

BUILDINGS AND BUILT ENVIRONMENT

Newett Homes
The Heath, Fenay Bridge
Huddersfield
Lighting Design Strategy

BUILDINGS AND BUILT ENVIRONMENT

Newett Homes
The Heath, Fenay Bridge
Huddersfield
Lighting Design Strategy

Birmingham
Livery Place, 35 Livery Street, Colmore Business District, Birmingham, B3 2PB
T: 0121 233 3322

Leeds
Whitehall Waterfront, 2 Riverside Way, Leeds
LS1 4EH
T: 0113 233 8000

London
11 Borough High Street
London, SE1 9SE
T: 0207 407 3879

Manchester
4th Floor Carvers Warehouse, 77 Dale Street
Manchester, M1 2HG
T: 0161 233 4260

Nottingham
Waterfront House, Station Street, Nottingham NG2 3DQ
T: 0115 924 1100

July 2025

DOCUMENT ISSUE RECORD

Document Number:	THFB-BWB-ZZ-XX-E-RP-0001_LIA
BWB Reference:	255444

Revision	Date of Issue	Status	Author:	Checked:	Approved:
P1	11/07/2025	S2	Danny Alasfar	Peter Leonard	Danny Alasfar

Notice

This document has been prepared for the sole use of the Client in accordance with the terms of the appointment under which it was produced. BWB Consulting Limited accepts no responsibility for any use of or reliance on the contents of this document by any third party. No part of this document shall be copied or reproduced in any form without the prior written permission of BWB.

CONTENTS

1. INTRODUCTION..... 4

 Instruction 4

 Proposed Development 4

 Objectives 4

 Scope of Works 5

2. RELEVANT POLICY AND GUIDANCE..... 6

 Kirklees Local Plan Strategy and Policies (Adopted 27 February 2019) 6

 National guidance 7

3. ECOLOGY BASELINE 9

 Introduction 9

4. PROPOSED SITE LIGHTING..... 10

 Highway Lighting 10

 Dwelling Lighting..... 10

5. Construction Phase Lighting..... 14

6. CONCLUSION 15

FIGURES

- Figure 1. Habitat Retention Plan
- Figure 2. External dwelling lux plot (north)
- Figure 3. External dwelling lux plot (central)
- Figure 4. External dwelling lux plot (south)

TABLES

Table 1. Proposed luminaire – Dwelling Lighting

APPENDICES

- Appendix 1: Proposed Site Layout
- Appendix 2: Kirklees Street Lighting Design
- Appendix 3: Proposed External Dwelling Light Type

1. INTRODUCTION

Instruction

- 1.1 BWB Consulting Ltd (BWB) has been appointed by Newett Homes (the Client) to prepare a Lighting Designed to support the reserved matters planning application for a residential development located at The Heath, Fenay Bridge, Huddersfield (the 'Site').

Proposed Development

- 1.2 The proposed development comprises erection of 68 dwellings with associated access, parking, open space, landscaping and infrastructure works.
- 1.3 The Proposed Development Masterplan is included within **Appendix 1**.

Objectives

- 1.4 This report has been produced to identify the proposed external lighting (excluding that within the highway) and subsequent impact of the external lighting installation on the existing site environment, sensitive ecology and the wider locality.
- 1.5 The report aims to discharge Planning Condition 32 which states:
- 32. Prior to the installation of any external lighting (excluding that within the highway), a 'lighting design strategy' giving due regard to amenity, biodiversity, and security, shall be submitted to and approved in writing by the local planning authority. The strategy shall include, but not be limited to:
 - a. identify those areas/features on site that are particularly sensitive for bats and that are likely to cause disturbance in or around their breeding sites and resting places or along important routes used to access key areas of their territory, for example, for foraging; and
 - b. show how and where external lighting will be installed (through the provision of appropriate lighting contour plans and technical specifications) so that it can be clearly demonstrated that areas to be lit will not disturb or prevent the above species using their territory or having access to their breeding sites and resting places.
 - All external lighting shall be installed in accordance with the specifications and locations set out in the strategy, and these shall be maintained thereafter in accordance with the strategy.
 - Reason: To avoid indirect impacts to bats and other local species in the interest of ecological mitigation, while ensuring appropriate crime mitigation without prejudicing the amenity of residents, to comply with Policies LP24 and LP30 of the Kirklees Local Plan.
- 1.6 A lighting installation is required to enable users to operate safely and reduce the fear of crime.
- 1.7 This report reviews the potential effects of new dwelling lighting and reviews methods of lighting the proposed external areas while limiting potentially obtrusive effects to receptors that may have a negative response to a change in their lighting condition.

Scope of Works

1.8 The Scope of work includes:

- Identification and assessment of receptors.
- Identification of required / anticipated dwelling lighting provisions for the proposed development; and
- Assessment of the potential effects created by a new lighting strategy with respect to the baseline condition.

2. RELEVANT POLICY AND GUIDANCE

Kirklees Local Plan Strategy and Policies (Adopted 27 February 2019)

- 2.1 This document is the Kirklees Local Plan. The Local Plan is the statutory development plan and its purpose is to set out the policies necessary to achieve the strategy and how much new development there should be in the district and where it will go. The Local Plan covers the administrative area of Kirklees Council except for that part within the Peak District National Park. The Plan covers the period 2013 – 2031.

Policy LP24 Design

"Good design should be at the core of all proposals in the district and should be considered at the outset of the development process, ensuring that design forms part of pre-application consultation of a proposal. Development briefs, design codes and masterplans should be used to secure high quality, green, accessible, inclusive and safe design, where applicable. Where appropriate and in agreement with the developer schemes will be submitted for design review. [...]"

11.11 The scale of development should relate to neighbouring development and the street / public open space adjacent to the building. Consideration should be given to views, vistas and skylines. The layout of development should take into account the street pattern in the locality and the size of blocks and plots. The detail of development relates to the materials and building techniques used in development, as well as lighting and signage."

Policy LP30 Biodiversity & Geodiversity

"The council will seek to protect and enhance the biodiversity and geodiversity of Kirklees, including the range of international, national and locally designated wildlife and geological sites, Habitats and Species of Principal Importance and the Kirklees Wildlife Habitat Network."

