

DATE: 15 December 2025
DESIGNER: M Groves AMILP EngTech
PROJECT No: 20033126
PROJECT NAME: EVO20033126-AC-001-A

ENERVEO

Main spine road lit to P3.
Side roads lit to P4.

Imberhorne Farm, East Grinstead - S38

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	Grid 1 - Spine Road 01 - P...	537549.98	138327.26	86.17	55.84	1.49	1.47
2	Grid 2 - Spine Road 01 - P...	537476.62	138329.30	87.42	55.84	1.48	1.47
3	Grid 3 - Spine Road 01 - P...	537424.76	138333.08	58.76	117.80	1.47	1.49
4	Grid 4 - Spine Road 01 - P...	537433.82	138447.43	58.76	117.80	1.47	1.49
5	Grid 5 - Spine Road 01 - P...	537452.17	138557.25	56.37	101.43	1.48	1.49
6	Grid 6 - Spine Road 01 - P...	537396.53	138656.50	127.29	82.03	1.50	1.49
7	Grid 7 - Spine Road 01 - P...	537260.54	138662.89	146.07	73.70	1.49	1.47
8	Grid 8 - Spine Road 01 - P...	537117.97	138682.75	146.07	73.70	1.49	1.47
9	Grid 9 - Spine Road 01 - P...	536979.77	138718.29	146.07	73.70	1.49	1.47
10	Grid 10 - Spine Road 01 - ...	536850.55	138710.72	146.07	73.70	1.49	1.47
11	Grid 11 - Spine Road 01 - ...	536715.83	138689.27	146.07	73.70	1.49	1.47
12	Grid 12 - Spine Road 01 - ...	536554.41	138688.20	165.76	73.70	1.49	1.47
13	Grid 13 - Road 07	537389.04	138686.14	61.33	103.42	1.50	1.50
14	Grid 14 - Road 13 - P4	536885.85	138743.58	61.33	103.42	1.50	1.50
15	Grid 15	536888.10	138835.72	77.57	103.42	1.89	1.50

Luminaire

Luminaire A Data

Supplier	
Type	AXIA 3.1 5270 Integrated lenses Rear louve rs 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@700mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	3.52 WW 2700K/70
File Name	AXIA 3.1 5270 16 OSLON SQUARE GIANT Drv 700mA WW 727 36.3W 457682 Integra...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	1135.6, 52.1, 0.0
No. in Project	3

Luminaire B Data

Supplier	
Type	AXIA 3.1 5266 Integrated lenses Rear louve rs 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@700mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	3.45 WW 2700K/70
File Name	AXIA 3.1 5266 16 OSLON SQUARE GIANT Drv 700mA WW 727 36.3W 457662 Integra...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	1216.3, 169.4, 0.0
No. in Project	41

Luminaire C Data

Supplier	
Type	AXIA 3.1 5266 Integrated lenses Rear louve rs 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@500mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	2.59 WW 2700K/70
File Name	AXIA 3.1 5266 16 OSLON SQUARE GIANT Drv 500mA WW 727 25.7W 457662 Integra...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1216.3, 169.4, 0.0
No. in Project	5

Luminaire D Data

Supplier	
Type	AXIA 3.1 5267 Integrated lenses Rear louve rs 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@600mA WW 727 230V 01-11-814
LampFlux(klm)/Colour	2.73 WW 2700K/70
File Name	AXIA 3.1 5267 16 OSLON SQUARE GIANT Drv 600mA WW 727 31W 457672 Integrat...
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	7

Luminaires

Luminaire M Data

Supplier	
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@870mA NW 740 230V 01-11-815
LampFlux(klm)/Colour	4.49 NW 4000K/70
File Name	AXIA 3.1 5267 16 OSLON SQUARE GIANT Drv 870mA NW 740 44.5W 457672 Integra...
Maintenance Factor	0.93
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	1

