

DATE: 10 February 2023
DESIGNER: M Groves AMILP EngTECH
PROJECT No: 20014676
PROJECT NAME: EVO20014676-AC-001-D

ENERVEO

Burgess Hill WBLR Phase 3

Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	A2300 - Grid 1 - C3/M3	529391.33	120267.58	150.00	60.00	1.49	1.46
2	A2300 - Grid 2 - C3/M3	529499.29	120166.53	150.00	60.00	1.49	1.46
3	Jane Muray Way - Grid 1 - ...	529517.06	119934.61	85.12	34.89	1.49	1.45
4	Jane Muray Way - Grid 2 - ...	529578.40	119986.45	73.50	43.39	1.50	1.50
5	Jane Muray Way RAB - Grid ...	529599.31	120066.16	61.21	57.01	1.49	1.46
6	Footpath 01 - Grid 01 - P5	529388.93	120272.88	106.22	30.84	1.50	1.47
7	Footpath 01 - Grid 02 - P5	529464.35	120201.35	102.98	26.52	1.49	1.47
8	Footpath 01 - Grid 03 - P5	529536.80	120132.88	88.64	24.64	1.48	1.45
9	Jane Muray Way - Grid 4 - ...	529420.39	119744.82	108.62	48.80	1.49	1.48
10	ISO Lux Contours - Grid 01	529320.00	120106.00	250.00	250.00	1.50	1.50
11	ISO Lux Contours - Grid 02	529570.00	120106.00	250.00	250.00	1.50	1.50
12	ISO Lux Contours - Grid 03	529320.00	119856.00	250.00	250.00	1.50	1.50
13	ISO Lux Contours - Grid 04	529570.00	119856.00	250.00	250.00	1.50	1.50
14	ISO Lux Contours - Grid 05	529320.00	119606.00	250.00	250.00	1.50	1.50
15	Footpath 02 - Grid 01 - P5	529549.78	120152.71	102.31	31.56	1.48	1.43
16	Footpath 02 - Grid 02 - P5	529479.69	120224.37	102.31	31.56	1.48	1.43
17	Footpath 02 - Grid 03 - P5	529410.92	120291.22	97.64	31.56	1.48	1.43

Luminaires

Luminaire A Data

Supplier	
Type	BGP704 DW10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	23.00
File Name	Luma Gen2 Medium_BGP704_DW10_2300 0_80LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	438.8, 62.1, 0.0
No. in Project	4

Luminaire B Data

Supplier	
Type	BGP703 DM32
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	13.00
File Name	Luma Gen2 Mini_BGP703_DM32_13000_4 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	457.3, 30.0, 0.0
No. in Project	4

Luminaire C Data

Supplier	
Type	AXIA 3.3 5279 Integrated lenses 48 OSLO N SQUARE GIANT@800mA
Lamp(s)	48 OSLO N SQUARE GIANT@800mA NW 740 230V 00-36-983
LampFlux(klm)/Colour	17.07 NW 4000K/70
File Name	AXIA 3.3 5279 48 LED 800mA NW 740 115 W 429344 230V TF.Idt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	781.4, 152.7, 3.9
No. in Project	3

Luminaire D Data

Supplier	
Type	SGS253 GB OR P1
Lamp(s)	SON-TPP150W
LampFlux(klm)/Colour	17.50 -/
File Name	SGS253 GB 1xSON-TPP150W OR P1.Idt
Maintenance Factor	0.88
Imax70,80,90(cd/klm)	373.5, 11.1, 1.0
No. in Project	7

Luminaires

Luminaire E Data

Supplier	
Type	AXIA 3.2 5281 Integrated lenses 32 OSLO N SQUARE GIANT@700mA
Lamp(s)	32 OSLO N SQUARE GIANT@700mA NW 740 230V 02-58-000
LampFlux(klm)/Colour	10.45 NW 4000K/70
File Name	AXIA 3.2 5281 32 LED 700mA NW 740 69 W 430142 230V TF.Idt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	862.3, 183.0, 0.0
No. in Project	7

Luminaire F Data

Supplier	
Type	AXIA 3.1 5296 Integrated lenses Rear louvers 8 OSLO N SQUARE G
Lamp(s)	8 OSLO N SQUARE GIANT@300mA NW 740 230V 01-42-072
LampFlux(klm)/Colour	0.99 NW 4000K/70
File Name	AXIA 3.1 5296 8 LED 300mA NW 740 8.9W 457602 BL 230V TF.Idt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1285.9, 28.2, 0.0
No. in Project	6

Luminaire G Data

Supplier	
Type	SGS253 GB OR P6
Lamp(s)	SON-TPP150W
LampFlux(klm)/Colour	17.50 -/
File Name	SGS253 GB 1xSON-TPP150W OR P6.Idt
Maintenance Factor	0.88
Imax70,80,90(cd/klm)	422.3, 13.1, 1.0
No. in Project	1

