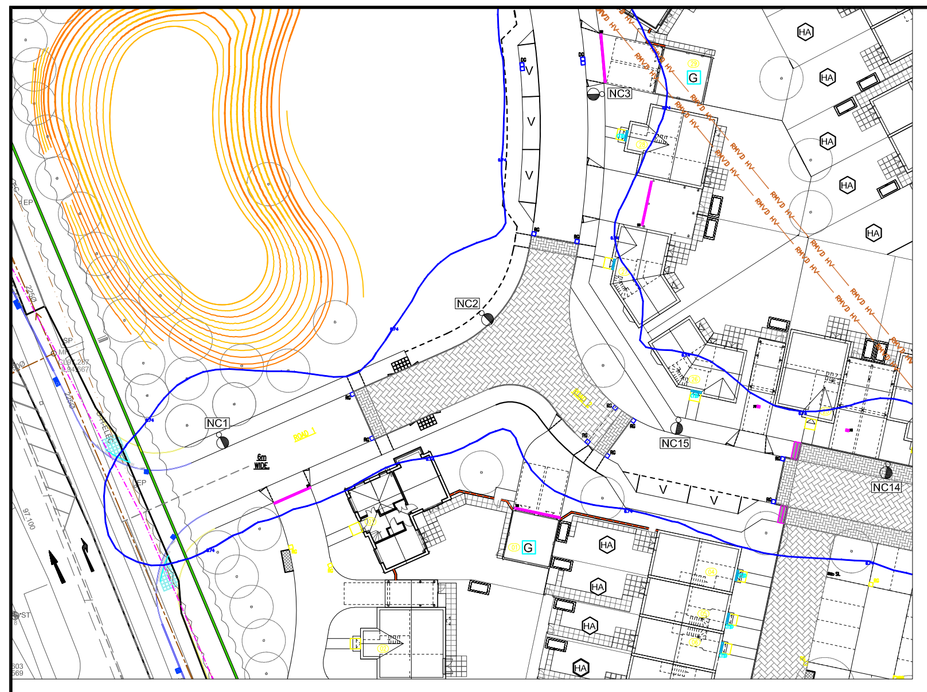

**Unless overruled in the Design Brief the Luminaires shall be pre-programmed as follows:**

| | |
|---|---|
| **Lighting up to 20:00** | **100% of design light output.** |
| **20:00 to 23:00** | **70% of design light output.** |
| **23:00 to 05:00** | **50% of design light output.** |
| **05:00 to 06:00** | **70% of design light output.** |
| **06:00 to switch off** | **100% of design light output.** |

**TREE NEAR COLUMN NC27 WILL NEED TO BE REMOVED OR RELOCATED.**

**PROVIDED STATS SHOW THERE ARE OVERHEAD HV CABLES THAT ARE TO BE GROUNDED AND DIVERTED THROUGH THE SITE. THE DIVERSION ROUTE IS YET TO BE DECIDED AND NOT SHOWN ON THIS PLAN. STATS SHOW NO MP/HP GAS WITHIN THE SITE. CORRECT/UP TO DATE STATS SHOULD BE OBTAINED BY THE CONTRACTOR/DEVELOPER, AND ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH GS6, G39/1 AND HSE REGULATIONS.**

**Note**

**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.**

**LIGHTING SHALL BE DIMMED AS PER THE REGIME BELOW UNLESS OTHERWISE STATED BY LOCAL AUTHORITY.**

Existing overgrown hedge along entire Eastern boundary and within redline ownership to be cut back and managed by a maintaintence company.


