

DATE: 10 July 2018
DESIGNER: SSE
PROJECT No: 225243
PROJECT NAME: SSE225243-AC-002-B



Main distributor road lit to lighting class P4.

Rest lit to P6.

EIA concludes that there are bats present around the site and therefore warm white LED's have been utilised.

Sinah Lane, Hayling Island, Hampshire

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	470863.90	99797.37	71.27	52.12	1.48	1.49
2	Grid 2	470752.23	99827.74	112.63	35.88	1.48	1.49
3	Grid 3	470693.22	99827.47	62.98	23.72	1.50	1.48
4	Grid 4	470669.13	99807.61	25.59	61.38	1.42	1.50
5	Grid 5	470721.31	99848.21	34.98	56.34	1.46	1.48
6	Grid 6	470724.43	99904.25	67.51	27.96	1.47	1.47
7	Grid 7	470705.68	99885.95	27.01	23.69	1.42	1.48
8	Grid 8	470802.83	99961.46	138.19	22.15	1.49	1.48
9	Grid 9	470853.53	99947.31	27.46	40.22	1.45	1.49
10	Grid 10	470874.03	99980.95	46.42	20.53	1.50	1.47
11	Grid 11	470922.72	100074.51	45.61	32.03	1.47	1.46
12	Grid 12	470948.40	100039.67	20.39	47.36	1.46	1.48
13	Grid 13	470814.21	99831.19	32.79	47.14	0.99	1.00
14	Grid 14	470817.50	99884.83	32.79	62.09	0.99	1.32
15	Grid 15	470876.30	99989.14	36.99	95.40	1.00	1.00
16	Grid 16	470947.24	100018.90	36.99	30.44	1.00	0.98
17	Grid 17	470885.99	99908.72	31.69	34.34	1.27	1.37

Luminaires

Luminaire A Data

Supplier	
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.20
File Name	Luma Gen2 Micro_BGP702_DW50_1200_6 LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	7

Luminaire B Data

Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.00
File Name	Luma Gen2 Micro_BGP702_DM10_1000_6 LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	10

Luminaire C Data

Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	0.80
File Name	Luma Gen2 Micro_BGP702_DM10_800_6L ED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	5

Luminaire D Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.00
File Name	Luma Gen2 Micro_BGP702_DM10 BL1_10 00_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	512.4, 86.8, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Luminaires

Luminaire E Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	0.80
File Name	Luma Gen2 Micro_BGP702_DM10 BL1_800_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	512.4, 86.8, 0.0
Lamp S/P Ratio	1.61
No. in Project	3

Luminaire F Data

Supplier	
Type	BGP702 DW50 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.20
File Name	Luma Gen2 Micro_BGP702_DW50 BL1_1200_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	581.9, 40.5, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire G Data

Supplier	
Type	BGP615 DN10 BL1
Lamp(s)	LED-HB 5.1S
Lamp Flux (klm)	0.80
File Name	Luma Micro_BGP615_DN10 BL1_800_6LED_5.1S_CLO_L90_NW.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	563.1, 104.4, 0.0
Lamp S/P Ratio	1.61
No. in Project	6

