



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

- 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.
- 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.



Key Plan

Lighting Legend:

Adopted Road Streetlight

Column: 6m tapered aluminum column with flush mounted doors and root mounted base.
Colour: Architect to specify.
Lantern: Philips Luma Micro
Light Source: BGPT02 DW50 6LED
Flux: 1.40km
Optic: LED-HB5.2S 740 CW
Lantern Mounting: Post Top
Switch Controls: Information to be provided by West Sussex County Council.

Private Road Streetlight

Column: 6m tapered aluminum column with flush mounted doors and root mounted base.
Colour: Architect to specify.
Lantern: Philips Luma Micro
Light Source: BGPT02 DW50 6LED
Flux: 0.80km
Optic: LED-HB5.2S 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)
E_{min} 2.34
E_{min} 0.57
E_{min} 4.81
E_{min}/E_{max} 0.12

Safety, Health and Environmental Information

In addition to the hazards/risks normally associated 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:

- This drawing is to be read in conjunction with the relevant specification and all other related drawings issued by the engineer.
- All adoptable street lighting locations are subject to West Sussex County Council approval.
- Refer to RSK Report, 133981 Drive Lane, Yapton Lux Coverage for Calculations.
- The proposed layout has been designed to meet the requirements of the following target lighting classes.
Section 36 Areas - P5
- 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.
- Works to be carried out in accordance with this drawing and West Sussex County Council detailed drawings and design guidance.
- 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.
- 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.
- 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.
- All proposed equipment is to be connected to the DNO LV network.
- If columns cannot be installed as set out in this drawing the designer is to be consulted for alternative positions.
- 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.	Appd.

RSK
LAND & DEVELOPMENT ENGINEERING LTD

18 Fingern Road
Hemel Hempstead
Herts SG1 1HT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
BARRATT
BUILD around you

DAVID WILSON HOMES

Project Title
**DROVE LANE,
YAPTON
WEST SUSSEX**

Status
CONSTRUCTION

Drawing Title
**EXTERNAL LIGHTING LAYOUT
(SHEET 2 OF 4)**

Drawn	Date	Checked	Date	Approved	Date
MFP	18.12.2020	SM	11.01.2021	SM	11.01.2021

Scale	Orig Size	Dimensions
1:250	A0	Metres

Project No.	Drawing File
133981	133981-01-14-2021-0001-External Lighting Layout.dwg

Drawing No.	Rev.
CIV-1-4033	E

Scale 1:250
0 2.5 7.5 10 12.5m