Luminaire M Data

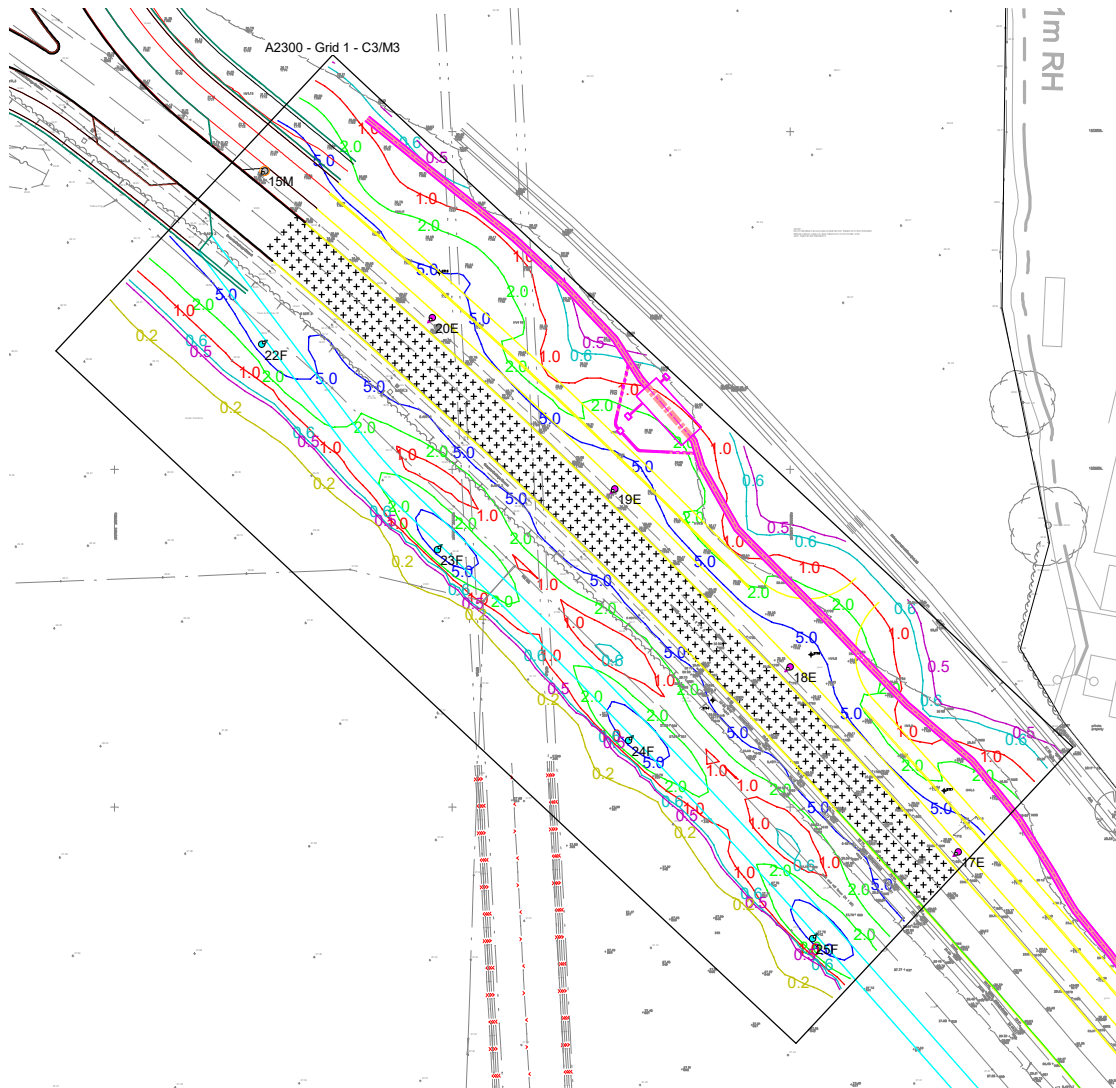
Supplier	
Type	BGP704 DW50
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	15.00
File Name	Luma Gen2 Medium_BGP704_DW50_1500 0_80LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	529464.70	119928.03	10.00	283.00	0.00	0.00	0.40			
2	B	529490.74	119917.54	10.00	136.00	0.00	0.00	0.40			
3	B	529508.35	119956.19	10.00	318.00	0.00	0.00	0.40			
4	C	529533.46	119987.94	10.00	317.00	0.00	0.00	0.40			
5	C	529566.28	120017.11	10.00	311.00	0.00	0.00	0.40			
6	C	529589.89	120035.70	10.00	309.00	0.00	0.00	0.40			
7	D	529614.30	120057.33	10.00	317.00	0.00	0.00	0.40			
8	D	529619.36	120071.23	10.00	5.00	0.00	0.00	0.40			
9	D	529635.89	120101.30	10.00	291.00	0.00	0.00	0.40			
10	D	529640.42	120044.00	10.00	90.00	0.00	0.00	0.40			
11	D	529666.47	120104.91	10.00	233.00	0.00	0.00	0.40			
12	D	529609.96	120087.62	10.00	41.00	0.00	0.00	0.40			
13	E	529596.88	120117.00	10.00	232.00	0.00	0.00	0.40			
14	E	529573.58	120137.69	10.00	225.00	0.00	0.00	0.40			
15	M	529422.25	120294.21	10.00	228.00	0.00	0.00	0.40			
16	E	529549.18	120165.50	10.00	223.00	0.00	0.00	0.40			
17	E	529524.88	120193.40	10.00	221.00	0.00	0.00	0.40			
18	E	529500.00	120220.79	10.00	223.00	0.00	0.00	0.40			
19	E	529474.05	120247.16	10.00	228.00	0.00	0.00	0.40			
20	E	529447.07	120272.49	10.00	228.00	0.00	0.00	0.40			
23	D	529666.97	120045.32	10.00	106.00	0.00	0.00	0.40			
22	F	529421.79	120268.55	6.00	35.00	0.00	0.00	0.40			
23	F	529447.80	120238.16	6.00	47.00	0.00	0.00	0.40			
24	F	529476.10	120209.90	6.00	46.00	0.00	0.00	0.40			
25	F	529503.32	120180.59	6.00	46.00	0.00	0.00	0.40			
26	F	529529.74	120150.55	6.00	43.00	0.00	0.00	0.40			
27	F	529555.13	120126.04	6.00	51.00	0.00	0.00	0.40			
28	G	529403.76	119769.06	10.00	331.00	0.00	0.00	0.40			
29	A	529469.00	119888.00	10.00	160.00	0.00	0.00	0.40			
30	A	529444.00	119867.00	10.00	358.00	0.00	0.00	0.40			
31	B	529449.00	119832.00	10.00	155.00	0.00	0.00	0.40			
32	B	529422.41	119807.76	10.00	335.00	0.00	0.00	0.40			
33	A	529433.00	119904.00	10.00	34.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