Luminaire N Data

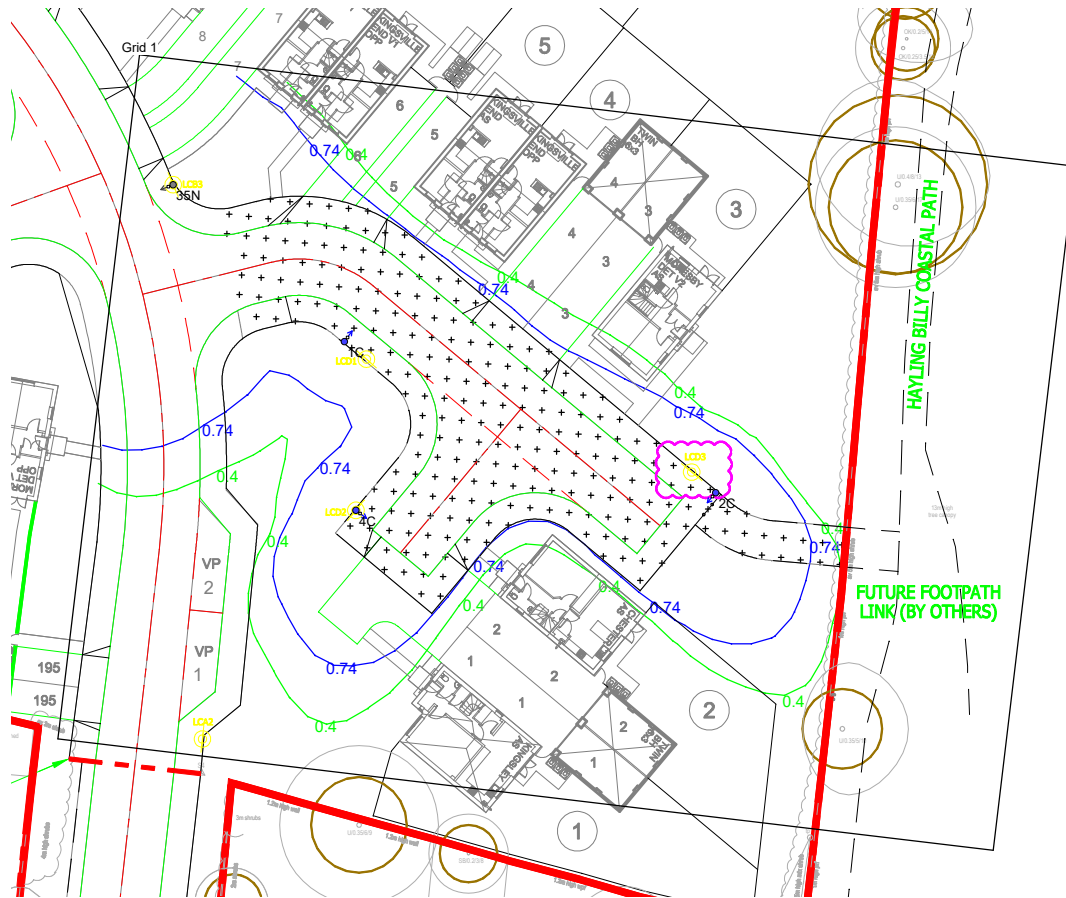
Supplier	
Type	BGP702 DW10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.20
File Name	Luma Gen2 Micro_BGP702_DW10_3200_20LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	438.8, 62.1, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	470885.57	99827.42	6.00	54.00	5.00	0.00	0.40			
2	C	470913.67	99816.00	6.00	230.00	5.00	0.00	0.40			
3	B	470722.92	99835.98	6.00	90.00	5.00	0.00	0.40			
4	C	470886.45	99814.65	6.00	323.00	5.00	0.00	0.40			
5	A	470852.82	99842.27	6.00	285.00	5.00	0.00	0.40			
6	A	470830.48	99845.27	6.00	254.00	5.00	0.00	0.40			
7	A	470790.28	99844.92	6.00	271.00	5.00	0.00	0.40			
8	B	470756.08	99836.24	6.00	90.00	5.00	0.00	0.40			
9	D	470695.27	99835.91	6.00	91.00	5.00	0.00	0.40			
10	A	470680.02	99844.81	6.00	1.00	5.00	0.00	0.40			
11	A	470744.84	99860.31	6.00	181.00	5.00	0.00	0.40			
12	A	470742.16	99895.82	6.00	183.00	5.00	0.00	0.40			
13	A	470750.63	99922.20	6.00	269.00	5.00	0.00	0.40			
14	B	470772.41	99920.13	6.00	285.00	5.00	0.00	0.40			
16	F	470722.88	99893.35	6.00	89.00	5.00	0.00	0.40			
17	B	470841.93	99940.38	6.00	49.00	5.00	0.00	0.40			
18	B	470869.08	99917.53	6.00	50.00	5.00	0.00	0.40			
19	B	470896.61	99894.72	6.00	49.00	5.00	0.00	0.40			
20	B	470823.93	99966.72	6.00	230.00	5.00	0.00	0.40			
21	B	470870.13	99941.08	6.00	137.00	5.00	0.00	0.40			
22	B	470889.69	99964.55	6.00	140.00	5.00	0.00	0.40			
23	B	470896.25	99978.47	6.00	233.00	5.00	0.00	0.40			
24	C	470945.30	100081.05	6.00	231.00	5.00	0.00	0.40			
25	C	470966.58	100061.94	6.00	234.00	5.00	0.00	0.40			
26	E	470974.49	100047.53	6.00	139.00	5.00	0.00	0.40			
27	G	470839.85	99890.18	6.00	320.00	5.00	0.00	0.40			
28	G	470859.08	99910.35	6.00	141.00	5.00	0.00	0.40			
29	G	470901.24	99996.15	6.00	321.00	5.00	0.00	0.40			
30	G	470925.91	100017.18	6.00	126.00	5.00	0.00	0.40			
31	G	470953.59	100031.31	6.00	120.00	5.00	0.00	0.40			
32	G	470967.57	100027.48	6.00	219.00	5.00	0.00	0.40			
33	E	470906.30	99904.78	6.00	141.00	5.00	0.00	0.40			
34	E	470825.64	99856.83	6.00	35.00	5.00	0.00	0.40			
35	N	470872.62	99839.29	6.00	201.00	5.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