Layout

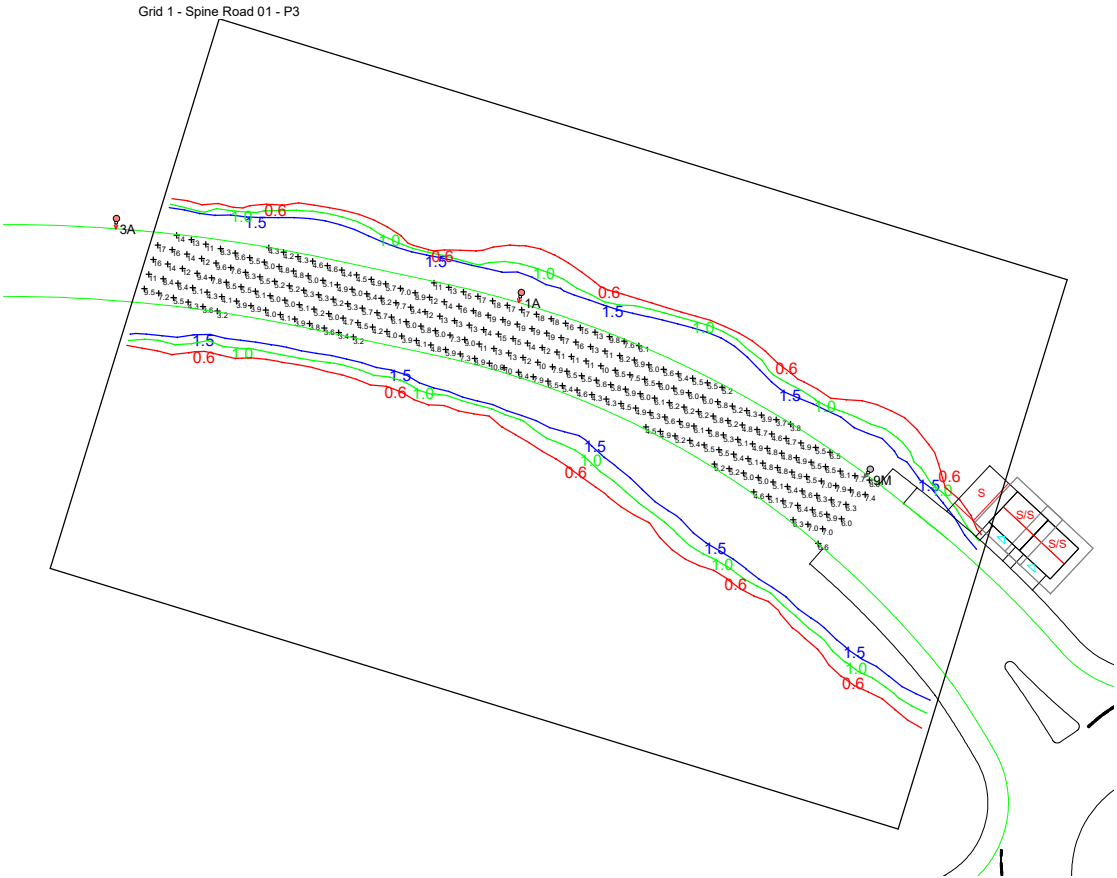
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	537595.75	138354.04	8.00	254.00	0.00	0.00	0.40	100%			
9	M	537629.65	138336.88	8.00	233.00	0.00	0.00	0.40	80%			
3	A	537556.40	138361.23	8.00	267.00	0.00	0.00	0.40	100%			
4	A	537516.47	138358.96	8.00	283.00	0.00	0.00	0.40	90%			
5	B	537475.33	138348.97	8.00	62.00	0.00	0.00	0.40	90%			
6	B	537458.23	138377.23	8.00	5.00	0.00	0.00	0.40	100%			
7	B	537467.24	138407.84	8.00	180.00	0.00	0.00	0.40	100%			
8	B	537467.09	138438.87	8.00	182.00	0.00	0.00	0.40	100%			
9	B	537478.37	138495.35	8.00	168.00	0.00	0.00	0.40	100%			
10	B	537483.43	138525.93	8.00	171.00	0.00	0.00	0.40	100%			
11	B	537470.56	138465.28	8.00	163.00	0.00	0.00	0.40	100%			
12	B	537490.27	138566.87	8.00	170.00	0.00	0.00	0.40	100%			
13	B	537497.19	138607.78	8.00	169.00	0.00	0.00	0.40	100%			
14	B	537501.58	138644.52	8.00	186.00	0.00	0.00	0.40	100%			
15	B	537487.74	138680.76	8.00	219.00	0.00	0.00	0.40	100%			
16	B	537468.04	138698.68	8.00	238.00	0.00	0.00	0.40	100%			
17	B	537439.64	138707.96	8.00	266.00	0.00	0.00	0.40	100%			
19	B	537413.48	138698.78	8.00	96.00	0.00	0.00	0.40	100%			
20	B	537381.52	138704.63	8.00	276.00	0.00	0.00	0.40	100%			
21	B	537351.97	138695.46	8.00	93.00	0.00	0.00	0.40	100%			
22	B	537313.80	138703.55	8.00	270.00	0.00	0.00	0.40	100%			
23	B	537283.77	138696.65	8.00	88.00	0.00	0.00	0.40	100%			
24	B	537246.17	138706.49	8.00	269.00	0.00	0.00	0.40	100%			
25	B	537215.89	138702.04	8.00	82.00	0.00	0.00	0.40	100%			
25	B	537179.41	138718.85	8.00	256.00	0.00	0.00	0.40	100%			
26	B	537146.12	138719.46	8.00	75.00	0.00	0.00	0.40	100%			
27	B	537113.97	138736.35	8.00	257.00	0.00	0.00	0.40	100%			
28	B	537082.03	138735.75	8.00	79.00	0.00	0.00	0.40	100%			
29	B	537044.09	138752.10	8.00	261.00	0.00	0.00	0.40	100%			
30	B	537012.94	138747.23	8.00	86.00	0.00	0.00	0.40	100%			
31	B	536980.64	138756.38	8.00	272.00	0.00	0.00	0.40	75%			
32	B	536957.24	138747.76	8.00	95.00	0.00	0.00	0.40	75%			
33	B	536930.84	138754.45	8.00	275.00	0.00	0.00	0.40	75%			
34	B	536905.18	138745.10	8.00	93.00	0.00	0.00	0.40	75%			
35	B	536878.00	138751.70	8.00	275.00	0.00	0.00	0.40	75%			
36	B	536570.98	138725.23	6.00	267.00	0.00	0.00	0.40	100%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
37	B	536819.69	138746.54	8.00	283.00	0.00	0.00	0.40	100%			
38	B	536797.57	138733.94	8.00	107.00	0.00	0.00	0.40	100%			
39	B	536760.57	138731.95	8.00	286.00	0.00	0.00	0.40	100%			
40	B	536732.10	138718.99	8.00	98.00	0.00	0.00	0.40	100%			
41	B	536847.56	138742.18	8.00	95.00	0.00	0.00	0.40	75%			
42	B	536704.37	138725.35	8.00	274.00	0.00	0.00	0.40	100%			
43	B	536668.17	138716.21	8.00	90.00	0.00	0.00	0.40	100%			
44	B	536637.92	138723.80	8.00	270.00	0.00	0.00	0.40	100%			
45	B	536605.86	138716.12	8.00	89.00	0.00	0.00	0.40	100%			
46	D	537430.15	138719.65	6.00	186.00	0.00	0.00	0.40	70%			
47	D	537429.08	138747.94	6.00	185.00	0.00	0.00	0.40	70%			
48	C	537422.78	138770.69	6.00	227.00	0.00	0.00	0.40	70%			
49	C	537439.24	138760.40	6.00	273.00	0.00	0.00	0.40	70%			
50	C	536914.35	138766.02	6.00	4.00	0.00	0.00	0.40	70%			
51	D	536921.29	138796.63	6.00	181.00	0.00	0.00	0.40	70%			
52	D	536911.77	138814.72	6.00	3.00	0.00	0.00	0.40	70%			
53	D	536912.78	138841.92	6.00	346.00	0.00	0.00	0.40	70%			
54	D	536922.23	138888.41	6.00	350.00	0.00	0.00	0.40	70%			
55	D	536931.89	138907.57	6.00	344.00	0.00	0.00	0.40	70%			
56	C	536946.34	138905.12	6.00	258.00	0.00	0.00	0.40	70%			
57	C	536920.46	138866.91	6.00	348.00	0.00	0.00	0.40	70%			

Horizontal Illuminance (lux)

Grid 1 - Spine Road 01 - P3



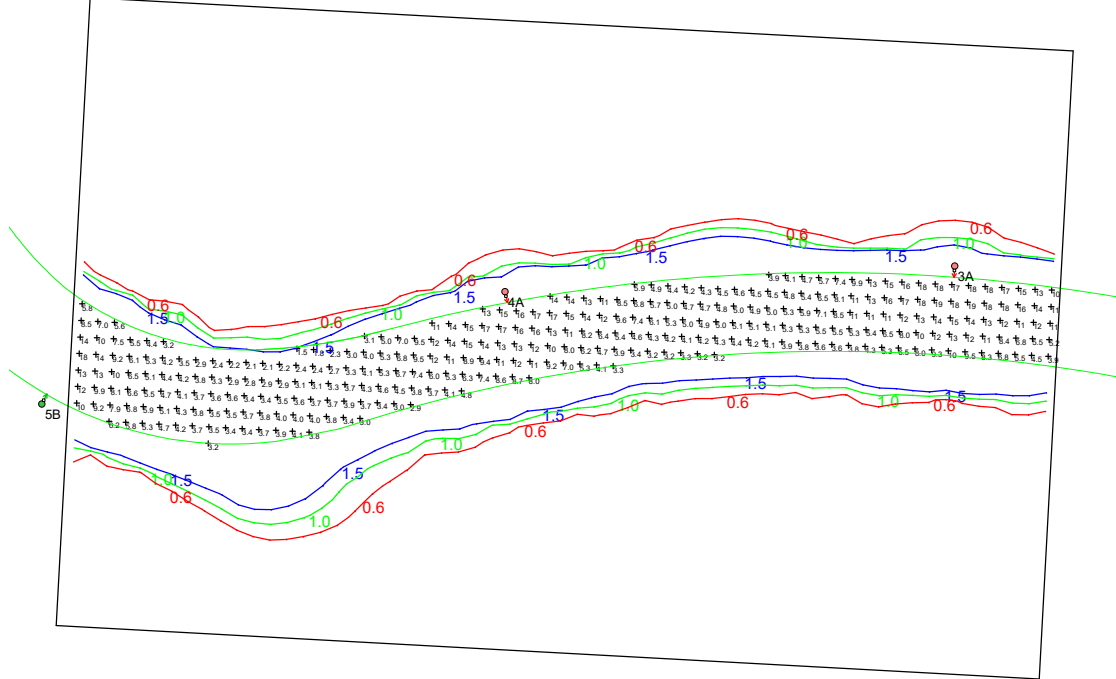
Results

Eav	7.65
Emin	3.22
Emax	19.05
Emin/Emax	0.17
Emin/Eav	0.42

Horizontal Illuminance (lux)