"Development proposals will be required to:-

- i. result in no significant loss or harm to biodiversity in Kirklees through avoidance, adequate mitigation or, as a last resort, compensatory measures secured through the establishment of a legally binding agreement;
- ii. minimise impact on biodiversity and provide net biodiversity gains through good design by incorporating biodiversity enhancements and habitat creation where opportunities exist;
- iii. safeguard and enhance the function and connectivity of the Kirklees Wildlife Habitat Network at a local and wider landscape-scale unless the loss of the site and its functional role within the network can be fully maintained or compensated for in the long term;
- iv. establish additional ecological links to the Kirklees Wildlife Habitat Network where opportunities exist; and
- v. incorporate biodiversity enhancement measures to reflect the priority habitats and species identified for the relevant Kirklees Biodiversity Opportunity Zone."

Policy LP52 Protection and improvement of environmental quality

"Proposals which have the potential to increase pollution from noise, vibration, light, dust, odour, shadow flicker, chemicals and other forms of pollution or to increase pollution to soil or where environmentally sensitive development would be subject to significant levels of pollution, must be accompanied by evidence to show that the impacts have been evaluated and measures have been incorporated to prevent or reduce the pollution, so as to ensure it does not reduce the quality of life and well-being of people to an unacceptable level or have unacceptable impacts on the environment.

Such developments which cannot incorporate suitable and sustainable mitigation measures which reduce pollution levels to an acceptable level to protect the quality of life and well-being of people or protect the environment will not be permitted.

Where possible, all new development should improve the existing environment."

"Artificial lighting is used for a number of reasons, including work, recreation, security, safety, advertising, display, and to create a pleasant atmosphere where people gather socially. It is important to ensure that it does not become a nuisance to others. Obtrusive light (light pollution) can present serious physiological and ecological problems. Light 'spilling over' onto other property can cause annoyance, distraction and discomfort and may cause driving problems by glaring into drivers' eyes or competing with signs and other traffic signals."

National guidance

National Planning Policy Framework (2024)

- 2.2 The Revised National Planning Policy Framework (NPPF) provides guidance relating to planning and pollution control for new development in England. The purpose of the planning system is to contribute to achievement of sustainable development. In relation to lighting, Paragraph 198 states: "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"

DEFRA's Lighting in the Countryside: Towards Good Practice (2001)

- 2.3 The Office of the Deputy Prime Minister (ODPM – now Department for Communities and Local Government) in conjunction with the Countryside Commission published 'Lighting in the Countryside: Towards Good Practice' in July 1997, and a revised issue in 2001. The guidance was developed to 'provide practical advice on the prevention and control of lighting effects through appropriate action by all those involved with lighting in the countryside'. Its objective is 'to identify good practice in the planning and design of lighting in rural areas; and advise on how it can be achieved, using case study examples'. The guide aims to provide an overview and common understanding of all aspects of good lighting practice stating that close co-operation and participation is required for all those involved in planning, designing and installing lighting schemes. The guidance provides valuable information on lighting best practice and the standard

methodology outlined in this guidance document has been followed as part of this assessment. Whilst the guidance relates to 'lighting in the countryside', it is considered best practice to adopt many of the principles contained within the guidance to sites of a more urban nature.

Institute of Lighting Professionals (ILP) Guidance Notes for the Reduction of Obtrusive Light (2021)

- 2.4 The ILP has proposed lighting guidance and criteria for local authorities with a recommendation that they are incorporated at the local plan level. The guidance defines various forms of light pollution and describes a series of environmental zones (similar to the CIE 150 environmental zones). The ILP guidance provides suitable criteria against which the effects of artificial lighting can be assessed and is used in this assessment.

Institute of Lighting Professionals (ILP) Guidance Note 08 for Bats and artificial lighting in the UK (2023)

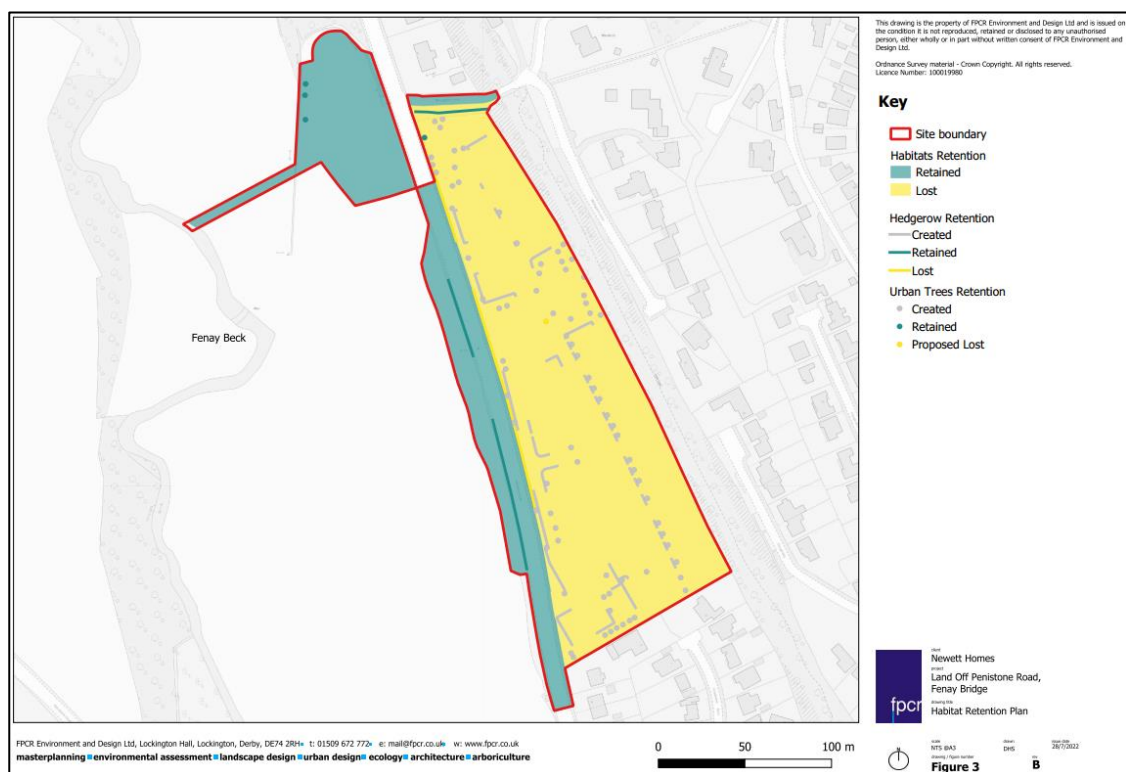
- 2.5 This document is aimed at lighting professionals, lighting designers, planning officers, developers, bat workers/ecologists and anyone specifying lighting. It is intended to raise awareness of the impacts of artificial lighting on bats, and mitigation is suggested for various scenarios.

