CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:–

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.



Key Plan

Lighting Legend:

Adopted Road Streetlight

Column: 6m tapered aluminium column with flush mounted doors and root mounted base.
Colour: Architect to specify.
Lantern: Luma Micro
Light Source: DW50_1400_6LED
Flux: 1.40klm
Optic: LED-HB5.1S CW
Lantern Mounting: Post Top
Switch Controls: Information to be provided by West Sussex County Concil.

Private Road Streetlight

Column: 6m tapered aluminium column with flush mounted doors and root mounted base.
Colour: Architect to specify.
Lantern: Luma Micro
Light Source: DW50_1400_6LED
Flux: 0.80klm
Optic: LED -HB 5.1S CW
Lantern Mounting: Post Top
Switch Controls: Information to be provided by Barratt David Wilson

Lux Contour Key (lux):

0.40
1.75
2.75

Results:

Results - Horizontal Illuminance (lux)
Eav= 2.43
Emin= 0.60
Emax= 4.54
Emin/Emax= 0.13
Emin/Eav= 0.25

Safety, Health and Environmental Information

In addition to the hazards/risks normally associate with the types of work detailed on this drawing, note the following residual risks.
Construction:
Existing drainage in the vicinity
Existing & proposed services in the vicinity. Refer to services drawings for positions.
Maintenance/Cleaning:
As per construction
Use:
None
Decommissioning/Demolition:
As per construction
The contractor is to satisfy himself of all underground networks prior to any digging, the contractor is to maintain cable networks of all equipment that is not part of the works but may be fed from equipment associated with the works.

Notes:

1. This drawing is to be read in conjunction with the relevant specification and all other related drawings issued by the engineer.
2. All adoptable street lighting locations are subject to West Sussex County Council approval.
3. Refer to RSK Report. 133647 Drove Lane, Yapton Lux Coverage for Calculations.
4. The proposed layout has been designed to meet the requirements of the following target lighting classes.
   Section 38 Areas - P5
5. This design has been prepared in accordance with HEA-HEMSA Guidance Note - CDM 2015 Regulations, Issue 1.1, dated 09.04.15.
   5.1. Procedure 3 - Detailed design - based on information provided by the client.
6. Works to be carried out in accordance with this drawing and West Sussex County Council detailed drawings and design guidance .
7. This design has been prepared in accordance with The Institute of Lighting Engineers - "Guidance notes for the reduction of obstrusive light" 2005 and "Bats and artificial lighting in the UK" Guidance Note 08 / 18.
8. All apparatus to be installed and tested in accordance with BS7671 latest edition. Also numbered/labelled as agreed with the West Sussex County Council engineer.
9. This was calculated with a maintenance factor of 0.83 as per West Sussex County Council Lighting of Developer Promoted Highway Schemes in West Sussex
10. All proposed equipment is to be connected to the DNO LV network.
11. If columns cannot be installed as set out in this drawing the designer is to be consulted for alternative positions.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
C	14.08.2020	Column positions updated following latest layout.	MFP	SM	SM
B	13.07.2020	Issued to support reserved matters application.	MFP	SM	SM
A	02.07.2020	Issued for Review.	MFP	SM	SM

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Client: BARRATT HOMES built around you / DAVID WILSON HOMES

Project Title: DROVE LANE, YAPTON

Status: PRELIMINARY

Drawing Title: EXTERNAL LIGHTING LAYOUT SHEET 1

Drawn	Date	Checked	Date	Approved	Date
MFP	01.07.2020	SM	02.07.2020	SM	02.07.2020

Scale	Orig Size	Dimensions
1:250	A0	Metres

Project No.: 133647
Drawing File: 133647-RSK-CIV-1-4030-4033 External Lighting Layout.dwg
Drawing No.: PLN_1_4030
Rev.: C

Scale 1:250
0 2.5 5 7.5 10 12.5m