Grid 2 - Spine Road 01 - P3

Grid 2 - Spine Road 01 - P3

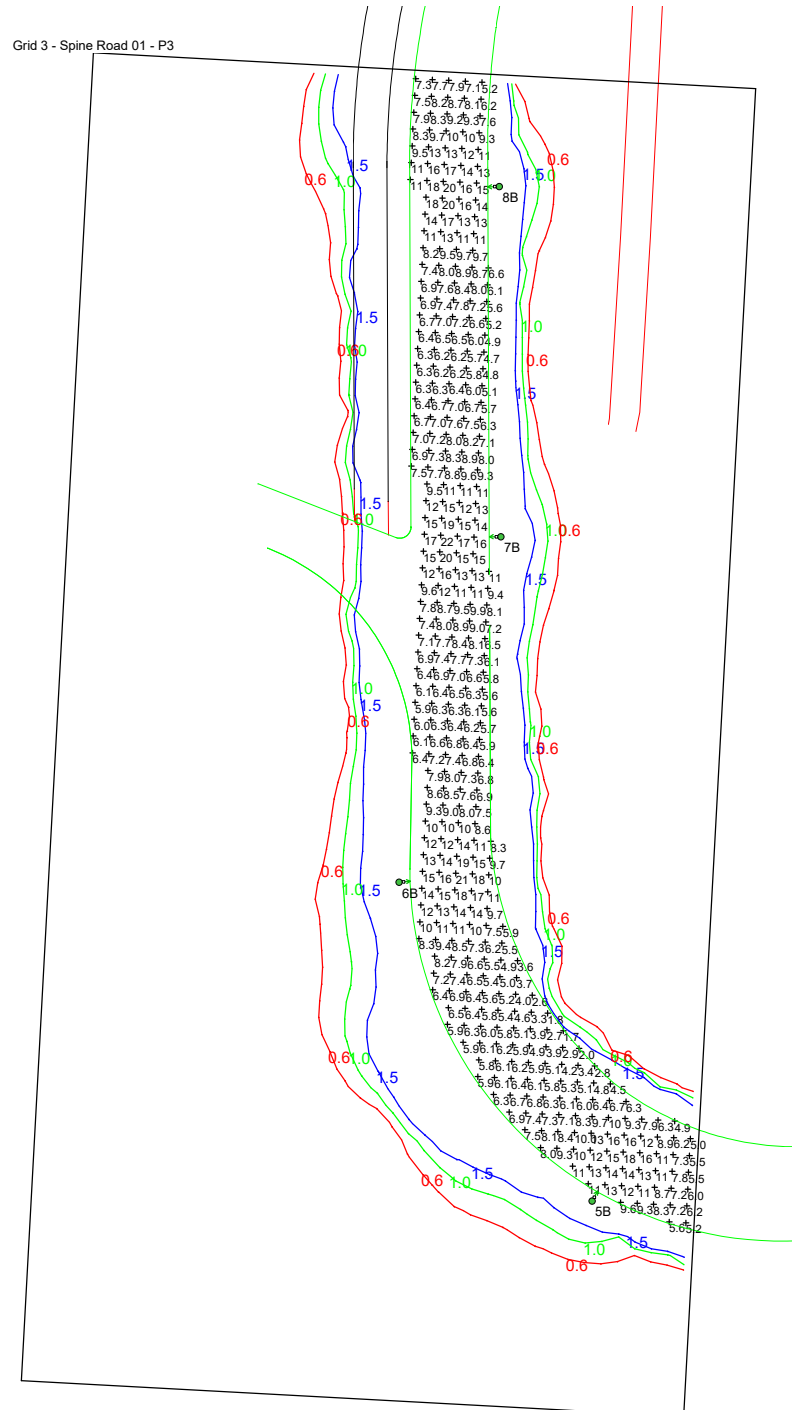


Results

Eav	7.53
Emin	1.54
Emax	18.91
Emin/Emax	0.08
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3 - Spine Road 01 - P3

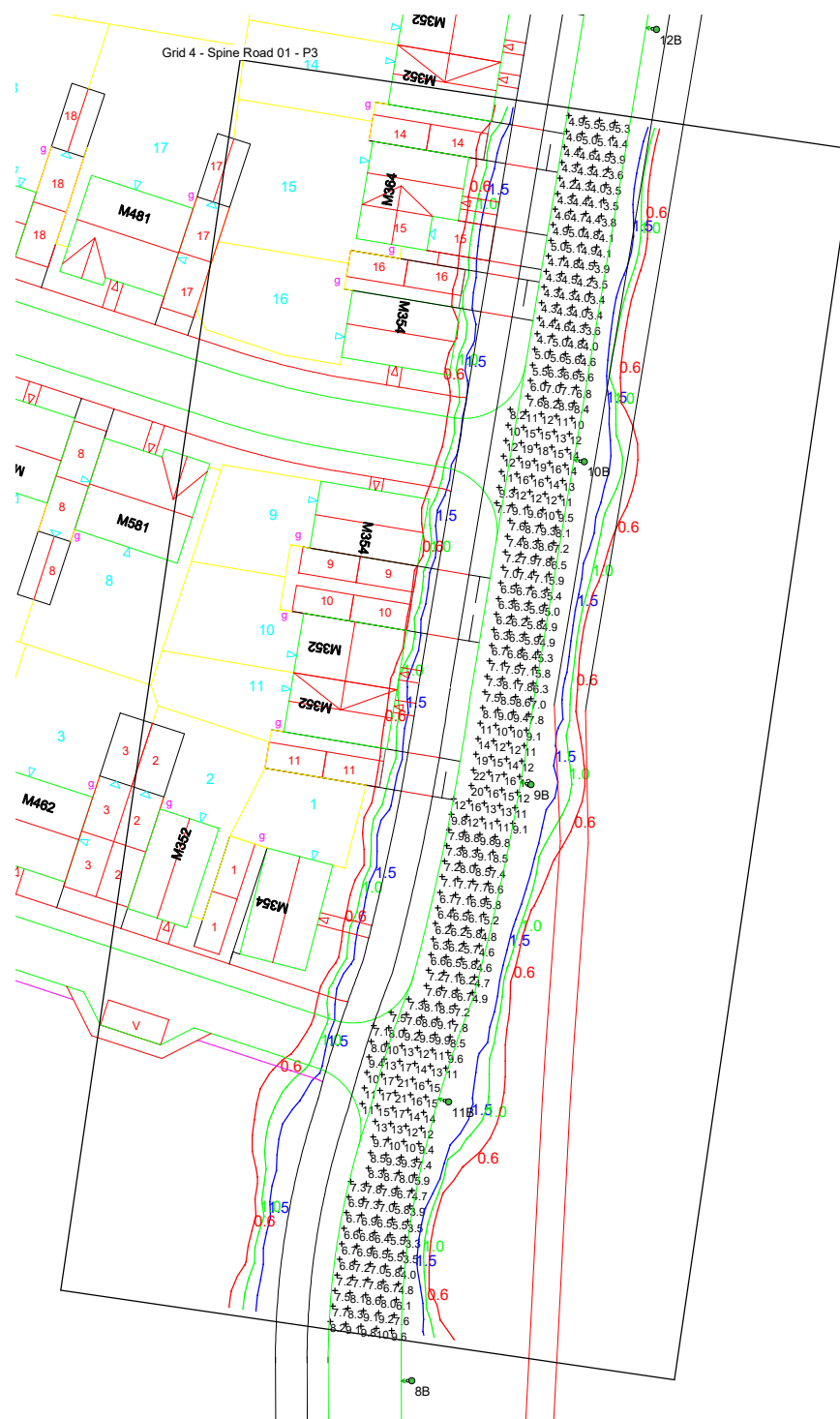


Results

Eav	8.78
Emin	1.67
Emax	22.08
Emin/Emax	0.08
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 4 - Spine Road 01 - P3

