



NORMAN BROMLEY
PARTNERSHIP

PROJECT REF **BS 1679**
DATE **April 2022**
REVISION **04**

Abbey Road – Phase 3

Proposed External Lighting



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PROJECT REVISION SHEET

Revision No.	Date	Details	Changes	Author	Approved
01	March 2022		N/A	MR	MR
02	April 2022		Columns changed to bollards along boundary	MR	MR
03	April 2022		Drawing includes new layout	MR	MR
04	April 2022		Client Comments Incorporated	MR	MR

Contents

1.0 INTRODUCTION	1
2.0 PROPOSED EXTERNAL LUMINAIRES	3
3.0 LIGHTING CONTROL	5
4.0 LIGHT LEVELS AND LIGHT SPILLAGE	5
APPENDIX A	6
Site Plan indicating Lighting Levels	6

1.0 INTRODUCTION

Norman Bromley Partnership were commissioned by the London borough of Camden (the Applicant) to provide external lighting proposals to support the planning application for the proposed Abbey Road Phase 3 residential development as follows:-

Demolition and redevelopment of Emminster and Hinstock blocks including Belsize Priory Health Centre, Abbey Community Centre, public house and commercial units to provide new residential accommodation (Use Class C3) and ground floor commercial space (Use Class E/Sui Generis) to be used as flexible commercial units, across three buildings ranging from 4 to 11 storeys, along with car and bicycle parking, landscaping and all necessary ancillary and enabling works.

The Abbey Road Phase 3 project includes for 3 No. new build blocks as follows:-

- **Block A** - 46 social rent and Camden living flats in a block comprising up to 9 storeys.
- **Block B** – 60 private sale flats in a block comprising up to 11 storeys.
- **Block C** – 33 private sale flats in a block comprising up to 6 storeys.

The proposals include a separate single storey building incorporating a sub-station and cycle store along with landscaping works.



Proposed Site Plan (not to scale)

The Local Planning Authority (Camden Council) requires the submission of a lighting assessment which provides details of the external lighting proposed for the development. This report includes details of the following:-

- Hours of operation
- Light spillage
- Light levels
- Column heights
- Layout plan with lighting levels to indicate proposed luminaire locations.
- Equipment design
- Impact on nearby dwellings or roads and use of planning to mitigate effect.

2.0 PROPOSED EXTERNAL LUMINAIRES

Type a



5m high, direct post mounted / side entry luminaire with zero upward light complete with 2992 lumen output 4000K LED lamps as Kingfisher Lighting their Auriga 2.0 series, or similar.

Type b



1m high, lighting bollard c/w 25w led lamps as Kingfisher Lighting, Klou range,

Type c



Buried tree uplighter c/w 12W LED lamps as Kingfisher Lighting, Inground range.

Type d



Wall mounted downlighter c/w 20W LED lamps as Kingfisher Lighting, Ellis range.

Type e



IP 65 recessed downlighter c/w 1065 lumen LED lamps and polycarbonate cover as Thorlux Lighting G3 range, or similar

Type f



Surface mounted IP65 luminaire c/w hood, 15W LED lamps and microwave sensor

3.0 LIGHTING CONTROL

The external lighting circuits to the roads, building perimeter and landscaped areas shall be controlled as follows:-

- a) The existing road lighting is retained.
- b) To the private landscaped communal garden a photoelectric cell shall bring the luminaires 'on' if the natural light falls below a pre-determined low level. A time switch shall turn all luminaires 'off' at the desired present time, as agreed with the Local Planning Authority (Camden Council). This also applies to the buried uplighters proposed to illuminate trees.
- c) The luminaires to the main entrance of each block shall be switched "on" by photoelectric cell if the natural light falls below a pre-determined low level and will turn 'off' when a suitable natural light level returns.
- d) Luminaires mounted on the building in areas which are not identified for amenity use shall be controlled by integral photocell and microwave sensor.

4.0 LIGHT LEVELS AND LIGHT SPILLAGE

The drawings included in Appendix A indicate the light levels and light spillage to the site based on the luminaires detailed above.