3. ECOLOGY BASELINE

Introduction

- 3.1 The study area includes the application site, the surrounding areas and any sensitive receptors which may have a direct view towards external lighting proposals and/or which may be affected during the construction and operation of the proposed development. Assessment of designation, use, habitat and external lighting condition dictates the classification of Environmental Zone across the proposed site location and surrounding areas.
- 3.2 The areas and features across the Site identified as retained habitat are as shaded below in green. Any external lighting as part of this strategy shall therefore be kept away from these areas. Calculations shall confirm the anticipated light distribution.
- 3.3 The project Biodiversity Impact Assessment has been consulted as part of this strategy. The Habitat Retention Plan is included in **Figure 1**. The retained habitat is identified in green and shall be considered as potentially sensitive and shall be kept as dark as practicable.

Figure 1. Habitat Retention Plan



4. PROPOSED SITE LIGHTING

Highway Lighting

- 4.1 A highway lighting design was commissioning by Kirklees Streetscene and Housing Service. This design is included in **Appendix 2**.
- 4.2 The highway lighting design appears to be quality and designed to an appropriate lighting standard.
- 4.3 In accordance with Condition 32 the proposed highway lighting falls outside of the scope of this lighting strategy.

Dwelling Lighting

- 4.4 Aside from the proposed highway lighting, the only other source of external lighting at the site is anticipated to be dwelling lighting.
- 4.5 It is proposed that each dwelling is provided with one external dwelling light adjacent the front door, installed at 1.5m above ground. Indicated in **Table 3** is the proposed luminaire type and lamp.

Table 1. Proposed luminaire – Dwelling Lighting

Specification	Description
Location	Dwelling lighting
Mounting Height	1.5m
Light source	LED
Luminaire	Deta Brackenheath decorative wall light
Controls	Integrated or externally mounted PIR
Lamp	Integral-LED GU10 400LM 3.4W
Correlated Colour Temperature (CCT)	2700K
Luminaire Image	

- 4.6 Included in **Figure 2 – 4** is a lux plot which illustrates how external dwelling light is predicted to reduce to 0.5 lux.
- 4.7 As can be seen, all areas of retained habitat are predicted to remain less than 0.5 lux and the impact is therefore considered to be negligible.
- 4.8 Whilst specific positions for external dwelling lights have been selected for this strategy, the quantities shall remain the same and the final positions are not anticipated to impact the overall findings.

Figure 2. External dwelling lux plot (north)



Figure 3. External dwelling lux plot (central)

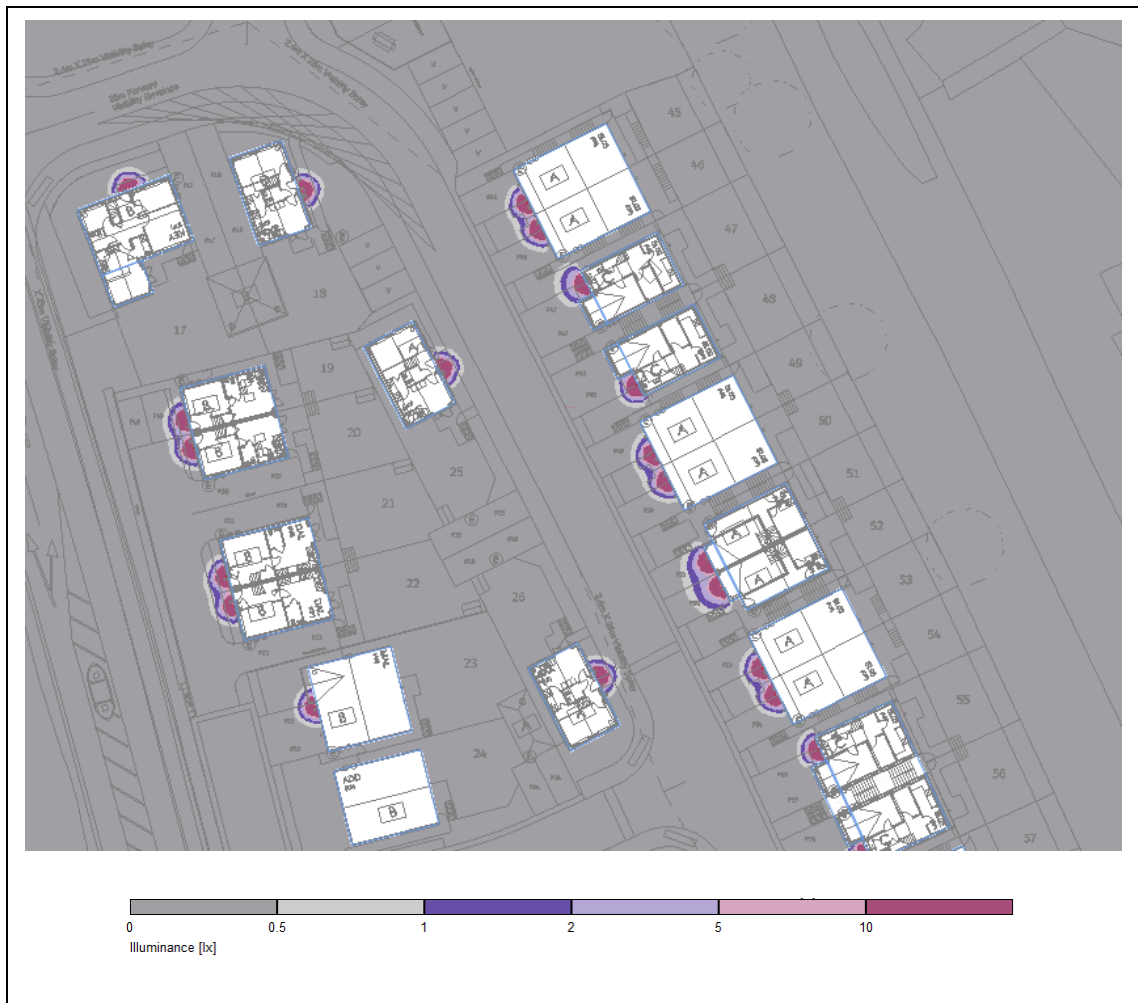
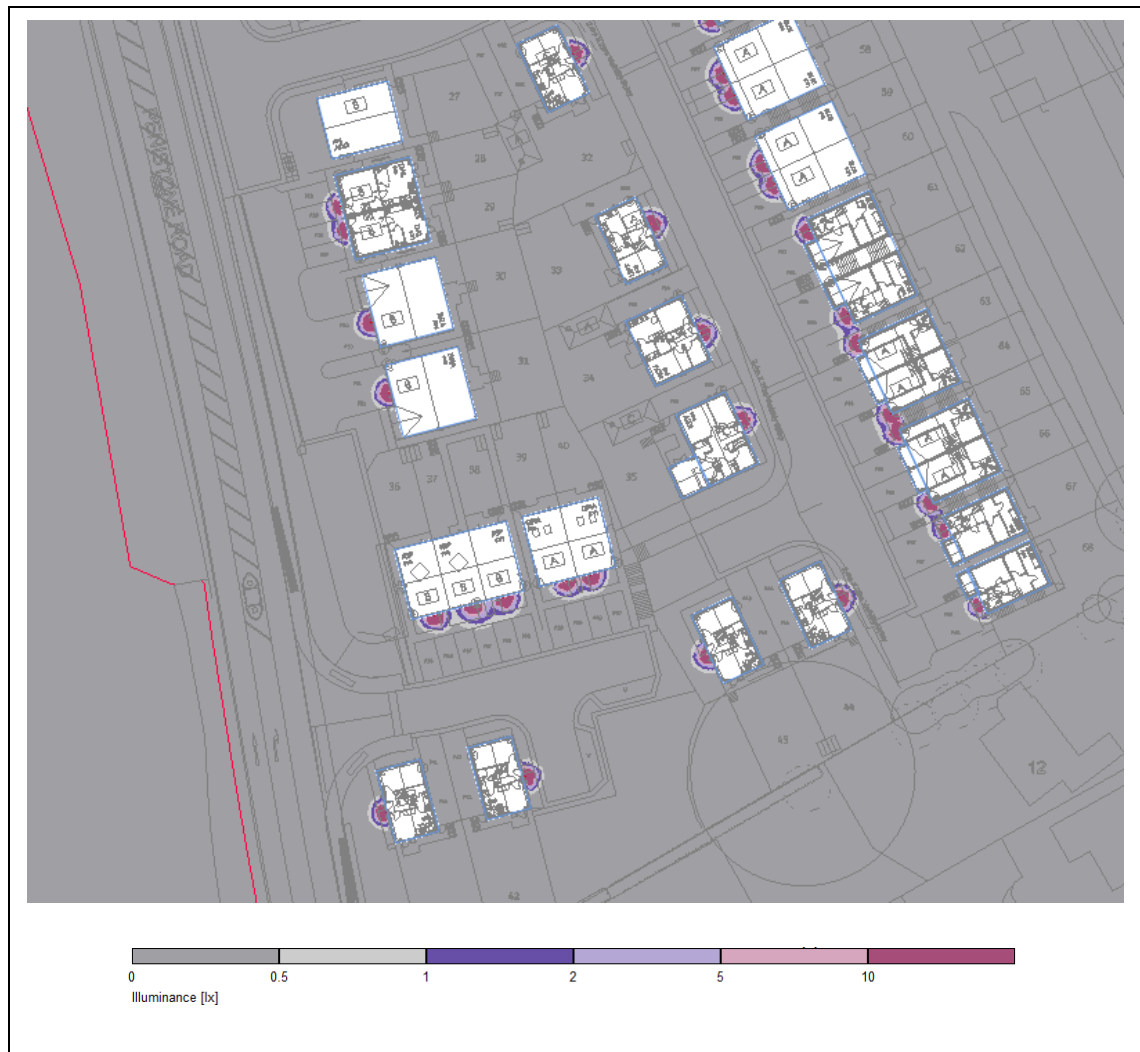