A2300 - Grid 1 - C3/M3

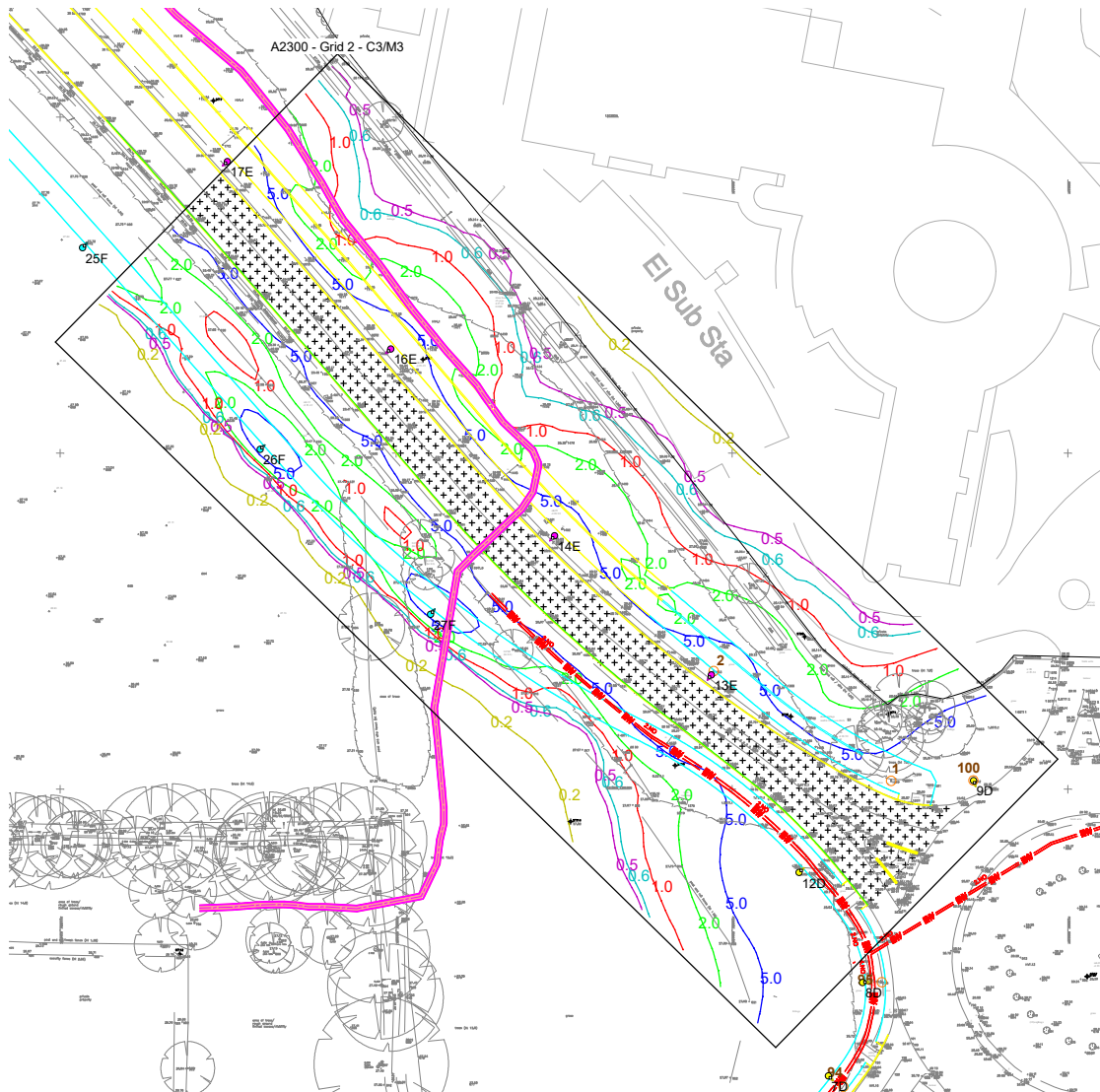


Results

Eav	16.38
Emin	8.41
Emax	26.38
Emin/Emax	0.32
Emin/Eav	0.51

Horizontal Illuminance (lux)

A2300 - Grid 2 - C3/M3

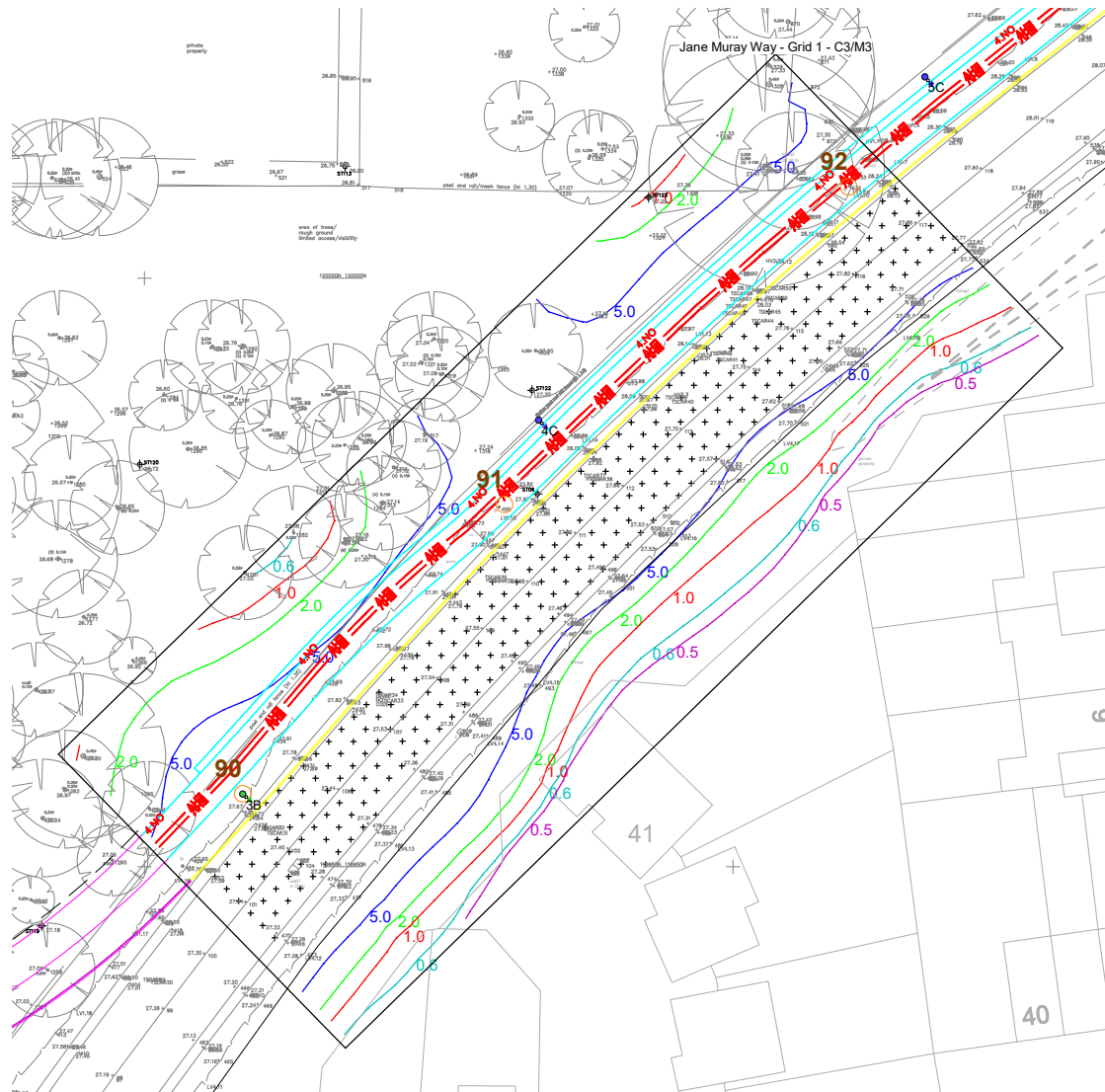


Results

Eav	18.11
Emin	7.50
Emax	32.27
Emin/Emax	0.23
Emin/Eav	0.41

Horizontal Illuminance (lux)