The proposed external lighting design aims to provide a safe environment during the hours of darkness with minimal light pollution and spill light.

It can be seen from lux diagrams that the proposed external lighting will have minimal impact on nearby dwellings or roads.

APPENDIX A

Site Plan indicating Lighting Levels

COMPANY OF ORIGIN	ARCHITECTS DRAWING No.
POLLARD THOMAS EDWARDS	ARR-PTE-ZZ-XX-SK-A-9240
ORIGINAL FILE NAME	ARR-PTE-ZZ-XX-SK-A-9240-F-Ground Floor Plan
ORIGINAL DRAWING TITLE	REV. DATE RECEIVED
PROPOSED SITE PLAN - GROUND FLOOR PLAN	F 21-04-22



Notes

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER ENGINEERING DRAWINGS.
- EXACT POSITIONS AND MOUNTING HEIGHTS OF ALL EQUIPMENT TO BE AGREED WITH THE CLIENT AND ARCHITECT BEFORE THE INSTALLATION IS COMMENCED, AND INDICATED ACCURATELY ON THE CONTRACTOR'S DETAILED WORKING.
- ALLOWANCE SHALL BE MADE TO CO-ORDINATE THE MECHANICAL AND ELECTRICAL SERVICES TO THE FIXTURES AND FITTINGS SHOWN ON THE ARCHITECTS DRAWING.
- THIS DRAWING OUTLINES THE DESIGN INTENT FOR THE MECHANICAL AND ELECTRICAL SERVICES AND HAS BEEN PRODUCED TO ASSIST THE CONTRACTOR TENDER. THE DRAWING DOES NOT INDICATE ALL EQUIPMENT, ACCESSORIES, DEVICES ETC WHICH MAY BE REQUIRED FOR THE SATISFACTORY DESIGN, INSTALLATION AND COMPLETION OF THE PROJECT, AND SHALL THEREFORE BE USED FOR GUIDANCE PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR.

- FOR SCHEDULE OF SYMBOLS & LIGHTING REFER TO DRAWING No. ABB-NBP-XX-DE-E-193.

Legend

- a** 5M HIGH COLUMN WITH SIDE ENTRY KINGFISHER LIGHTING, AURIGA 2.0 SERIES. LUMINAIRE WITH 2992 LUMEN LED LAMPS
- b** 1M HIGH BOLLARD LUMINAIRE C/W 25W LED LAMPS AS KINGFISHER LIGHTING, KLOU RANGE
- c** BURRIED TREE UPLIGHTER C/W 12W LED LAMPS AS KINGFISHER LIGHTING, INGROUND RANGE
- d** WALL MOUNTED DECORATIVE LUMINAIRE C/W 20W LED LAMPS AS KINGFISHER LIGHTING, ELLIS RANGE
- e** RECESSED IP65 DOWNLIGHTER C/W 1005 LUMEN LED LAMPS & IP65 COVER AS THORLUX LIGHTING, G3 RANGE OR SIMILAR
- f** WALL MOUNTED LUMINAIRE C/W MICROWAVE SENSOR AND 15W LED LAMPS AS THORLUX LIGHTING COBALT RANGE OR SIMILAR
- x** EXISTING STREET LIGHTING RETAINED

ISOLINE LEGEND

- 1 LUX
- 2 LUX
- 5 LUX
- 10 LUX
- 20 LUX

NOTE:-

CONTRIBUTION TO LIGHTING LEVELS FROM EXISTING STREET LIGHTING NOT INCLUDED

03	22.04.22	NEW PLAN INCLUDED TENDER ISSUE TENDER ISSUE	CH	MR	Project ABBNEY ROAD - PHASE 3
02	05.04.22		CH	MR	
01	31.03.22		CH	MR	
Rev	Date	Revision	Dwn	Chk	Client WATES
					Title PROPOSED EXTERNAL LIGHTING LAYOUT (WITH ISOLINES)
					Scale 1:200@A1
					Date MAR22
					Drawn DP
					Approved MR
					Drawing No. ABB-NBP-XX-00-GA-E-65-455
					Rev. 03



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