

**OXFORDSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATIONS**

**Column** 5m tubular steel column (BS EN 40) BD6407 (Style 4 drg HSD/13015) suitable for side-entry mounted lantern. Rationalised wind loading factor for Oxfordshire as specified in PD5647:2009 for design of lighting columns

**Lantern** Holophane Factor LED Lantern Ref: FTRU034NRRL6013TSZ - Green RAL 6013

**Lamp** LED c 3000lm with 4000K colour temperature

**Control** One piece mini photocell (Zodion) set at 55 Lux on 28 lux off

**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 step to a clean degreased, lightly abraded dry surface.

**1<sup>st</sup> Coat:** Internal root to 250mm above ground level & External overall Item 12.1, Dacrylate 2 Pack Extended Cure Epoxy MIO, ref 90-270. Airless Spray. Minimum Dry Film Thickness 100 microns.

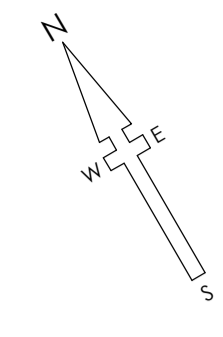
**2<sup>nd</sup> Coat:** External root to 250mm above ground level Dacrylate Epdax 2 Glass Reinforced 2 Pack Epoxy, ref 79-489. Brush/Airless Spray. Minimum Dry Film Thickness 200 microns.

**3<sup>rd</sup> Coat:** External overall Dacrylate Dascal 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 Manufacturer 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 five metres of a column.

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 OXFORDSHIRE COUNTY COUNCIL



**KERBING KEY**

HB2	- 125x255 HB2 kerb (125mm face)
BN	- 125x150 BN1515 dropped (15mm face)
DK 0	- 125x150 BN1515 dropped (0mm face)
EF	- 50x150 EF edging laid flush
T	- Dropper/Transition kerb as required
CS	- square edged channel block
BJ	- Blocks Butt Jointed together
mb	- Highway marker block
TB	- Timber Bollard (OCC Approved)
GS	- Circle of Granite Sets
SC	- Stretcher Course

	Permeable Charcon Andover Stratford Infilla
	Permeable Charcon Woburn Rumble Infilla
	Permeable Charcon Andover Stratford Infilla
	Permeable Charcon Infilla
	Permeable Charcon Infilla
	Impermeable Charcon Woburn Rumble
	Impermeable Natratex surfacing (with contrasting inset colour where noted on plans)
	Soft landscaping (refer to Hyder drawings)
	Ecodeck (refer to detail on drg 11-1196-20)
	Granite Sets (refer to detail on drg 11-1196-20)
	Impermeable Blocks to be used within designated areas
	Proposed Service Margin
	Resin bond gravel
	Brass stud or equivalent to denote the edge of the service margin
	Proposed Limit of O.C.C. Section 38 adaption To be agreed
	Limit of Phase 1 works - Refer to Hyder drawings for details of Spine Road
	Sunset Recycled Glass 6mm Aggregate set within granite sets sunk into ground Colour A=Wild Lavender, Colour B=Pacific (refer to detail on drg 11-1196-20)
	Timber Bollard with reflective strip (OCC approved)
	Extent of concrete wall to service trench
	Drainage channel

To be read in conjunction with drg 12-1196-07 Com 1 & Com 2  
**OCC Lighting Ref: A 4 2 3 6**



**WILLMOTT DIXON HOUSING**

REVIEWED

PRELIMINARY	A
FOR COMMENT	B
FOR CONSTRUCTION	C

SIGNED **ND**

DATE **16.10.15**

TITLE

Surface Finishes and Kerb Types  
 Sheet 3 of 4  
 Bicester Southfields Eco Village  
 Bicester  
 Oxon

DRAWING NUMBER  
 12-1196-04 Sheet 3 of 4 Rev C05



Rev	Drawn by	Chk'd by	Comments	Date	C05	ATD	TST	Kerb Types updated	29/09/15	NOTES
C01	NJ	TST	Issued for construction	23/09/14						1. All dimensions and levels are in metres unless otherwise noted
C02	SNN	TST	Kerb types added to Parking areas & Driveways	27/02/15						2. This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
C03	NJ	TST	Key amended, refer to clouded area	02/07/15						3. This drawing has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
C04	NJ	TST	Tree position amended as clouded	08/07/15						4. This drawing contains coloured lines / information that may not be clear if reproduced in black and white.

**Note**

**Lighting Column Installation**  
 All columns must be installed within 1 metre of the design position on the lighting layout drawing, otherwise the lighting performance will be impaired.

**Landscaping and Planting**  
 Landscaping or planting around the column must be kept at a low level to avoid obstructing the luminaire and must be suitably maintained to avoid any future obstruction that may occur from the long term growth of plants. No account is taken for the blocking effect caused by buildings, trees etc.

DATE **10/01/2013**

DESIGNED BY **TST**

SCALE **1:200 @ A1**

STATUS **CONSTRUCTION**

**INFRASTRUCT CS LTD**  
 Consulting Civil and Structural Engineers

26A High Street, Eynsham, Oxford, OX29 4HB  
 Tel: 01865 880909  
 Email: info@infrastructcs.co.uk  
 Web: www.infrastructcs.co.uk