Figure 4. External dwelling lux plot (south)



5. Construction Phase Lighting

- 5.1 While construction phase lighting is expected to be short term and reversible it is important to define the parameters to minimise light pollution.
- 5.2 To reduce the effects of lighting during the construction phase on sensitive receptors, a Construction Environmental Management Plan (CEMP) shall be produced which will contain best practice recommendations given by CIE, ILP, CIRIA and Health and Safety Executive (HSE). These should include, but not be limited to, the following:
- Lighting will operate in all external areas used by construction workers after dark in order to provide a safe and secure working environment without over lighting. High quality LED light sources with high colour rendering index (CRI) shall be utilised to maximise visibility with efficient light output.
 - Lighting shall be provided to meet the target lux level as set out in BS 12464-2 Lighting of Outdoor Workplaces without over lighting. Luminaires shall be mounted at the lowest practical mounting height, providing lighting only where lighting is required.
 - The Contractor shall specify working hours, uses of lighting, location of temporary floodlights and construction compound and agreeing these with the local council to reduce duration of impact.
 - Lighting controls should be employed to dim or switch off any lighting that is not needed.
 - Lighting that needs to be sited close to the permitter or ecologically sensitive areas should be fitted with shielding or be switched off or dimmed when not in use.
 - Lighting should be controlled in such a way to illuminate high activity, hazardous or high security areas while reducing lighting levels at less pertinent areas.
 - The Contractor should act responsibly to adjust any temporary lighting reported as causing nuisance.

6. CONCLUSION

- 6.1 As part of the lighting strategy a review has been undertaken of the potential impact created by new dwelling lighting in relation to the proposed development.
- 6.2 The proposed external lighting installation complies with the recommendations of national and local policy, specifically the following policies which are contained within the Kirklees Local Plan Strategy and Policies (Adopted 27 February 2019):
- Policy LP24 Design
 - Policy LP30 Biodiversity & Geodiversity
 - Policy LP52 Protection and improvement of environmental quality
- 6.3 External dwelling lighting shall be controlled by presence detection.
- 6.4 External dwelling lighting shall be 2700K colour temperature.
- 6.5 The proposed external dwelling lighting installation demonstrates that retained habitat shall be adequately protected from adverse effects. All areas of retained habitat are predicted to remain less than 0.5 lux and the impact is therefore considered negligible.

APPENDICES

Appendix 1: Proposed Site Layout



Additional Notes-

- Non private sale plots are based on Newett Homes Affordable Specification for tendering purposes. Site Manager and Commercial department are to refer to housing association upgrades and extras for specific items that do not form part of Newett Homes Affordable Specification. First Homes are based on Newett Homes Private Sale Specification.
- All plots to receive additional ventilation measures. See plot specific Vent Axia designs.
- Bird & bat boxes to be confirmed planning condition discharge.
- Boundary treatments awaiting planning condition discharge and may vary.