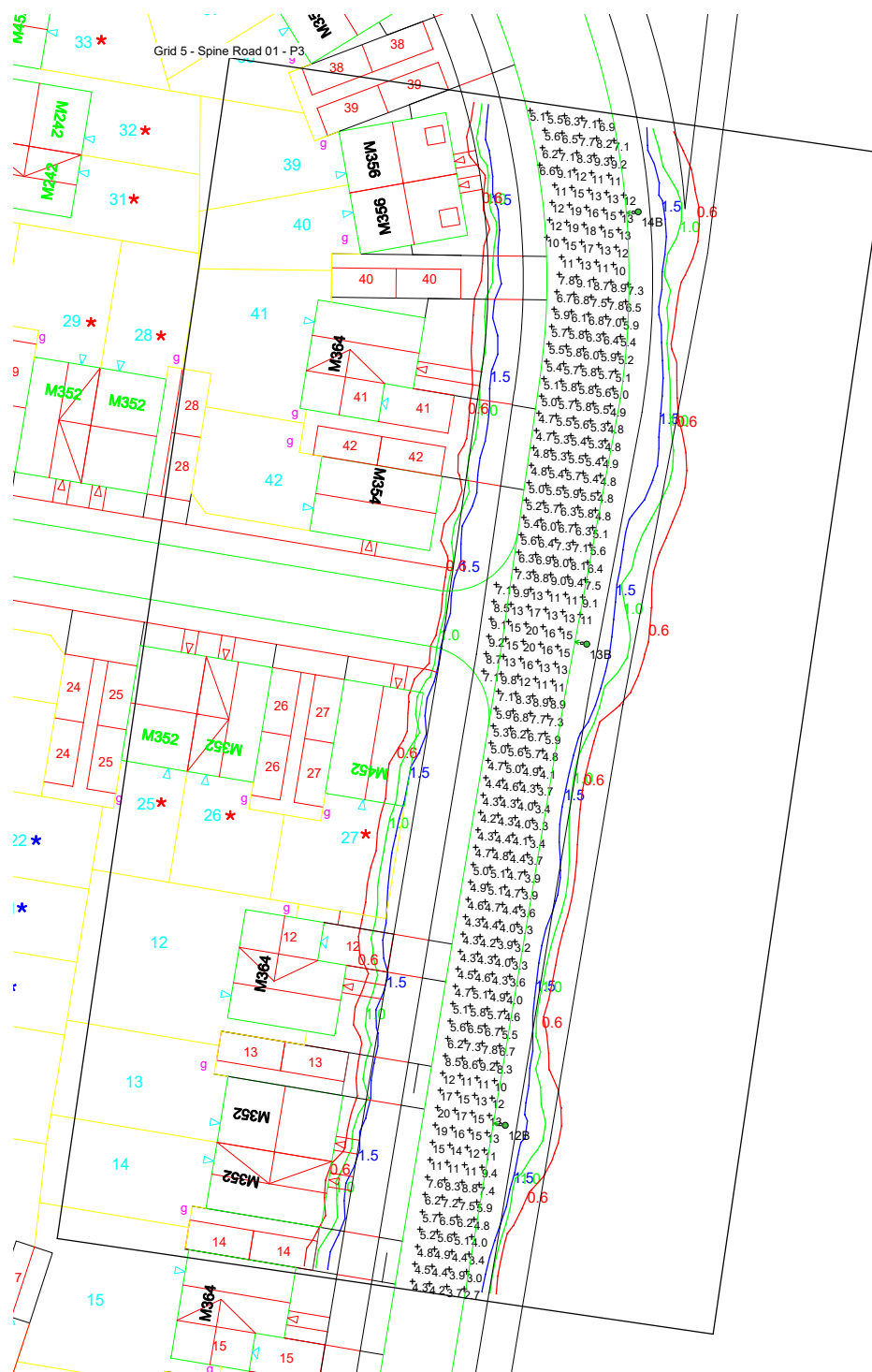


Results

Eav	8.33
Emin	3.34
Emax	21.66
Emin/Emax	0.15
Emin/Eav	0.40

Horizontal Illuminance (lux)

Grid 5 - Spine Road 01 - P3

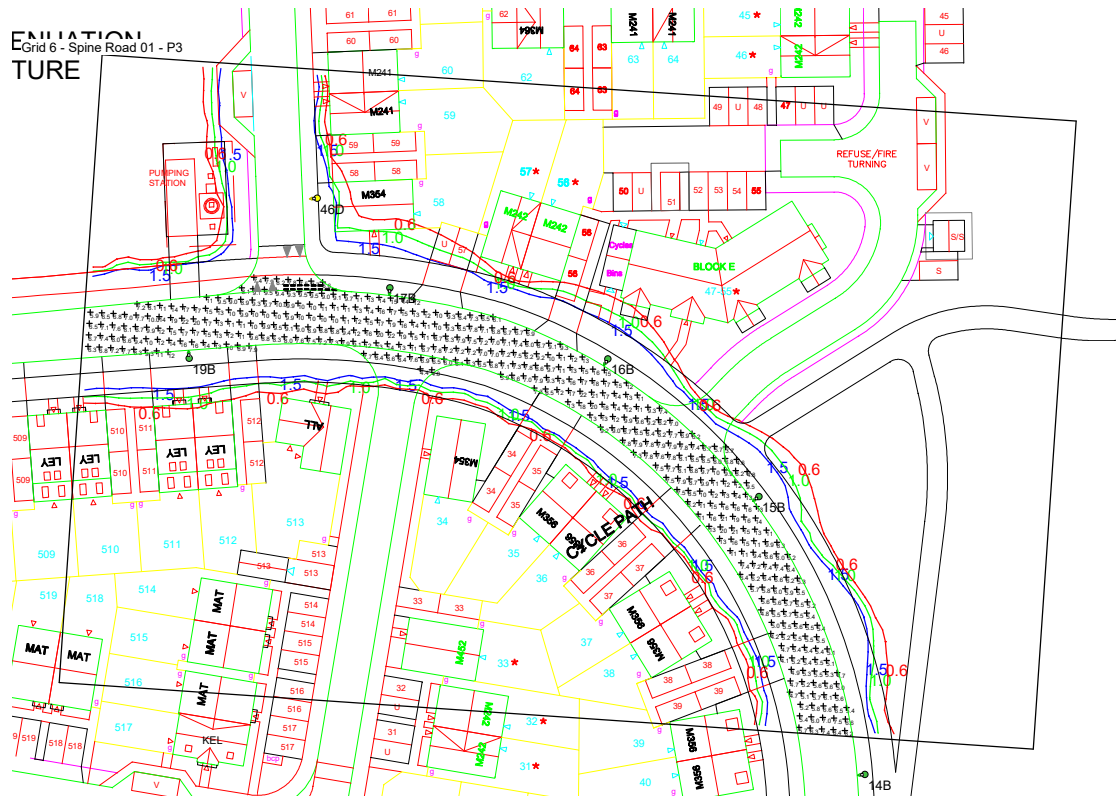


Results

Eav	7.71
Emin	2.71
Emax	20.39
Emin/Emax	0.13
Emin/Eav	0.35

Horizontal Illuminance (lux)