Jane Murray Way - Grid 1 - C3/M3

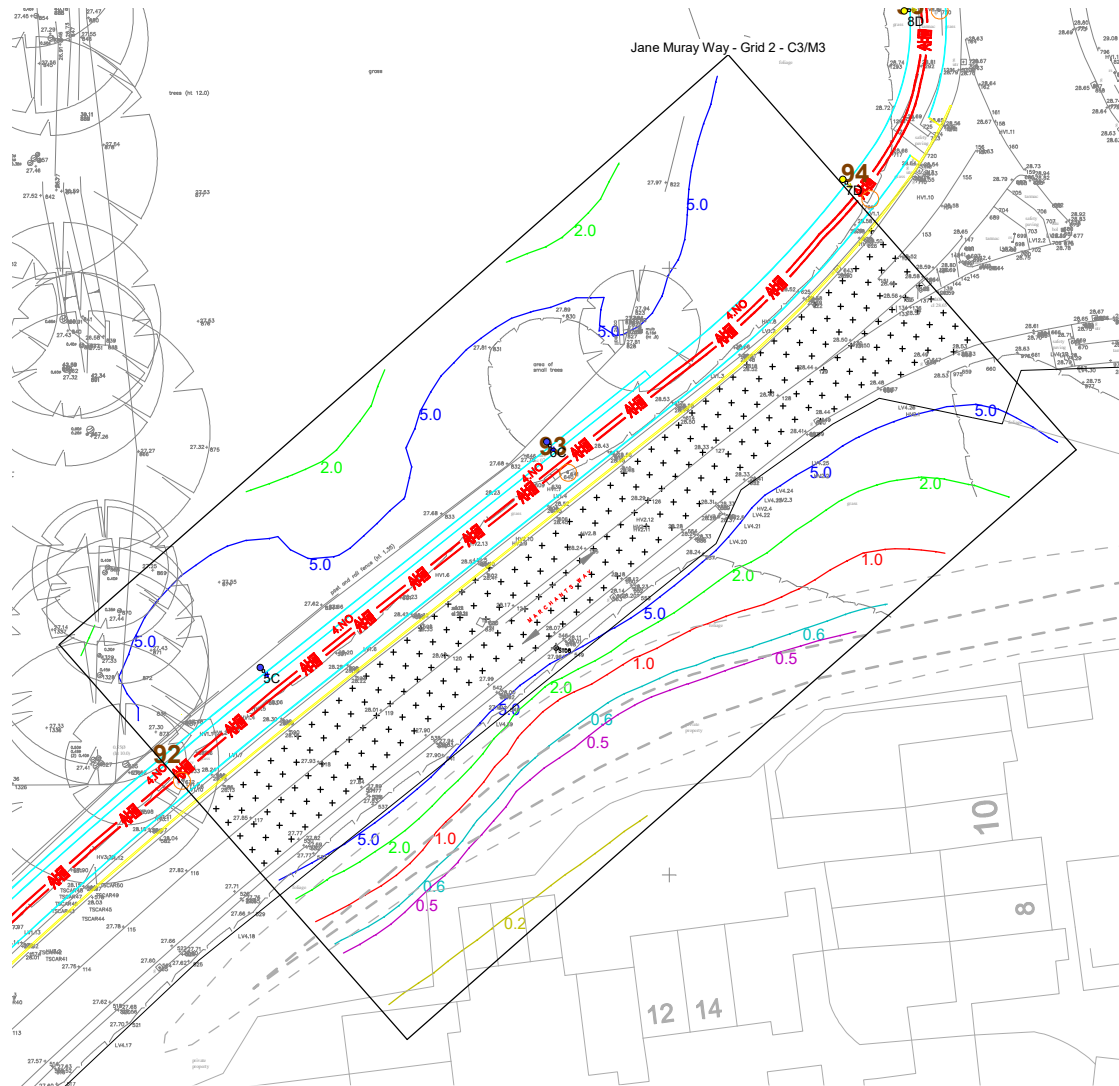


Results

Eav	16.34
Emin	6.75
Emax	37.25
Emin/Emax	0.18
Emin/Eav	0.41

Horizontal Illuminance (lux)

Jane Murray Way - Grid 2 - C3/M3

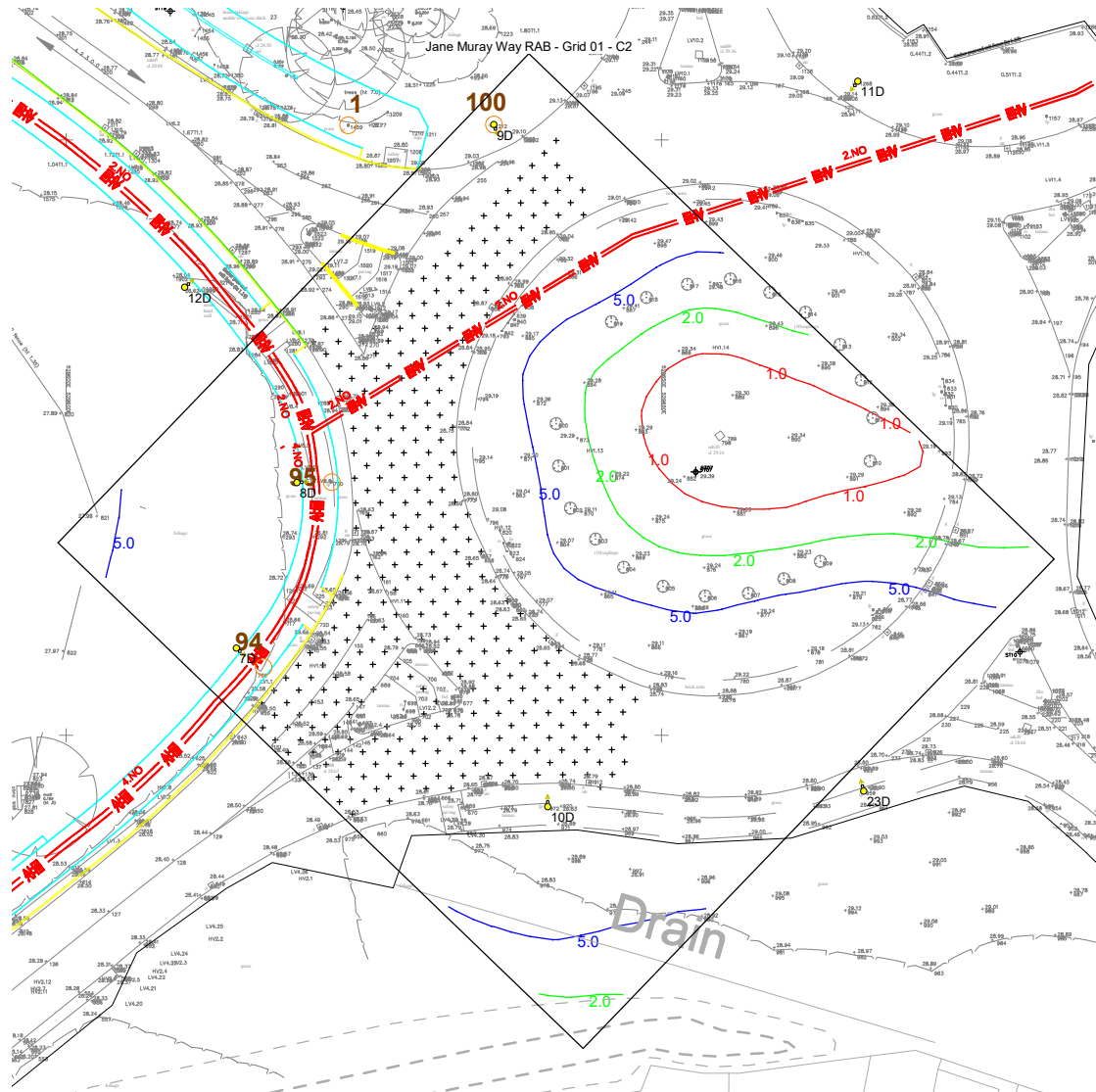


Results

Eav	20.67
Emin	10.00
E _{max}	37.37
E _{min} /E _{max}	0.27
E _{min} /E _{av}	0.48

Horizontal Illuminance (lux)

