



MEC
Consulting Group

LIGHTING

Blackmore Farm, Melksham
Lighting Impact Assessment
January 2026

Report Ref: 30016-LIGH-0401-RevA



Blackmore Farm, Melksham

Lighting Impact Assessment

January 2026

REPORT REF: 30016-LIGH-0401-RevA

CLIENT: Barratt and David Wilson Homes South West

ENGINEER: MEC Consulting Group Ltd
The Old Chapel
Station Road
Hugglescote
Leicestershire
LE67 2GB

Tel: 01530 264 753
Email group@m-ec.co.uk

REGISTRATION OF AMENDMENTS

Date	Rev	Comment	Prepared By	Checked By	Approved By
December 2025	-	First issue	Nathan Allen MEnvSci Associate Environmental Consultant	Callum Astle BA (Hons) MSc Assistant Environmental Consultant	Tim Rose BA (Hons) MCIHT MTPS Regional Director
January 2026	A	Updated site layout	Humza Ahmed BSc (Hons) Assistant Environmental Consultant	Nathan Allen MEnvSci Associate Environmental Consultant	Tim Rose BA (Hons) MCIHT MTPS Regional Director

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APPENDICES

- A. PROPOSED SITE LAYOUT
- B. LUX CONTOUR PLOTS

1.0 INTRODUCTION

General

- 1.1 MEC Consulting Group Ltd (MEC) has been commissioned by Barratt and David Wilson Homes South West to undertake a Lighting Impact Assessment for a proposed residential development for Phase 1 of Land at Blackmore Farm, Melksham. A site location plan is provided in Figure 2.1 and in **Appendix A**.
- 1.2 This report is being produced to assist in the discharge of condition 20 which states:

“20 – No External lighting shall be installed onsite for each phase of the development until plans showing the type of light appliance, the height and position of fitting, illumination levels and lights spillage have been submitted to and approved within the appropriate Environmental Zone standards set out by the Institution of Lighting Professionals (ILP) Guidance Note GN08.23 “Bats and artificial light at night” issued by the Bat Conservation Trust and Institution of Lighting Professionals”.

- 1.3 The following is an extract from the Ecology Environmental Statement Chapter in relation to lighting across the wider site:

“Indicative dark corridors for the Proposed Development are shown on the Ecological Constraints and Opportunities Plan (ECOP); refer to Figure 10.3. Dark corridors are defined as having a light level of <0.5lux extending to a minimum of 5m from the edge of an identified ecological feature e.g. woodland, hedgerow, stream. Indicative bat ‘hop-over’ points are also shown on the ECOP (refer to Figure 10.3) to demonstrate the potential to ensure bat flight connectivity across the Proposed Development; e.g. following the minor removal of hedgerows for road access. The lighting assessment would include an updated ‘Bat Dark Corridor Plan’ (including the identified bat roosts on/adjacent to the Site and the proposed bat ‘hop-overs’). The detailed design of the Proposed Development would seek to demonstrate compliance with this Plan. Justifications for any deviation from the Bat Dark Corridor Plan would be set out clearly in the lighting assessment.”

- 1.4 This report assesses, in terms of artificial lighting, the likely effects of the proposed development. The lighting assessment includes information on the baseline lighting conditions within the area, quantitatively assesses the potential effects of the proposed lighting on surrounding sensitive receptors and if required considers possible mitigation measures to reduce potential light spill onto ecological receptors and upward light (which can create sky glow). Indicative illuminance lux plot for exterior areas of the proposed development is included in **Appendix B**.

Disclaimer

- 1.5 MEC has completed this report for the benefit of the individuals referred to in paragraph 1.1 and any relevant statutory authority which may require reference in relation to approvals for the proposed development. Other third parties should not use or rely upon the contents of this report unless explicit written approval has been gained from MEC.

1.6 MEC accepts no responsibility or liability for:

- a) The consequence of this documentation being used for any purpose or project other than that for which it was commissioned;
- b) The issue of this document to any third party with whom approval for use has not been agreed.