Grid 6 - Spine Road 01 - P3

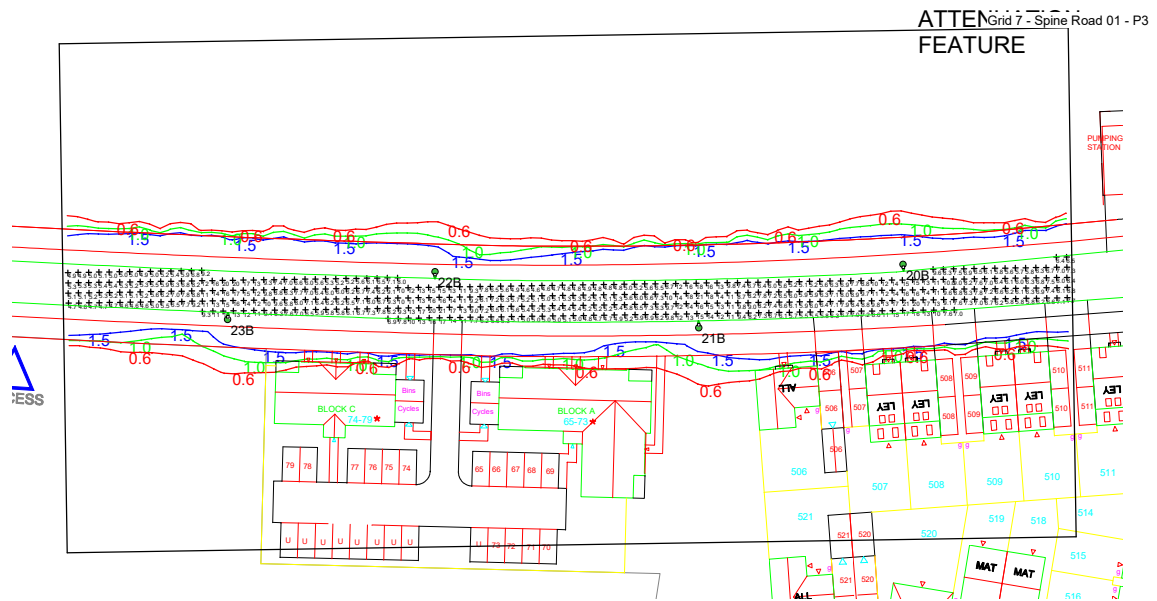


Results

Eav	9.66
Emin	3.75
Emax	22.05
Emin/Emax	0.17
Emin/Eav	0.39

Horizontal Illuminance (lux)

Grid 7 - Spine Road 01 - P3

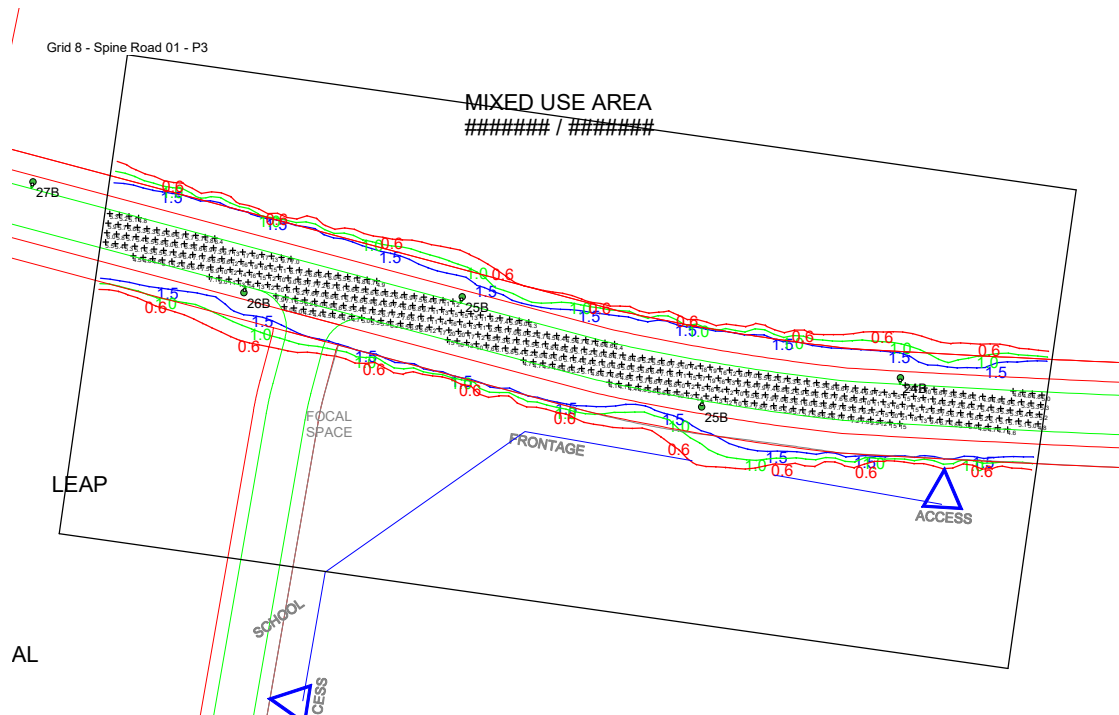


Results

Eav	8.44
Emin	4.56
Emax	21.24
Emin/Emax	0.21
Emin/Eav	0.54

Horizontal Illuminance (lux)