Jane Murray Way RAB - Grid 01 - C2

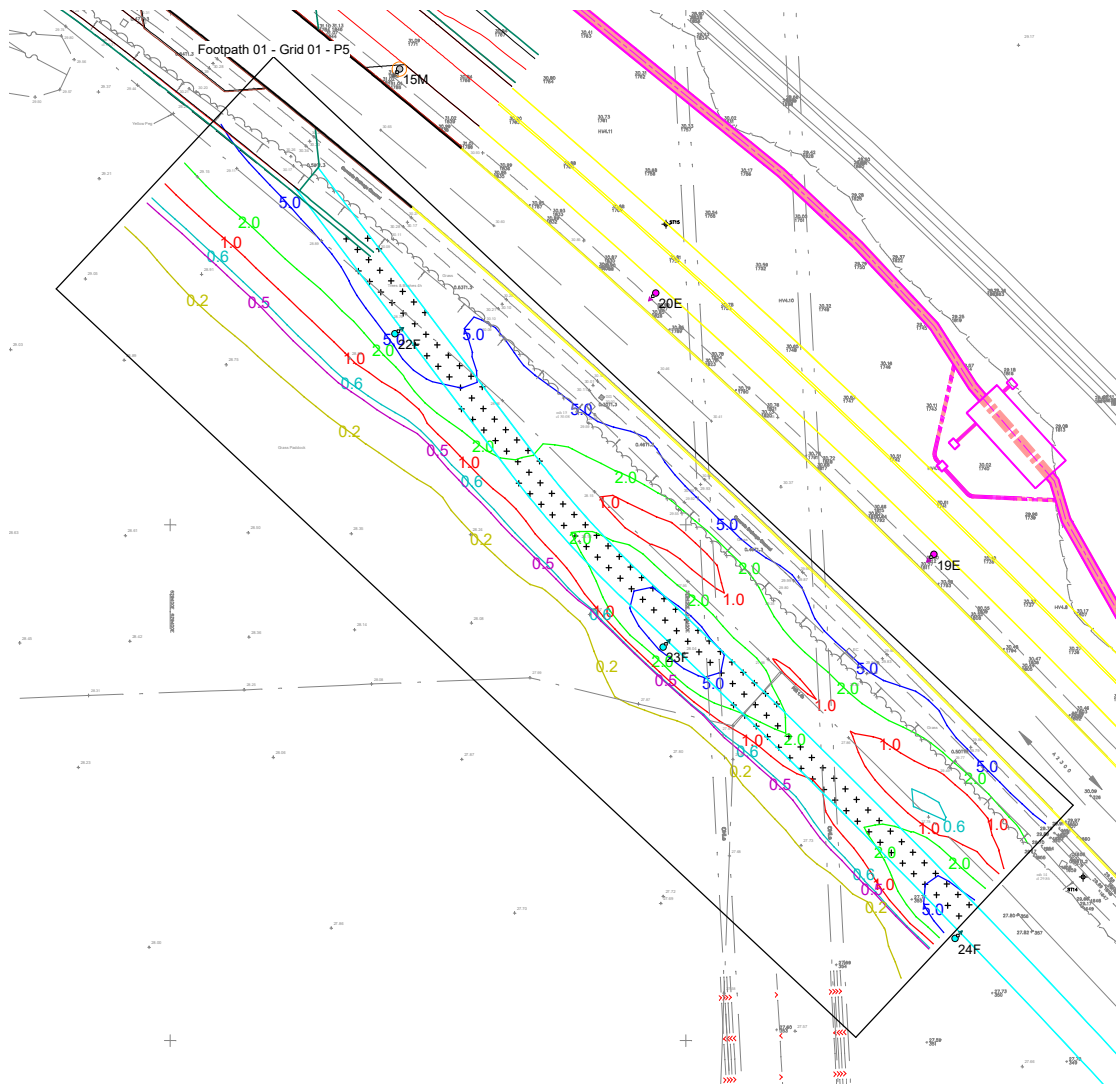


Results

Eav	22.50
Emin	9.66
Emax	37.07
Emin/Emax	0.26
Emin/Eav	0.43

Horizontal Illuminance (lux)

Footpath 01 - Grid 01 - P5

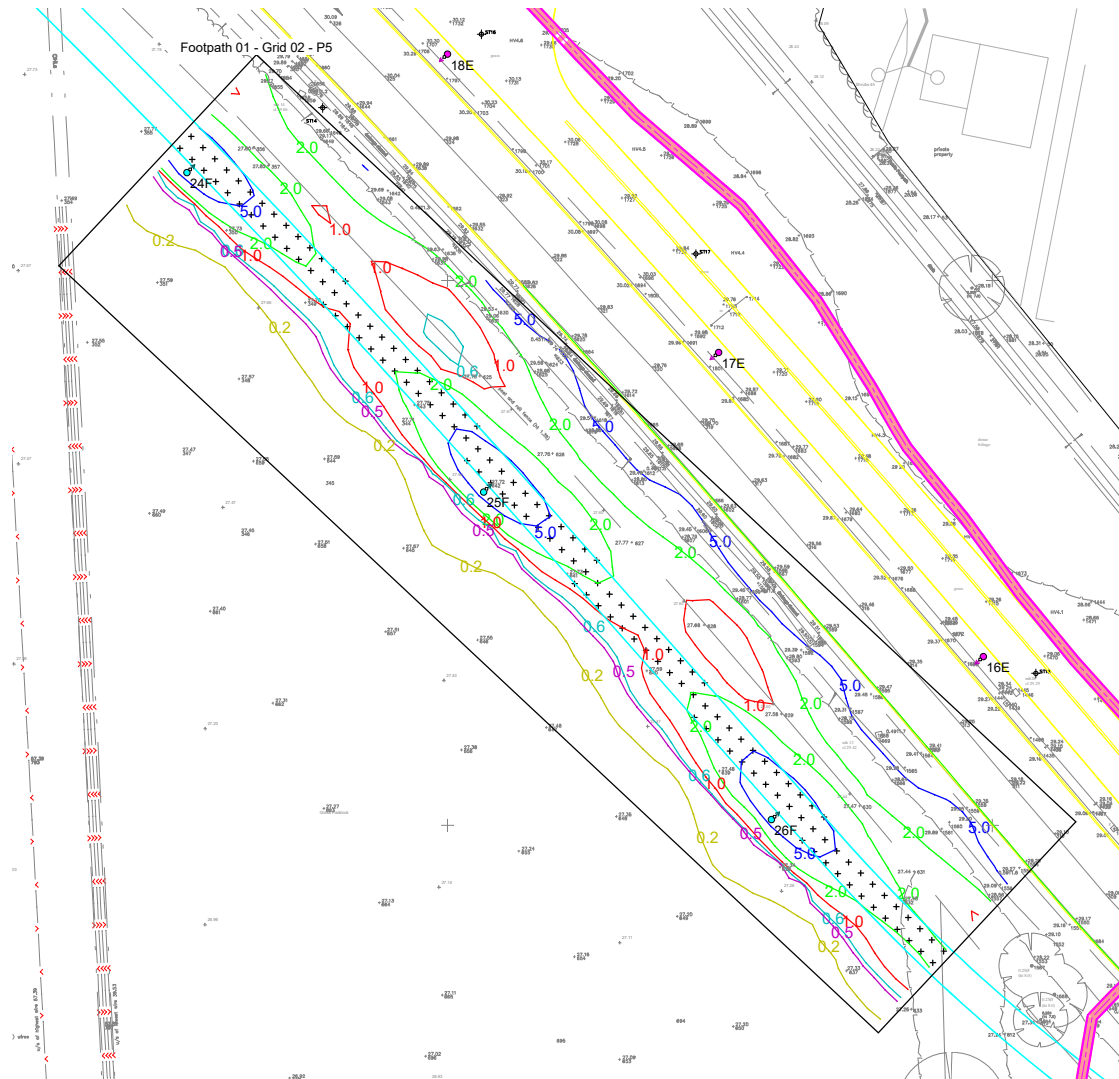


Results

Eav	4.58
Emin	1.01
Emax	14.19
Emin/Emax	0.07
Emin/Eav	0.22

Horizontal Illuminance (lux)