2.0 SITE DESCRIPTION

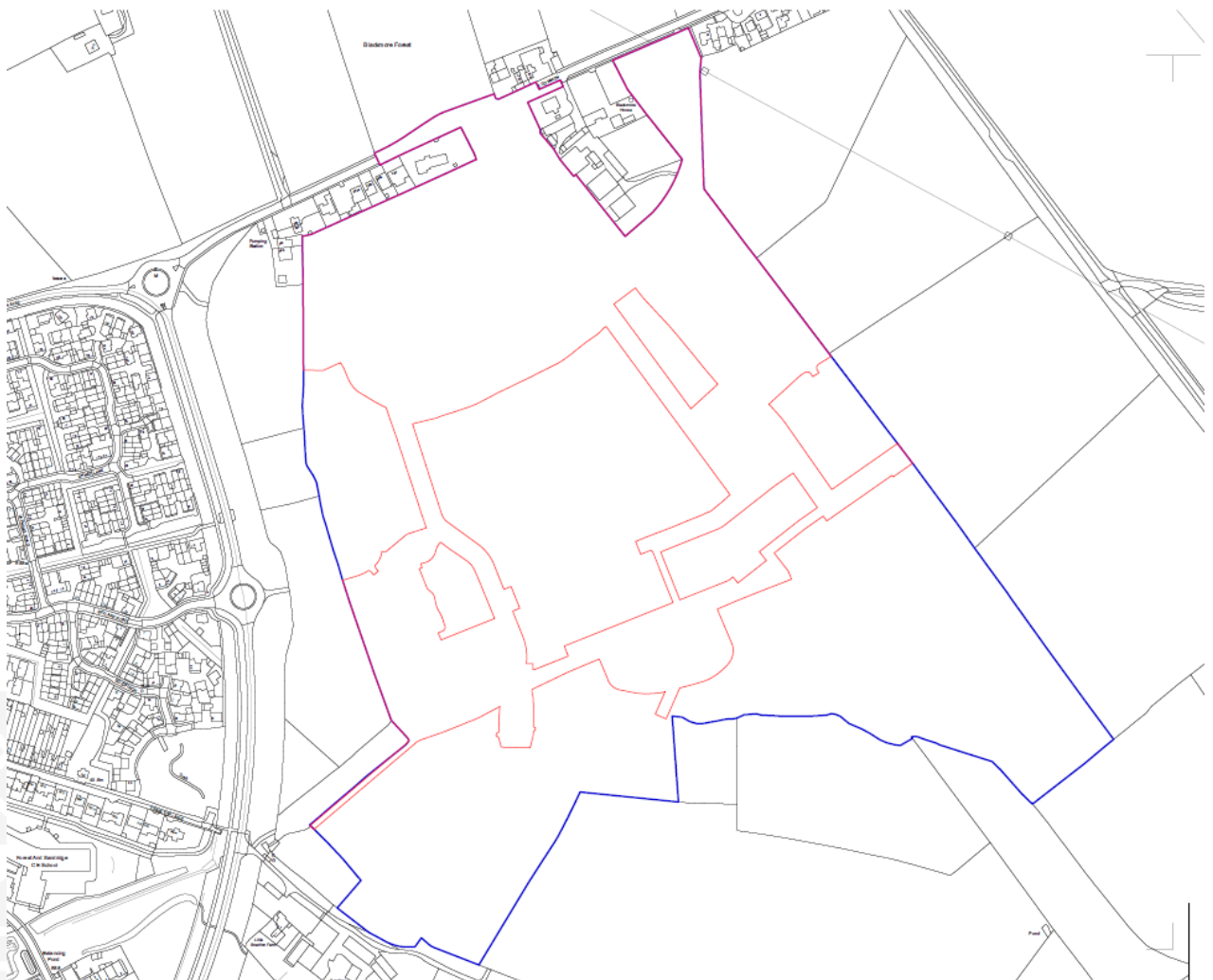
Existing Site

2.1 The proposed site is currently comprised of arable farmland. The site is bound by:

- Sandridge Common to the north, with the main source of light from street lighting,
- Arable fields to the east and south, with no major sources of light, and;
- Eastern Way to the west, with the main source of light from street lighting.

2.2 A site location plan is provided in Figure 2.1 below.

Figure 2.1: Site Location Plan



3.0 POLICY AND GUIDANCE

Environmental Protection Act 1990 / Clean Neighbourhoods and Environment Act 2005

- 3.1 Light pollution was introduced within the Clean Neighbourhoods and Environment Act (2005) as a form of statutory nuisance under the Environmental Protection Act (the 'EPA', 1990), which states: *"artificial light emitted from premises so as to be prejudicial to health or nuisance."*

National Planning Policy Framework

- 3.2 The National Planning Policy Framework (NPPF), published in December 2024, sets out the governments planning policies for England and how they are expected to be applied, and provides a framework for local plans. With regards to lighting, the following is stated:

"198. Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:

C) Limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes and nature conservation."

National Planning Practice Guidance November 2019 Lighting

- 3.3 This report also has taken into account the relevant questions the PPG advises on how to consider light within the planning system detailed below:

- What light pollution considerations does planning need to address?
- What factors can be considered when assessing whether a development proposal might have implications for light pollution?
- What factors are relevant when considering where light shines?
- What factors are relevant when considering when light shines?
- What factors are relevant when considering how much the light shines?
- What factors are relevant when considering possible ecological impacts of lighting?
- What other information is available that could inform approaches to lighting and help reduce light pollution?

Relevant British Standards and Design Mitigation

- 3.4 The most applicable British Standards for lighting that relates to the proposed development are:
- BS EN 12464-2 Lighting of Work Places – Outdoor Work Places, 2014
 - BS 5489-1:2020 Code of practice for the design of road lighting Part 1: Lighting of roads and public amenity areas

Institute of Lighting Professional Documents

3.5 The following Institute of Lighting Professional (ILP) guidance documents have been consulted with regard to lighting from the proposed development:

- PLG 04 Guidance on Undertaking Environmental Lighting Impact Assessments, ILP, 2013
- Guidance Notes for the Reduction of Obtrusive Light, ILP, 2021
- Guidance Note 08/23 Bats and Artificial Lighting in the UK ILP, 2023

4.0 ASSESSMENT METHODOLOGY

4.1 Guidance notes produced by the Institution of Lighting Professionals are among the most commonly referenced guidance notes for good practice within the lighting design industry.

4.2 The methodology of this report is as follows:

- Identify the environmental zone of the site and surrounding sensitive receptors in accordance with ILP GN01/21 and PLG 04,
- Produce a detailed 3D model using industry-standard light modelling software and quantitatively assess the following parameters; light intrusion and upward light spill/sky glow; and;
- If required, consider possible mitigation measures to reduce potential light intrusion onto ecological receptors, and upward light (which can create sky glow).

4.3 In accordance with Guidance Notes for the Reduction of Obtrusive Light, the following definitions are used to describe lighting effects in this assessment:

- Light intrusion – light intrusion into ecologically sensitive areas (the spilling of light beyond the boundary of a zone which may cause a nuisance to light-sensitive species).
- Skyglow – a combination of direct upward light and indirect upward light, (the upward spill of light into the sky which can cause a glowing effect and is often seen above cities when viewed from a dark area).

4.4 The ILP Guidance Notes for the Reduction of Obtrusive Light: GN01/21 define environmental zones appropriate to the location of the proposed development shown in Table 4.1:

Table 4.1: Environmental Zones

Zone	Surrounding	Lighting Environment	Examples
E0	Protected	Dark (SQM 20.5+)	Astronomical Observable dark skies, UNESCO starlight reserves, IDA dark sky places
E1	Natural	Dark (SQM 20 to 20.5)	Relatively uninhabited rural areas, National Parks, Areas of Outstanding Natural Beauty, IDA buffer zones etc.
E2	Rural	Low district brightness (SQM ~15 to 20)	Sparsely inhabited rural areas, villages or relatively dark outer suburban locations
E3	Suburban	Medium district brightness	Well inhabited rural and urban settlements, small-town centres of suburban locations
E4	Urban	High district brightness	Town/city centres with high levels of night-time activity

4.5 The environmental zone appropriate for the proposed development is considered to be **Zone E2**. The obtrusive light limits defined in ILP GN01/21 are summarised in Tables 4.2 to 4.3.

Table 4.2: Maximum values of vertical illuminance on properties

Application conditions	Environmental Zone				
	E0	E1	E2	E3	E4
Pre-curfew (07:00-23:00)	n/a	2lx	5lx	10lx	25lx
Post-Curfew (23:00-07:00)	n/a	<0.1 lx*	1lx	2lx	5lx
*Note: If the installation is for public (road) lighting then this may be up to 1 lx.					