Materials Key

Material Palette	Facing Material	Focal Render Plot	Roof Tile
	Forticrete Artstone Premier Regency Buff Pitched	N/A	Sandtoft Danum TLE Dark Grey
	AD Calvert Witton Fell Sandstone 140mm coursed lightly pitched	N/A	Sandtoft Danum TLE Dark Grey
	Forticrete Artstone Premier Regency Buff Pitched	Ecorend African Ivory Rough Render	Sandtoft Danum TLE Dark Grey
	AD Calvert Witton Fell Sandstone 140mm coursed lightly pitched	Ecorend African Ivory Rough Render	Sandtoft Danum TLE Dark Grey

Additional details

Windows & Frames:	White uPVC with glazing bars to primary elevations
Cills & Lintels:	Artstone
Fascia & Soffit:	Black uPVC
Rainwater goods:	Black uPVC half round section
Door Colour:	Anthracite Composite
Service boxes:	Match Front Door
Garage doors:	Match Front Door

Accommodation Schedule

Open Market Homes						
House Type	Sales Name	Beds	Storey	Sqft	Number	Total Sqft
RIP	Ripponden	2	2	753	6	4518
DAL	Dalton	3	2	908	7	6356
SAV	Saxton	3	2	939	12	11268
UPT	Upton	3	2	939	1	939
GFA	Grassington	3	2.5	970	4	3880
SL03	Beeches	3	3	1145	10	11450
SL04	Rowan	3	3	1188	6	7128
MAL	Malham	4	2	1227	1	1227
ADD	Addingham	4	2	1258	2	2516
HOV	Hovingham	4	2	1258	1	1258
BRA	Braham	4	2	1498	2	2996
SL02	Tupelo	4	3	1566	7	10962
KEY	Keyingham	4	2	1550	2	3100
				Total-	61	67598
Affordable Homes						
Affordable Rent						
RIP	Ripponden	2	2	753	3	2259
SL02	Tupelo	4	3	1566	1	1566
First Homes						
RIP	Ripponden	2	2	753	2	1506
DAL	Dalton	3	2	908	1	908
				Total-	7	6239
				Grand Total	68	73837

Additional Ventilation Schedule

Plot	House Type	Additional Ventilation Fan Required (GF
1	Saxton	Yes- Bed 1, Bed 2 & Bed 3
2	Saxton	Yes- Bed 1, Bed 2 & Bed 3
3	Saxton	Yes- Bed 1, Bed 2 & Bed 3
4	Saxton	Yes- Bed 1, Bed 2 & Bed 3
5	Ripponden	Yes- Bed 1 & Bed 2
6	Ripponden	Yes- Bed 1 & Bed 2
7	Ripponden	Yes- Bed 1 & Bed 2
8	Ripponden	Yes- Bed 1 & Bed 2
9	Dalton	Yes- Bed 1, Bed & Bed 3
10	Dalton	Yes- Bed 1, Bed & Bed 3
11	Dalton	Yes- Bed 1, Bed & Bed 3
12	Dalton	Yes- Bed 1, Bed & Bed 3
13	Ripponden	Yes- Bed 1 & Bed 2
14	Ripponden	Yes- Bed 1 & Bed 2
15	Ripponden	Yes- Bed 1 & Bed 2
16	Ripponden	Yes- Bed 1 & Bed 2
17	Keyingham	Yes- Bed 1, Bed 2, Bed 3, Bed 4 & Bed 5
18	Saxton	Yes- Bed 1, Bed 2 & Bed 3
19	Grassington	Yes- Bed 1, Bed 2 & Bed 4
20	Grassington	Yes- Bed 1, Bed 2 & Bed 5
21	Dalton	Yes- Bed 1, Bed & Bed 3
22	Dalton	Yes- Bed 1, Bed & Bed 3
23	Malham	Yes- Bed 1, Bed 2, Bed 3 & Bed 4
24	Addingham	Yes- Bed 1, Bed 2, Bed 3 & Bed 4
25	Saxton	Yes- Bed 1, Bed 2 & Bed 3
26	Saxton	Yes- Bed 1, Bed 2 & Bed 3
27	Addingham	Yes- Bed 1, Bed 2, Bed 3 & Bed 4
28	Dalton	Yes- Bed 1, Bed & Bed 3
29	Dalton	Yes- Bed 1, Bed & Bed 3
30	Braham	Yes- Bed 1, Bed 2, Bed 3 & Bed 4
31	Braham	Yes- Bed 1, Bed 2, Bed 3 & Bed 4
32	Saxton	Yes- Bed 1, Bed 2 & Bed 3
33	Upton	Yes- Bed 1, Bed 2 & Bed 3
34	Hovingham	Yes- Bed 1, Bed 2, Bed 3 & Bed 4
35	Keyingham	Yes- Bed 1, Bed 2, Bed 3, Bed 4 & Bed 5
36	Ripponden	Yes- Bed 1 & Bed 2
37	Ripponden	Yes- Bed 1 & Bed 2
38	Ripponden	Yes- Bed 1 & Bed 2
39	Grassington	Yes- Bed 1, Bed 2 & Bed 3
40	Grassington	Yes- Bed 1, Bed 2 & Bed 3
41	Saxton	Yes- Bed 1, Bed 2 & Bed 3
42	Saxton	Yes- Bed 1, Bed 2 & Bed 3
43	Saxton	Yes- Bed 1, Bed 2 & Bed 3
44	Saxton	Yes- Bed 1, Bed 2 & Bed 3
45	SL03 (Beeches)	Yes- Bed 2 & Bed 3
46	SL03 (Beeches)	Yes- Bed 2 & Bed 3
47	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
48	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
49	SL03 (Beeches)	Yes- Bed 2 & Bed 3
50	SL03 (Beeches)	Yes- Bed 2 & Bed 3
51	SL04 (Rowan)	Yes- Bed 2 & Bed 3
52	SL04 (Rowan)	Yes- Bed 2 & Bed 3
53	SL03 (Beeches)	Yes- Bed 2 & Bed 3
54	SL03 (Beeches)	Yes- Bed 2 & Bed 3
55	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
56	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
57	SL03 (Beeches)	Yes- Bed 2 & Bed 3
58	SL03 (Beeches)	Yes- Bed 2 & Bed 3
59	SL03 (Beeches)	Yes- Bed 2 & Bed 3
60	SL03 (Beeches)	Yes- Bed 2 & Bed 3
61	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
62	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
63	SL04 (Rowan)	Yes- Bed 2 & Bed 3
64	SL04 (Rowan)	Yes- Bed 2 & Bed 3
65	SL04 (Rowan)	Yes- Bed 2 & Bed 3
66	SL04 (Rowan)	Yes- Bed 2 & Bed 3
67	SL02 (Tupelo)	Yes- Bed 1 & Bed 4
68	SL02 (Tupelo)	Yes- Bed 1 & Bed 4

Note: See plot specific Vent Axia designs for fan specifications.

