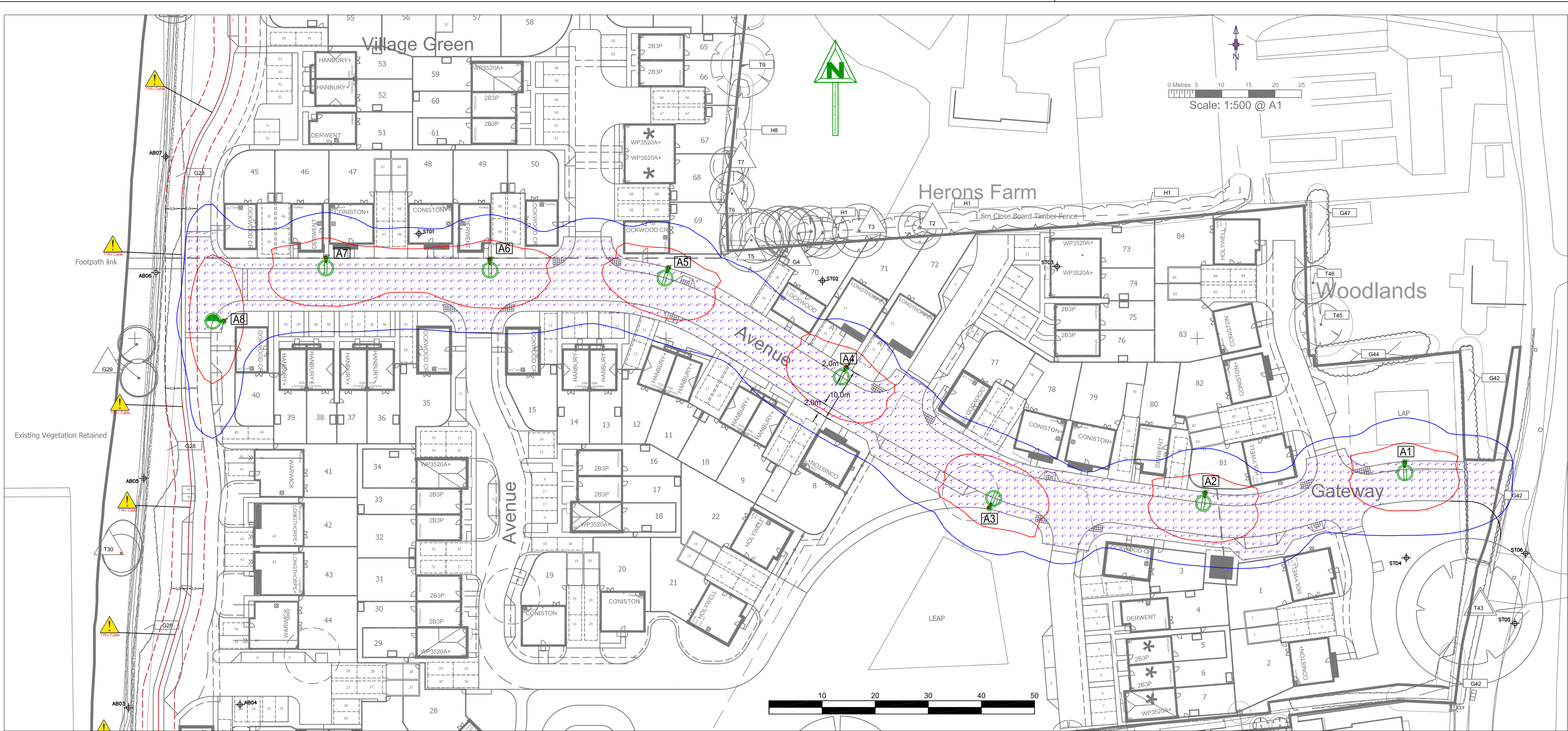




Notes

- All columns and signs shall be serviced via DNO supplies and fitted with a 25A fuse.
- Columns shall be fitted with secondary isolation above the DNO cut out. The Unit shall be as Sussex County Council specification i.e. Charles Endirect LSI-02 with a 32A Isolator and as BS89 Fuse Carrier. Fuse discrimination shall comply with BS7671 between the DNO cut out and the secondary isolation.
- Where needed a sub fuses for external sub circuits shall be fitted with 10A BS 89 fuses with a 6A fuse in the external sign. Fuse discrimination shall comply with BS7671.
- Prior to any excavation the contractor shall have reviewed the existing services in the area of the excavation. Residual risks where known have been indicated. The have been based upon design drawing and may have changed at construction stage. Where there are known services in the vicinity of excavations the Contractor shall ensure hand digging is carried out with care. The Contractor shall arrange for statutory undertakers plant to be marked on site prior to excavation.
- In this instance the use of 3 dimensional masking has not been used to take into consideration the actual position of high sided objects such as buildings and the like. Trees and shrubs etc have not been considered as their masking ability will vary with seasonal conditions.
- Iso contours produced in this drawing have been created using a conventional symmetrical grid. This does not take into account the spacing or weightings as detailed in BS5489 or BS EN 13201-3:2003
- Equipment shown on this drawing is available through most specialist street lighting electrical distributors like Electrical lighting Solutions (www.elids.co.uk), Marwood Electrical (www.marwoodelectrical.co.uk) or Maclean Electrical (www.macleanelectrical.co.uk)
- Copies of the original lighting reality calculations available upon request please send a email to mail@nicksmithassociates.com quoting the project number.
- This design has been prepared in accordance with BS5489-1:2013 the use of S/P ratios has not been used.
- Lighting columns:
Subsidiary roads
71/PSX 700 polysioxane and Amercoat 4560 GF epoxy glass fibre root protection.
Columns designed to take an additional loading of a 0.6 metre square sign plate, Colour as specified by the Authority.

Key

- Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP615 DW50 1800 12 LED 304ma 5S CLO L90 WW) at zero degree tilt, integral driver with Dali control, Mayflower six pin NEMA socket, 35 lux on and 18 lux off photocell and Mayflower Internal GPS node.
- Proposed steel galvanised 6m column with post mounted Philips Luma Micro (BGP615 DN10 1800 12 LED 304ma 5S CLO L90 WW) at zero degree tilt, integral driver with Dali control, Mayflower six pin NEMA socket, 35 lux on and 18 lux off photocell and Mayflower Internal GPS node.
- Project column number (final number to be supplied Local authority)
- Existing column number
- 2.0 lux iso-contour line
- 0.4 lux iso-contour line
- Wattage:13w
Charge Code : 42 013 0000 100
Switching Regime: 808
- The use of warm white LED and the lowest lighting class of P6 has been made deliberant due to the ecology report stating the presence of bats. This is likely to be a departure from the Standard Council specification

B	Changes to private column positions, 3 no removed, on drawing 02	RSS/NWS	11.05.20
A	Changes to private column positions, on drawing 02	RSS/NWS	07.05.20
REV	DETAILS	APP/DWN	DATE

Drawing Number	Revision
2624-D-01	-

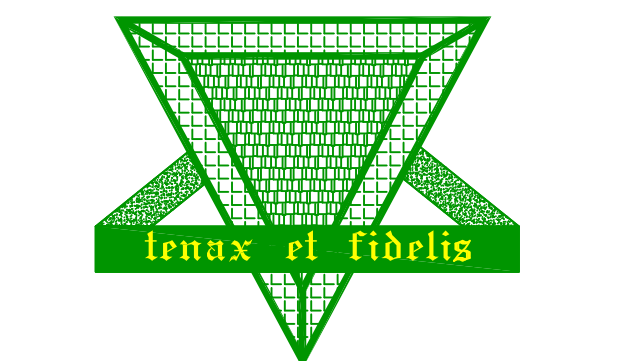
Client Persimmon Homes

Project Herons Farm, Dappers Lane, Angmering

Drawing Title Proposed Adopted Road Lighting and Illuminance Layout

Scale at A1 1-500	Sheet 1 of 1
Drawn NWS	Date 07.05.20

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Grid 1
Results - Horizontal Illuminance (lux)
Eave= 2.26
Emin= 0.48
Emax= 12.71
Emin/Eave= 0.04
Emax/Eave= 0.21
Emax/Eave= 5.62

Comparable Level of Lighting Classes from BS5489:2013									
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9
CE0	CE1	CE2	CE3	CE4	CE5	CE6	CE7	CE8	CE9

Summary of Lighting P Classes from BS5489:2013			
Class	Eave	E Min	E Ave Max
CE0	19 lux	3 lux	12.5 lux
CE1	16 lux	2 lux	10 lux
CE2	13 lux	1.5 lux	7.5 lux
CE3	10 lux	1 lux	5 lux
CE4	7.5 lux	0.75 lux	3.75 lux
CE5	5 lux	0.5 lux	2.5 lux
CE6	2.5 lux	0.25 lux	1.25 lux
CE7	1.25 lux	0.125 lux	0.625 lux
CE8	0.625 lux	0.0625 lux	0.3125 lux
CE9	0.3125 lux	0.03125 lux	0.15625 lux
P6	2 lux	0.4 lux	3 lux

The use of warm white LED and the lowest lighting class of P6 has been made deliberant due to the ecology report stating the presence of bats. This is likely to be a departure from the Standard Council specification