Grid 8 - Spine Road 01 - P3

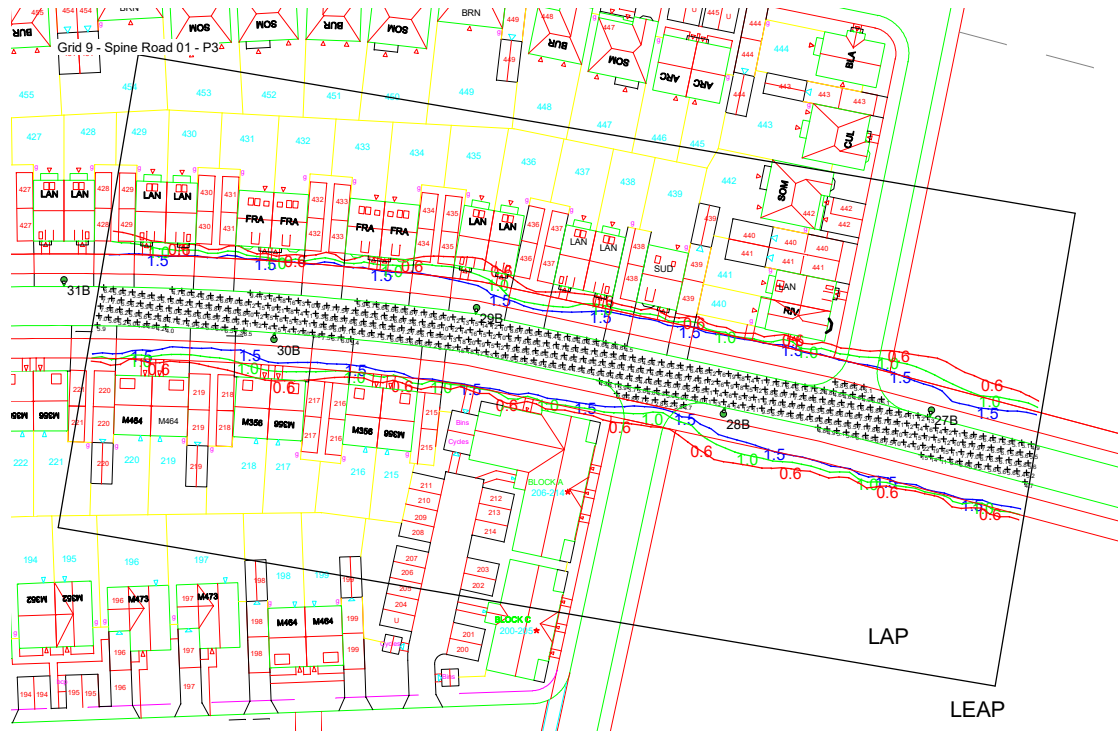


Results

Eav	8.06
Emin	3.95
Emax	21.42
Emin/Emax	0.18
Emin/Eav	0.49

Horizontal Illuminance (lux)

Grid 9 - Spine Road 01 - P3

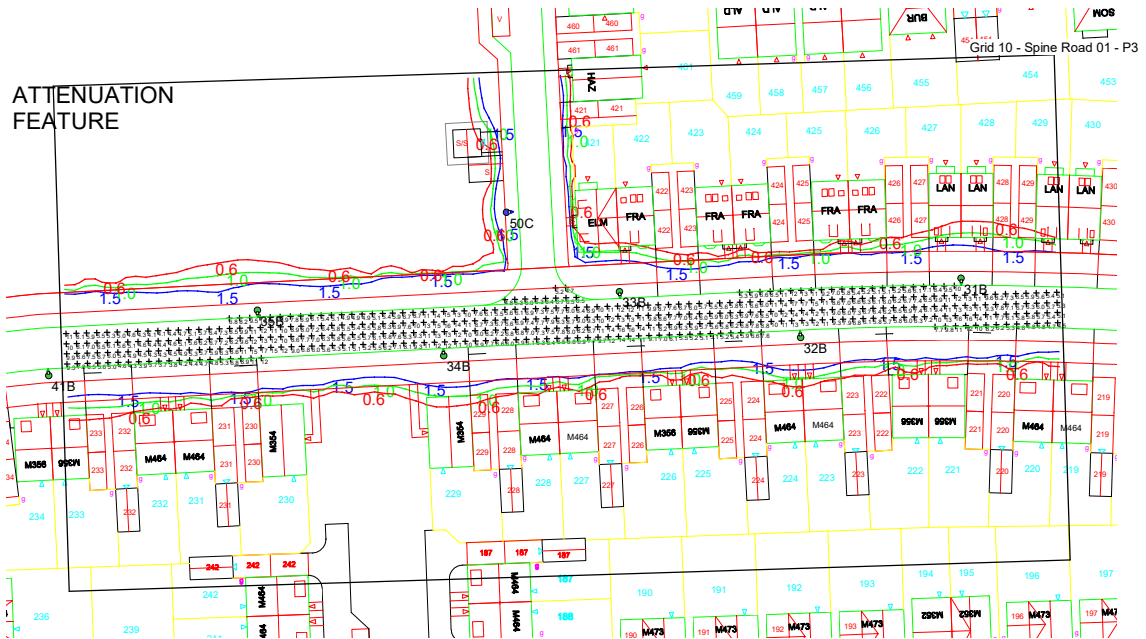


Results

Eav	8.04
Emin	2.68
Emax	21.52
Emin/Emax	0.12
Emin/Eav	0.33

Horizontal Illuminance (lux)

Grid 10 - Spine Road 01 - P3

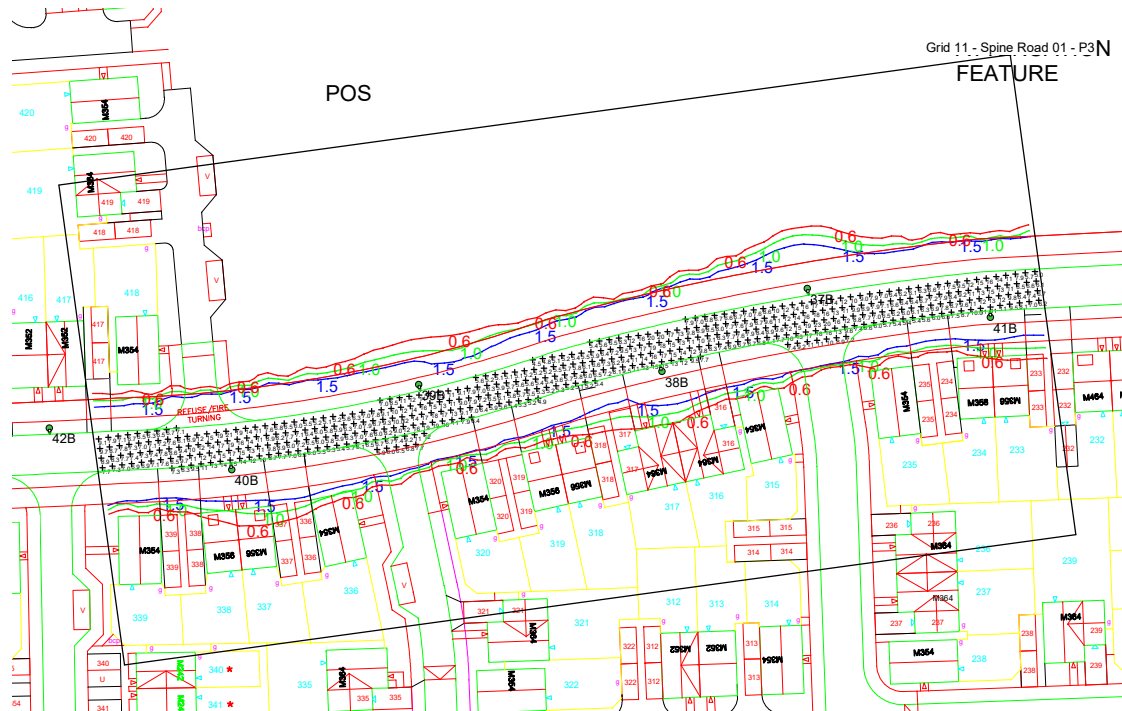


Results

Eav	7.98
Emin	3.67
Emax	17.33
Emin/Emax	0.21
Emin/Eav	0.46

Horizontal Illuminance (lux)