NORTH

# Street Lighting Key

| Quantity | Symbol | Description |
|---|---|---|
| 42 | | Proposed 6m galvanised steel lighting column as per BCC standard lighting column specification (specification supplied with design pack) with an Philips Micro Luma 2.80klm NW LED lantern (CODE: Luma Micro BGP615 DW10 2800 10LED 5,1S CLO L90 NW), to be post top mounted with a tilt of 0°. All new street lighting columns are to have a direct DNO feed and all luminaires are to be fitted with DALI enabled electronic driver, electronic ballast and a 7 pin NEMA socket with a one part 35/35 lux photocell. Lighting column base to be fitted with Lucy Trojan 'Midi' double pole isolator unit. Columns shall be factory finished to BS 4800 10-A-11 Charcoal Grey and the lantern shall be factory finished to RAL 7040. |
| 5 | R/L | Proposed 6m galvanised steel **Raise and Lower** lighting column as per BCC standard lighting column specification (specification supplied with design pack) with an Philips Micro Luma 2.00klm NW LED lantern (CODE: Luma Micro BGP615 DM10 2000 10LED 5,1S CLO L90 NW), to be post top mounted with a tilt of 0°. All new street lighting columns are to have a direct DNO feed and all luminaires are to be fitted with DALI enabled electronic driver, electronic ballast and a 7 pin NEMA socket with a one part 35/35 lux photocell. Lighting column base to be fitted with Lucy Trojan 'Midi' double pole isolator unit. Columns shall be factory finished to BS 4800 10-A-11 Charcoal Grey and the lantern shall be factory finished to RAL 7040. |
| 1 | | Proposed 6m galvanised steel lighting column as per BCC standard lighting column specification (specification supplied with design pack) with an Philips Micro Luma 2.80klm NW LED lantern (CODE: Luma Micro BGP615 DW50 2800 10LED 5,1S CLO L90 NW), to be post top mounted with a tilt of 0°. All new street lighting columns are to have a direct DNO feed and all luminaires are to be fitted with DALI enabled electronic driver, electronic ballast and a 7 pin NEMA socket with a one part 35/35 lux photocell. Lighting column base to be fitted with Lucy Trojan 'Midi' double pole isolator unit. Columns shall be factory finished to BS 4800 10-A-11 Charcoal Grey and the lantern shall be factory finished to RAL 7040. |
| | | Existing Overhead HV Electric Cable |
| | | Existing overhead HV Cables to be removed. |

**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, WE HAVE NOT SUBMITTED THIS DESIGN FOR TECHNICAL COMMENTS/APPROVAL.**

**WHEN SET OUT, THE LOCATIONS SHALL BE CHECKED BY THE CONTRACTORS SITE REPRESENTATIVE AND AGREED WITH AN APPOINTED LIGHTING ENGINEER FROM THE OVERSEEING ORGANISATION AND/OR LOCAL HIGHWAY AUTHORITY PRIOR TO INSTALLATION.**

**DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT VIEWING OF DRAWING SYMBOLS AND OR ANY PROPOSED CABLING.**

**ROADWAY DESIGNED IN ACCORDANCE WITH BS 5489: 2013 and BS EN 13201: 2015.**

**Lower Road, Stoke Mandeville S38 : -**

**Lighting Class P4 with 1.61 SP Ratio**

**Eave = 3.69 - 5.54 Lux**
**Emin = 0.74 Lux**

**MF - 0.72**

**NOTES:**

**All street lighting Improvements work to be carried out to the current Buckinghamshire County Council specifications and agreements. All works shall conform to CDD2015 regs.**

**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.**

**Numbers shown are for design purposes only. Actual numbers should be agreed with the street lighting engineer at Buckinghamshire County Council / Stoke Mandeville Parish Council.**

| | Amendment | Date | Initials |
|---|---|---|---|
| R0 | Initial Design. | 11.09.18 | SW |
| R1 | Base change and redesign of lighitng. | 29.11.18 | SW |
| R2 | Base change and redesign of lighitng. | 10.12.18 | SW |
| R3 | Base change and redesign of lighitng. | 19.03.19 | SW |
| R4 | Added road and amended columns. | 11.10.19 | SW |

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www.mma-consultancy.co.uk

| | |
|---|---|
| Project title | LOWER ROAD, STOKE MANDEVILLE SECTION 38 |
| Drawing title | STREET LIGHTING DESIGN |
| Prepared by | SW |
| Checked by | MC |
| Scale | 1:500 @ A1 |
| Date | 11.10.19 |
| Drawing Number | MMA14883/001 |
| Revision Details | R4 |