



Street Lighting Plan 1:500

OXFORDSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATIONS

Column 6m Conical 'Avon' steel column (BS EN 40) BD94/07 Stainton Metal Company together with 2m uplift and 0.75m outreach Thames projection bracket. Total mounting height 8 metres. Rationalised wind loading factor (RWF) for Oxfordshire as specified in PD6547:2009 are to be used as a pressure for design of lighting columns. (Style 9 drg HSD/1300/016). Total mounting height 8m.

Lantern DW Windsor Kirium Pro 1 - Green RAL 6013

Lantern ref Kirium Pro 1 32LED 3K CLO 900mA C1 optic RAL 6013

Lamp 56 Watt 32 LED 3000K Colour temperature 11.55 km

Switch One piece photocell Nema 7 pin type (Westire 7200 series) set at 35 / 18 lux Pre-set to dim to 75% between 00:00 to 6:00am

UMSUG Code 42 0056 0000 100

Switch Regime D17

Column finish **EPA Compliant Epoxy / Polysiloxane Amended Oxfordshire County Council Specification.**
i.e. Requirements for Lighting Columns, Bracket Arms & Doors (See Oxfordshire amended Appendix 19/3). Upper Additional overall coats to be applied in shop to a clean degreased, lightly abraded dry surface.

1st Coat: **Internal root to 250mm above ground level & External overall**
Item 121, Dacrylate 2 Pack Extended Cure Epoxy MIO, ref 90-270. Airless Spray, Minimum Dry Film Thickness 100 microns.

2nd Coat: **External root to 250mm above ground level**
Dacrylate Epidac 2 Glass Reinforced 2-Pack Epoxy, ref 79-489. Brush/Airless Spray, Minimum Dry Film Thickness 200 microns.

3rd Coat: **External overall**
Dacrylate Dacsil 200 2-Pack Polysiloxane Finish RAL 6013 (or other specified colour.) 200 - line, Conventional Spray, Minimum Dry Film Thickness 75 microns.

- Additional notes :-**
- Columns to be sited at the rear of footpath and within adoptable area.
 - Positions are approximate. The Local Authority Engineer reserves the right to alter positions depending on site conditions.
 - All equipment shall comply with the Oxfordshire County Council General Technical Specification.
 - The Contractor shall obtain samples of the paint and technical Data Sheets from the Manufacturers prior to commencement of work.
 - In order to assist the developer, the design Engineer will mark out all of the column positions.
 - All Street Lighting works must be carried out by a Highway Electrical Association Registered Contractor.
 - All columns to be numbered two metres from ground level.
 - Electrical Supply to Street Lighting Columns and Illuminated Signs are to be serviced / owned by the local Distribution Network Operator (i.e. Regional Electricity Company).
 - The "A file reference number" which is on the drawing, is to be quoted in all correspondence.
 - No trees are to be planted within ten metres longitudinal of a column.
 - Columns in vulnerable positions to have a column barrier protection system HSD/1300/008.

NB: Touch up on site using 2 Pack paints applied by brush will never offer the same appearance as that of a spray applied finish. For this reason every effort should be made to minimize handling / transportation damage.

OXFORDSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATIONS

Column 5m 'Abacus' tubular steel Raise & Lower column (BS EN 40) EN10210 (Style 2 drg HSD/1300/007) (T051RLS/FD/OXON) complete with flush door Rationalised wind loading factor for Oxfordshire as Specified in PD6547:2009 are to be used as a design of lighting columns

Bracket Post top mounted at 0° uplift

Lantern ref DW Windsor Kirium Pro 1 - Green RAL 6013

Lantern ref Kirium Pro 1 optic RAL 6013

Lamp LED 3000K Colour temperature

Switch One piece photocell Nema 7 pin type (Westire 7200 series) set at 35 / 18 Lux Pre-set to dim to 50% between 22.00pm to 6:00am

UMSUG Code D79

Switch Regime D79

Column finish **EPA Compliant Epoxy / Polysiloxane Amended Oxfordshire County Council Specification.**
i.e. Requirements for Lighting Columns, Bracket Arms & Doors (See Oxfordshire amended Appendix 19/3). Upper Additional overall coats to be applied in shop to a clean degreased, lightly abraded dry surface.