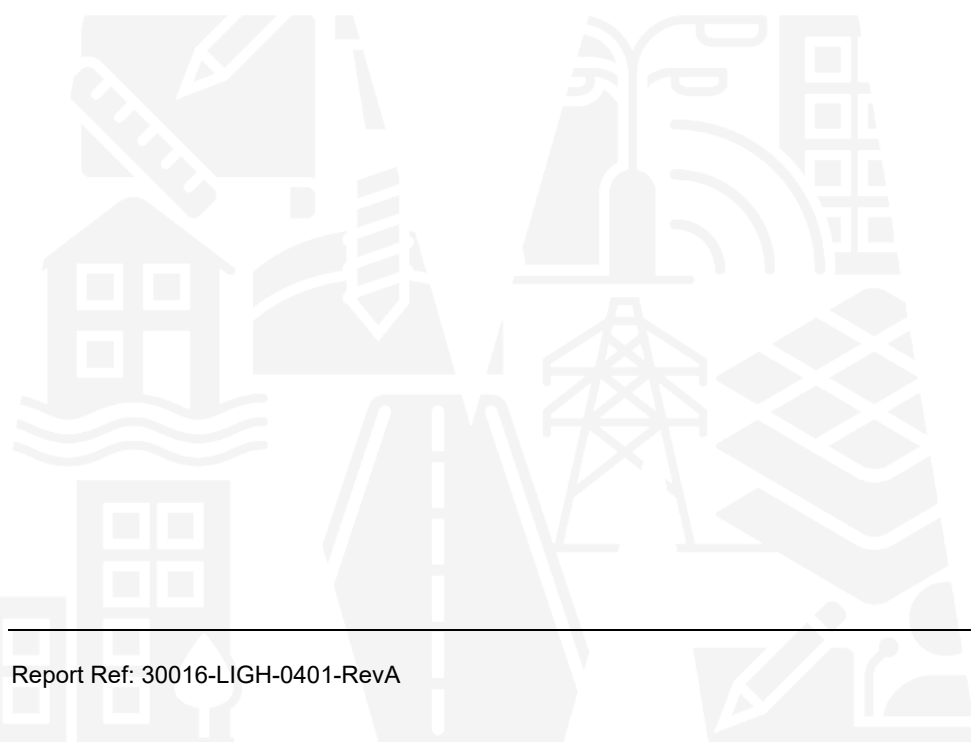
- 4.6 Skyglow is the brightening of the night sky caused by artificial lighting resulting from the reflection of radiation (visible and non-visible); ULR (Upward Light Ratio) is the maximum permitted percentage of luminaire flux that goes directly into the sky. The ILP limits for ULR are shown in Table 4.3 below

Table 4.3: Maximum values of upward light ratio (ULR) of luminaries

Application conditions	Environmental Zone				
	E0	E1	E2	E3	E4
Upward Light ratio (ULR)/%	0	0	2.5	5	15

5.0 BASELINE CONDITION

- 5.1 A site visit has not been undertaken, however, due to the presence of light-sensitive species such as bats along the boundary of the site, it has been assumed for the basis of this report that lighting levels along the boundary of the site from the existing site conditions will be 0.0lux.



6.1 Following a desktop survey of the site and having liaised with the project team, the following light-sensitive ecological receptors have been identified:

Figure 6.1: Ecological Receptor Locations



Ecological receptors

- 6.2 The ILP Guidance Note 08/23 specifies that when a planning application includes additional artificial lighting, developers should ensure that a lighting assessment is done alongside an ecological assessment. Lighting can impact light-sensitive species such as bats by impacting roosting, commuting and foraging behaviour.
- 6.3 Following consultation with project ecologists, there is potential that a number of bat species are anticipated to use the treeline surrounding the site. Therefore, ecology receptors have been located along the woodland at a height of 1-6m. The locations of these receptors are visually presented in Figure 6.1, as well as in Table 6.1 below.

Table 6.1: Ecological Receptor Locations

Receptor	Location Description	Height (m)
E1	Eastern boundary of the site	1-6
E2	Eastern boundary of the site	1-6
E3	Eastern boundary of the site	1-6
E4	Eastern boundary of the site	1-6
E5	Eastern boundary of the site	1-6
E6	Eastern boundary of the site	1-6
E7	Dark corridor through the centre of the site	1-6
E8	Dark corridor through the centre of the site	1-6
E9	Dark corridor through the centre of the site	1-6
E10	Dark corridor through the centre of the site	1-6
E11	Dark corridor through the centre of the site	1-6
E12	Dark corridor through the centre of the site	1-6
E13	Dark corridor through the centre of the site	1-6
E14	Dark corridor through the centre of the site	1-6
E15	Dark corridor through the centre of the site	1-6
E16	Dark corridor through the centre of the site	1-6
E17	Dark corridor through the centre of the site	1-6

7.0 LIGHTING ASSESSMENT

7.1 A proposed site layout (**Appendix A**) was provided by the project architect for this development, and the lighting criteria has been discussed with the project team. A 3D model has been produced using a range of industry-standard light modelling software including Lighting Reality and Dialux, the model only considers the effect of solid structures so natural structures such as trees will be assessed qualitatively outside the model calculations.

7.2 This assessment considers lighting from windows. Only properties adjacent to the ecologically sensitive areas have been included.

7.3 The assessment currently considers 24 hours operation of the light fittings as a worst-case scenario.

Window Lighting

7.4 To model lighting from windows of a property, surveys have been undertaken at a number of different window sizes from existing properties similar to the proposed development.

7.5 Light monitoring was taken at distances of 1m, 3m and 10m from the window. Lighting levels within the properties were at a typical level with ceiling lights on.

7.6 Lighting measurements were taken at 1.5m. The results of the survey can be found in Table 7.1.

Table 7.1: Window Light Measurements

Receptor	Window Type	Lux at 1m	Lux at 3m	Lux at 10m
L1	Large French Doors to Living Room	9.47	6.55	0.01
L2	Medium-Sized Kitchen Window	7.53	3.44	0.05

7.7 It is also important to consider that the likelihood of every window being illuminated at the same time without curtains being drawn is extremely low, and that the lights have cladding in front of them. Therefore, this scenario represents the worst-case scenario. Curtains being drawn can reduce lighting levels by up to 80-90% depending on the type of curtain.