Boundary Treatment Key

- 2000mm Acoustic Stone Wall (acoustic barrier) - Refer to Standard Detail ref NH/SD/S120/A/02
- 2000mm Acoustic Timber Fence (acoustic barrier) - Refer to Standard Detail ref NH/SD/S120/A/02
- 1800mm Stone wall- Refer to Standard Detail ref NH/SD/S120/B/07
- 1800mm Feather edge timber fence - Refer to Standard Detail ref NH/SD/S120/B/06
- 1200mm Timber post and rail fence - Refer to Standard Detail ref NH/SD/S120/B/04
- 1500mm Metal Railings Black - Refer to Standard Detail ref NH/SD/S120/B/02
- 1100mm Metal Guard Rail Black - Refer to Standard Detail ref NH/SD/S120/B/03
- 1100mm Timber Guard Rail - Refer to Standard Detail ref NH/SD/S120/B/05
- 450mm Knee railing - Refer to Standard Detail ref NH/SD/S120/B/01

Surface Treatment Key

- Concrete Block Pavious- Brindle
- Concrete Block Pavious- Charcoal
- Grasscrete

Site Layout Key

- Bin collection point (bin collection day only)
- Private Bin Storage Location
- Street Lighting Columns
- Private Access Gate Position
- Car Charging Points
- Electric Meter Wall Housing
- Gas Meter Wall Housing
- Affordable Rent
- First Homes
- 6x4 foot shed and base

Acoustic Mitigation Plots

See lines around the perimeter of plot elevations

Bedrooms and living rooms = 34 dB Rw + Ctr glazing with 57 dB Dn, e, w + Ctr wall vents
Bedrooms and living rooms = 34 dB Rw + Ctr glazing with 42 dB Dn, e, w + Ctr wall vents
Bedrooms and living rooms = 28 dB Rw + Ctr glazing with 42 dB Dn, e, w + Ctr wall vents
Unmarked rear facades = 28 dB Rw + Ctr glazing with 33 dB Dn, e, w + Ctr trickle vents

Garden Dimensions Schedule

Plot	Garden Width (Max)	Garden Length (Max)	Garden Faces
1	8.8m	10.5m	North West
2	10m	11.1m	North West
3	8.4m	10.6m	South East
4	9.2m	11m	South East
5	5.8m	7.6m	North East
6	5.8m	7.6m	North East
7	5.8m	7.4m	North East
8	5.8m	7.4m	North East
9	6.4m	6.9m	North East
10	6.4m	6.9m	North East
11	6.4m	7m	North East
12	6.4m	7.1m	North East
13	5.8m	7.7m	North East
14	5.8m	7.8m	North East
15	5.8m	7.9m	North East
16	5.8m	7.9m	North East
17	9.9m	12.5m	South
18	7.5m	11m	South
19	5.8m	9.7m	East
20	7.8m	10.7m	East
21	8.4m	12.7m	East
22	8.3m	14.7m	East
23	10.7m	11.7m	East
24	8.7m	9.5m	East
25	6.7m	10.5m	South East
26	6.7m	10.5m	North West
27	8.7m	11.5m	East
28	6.4m	12.5m	East
29	6.4m	12.5m	East
30	11.4m	10.5m	East
31	11.4m	10.8m	East
32	15.4m	11m	South East
33	13.4m	11.5m	West
34	9.6m	11.1m	West
35	9.7m	11.3m	West
36	5.8m	12m	North West
37	4.6m	12m	North West
38	4.8m	11m	North West
39	5.8m	12m	North West
40	5.9m	12m	North West
41	8.7m	17.6m	South
42	8.7m	14.8m	South
43	8.7m	14.2m	South East
44	8.7m	12.9m	South East
45	6m	10.4m	North East
46	6m	10.4m	North East
47	8.1m	10.4m	North East
48	8.1m	10.4m	North East
49	6m	10.4m	North East
50	6m	10.4m	North East
51	6m	10.4m	North East
52	6m	10.4m	North East
53	6m	10.4m	North East
54	6m	10.4m	North East
55	8.1m	10.4m	North East
56	8.1m	10.4m	North East
57	6m	10.4m	North East
58	6m	10.4m	North East
59	6m	10.4m	North East
60	6m	10.4m	North East
61	8.1m	10.4m	North East
62	8.1m	10.4m	North East
63	6m	10.4m	North East
64	6m	10.5m	North East
65	6m	10.5m	North East
66	6m	11m	North East
67	8.1m	11.3m	North East
68	10.6m	11.8m	North East

DISCLAIMER- NOTE ALL PROVIDED GARDEN DIMENSIONS DO NOT TAKE INTO ACCOUNT RETAINING WALL WIDTHS. THEREFORE, THE DIMENSIONS PROVIDED MAY VARY marginally.

Q	Note added regarding omission of landing gable windows to plot 68.	GE	17/04/23
R	Sheds removed from plots 47, 48, 55, 56, 61, 62, 67 & 68 (integral garage HT's)	AN	28/01/25
P	Boundary treatments and fill protection updated. Gate and shed positions rationalized. Plot 33 garage removed. Plots 67-68 handed. Acoustic mitigation measures added to report and relevant elevations. Block paving colours identified. Accommodation schedule updated, garden dimensions and additional ventilation schedule added.	AD	13/01/25
M	Location of street name plates	DF	05/12/24
N	Updated External Works	AD	19/11/24
O	POCS Updates	JL	06/11/24
L	Natural stone specification updated. Source of grasscrete to parking bays updated. Roof site specification updated. Temporary waste management note added. EV charger point for plot 18 reallocated to parking space. EV charger and meter boxes to plot 68 relocated.	AD	05/11/24
K	Vegetation Survey	DF	04/11/24
J	External works for plots 5 - 15 amended	JL	24/09/24
H	Boundary treatments between plots changed to 1.2m timber post and rail. Private guarding changed to 1.1 timber guarding. Block paving added to private drives. Natural stone plans identified. Natural stone specification added. Boundary treatments references added.	JL	15/08/24
G	Sub station size updated. Play area fence moved back to allow 1.1m from edge of kerb to front of substation.	JL	13/08/24
F	Steps to street garden updated. Visitor parking adjacent plot 40 updated. Play area equipment added.	JL	26/04/24
E	Updated in line with latest external works updates. Boundary treatments updated. Additional VP spaces added.	JL	17/05/24
D	Updated in line with latest external works updates. Boundary treatments updated.	JL	17/05/24
C	Non private plot specification note added.	JL	17/05/24
B	Boundary treatments updated. 1.2m metal guarding omitted. Stone specification updated. Shed base and shed locations added.	JL	17/05/24
A	Updated following plot sub and revised external works.	JL	4/02/24