1st Coat: **Internal root to 250mm above ground level & External overall**
Item 121, Dacrylate 2 Pack Extended Cure Epoxy MIO, ref 90-270. Airless Spray, Minimum Dry Film Thickness 100 microns.

2nd Coat: **External root to 250mm above ground level**
Dacrylate Epidac 2 Glass Reinforced 2-Pack Epoxy, ref 79-489. Brush / Airless Spray, Minimum Dry Film Thickness 200 microns.

3rd Coat: **External overall**
Dacrylate Dacsil 200 2-Pack Polysiloxane Finish RAL 6013 (or other specified colour.) 200 - line, Conventional Spray, Minimum Dry Film Thickness 75 microns.

- Additional notes :-**
- Columns to be sited at the rear of footpath and within adoptable area.
 - Positions are approximate. The Local Authority Engineer reserves the right to alter positions depending on site conditions.
 - All equipment shall comply with the Oxfordshire County Council General Technical Specification.
 - The Contractor shall obtain samples of the paint and technical Data Sheets from the Manufacturers prior to commencement of work.
 - In order to assist the developer, the design Engineer will mark out all of the column positions.
 - All Street Lighting works must be carried out by Highway Electrical Association Registered Contractor.
 - All columns to be numbered two metres from ground level.
 - Electrical Supply to Street Lighting Columns and Illuminated Signs are to be serviced / owned by the local Distribution Network Operator (i.e. Regional Electricity Company).
 - The "A file reference number" which is on the drawing, is to be quoted in all correspondence.
 - No trees are to be planted within ten metres longitudinal of a column.
 - Columns in vulnerable positions to have a column barrier protection system HSD/1300/008.

NB: Touch up on site using 2 Pack paints applied by brush will never offer the same appearance as that of a spray applied finish. For this reason every effort should be made to minimize handling / transportation damage.

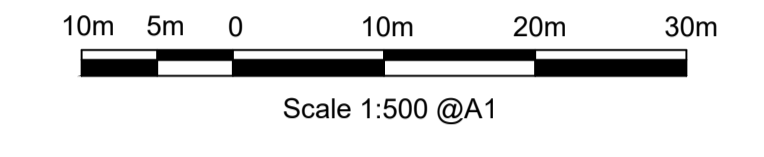
Street Lighting to be adopted by

**LIGHTING TO MANDEK
DESIGN / OCC
STANDARD DETAILS**

NOTES

- This drawing is to be read in conjunction with all relevant Architects and Bailey Johnson Hayes drawings and specifications.
- Do not scale. Work only to figured dimensions.
- All dimensions to be confirmed on site prior to commencement of work.
- Proposed Layout in accordance with planning approved Access Road General Arrangement Plan 14042-60-GA (N).
- All works subject to agreement by Oxfordshire County Council (OCC) Road Agreements department.
- This document contains OS data © Crown copyright 2019.

SCALE



SLR CONTRIBUTION AGREEMENT

F	16.11.23	Updated Street Lighting Notes & Key
E	03.11.23	Updated to latest Street Lighting Layout
D	29.08.23	Revised to Technical Audit 1 comments
C	30.05.23	Revised to RSA 2 comments
B	15.05.23	Updated to latest lighting layout
A	26.04.23	Latest S278 crossing layout added
Rev	Date	Revision Description

Revision Schedule

Project Title
Axis J9 - Bicester

Client
ALBION LAND

Drawing Title
**Access Road (Phase 3)
Lighting Plan**

BAILEY JOHNSON HAYES
Consulting Engineers
ST ALBANS: Suite 4, Phoenix House, 63 Campfield Rd, ST ALBANS, Herts AL1 5FL

Scale	1:500 @A1	Drawing Number	S1209-AR-10 F
Date	06.04.23		
Drawn	JNG		