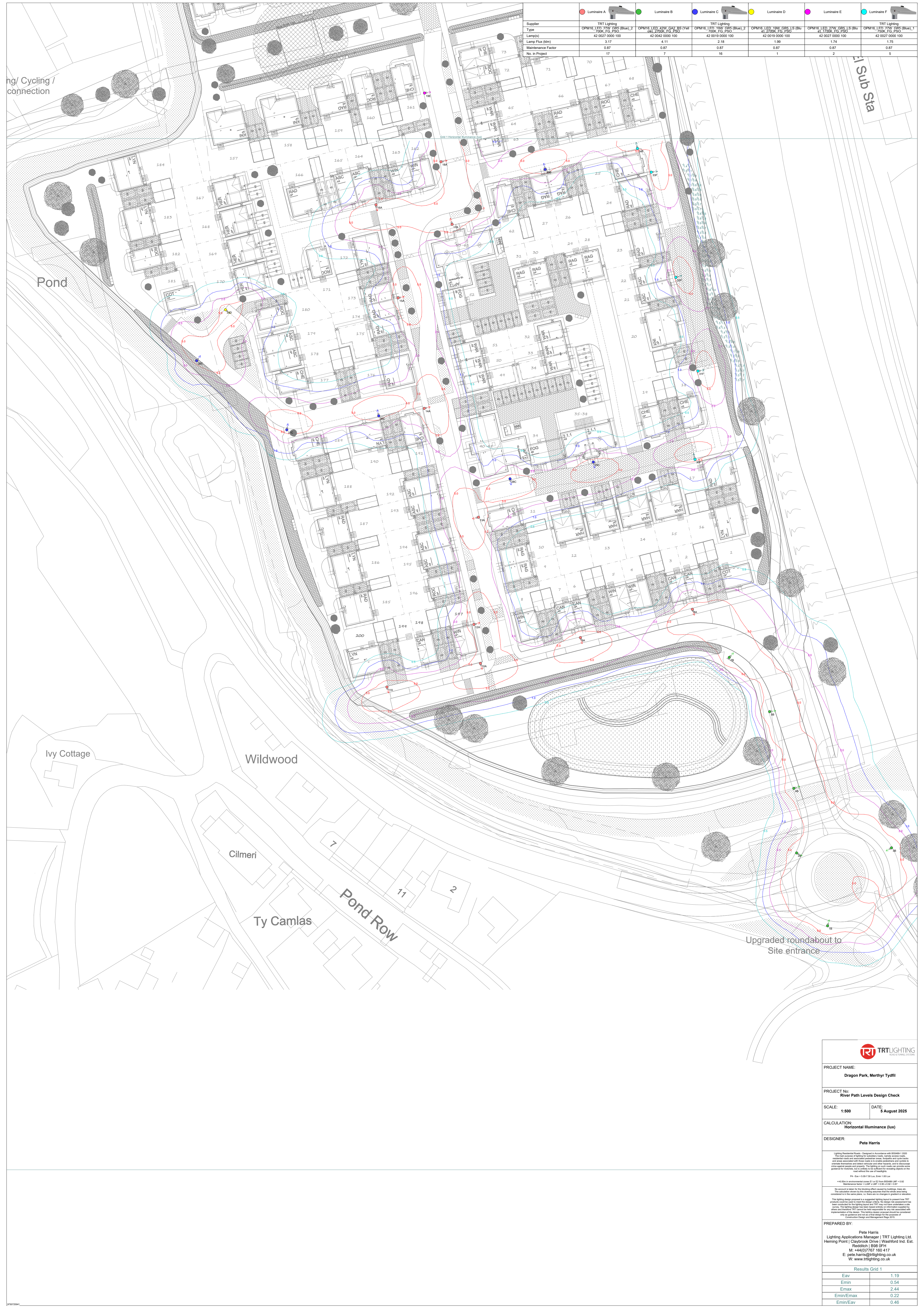




	Luminaire A	Luminaire B	Luminaire C	Luminaire D	Luminaire E	Luminaire F
Supplier	TRT Lighting	TRT Lighting	TRT Lighting	TRT Lighting	TRT Lighting	TRT Lighting
Type	OPM16 LED 2W CDS (Blue) 2	OPM16 LED 2W CDS (Blue) 2	OPM16 LED 2W CDS (Blue) 2	OPM16 LED 2W CDS (Blue) 2	OPM16 LED 2W CDS (Blue) 2	OPM16 LED 2W CDS (Blue) 2
Lamp	42 0027 0000 100	42 0027 0000 100	42 0027 0000 100	42 0027 0000 100	42 0027 0000 100	42 0027 0000 100
Lamp Flux (lm)	3.17	4.11	2.18	1.90	1.74	1.75
Maintenance Factor	0.87	0.87	0.87	0.87	0.87	0.87
No. in Project	17	7	16	1	2	5



TRT LIGHTING

PROJECT NAME:

Dragon Park, Merthyr Tydfil

PROJECT No:

River Path Levels Design Check

SCALE:

1:500

DATE:

5 August 2025

CALCULATION:

Horizontal Illuminance (lux)

DESIGNER:

Pete Harris

Lighting Resonance Index: Designed in accordance with BS5489-1:2015

The main purpose of lighting is to provide safety, security, and to enhance the appearance of the site and its surroundings. The lighting design should be based on the following principles: 1. The lighting design should be based on the functional requirements of the site. 2. The lighting design should be based on the aesthetic requirements of the site. 3. The lighting design should be based on the environmental requirements of the site. 4. The lighting design should be based on the economic requirements of the site. 5. The lighting design should be based on the social requirements of the site. 6. The lighting design should be based on the cultural requirements of the site. 7. The lighting design should be based on the historical requirements of the site. 8. The lighting design should be based on the archaeological requirements of the site. 9. The lighting design should be based on the scientific requirements of the site. 10. The lighting design should be based on the technological requirements of the site. 11. The lighting design should be based on the artistic requirements of the site. 12. The lighting design should be based on the literary requirements of the site. 13. The lighting design should be based on the musical requirements of the site. 14. The lighting design should be based on the dramatic requirements of the site. 15. The lighting design should be based on the cinematic requirements of the site. 16. The lighting design should be based on the theatrical requirements of the site. 17. The lighting design should be based on the operatic requirements of the site. 18. The lighting design should be based on the balletic requirements of the site. 19. The lighting design should be based on the circus requirements of the site. 20. The lighting design should be based on the theatrical requirements of the site. 21. The lighting design should be based on the operatic requirements of the site. 22. 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PREPARED BY:

Pete Harris

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Results Grid 1

Eav	1.19
Emin	0.54
Emax	2.44
Emin/Emax	0.22
Emin/Eav	0.46

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