Ecology Receptors

7.8 The ILP Guidance Note 08/23 specifies that acceptable lux limits should be used to assess the impact of lighting upon ecological species including bats. Therefore, following consultation with project ecologists and the LPA, impacts will be considered significant where predicted vertical illuminance levels exceed 0.5 lux vertically. The results of this assessment can be found in Table 7.2 below.

Table 7.2: Ecology Receptor Results from Road Way Lighting

Receptor	Predicted model vertical illuminance 1m	Predicted model vertical illuminance 2m	Predicted model vertical illuminance 3m	Predicted model vertical illuminance 4m	Predicted model vertical illuminance 5m	Predicted model vertical illuminance 6m
E1	0.09	0.04	0.02	0.01	0.01	0.00
E2	0.01	0.01	0.01	0.00	0.00	0.00
E3	0.00	0.00	0.00	0.00	0.00	0.00
E4	0.00	0.00	0.00	0.00	0.00	0.00
E5	0.00	0.00	0.00	0.00	0.00	0.00
E6	0.00	0.00	0.00	0.00	0.00	0.00
E7	0.12	0.06	0.03	0.01	0.00	0.00
E8	0.09	0.04	0.02	0.00	0.00	0.00
E9	0.44	0.30	0.16	0.05	0.01	0.00
E10	0.12	0.05	0.01	0.00	0.00	0.00
E11	0.01	0.01	0.00	0.00	0.00	0.00
E12	0.24	0.17	0.13	0.08	0.03	0.00
E13	0.05	0.03	0.01	0.01	0.00	0.00
E14	0.14	0.09	0.05	0.02	0.01	0.00
E15	0.08	0.05	0.03	0.01	0.00	0.00
E16	0.40	0.21	0.11	0.06	0.02	0.00
E17	0.03	0.01	0.00	0.00	0.00	0.00

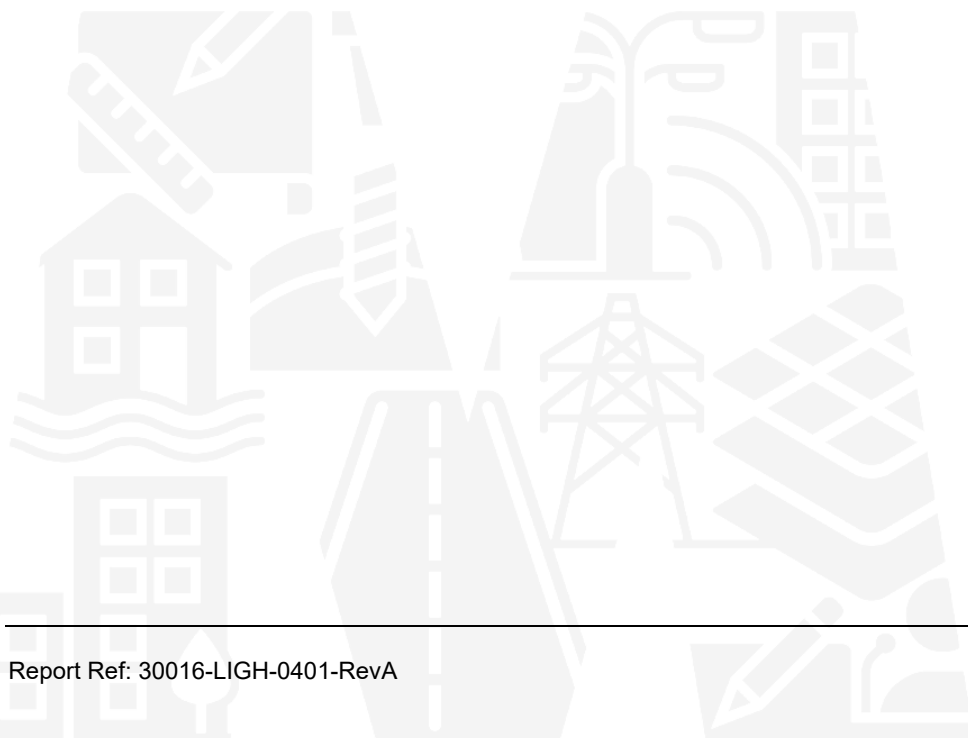
7.9 The results show that lux levels surrounding the development will be below 0.5 lux, therefore lighting is not anticipated to have a significant impact on any light-sensitive species using this space.

Table 7.3: Ecology Receptor Results from Internal Lighting

Receptor	Predicted model vertical illuminance 1m	Predicted model vertical illuminance 2m	Predicted model vertical illuminance 3m	Predicted model vertical illuminance 4m	Predicted model vertical illuminance 5m	Predicted model vertical illuminance 6m
E1	0.22	0.06	0.03	0.00	0.00	0.00
E2	0.19	0.10	0.08	0.00	0.00	0.00
E3	0.25	0.06	0.03	0.00	0.00	0.00
E4	0.07	0.03	0.02	0.00	0.00	0.00
E5	0.09	0.05	0.05	0.03	0.00	0.00

SkyGlow

- 7.10 The model has been used to calculate the predicted Upward Lighting Ratio (ULR) of the proposed external lighting scheme. Model outputs predict a sky glow figure (ULR) of 0.0%. As illustrated in Table 4.3, the ILP sky glow limitation for an area classified as Environmental Zone E2 is 2.5% ULR. As such the indicative lighting scheme meets the ILP sky glow limitations and is therefore not considered to result in detrimental impacts on the dark sky landscape.



8.0 CONCLUSIONS

- 8.1 MEC has been commissioned by Barratt and David Wilson Homes South West to undertake a Lighting Impact Assessment for a proposed residential development for Phase of Land at Blackmore Farm, Melksham.
- 8.2 With the proposed development in place, lighting from the site will not exceed the recommended ILP pre- and post-curfew criteria.
- 8.3 Lux levels along the light sensitive ecological areas surrounding the development will be below 0.5 lux, therefore lighting is not anticipated to have a significant impact on any light-sensitive species using this space.
- 8.4 The proposed lighting scheme will comply with all relevant British Standards and the Institution of Lighting Professionals lighting guidelines and will serve to ensure safety and security of all areas of the development can be effectively maintained.



