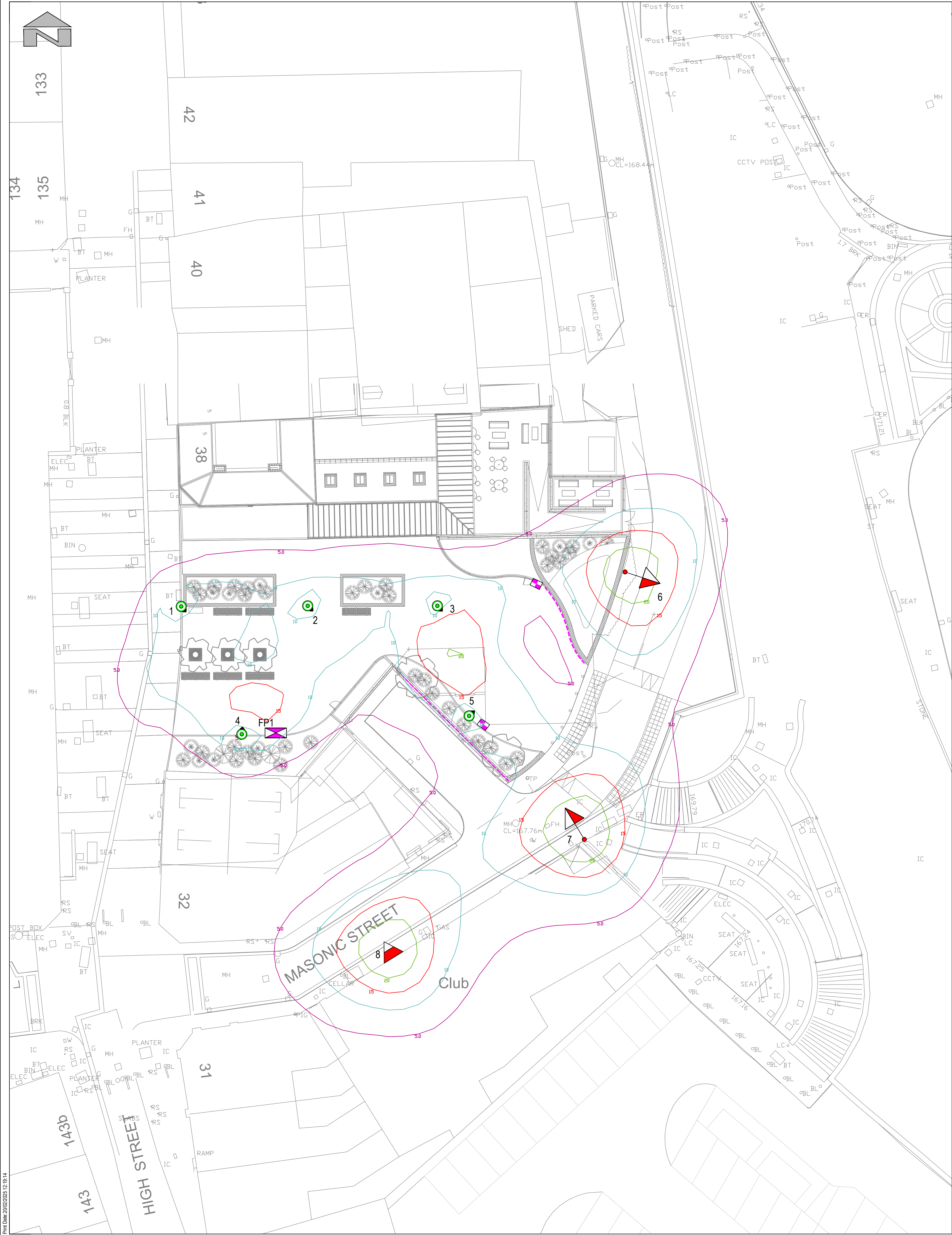




Urbis Flexia Pole with Flexia Top (5m) and Flexia FG (6m)