Footpath 01 - Grid 02 - P5

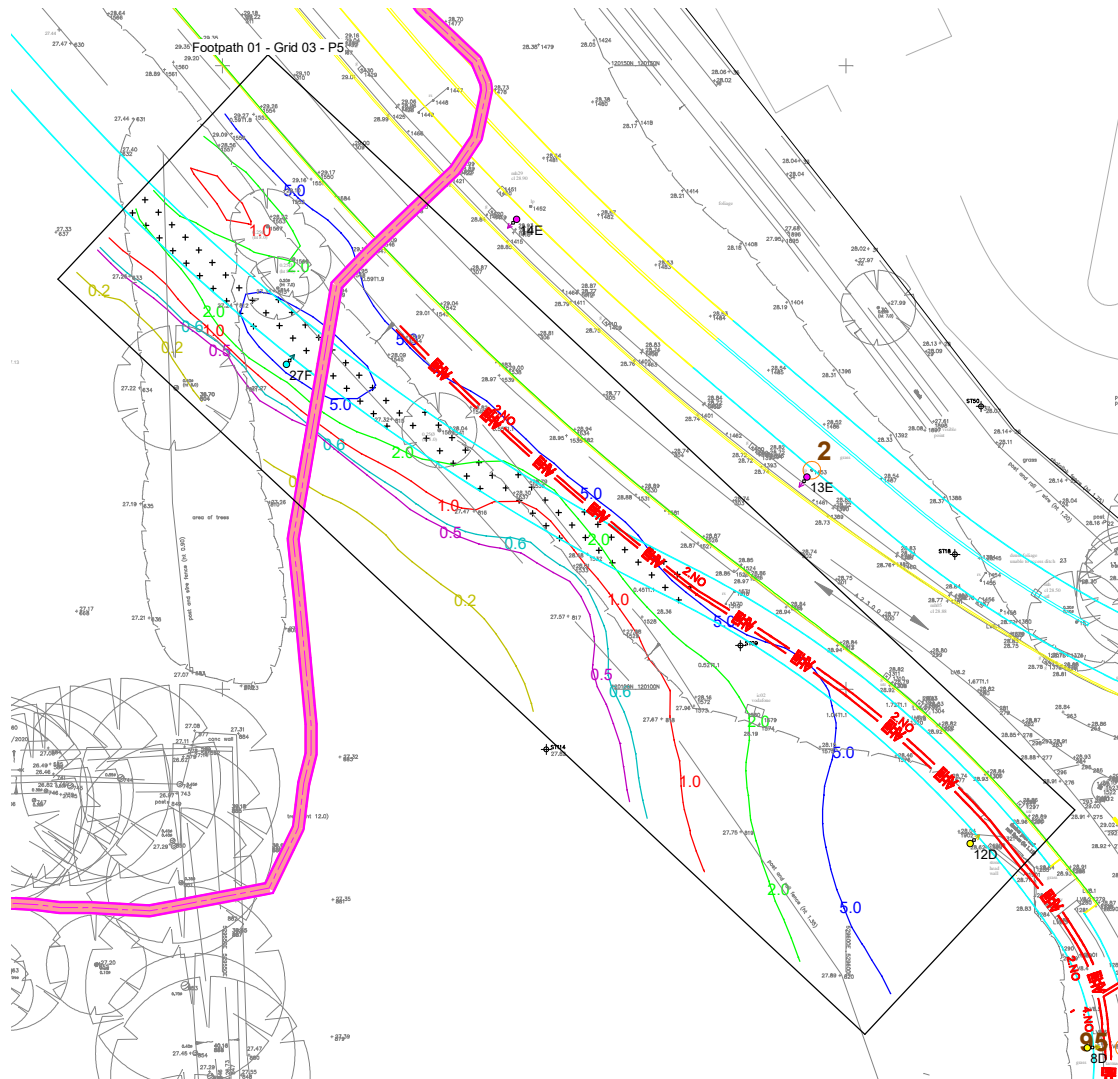


Results

Eav	3.99
Emin	0.93
Emax	12.93
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Footpath 01 - Grid 03 - P5