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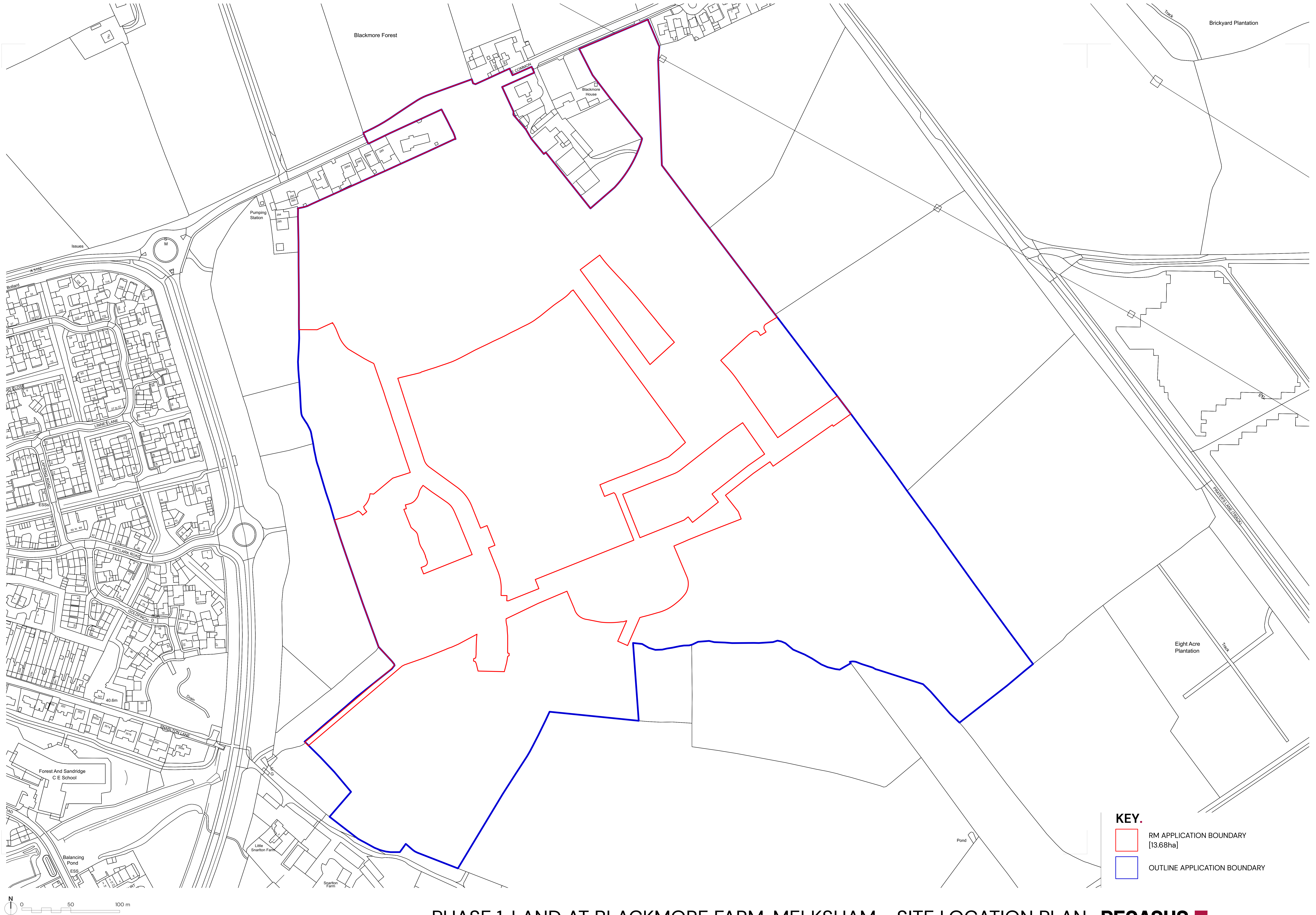
APPENDICES

Appendix A



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Issue:



PHASE 1, LAND AT BLACKMORE FARM, MELKSHAM – SITE LOCATION PLAN

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Issue:



KEY: SITE LAYOUT

APPLICATION BOUNDARY

SURFACE MATERIALS:

GARDEN/POS/HIGHWAY VERGE
(LANDSCAPING TO FOLLOW)

TARMACADUM

BLOCK PAVING

ENCLOSURE DETAILS:

1.8M HIGH BRICK WALL

1/2/1.8M HIGH FENCING
(SEE EXTERNAL WORKS)

LOW LEVEL HEDGEROW
(LANDSCAPING TO FOLLOW)

LANDSCAPING:

INDICATIVE TREE PLANTING
(LANDSCAPING TO FOLLOW)

OTHER:

BIN COLLECTION POINT

GATE/PERSONNEL DOOR

AFFORDABLE HOUSING
(SHARED OWNERSHIP)

AFFORDABLE HOUSING
(RENTED)

	Housetype	Sq.ft	Sq.m	St.	Beds	No's	Total Sqft	Total Sqm
BARRATT HOMES								
2B	Denford	624	58.0	2	2	4	2,496	232
	Kenley	624	58.0	2	2	9	5,616	522
3B	Maldstone	830	77.1	2	3	16	13,280	1,234
	Ellerton	830	77.1	2	3	14	11,620	1,080
	Moresby	854	79.3	2	3	5	4,270	397
	Ennerdale	917	85.2	2	3	4	3,668	341
	Bewdley	978	90.9	2	3	8	7,824	727
	Norbury	1,107	102.8	2.5	3	8	8,856	823
4B	Kingley	1,085	100.8	2	4	0	0	0
	Woodcote	1,217	113.1	2.5	4	0	0	0
	Hesketh	1,269	117.9	2.5	4	0	0	0
	Alfreton	1,483	137.8	2	4	0	0	0
	Radleigh	1,317	122.4	2	4	0	0	0
Sub Total (Open Market)						68	57,630	5,354

AFFORDABLE HOUSING								
SOCIAL/AFFORDABLE RENTED								
	Loughton	472	43.8	3	1	9	81	38232
1B1	1B1	655	60.9	3	1	9	81	53055
F	Hornsea	721	67.0	3	2	9	81	58401
	YB58*	538	50.0	2	1	2	6	3228
	YB59*	584	54.3	2	1	2	6	3504
	YB50	866	80.5	2	2	21	651	563768
2B	WHOG 2B	1130	105.0	2	2	2	24	27120
3B	YB52	1025	95.2	2	3	11	253	259325
	YB55	1049	97.5	2	3	4	40	41960
4B	YB54	1,167	108.4	2	4	0	0	0
5B	TYPE A5A	1,342	124.7	2.5	5	2	4	5368
*stretched/bespoke type to meet affordable mix						71		
SHARED OWNERSHIP								
2B	YB50	866	80.5	2	2	7	6,062	563
3B	YB52	1025	95.2	2	3	0	0	0
	YB55	1049	97.5	2	3	2	2,098	195
						9		