Development

The Heath, Fenay Bridge

Drawing Title

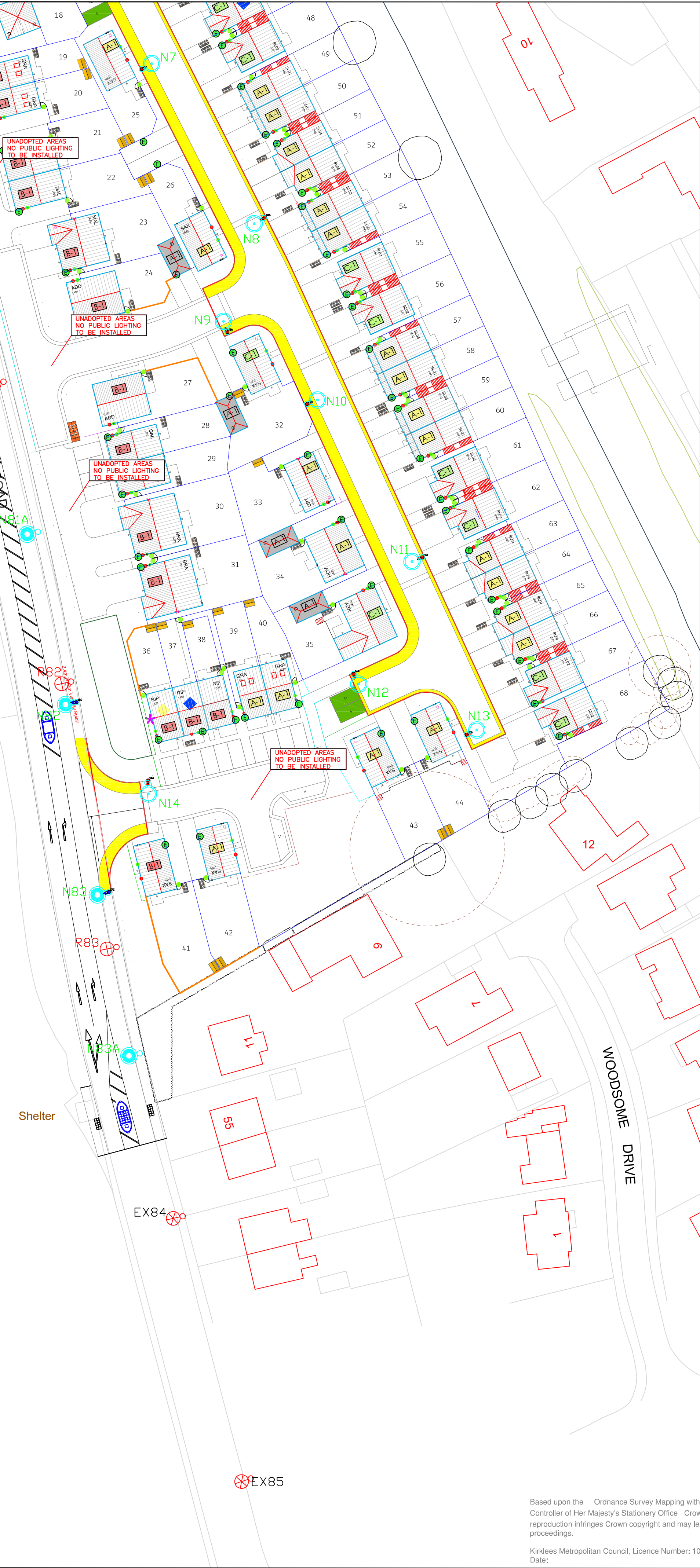
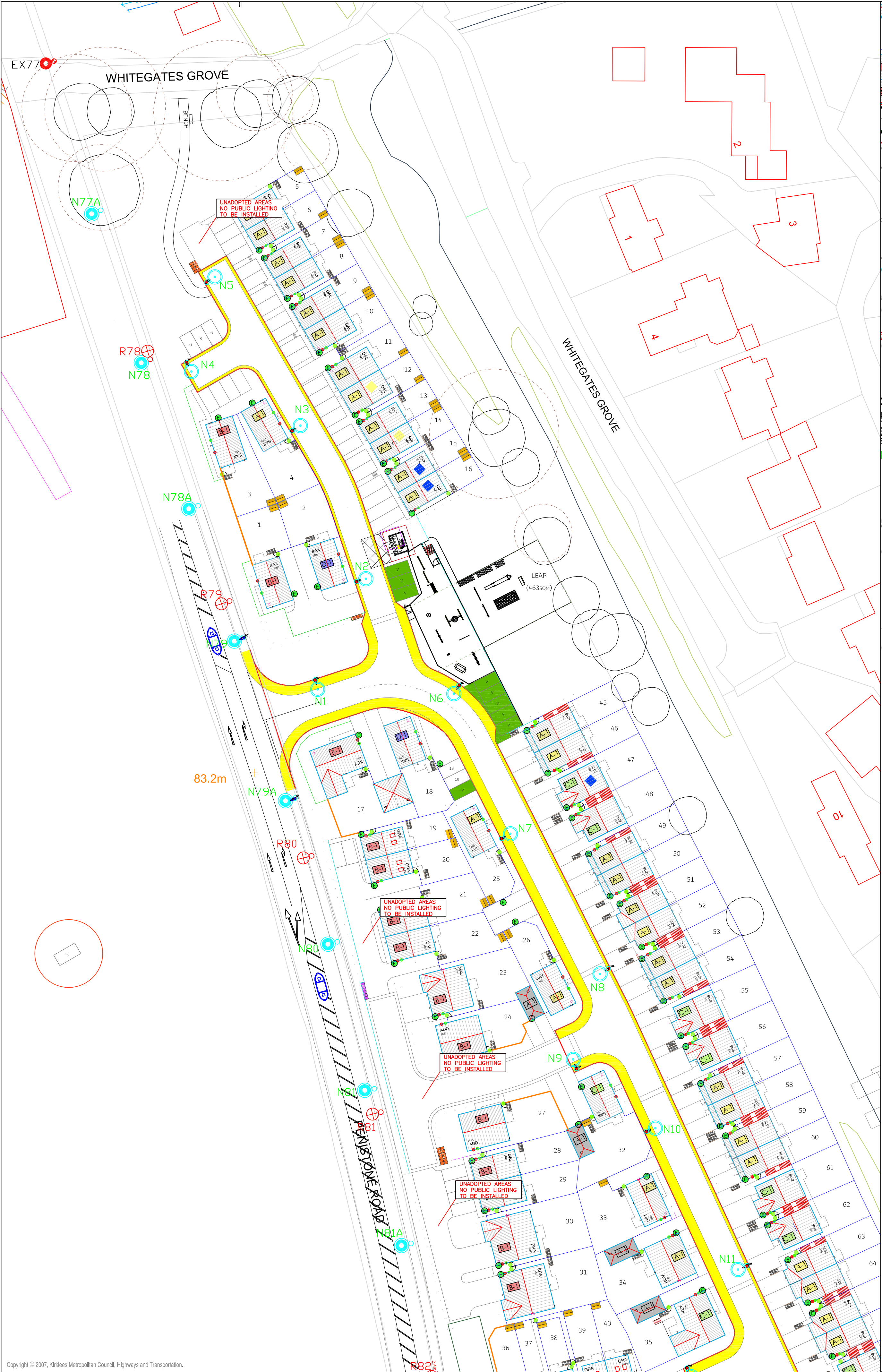
Site Layout