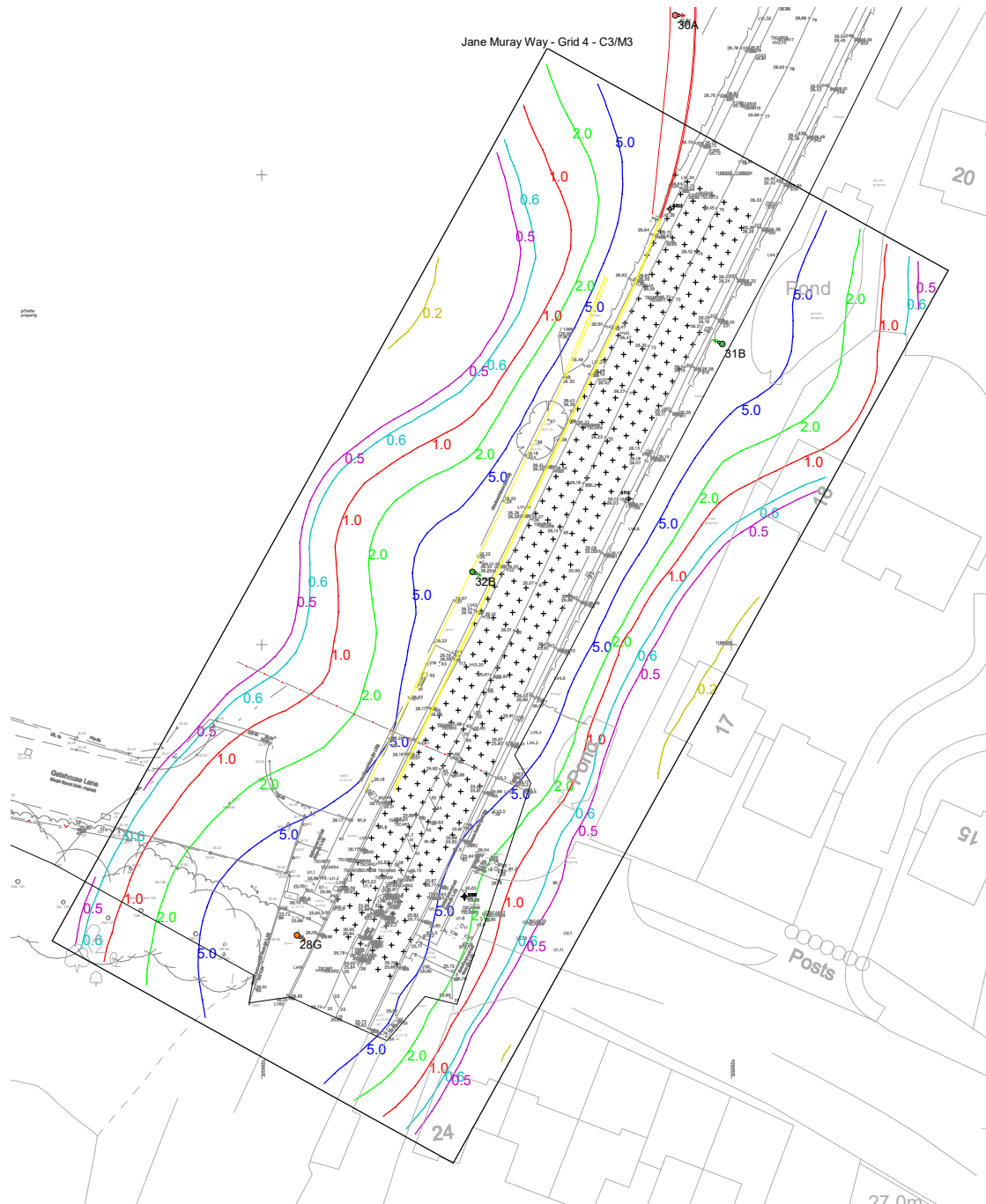


Results

Eav	3.80
Emin	0.85
Emax	12.20
Emin/Emax	0.07
Emin/Eav	0.22

Horizontal Illuminance (lux)

Jane Murray Way - Grid 4 - C3/M3

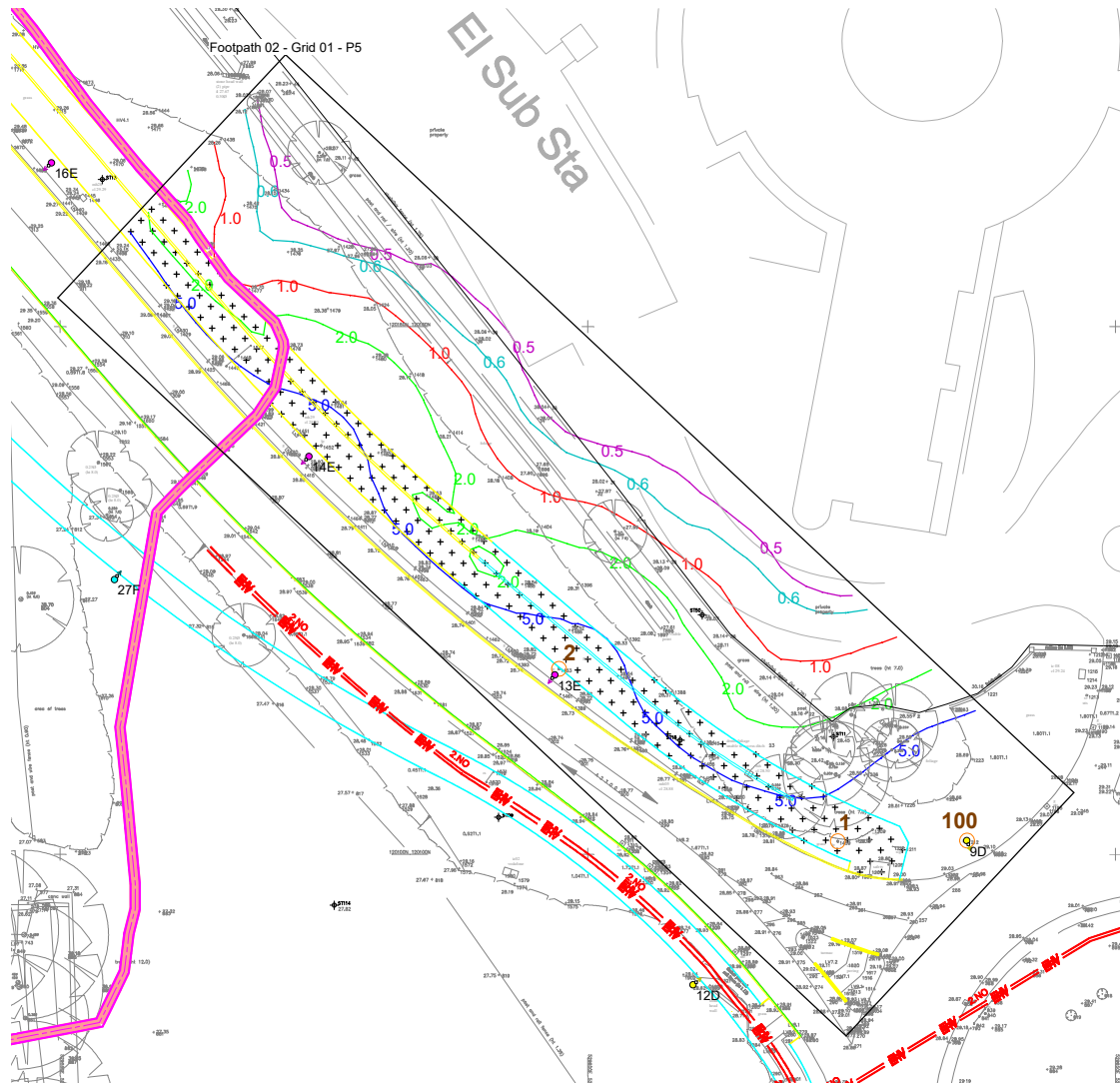


Results

Eav	15.64
Emin	6.26
Emax	37.25
Emin/Emax	0.17
Emin/Eav	0.40

Horizontal Illuminance (lux)

