



CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-
1. There will be deep excavations for structures and drainage systems. This is a high risk, high severity hazard. The contractor should provide protection and support in accordance with health and safety legislation. It is known that the groundwater is shallow in winter months, care to be taken to prevent collapse of the excavation.
2. Live Services - risks to contractor's personnel - Seek written confirmation from Statutory Authority and/or Building's owner that all live services - especially electricity services - have been disconnected or diverted prior to construction. If any services are to remain live during the construction work, ensure that the locations of these are identified and clearly marked. All operatives are to be made aware of their presence. Employ hard digging management to any known live services. This includes, but is not limited to, services located in Drive Lane and the 82253.
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.

Lighting Legend:

Adopted Road Streetlight

Private Road Streetlight

Column: 6m tapered aluminium column with flush mounted doors and root mounted base.
Colour: Architect to specify.
Lantern: Philips Luna Micro
Light Source: BGF702 DW50 BLED
Flux: 1.40klm
Optic: LED-HB5,25 740 CW
Lantern Mounting: Post Top
Switch Controls: Information to be provided by West Sussex County Council.

Column: 6m tapered aluminium column with flush mounted doors and root mounted base.
Colour: Architect to specify.
Lantern: Philips Luna Micro
Light Source: BGF702 DW50 BLED
Flux: 0.80klm
Optic: LED-HB5,25 740 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)
Emin 2.34
Emax 0.57
Emin/Emax 4.81
Emin/Emax 0.12

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 piling, 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, 133981 Drive Lane, Yapton Lux Coverage for Calculations.
4. The proposed layout has been designed to meet the requirements of the following target lighting classes.
Section 30 Areas - P5
5. This design has been prepared in accordance with HEA-HEMSA Guidance Note - CDM 2015 Regulations, Issue 1.1, dated 08/04/15.
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 obtrusive light" 2020 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.
12. This drawing is for column positions and lux coverage only, supply services to the columns by others.

E	15.11.2021	Issued for Construction. Updated to latest site layout.	MFP	SM	SM
D	05.07.2021	Issued for Construction	JC	SM	SM
C	15.05.2021	Updated to latest architects layout.	MFP	SM	SM
B	20.01.2021	Issued for tender.	MFP	SM	SM
A	15.12.2020	Issued for information.	MFP		
Rev.	Date	Amendment	Drawn	Chkd.	Appt.

RSK

LAND & DEVELOPMENT ENGINEERING LTD

18 Fingern Road
Hemel Hempstead
Herts SG1 1BT
United Kingdom

Tel: +44 (0) 1462 437500
Fax: +44 (0) 1462 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

BARRATT DAVID WILSON HOMES

build around you

Client

DAVID WILSON HOMES

Project Title

DROVE LANE,
YAPTON
WEST SUSSEX

Status

CONSTRUCTION

Drawing Title

EXTERNAL LIGHTING LAYOUT
(SHEET 1 OF 4)

Drawn Date

18.12.2020

Checked Date

11.01.2021

Approved Date

11.01.2021

Scale

1:250

Orig Size

A0

Dimensions

Metres

Project No.

133981

Drawing File

133981-CIV-1-4032-4035 External Lighting Layout.dwg

Drawing No.

CIV-1-4032

Rev.

E

Scale 1:250

0 2.5 5 7.5 10 12.5m