NEWETT
HOMES

Thorp Arch Grange, Walton Road, Thorp Arch, LS23 7BA
Tel 01937 543599
www.newett-homes.co.uk

Scale: 1:500 @ A1	Drawn: AN	Date: 17.01.25
File: 2078 - 001 - Fenay Bridge Site Layout		
Drawing No. 2078 - 001	Rev Q	

Appendix 2: Kirklees Street Lighting Design



Quantity	Symbol	Type of Lighting Unit	NOTE
14		Proposed 6 metre Steel column with Spigot Mounted Ignis LED6 lantern	Lighting column erections should only be called off once the adoptable back-edge (pin kerb) has been installed on site and there are levels to work to. The footway wearing course should not be laid until the lighting column/s have been erected and serviced.

****Proposed S278 columns shown for indication purposes only****

Quantity	Symbol	Type of Lighting Unit
11		Proposed 10 metre Steel column with Spigot Mounted Ignis mini Plus 24 MS13 4.0_70_456_10710 (68W) 10.71km LED9 lantern
6		Existing 10 metre Steel column-- To Remove
2		Existing 10 metre Steel column-- To remove existing lantern, and fit new Spigot Mounted Ignis 2 LED10 lantern at 5 degree tilt
1		Existing 10 metre Steel column-- To remain

Warning
High voltage cables underground

Ducting Requirements for connections to street lights (where required)
Please refer to the ENATS 11.23 & 24 regulations for specific ducting requirements. Ducting must be installed at correct depths as per NUGS 7 requirements.

Summary of Ducting Requirements
Please note that it is now mandatory for all electrical service ducting & road crossings to have 2.0mm thick Warning Tape installed above them to offer warning of the presence of the electrical cable below. Marking tape is no longer adequate.

The life tape must be 152mm wide, cleanly cut and square with no sharp edges. The life tape should be terminated with suitable identification complying with EN476 standard 12.2.2 and meet impact requirements of BS-2464. It should be installed 100mm above mains electric duct and 75mm above service electric duct.

Electric service ducts UNDER FOOTPATHS
Must be black 38mm diameter, at a depth of 450mm below the final surface level. Duct must be of rigid type UPVC or MDPE, smooth walled with a smooth inner surface. They must be individually and clearly marked with the legend "ELECTRIC CABLE DUCT".

Electric service ducts UNDER ROADS
Must be black 125mm diameter, at a depth of 600mm below the final surface level. Duct must be of rigid type UPVC or MDPE, with corrugated outer and smooth inner surface, and must be individually and clearly marked with the legend "ELECTRIC CABLE DUCT".

UNDER NO CIRCUMSTANCES MUST THE DUCT & TAPE BE ENCASED IN CONCRETE!
Please see electricity ducts after installation to prevent the ingress of water and dirt. Failure to do so may cause delays and extra costs. If you are in any doubt as to the requirements regarding ducting, please contact your Northern Powergrid Representative.

Materials
You must provide your own electricity service duct, road crossing duct, warning tape and cables. The costs of these items have not been included in the price of your quotation. Service and items cable are provided and installed by Northern Powergrid.

- Please note that in the event of a Site Manager changeover, this document MUST be passed on to the new Site Manager so that he/she is made aware of all the Developer's responsibilities.
- Should the new Site Manager wish to discuss these responsibilities, please contact your Northern Powergrid Representative to arrange a meeting.

REF.	DATE	REVISIONS
Streetscene and Housing Service Highways and Operation Division Flint Street, Fartown Huddersfield HD1 6LG		
SECTION Street lighting		
DRAWN JRD	CHECKED DM	
SCALE 1:500@A1	PROJECT NO. S38	DATE Jan 2025
PROJECT Penistone Road Fenay Bridge S38		
TITLE Proposed lighting BS5489-1:2020 Lighting class P5		
DRAWING No. 6807		
CAD No.		

Appendix 3: Proposed External Dwelling Light Type



Wall Lights

Description

This range of stainless steel and powdered black outdoor wall lights are highly decorative and available in fixed and up/down models (PIR version available)

Features

- Ideal for residential applications including domestic gardens and walkways
- Stainless steel durable 304 grade body and glass diffuser
- Black fittings are black powder coated
- Modern aesthetically pleasing design
- PIR fittings have manual override function
- PIR has adjustable lux, time and sensitivity settings with fixed 8m detection range
- Supplied without lamp
- 2-year Guarantee

Range

GF621	Fixed Wall Light-Stainless steel
GF6010	Fixed Wall Light-Black
GF623	Adjustable Wall Light-Stainless steel
GF6011	Adjustable Wall Light-Black
GF622	Up/Down Wall Light-Stainless steel
GF6012	Up/Down Wall Light-Black
GF625	Up/Down Wall Light with PIR-Stainless steel
GF6013	Up/Down Wall Light with PIR-Black

Technical Specification

Voltage	220V-240V
Frequency	50-60Hz
Construction	304 Stainless Steel & Glass
IP Rating	IP44
Dimmable	No
Light Source	35W GU10 LED
Lifespan	30,000hrs
Standards	BS EN 60598-1

Dimensions

	Height	Width	Diameter
GF621	110mm	92mm	60mm
GF6010	110mm	92mm	60mm
GR623	132mm	92mm	60mm
GF6011	132mm	92mm	60mm
GF622	210mm	92mm	60mm
GF6012	210mm	92mm	60mm
GF625	220mm	95mm	60mm
GF6013	220mm	95mm	60mm

Contact your local authority for information concerning the correct disposal of your product.

