NORTH

Overhead HV cables to be removed and diverted

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UTILITIES KEY

INDICATIVE LOCATION OF EXISTING HV OVERHEAD CABLES TO BE REMOVED AND DIVERTED

## RESIDUAL DESIGN HAZARDS

Exact location of existing utility services to be determined on site.
Installation works should be carried out in accordance with the relevant standards including BS7671, G39/1 and the ILP GP03.

1. Existing Overhead 11kV Mains Cable to be removed

**Note:**

**PROVIDED STATS SHOW OVERHEAD HV MAINS CABLE IN THE AREA OF THE PROPOSED WORKS TO BE REMOVED AND DIVERTED.**

**PROVIDED STATS SHOW NO MP/HP GAS MAINS IN THE AREA OF THE PROPOSED WORKS.**

**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.**

## Street Lighting Key:

| Quantity | Symbol | Description |
|---|---|---|
| 21 | | Proposed 6m WSCC Spec Column with New TRT Lighting Aspect Amber WW 1,79klm LED lantern. (See specification below)<br><br>**Lighting Column -** Proposed 6m WSCC specification tubular steel column with post top mounted lantern (Galvanised column), Coating Amercoat 71P/PSX 700 polysiloxane and Amercoat 4560 GF epoxy glass flake root protection, Colour shall be Sherwood Green BS12C39,<br>**Lantern -** TRT Lighting Aspect Amber 1750k LED lantern 0 degree tilt,<br>**Code -** AS16_LED_29W_CLO_GR5_PCA_FG,<br>**Photo Cell -** Traffic routes Mayflower complete lighting control DALI internal node in each lantern, Switching to 35/18 part night<br>**Isolator -** Charles Endirect double pole isolator<br>**Supply -** Single Phase DNO Supply<br>**Glare -** G3 Class |
| 2 | | Proposed 6m WSCC Spec Column with New TRT Lighting Aspect Amber WW 1,34klm LED lantern. (See specification below)<br><br>**Lighting Column -** Proposed 6m WSCC specification tubular steel column with post top mounted lantern (Galvanised column), Coating Amercoat 71P/PSX 700 polysiloxane and Amercoat 4560 GF epoxy glass flake root protection, Colour shall be Sherwood Green BS12C39,<br>**Lantern -** TRT Lighting Aspect Amber 1750k LED lantern 0 degree tilt,<br>**Code -** AS16_LED_21W_CLO_GR5_PCA_FG,<br>**Photo Cell -** Traffic routes Mayflower complete lighting control DALI internal node in each lantern, Switching to 35/18 part night<br>**Isolator -** Charles Endirect double pole isolator<br>**Supply -** Single Phase DNO Supply<br>**Glare -** G3 Class |
| 2 | | Proposed 6m WSCC Spec Column with New TRT Lighting Aspect Amber WW 0,93klm LED lantern. (See specification below)<br><br>**Lighting Column -** Proposed 6m WSCC specification tubular steel column with post top mounted lantern (Galvanised column), Coating Amercoat 71P/PSX 700 polysiloxane and Amercoat 4560 GF epoxy glass flake root protection, Colour shall be Sherwood Green BS12C39,<br>**Lantern -** TRT Lighting Aspect Amber 1750k LED lantern 0 degree tilt,<br>**Code -** AS16_LED_14W_CLO_GR5_PCA_FG,<br>**Photo Cell -** Traffic routes Mayflower complete lighting control DALI internal node in each lantern, Switching to 35/18 part night<br>**Isolator -** Charles Endirect double pole isolator<br>**Supply -** Single Phase DNO Supply<br>**Glare -** G3 Class |
| 34 | | Proposed 4m Standard Spec Column with New TRT Lighting Aspect Amber WW 0,65klm LED lantern. (See specification below)<br><br>**Lighting Column -** Proposed 4m galvanised steel column with post top mounted lantern at 0 degrees BL All columns should be designed to BSEN40.<br>**Lantern -** TRT Lighting Aspect Amber 1750k LED lantern 0 degree tilt,<br>**Code -** AS16_LED_10W_CLO_GR5_PCA_FG<br>**Photo Cell -** 7 Pin NEMA Socket with Lucy Zodion ZCell LED Part-Night Photocell<br>**Isolator -** Charles Endirect double pole isolator<br>**Supply -** TBC By Others<br>**Glare -** G3 Class |

### Iso Lux Contour Key

- 2.00 Lux Iso Contour
- 1.00 Lux Iso Contour
- 0.40 Lux Iso Contour
- 0.10 Lux Iso Contour

**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.**

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

**ROADWAY DESIGNED IN ACCORDANCE WITH BS 5489-1:2020 & BS EN 13201-2:2015**

**Ford Road, Arundel Lighting Class: P6**

**Results required**

**Eav = 2.00 - 3.00 Lux**
**Emin = 0.40 Lux**

**NOTES:**

**All street lighting improvements work to be carried out to the current West Sussex County Councils 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.**

**Lighting columns will be installed to the rear or footpath or in verge to clearance of BS5489. Columns and signs where possible will be installed with the door aperture aligned so looking at it you will be facing oncoming traffic. Access must be unrestricted from the highway;**

**50kph or less = 0.8m set back**
**80kph = 1m set back**
**100kph / 120kph = 1.5m set back**

**All new columns are to have post top mounted lanterns unless otherwise stated on drawing.**

**Numbers shown are for design purposes only. Actual numbers should be agreed with the street lighting engineer at West Sussex County Council.**

| | Amendment | Date | Initials |
|---|---|---|---|
| R0 | Initial Design | 25.11.20 | AL |
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**THIS DEVELOPMENT IS SITUATED IN AN ECOLOGICALLY SENSITIVE AREA. BATS HAVE BEEN IDENTIFIED ROOSTING WITHIN THE SURROUNDING AREA. THEREFORE A SENSITIVE LIGHTING SCHEME SHALL BE ADOPTED TO REDUCE THE IMPACT ON WILDLIFE AND THE WIDER LANDSCAPE. INSTITUTION OF LIGHTING PROFESSIONALS (ILP), BAT CONSERVATION TRUST LIGHTING GUIDANCE (AUGUST 2018) & ILP GUIDANCE NOTES FOR THE REDUCTION OF OBTRUSIVE LIGHT; 2020 SHALL BE TAKEN INTO CONSIDERATION FOR THIS SCHEME**


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Project title
FORD ROAD, ARUNDEL
S38 & PRIVATE

Drawing title
INDICATIVE LIGHTING DESIGN DRAWING

| | | | |
|---|---|---|---|
| Prepared by | AL | Checked by | MD |
| Scale | 1:500 @ A0 | Date | 25.11.2020 |
| Drawing Number | MMA16090/001 | Revision | R0 |

ARUN DISTRICT COUNCIL 48/2020/OUT