Footpath 02 - Grid 01 - P5

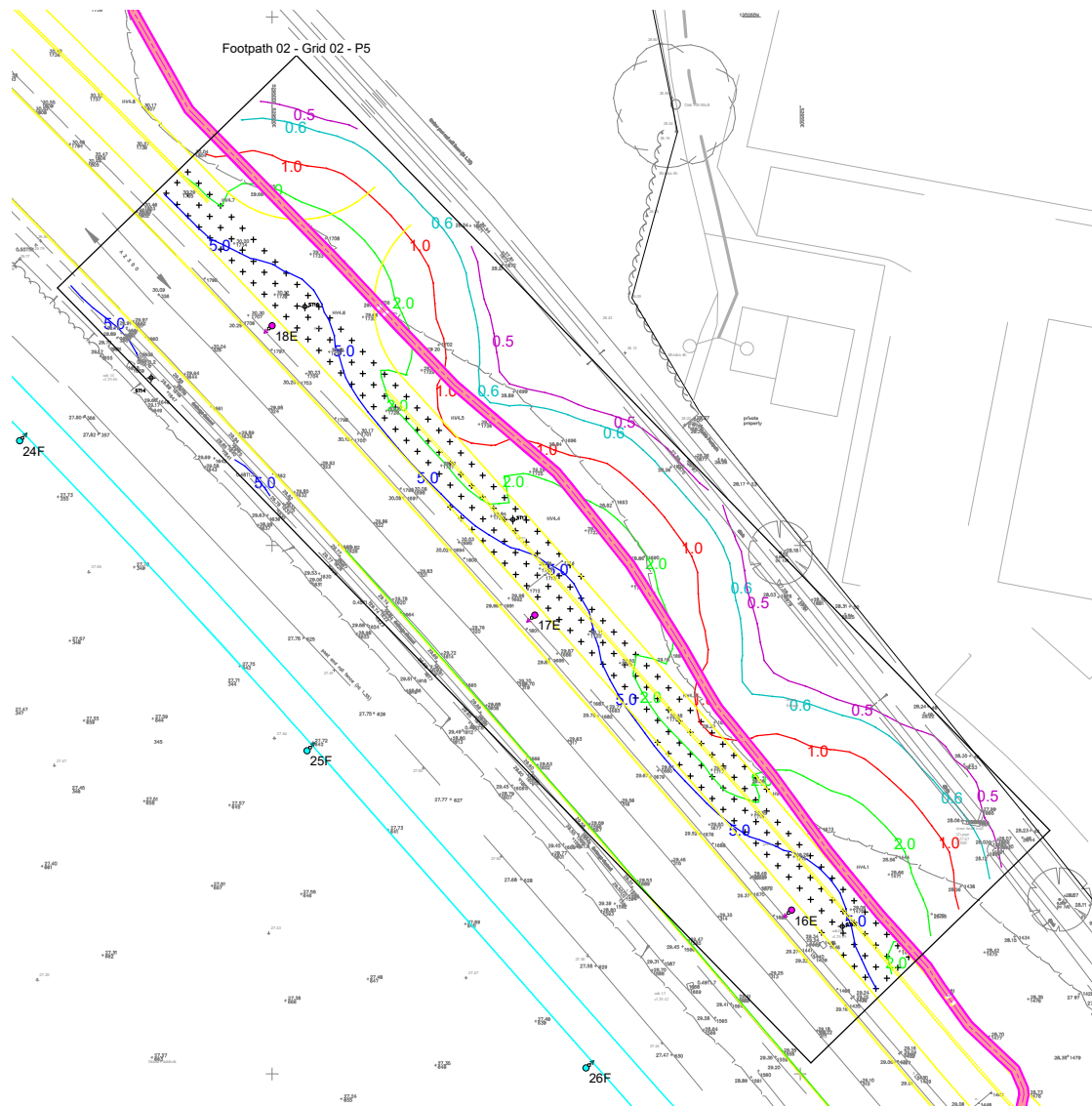


Results

Eav	5.15
Emin	0.99
Emax	15.54
Emin/Emax	0.06
Emin/Eav	0.19

Horizontal Illuminance (lux)

Footpath 02 - Grid 02 - P5

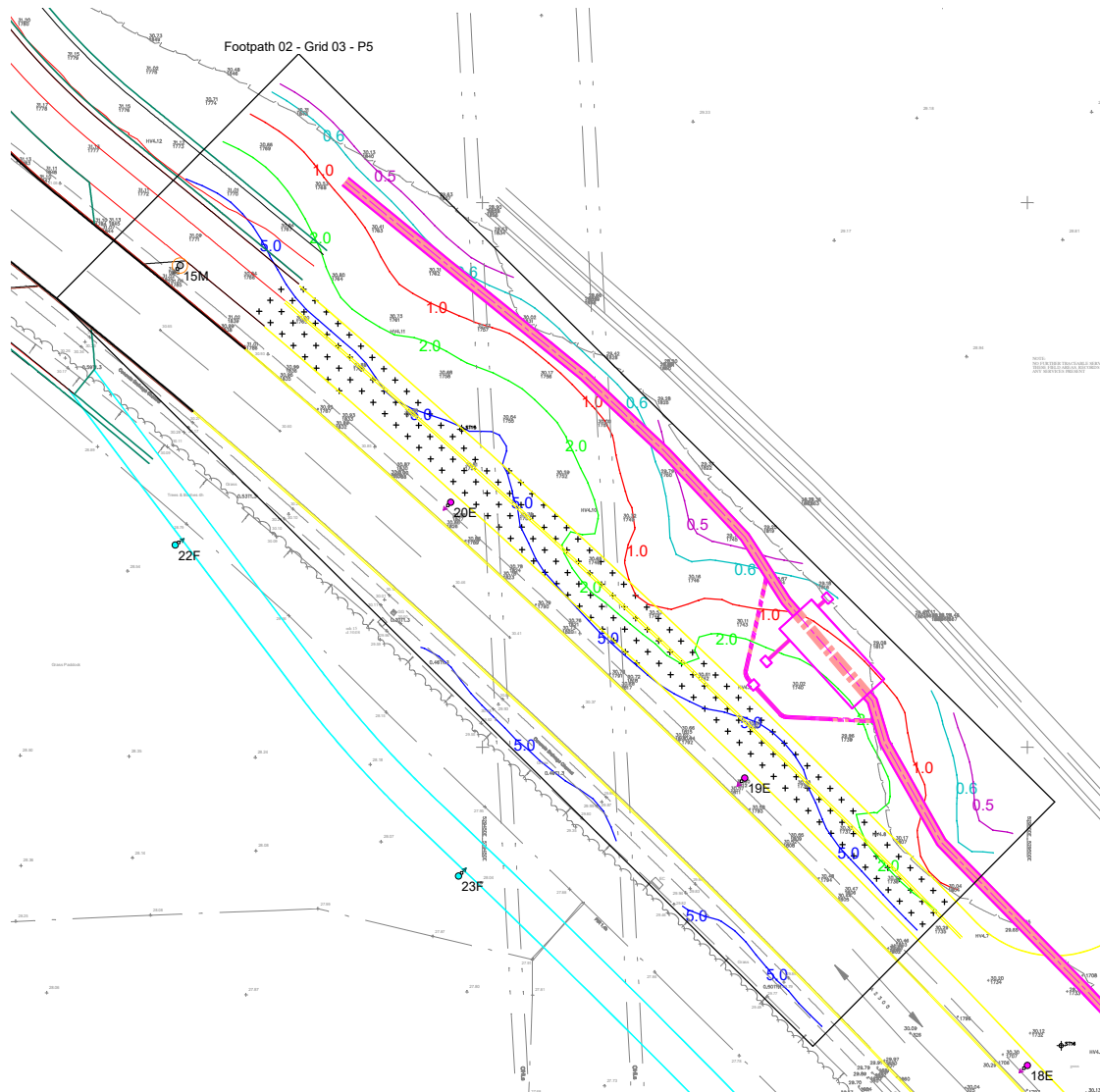


Results

Eav	4.46
Emin	0.94
Emax	15.27
Emin/Emax	0.06
Emin/Eav	0.21

Horizontal Illuminance (lux)

Footpath 02 - Grid 03 - P5



Results

Eav	4.91
Emin	1.01
Emax	14.60
Emin/Emax	0.07
Emin/Eav	0.21