FIRST HOMES								
2B	Kenley	624	58.0	2	2	8	4,992	464
3B	Maldstone	830	77.1	2	3	7	5,810	540
	Moresby	854	79.3	2	3	1	854	79
Sub Total (Affordable)						45%	96	21,043 1,055,800

BARRATT TOTAL								
							164	78,673 1,061,154
REDROW								
3B	Letchworth	983	91.3	2	3	4	3,932	365
	Warwick	1,075	99.9	2	3	7	7,525	699
	Amberley	1,144	106.3	2	3	2	2,288	213
	Stratford	1,211	112.5	2	4	5	6,055	563
	Marlow	1,288	119.7	2.5	4	7	9,016	838
	Oxford	1,316	122.3	2	4	8	10,528	978
4B	Overton	1,410	131.0	2	4	3	4,230	393
	Shaftesbury (toolkit)	1,423	132.2	2	4	1	1,423	132
	Harrogate	1,553	144.3	2	4	4	6,212	577
	Ledsham (toolkit)	1,841	171.0	2	4	0	0	0
	Herley	1,768	164.3	2	5	0	0	0
5B	Hampstead	1,842	171.1	2	5	2	3,684	342
Sub Total (Open Market)							43	54,893 5,100

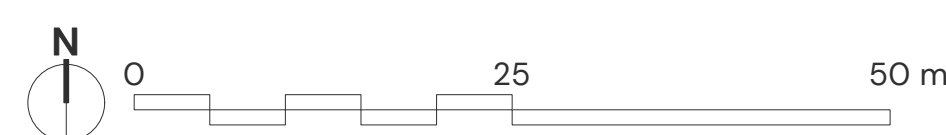
AFFORDABLE HOUSING								
SOCIAL/AFFORDABLE RENTED								
2B	Hadleigh	801	74.4	1	2	3	2,403	223
	Trent	868	80.6	2	2	2	1,736	161
3B	Stour	1,017	94.5	2	3	0	0	0
						5		
SHARED OWNERSHIP								
2B	Trent	868	80.6	2	2	0	0	0
3B	Stour	1,017	94.5	2	3	3	3,051	283
						3		
FIRST HOMES								
2B	Trent	868	80.6	2	2	9	7,812	124992
3B	Stour	1,017	94.5	2	3	5	5,085	472
Sub Total (Affordable)						29%	22	20,087 126,132
REDROW TOTAL							65	74,980 131,232

DRAFT

PHASE 1, LAND AT BLACKMORE FARM, MELKSHAM – SITE LAYOUT (SHEET 1 OF 2)

PEGASUSGROUP.CO.UK | TEAM/DRAWN BY: JBY | APPROVED BY: STH | DATE: 17/12/2025 | SCALE: 1-500@A0 | DRWG: P25-2391_DE_O2_C_01-1 | CLIENT: BARRATT REDROW |

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2ha

T101 - Common Oak
T102 - Common Oak
T103 - Common Oak
T104 - Common Oak
T105 - Common Oak
T106 - Common Oak
T107 - Common Oak
T108 - Common Oak
T109 - Common Oak
T110 - Common Oak
T111 - Common Oak
T112 - Common Oak
T113 - Common Oak
T114 - Common Oak
T115 - Common Oak
T116 - Common Oak
T117 - Common Oak
T118 - Common Oak

W130 - Field Maple, Spycorn, Ash, Hazel
W130 - Field Maple, Spycorn, Ash, Hazel

Temporary Building

Legend:
- NO STILE ACCESS TO PROW
- FINANCIAL PROVIDE SURFACE TO PROW MELW27 ACTED GRAVEL
- EXISTING NO STILE ACCESS
- English Elm

DRAFT

PHASE 1, LAND AT BLACKMORE FARM, MELKSHAM – SITE LAYOUT P1 (sheet 2 of 2)

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PHASE 1, LAND AT BLACKMORE FARM, MELKSHAM – SITE LAYOUT P1 (sheet 2 of 2)

| PEGASUSGROUP.CO.UK | TEAM/DRAWN BY: STH/THA | APPROVED BY: STH | DATE: 28/11/2025 | SCALE: 1-500@AO | DRWG: P25-2391_DE_02_A_01-2 | CLIENT: BARRATT REDROW |

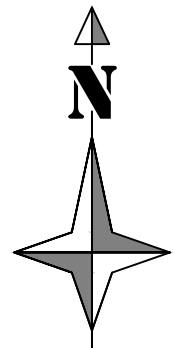


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APPENDICES

Appendix B





NOTES:

1. DO NOT SCALE THIS DRAWING.

STREET LIGHTING KEY			
QUANTITY 55		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 6m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 700mA 5433 FLAT GLASS 2.67KLM	
		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 8m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 700mA 5433 FLAT GLASS 2.67KLM	
		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 8m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 200mA 5366 FLAT GLASS 910 LUMENS	
QUANTITY 27		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 6m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 700mA 5433 FLAT GLASS 2.67KLM	
		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 8m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 700mA 5433 FLAT GLASS 2.67KLM	
		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 8m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 200mA 5366 FLAT GLASS 910 LUMENS	
QUANTITY 1		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 6m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 700mA 5433 FLAT GLASS 2.67KLM	
		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 8m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 700mA 5433 FLAT GLASS 2.67KLM	
		PROPOSED STREET LIGHTING COLUMN COLUMN HEIGHT: 8m PROJECTION: 0.3M POST TOP LANTERN MANUFACTURER: URBIS SCHREDER LANTERN NAME: AMPERA EVO 1 INCLINATION: 0° LAMP TYPE: 10LED 3000K WARM WHITE OPTIC: 200mA 5366 FLAT GLASS 910 LUMENS	
			7.5 LUX ISO CONTOUR
			5.0 LUX ISO CONTOUR
			1.0 LUX ISO CONTOUR
			0.6 LUX ISO CONTOUR
			SITE BOUNDARY