Grid 11 - Spine Road 01 - P3

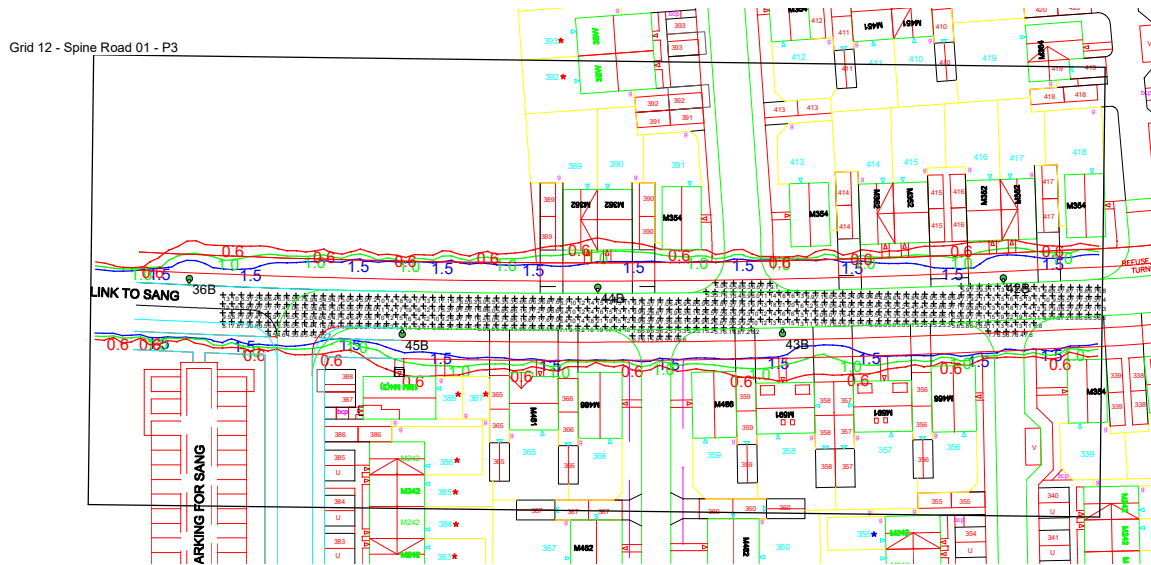


Results

Eav	9.30
Emin	4.46
Emax	22.51
Emin/Emax	0.20
Emin/Eav	0.48

Horizontal Illuminance (lux)

Grid 12 - Spine Road 01 - P3

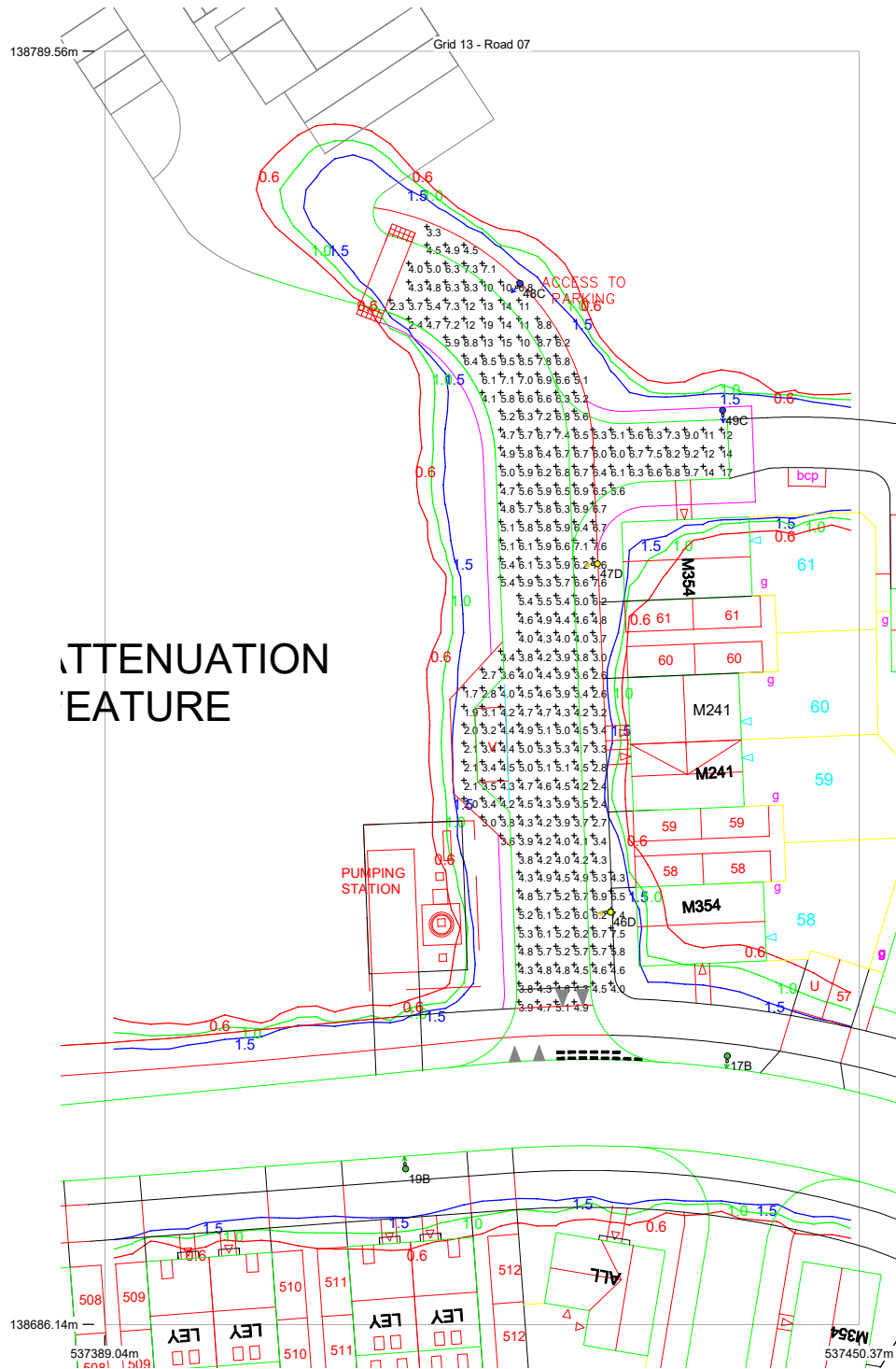


Results

Eav	8.52
Emin	2.74
Emax	21.50
Emin/Emax	0.13
Emin/Eav	0.32

Horizontal Illuminance (lux)