iGuzzini Underscore In/Out Wall Lighter



iGuzzini Underscore In/Out application example

Notes

- The street lighting esign layout for the public realm complies with BS 5489-1:2020 & BS EN 13201:2015, Table A.6 'Lighting classes for city and town centres' Class P2 (pedestrian thoroughfare) and Class C4 (Masonic Street).
- The street lighting installation shall comply fully with Merthyr Tydfil County Borough Council's street lighting specification and the Manual of Contract Documents for Highway Works. Electrical supplies to be confirmed at detailed design stage.
- Lighting columns shall be architectural weathered steel construction with flush door, dual tri-head locking mechanism and root protection, as manufactured by Urbis Schreder. Columns shall be fabricated and installed in accordance with the manufacturer's instructions, taking account of local soil conditions and wind factor. The final sealing program is to be agreed between the supplier and the client prior to installation.
- The installation shall be installed, tested and commissioned in accordance with the latest edition of BS7671 'Requirements For Electrical Installations - IET Wiring Regulations' (18th edition) with appropriate test certificates issued to the Project Manager on completion of the Works.
- This drawing shall be used solely for the purpose described in the drawing title, as other details may be inaccurate.
- Road lighting columns shall be aluminium 'hockey stick' type with flush door, dual tri-head locking mechanism and Corroplast tape root protection, as manufactured by the Aluminium Lighting Company 6000 series. Columns shall be fabricated and installed in accordance with the manufacturer's instructions, taking account of local soil conditions and wind factor.

Local Ecology

Mitigation measures to ensure that retained habitats in and around the site used by protected and notable species will not be adversely affected by artificial light:

- Specification of full cut-off directional LED luminaires with no lightspill above the horizontal in accordance with ILP Guidance note for the reduction of obtrusive light (GN 01/20)
- CELtek central management System allows remote dimming and switching of luminaires by MTCBC post construction.
- Specification of warm white (2700K) colour temperature luminaires with no UV and a lower blue light content in accordance with guidance in ILP/BCT Guidance Note - Bats and artificial lighting in the UK (GN 08/23).

Key:

- 6.0m Urbis Conical SWT Steel lighting column painted black (RAL 9005) with post-top mounted Urbis Flexia FG Midi 5304/40LED/350mA/WW/2700K 6.76km luminaire with CELtek CMS enabled luminaire c/w mini photo-electric cell (35 lux on/18 lux off)
- Existing wall mounted lantern to be isolated, disconnected asnd removed to tip off site. To be replaced with side entry mounted Urbis Flexia Midi 5304/40LED/350mA/WW/2700K 6.76 km luminaire with CELtek CMS enabled luminaire c/w mini photo-electric cell (35 lux on/18 lux off)
- 5.0m Urbis Conical SWT Steel lighting column painted black (RAL 9005) with post-top mounted Urbis Flexia Top Deep Shape 5308/20LED/300mA/WW/3000K 2.94 km luminaire with CELtek CMS enabled luminaire c/w mini photo-electric cell (35 lux on/18 lux off) - supply from feeder pillar
- iGuzzini Underscore In/Out/TopBend/16mm24V/2W 0.12km IP68-rated wall uplighter
- Horizontal illuminance (contours indicate projected lux values at ground level, excluding the screening effect of rear louvres, buildings, trees, hedges, etc.)
- Feeder pillar with 230 Vac 50Hz PME unmettered NGED service
- Mini-pillar with 230/24V transformer and timeclock for wall lighting

P02	DH	MB	MB	Lantern spec updated - change from 3000K to 2700K. Tree uplighters removed	20/02/2025
P01	LP	MB	MB	First Issue	27/11/2024
Rev	Drawn	Checked	Approved	Description	Date

Purpose of Issue

S2 - Issued For Information

Classification

Public

Client

Merthyr Tydfil
County Borough Council

Project

Merthyr Tydfil Interchange Link

Drawing

Street and Public Realm
Lighting

Scale @ A1	Drawn	Checked	Approved
As shown	DH	MB	MB

Project No.	Date
70120884	November 2024

Drawing Identifier	ISO19650 Compliant
Project - Originator - Zone - Level - File Type - Role - Number	revision
70120884-RED-61-XX-DR-E-0117	P02



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SCALE 1:200