A	UPDATED SITE LAYOUT	HA	NA	TR	13.01.26
-	FIRST ISSUE	CA	NA	TR	17.12.25
REV:	AMENDMENTS:	DRN:	CHK:	APP:	DATE:

PROJECT:

BLACKMORE FARM,
MELKSHAM PHASE 1

DRAWING TITLE:

LUX CONTOUR
PLOT SHEET 1 OF 2

CLIENT:

BARRATT AND DAVID WILSON
HOMES SOUTH WEST

DRAWING NUMBER:

30016_02_100_02.1

REVISION:	A	SHEET SIZE:	A1	SCALE:	1:1000
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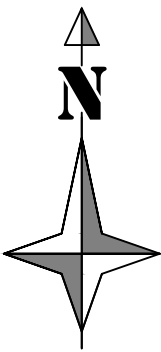
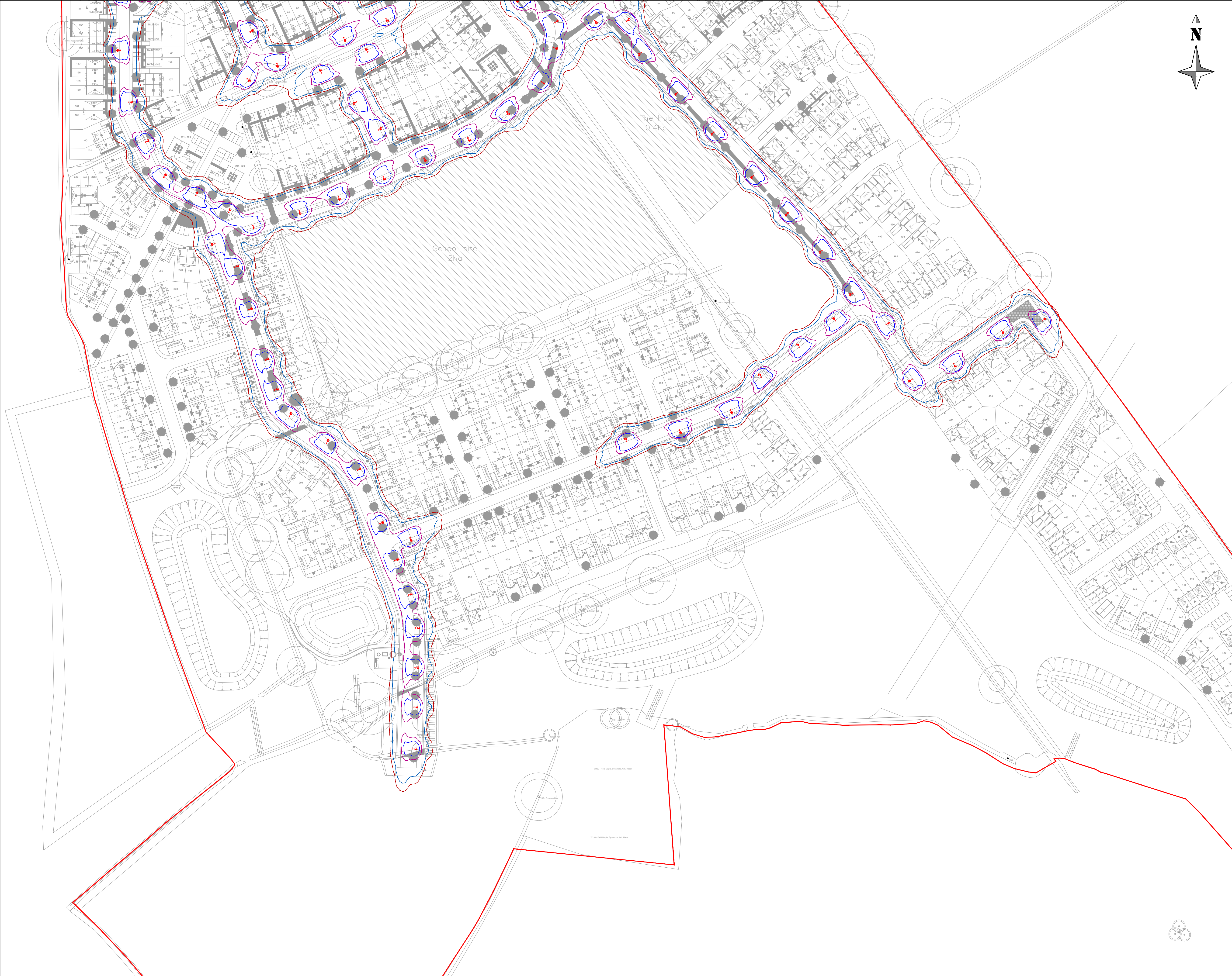
STATUS:

FOR INFORMATION / APPROVAL

MEC
Consulting Group
Birmingham | Brighton | Leicester

Telephone: 01530 264 753
Email: group@mec.co.uk
Website: www.m-ec.co.uk

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NOTES:
1. DO NOT SCALE THIS DRAWING.

STREET LIGHTING KEY

PROPOSED STREET LIGHTING COLUMN
COLUMN HEIGHT: 6m
PROJECTION: 0.3M POST TOP
LANTERN MANUFACTURER: URBIS SCHREDER
LANTERN NAME: AMPERA EVO 1
INCLINATION: 0°
LAMP TYPE: 10LED 3000K WARM WHITE
OPTIC: 700mA 5433 FLAT GLASS 2.67KLM
QUANTITY
55

PROPOSED STREET LIGHTING COLUMN
COLUMN HEIGHT: 8m
PROJECTION: 0.3M POST TOP
LANTERN MANUFACTURER: URBIS SCHREDER
LANTERN NAME: AMPERA EVO 1
INCLINATION: 0°
LAMP TYPE: 10LED 3000K WARM WHITE
OPTIC: 700mA 5433 FLAT GLASS 2.67KLM
QUANTITY
27

PROPOSED STREET LIGHTING COLUMN
COLUMN HEIGHT: 8m
PROJECTION: 0.3M POST TOP
LANTERN MANUFACTURER: URBIS SCHREDER
LANTERN NAME: AMPERA EVO 1
INCLINATION: 0°
LAMP TYPE: 10LED 3000K WARM WHITE
OPTIC: 200mA 5366 FLAT GLASS 910 LUMENS
QUANTITY
1