Grid 13 - Road 07

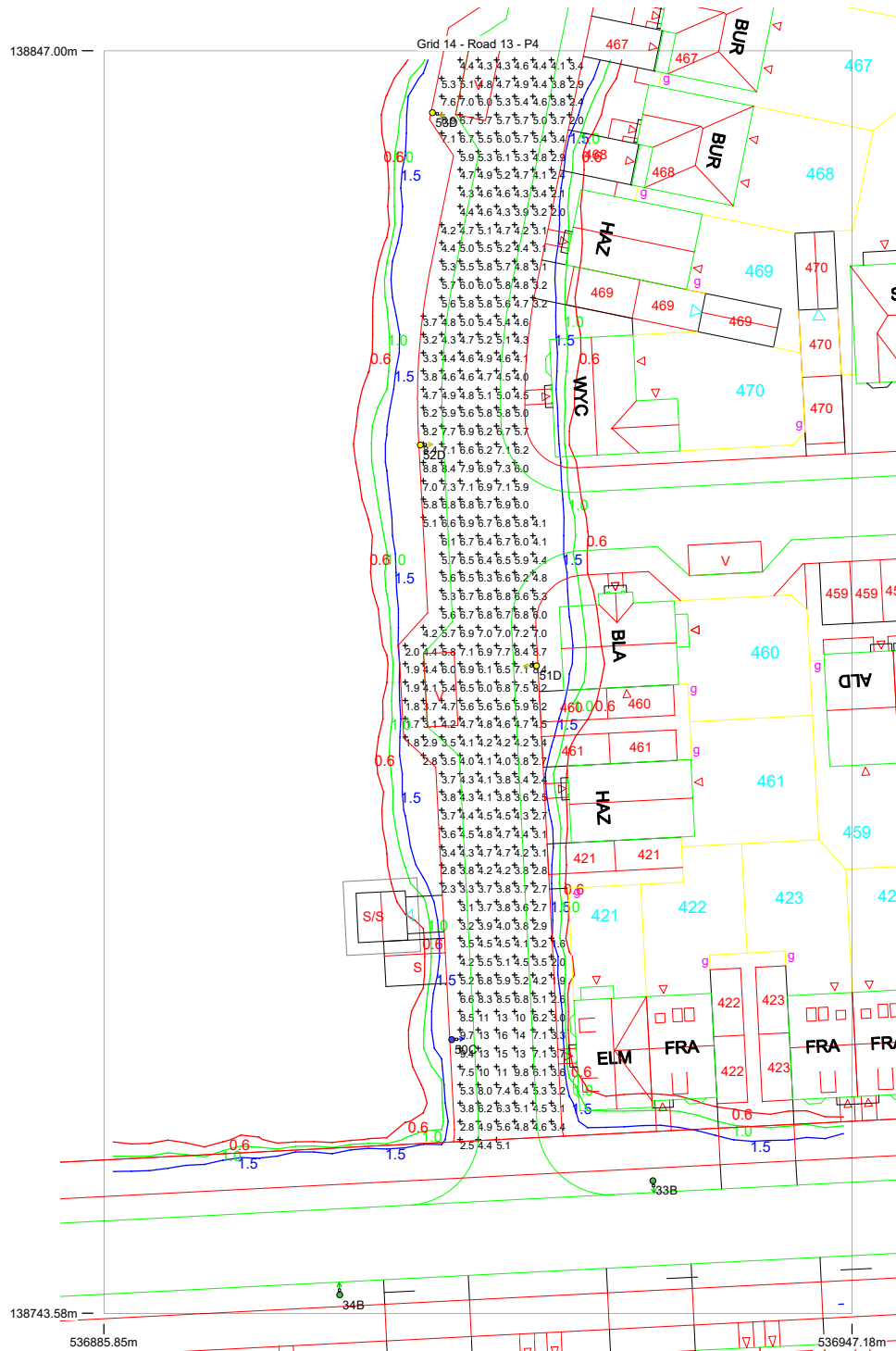


Results

Eav	5.71
Emin	1.70
Emax	18.68
Emin/Emax	0.09
Emin/Eav	0.30

Horizontal Illuminance (lux)

Grid 14 - Road 13 - P4

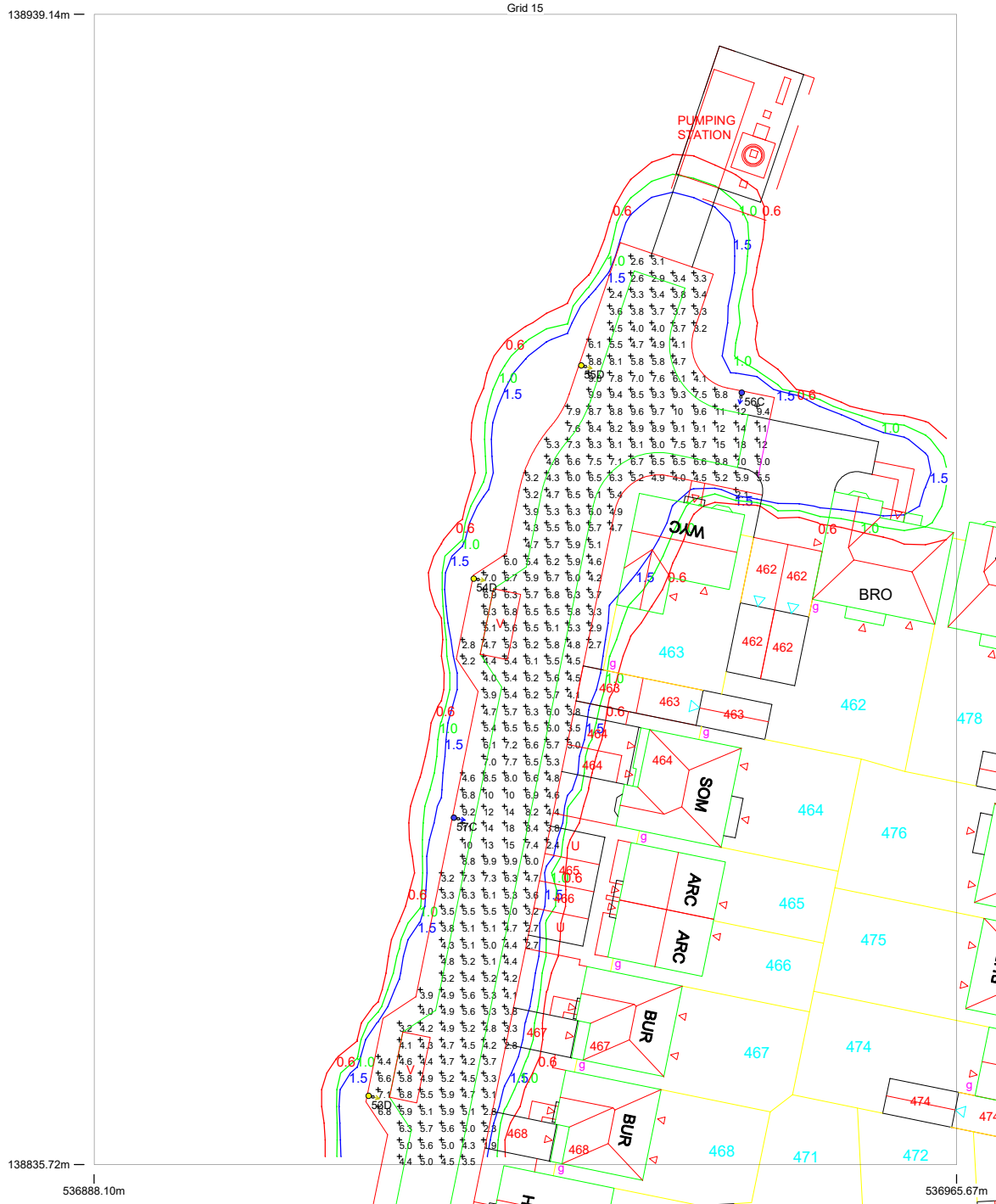


Results

Eav	5.26
Emin	1.56
Emax	16.30
Emin/Emax	0.10
Emin/Eav	0.30

Horizontal Illuminance (lux)

Grid 15



Results

Eav	5.99
Emin	1.94
Emax	18.09
Emin/Emax	0.11
Emin/Eav	0.32