7.5 LUX ISO CONTOUR

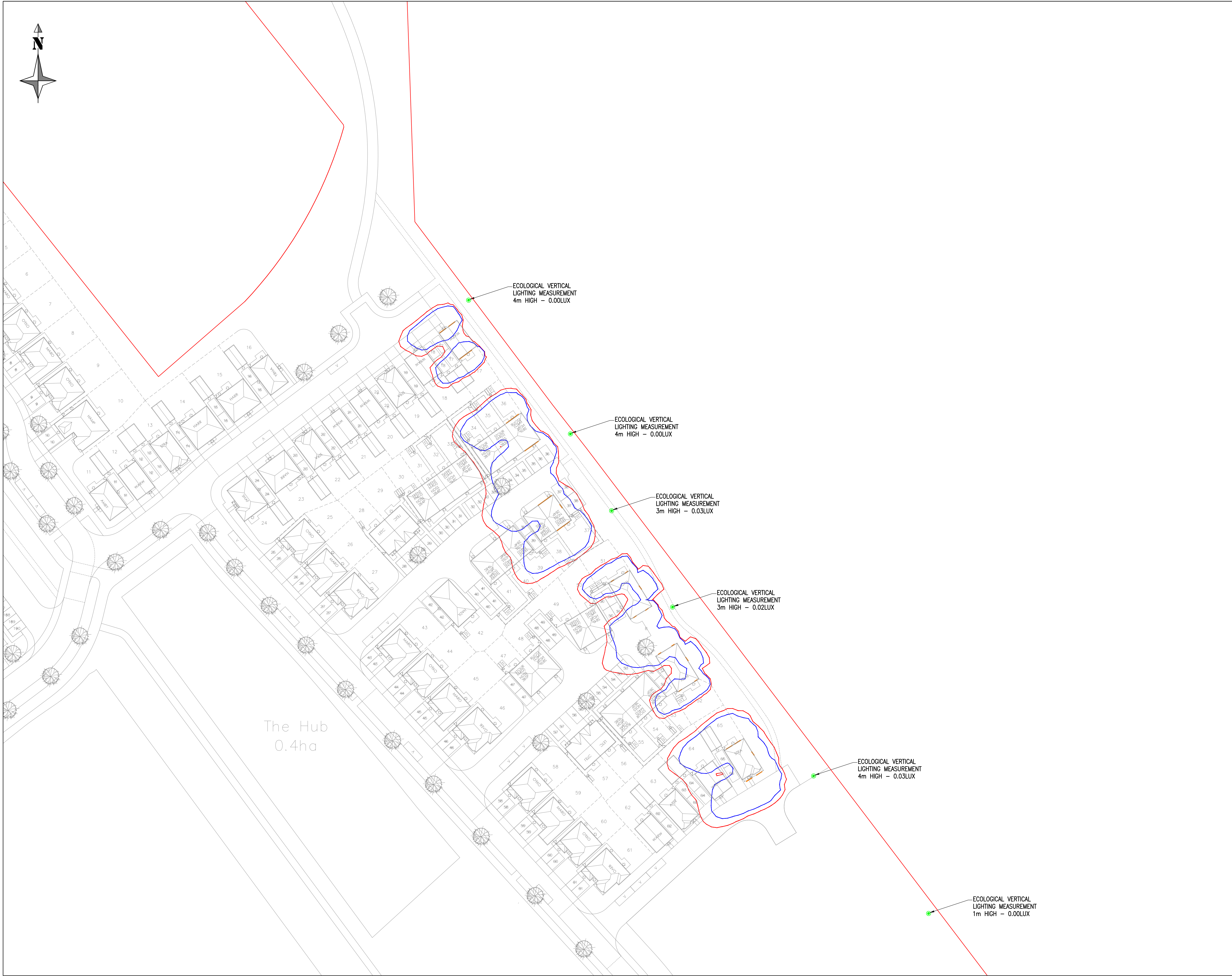
5.0 LUX ISO CONTOUR

1.0 LUX ISO CONTOUR

0.6 LUX ISO CONTOUR

SITE BOUNDARY

- FIRST ISSUE		CA	NA	TR	17.12.25
REV:	AMENDMENTS:	DRN:	CHK:	APP:	DATE:
PROJECT:		BLACKMORE FARM, MELKSHAM PHASE 1			
DRAWING TITLE:		LUX CONTOUR PLOT SHEET 2 OF 2			
CLIENT:		BARRATT AND DAVID WILSON HOMES SOUTH WEST			
DRAWING NUMBER:		30016_02_100_02.2			
REVISION:	SHEET SIZE:	SCALE:			
-	A1	1:1000			
STATUS:		FOR INFORMATION / APPROVAL			
MEC Consulting Group Birmingham Brighton Leicester		Telephone: 01530 264 753 Email: group@mec.co.uk Website: www.m-ec.co.uk ORDNANCE SURVEY © CROWN COPYRIGHT 2015. ALL RIGHTS RESERVED. LICENCE NUMBER 100055865.			



NOTES:

1. DO NOT SCALE THIS DRAWING.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH REPORT 30016-LIGH-0401.

3. (PROJECT MAINTENANCE FACTOR 1.00).

LIGHTING KEY

WINDOW LOCATIONS

1.00 LUX ISO CONTOUR

0.50 LUX ISO CONTOUR

ECOLOGICAL LIGHT MONITORING LOCATION

SITE BOUNDARY

A	UPDATED SITE LAYOUT	HA	NA	TR	13.01.26
-	FIRST ISSUE	CA	NA	TR	19.12.25
REV:	AMENDMENTS:	DRN:	CHK:	APP:	DATE:

PROJECT: BLACMORE FARM, MELKSHAM PHASE 1

DRAWING TITLE: EASTERN PARCEL WINDOWS LUX CONTOUR PLOT

CLIENT: BARRATT AND DAVID WILSON HOMES SOUTH WEST

DRAWING NUMBER: 30016_02_100_03

REVISION: A

SHEET SIZE: A1

SCALE: 1:500

STATUS: FOR INFORMATION / APPROVAL

MEC Consulting Group

Birmingham | Brighton | Leicester

Telephone: 01530 264 753

Email: group@mec.co.uk

Website: www.m-ec.co.uk

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Consulting Group

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E: group@m-ec.co.uk | **W:** m-ec.co.uk



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LIGHTING



EXPERT WITNESS