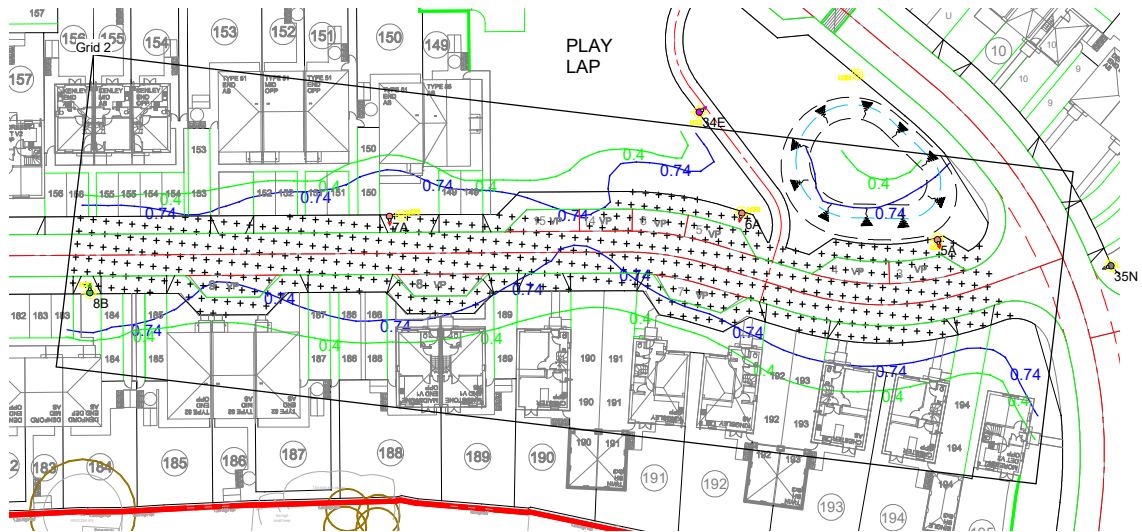


Results

Eav	1.90
Emin	0.33
Emax	4.24
Emin/Emax	0.08
Emin/Eav	0.17

Horizontal Illuminance (lux)

Grid 2

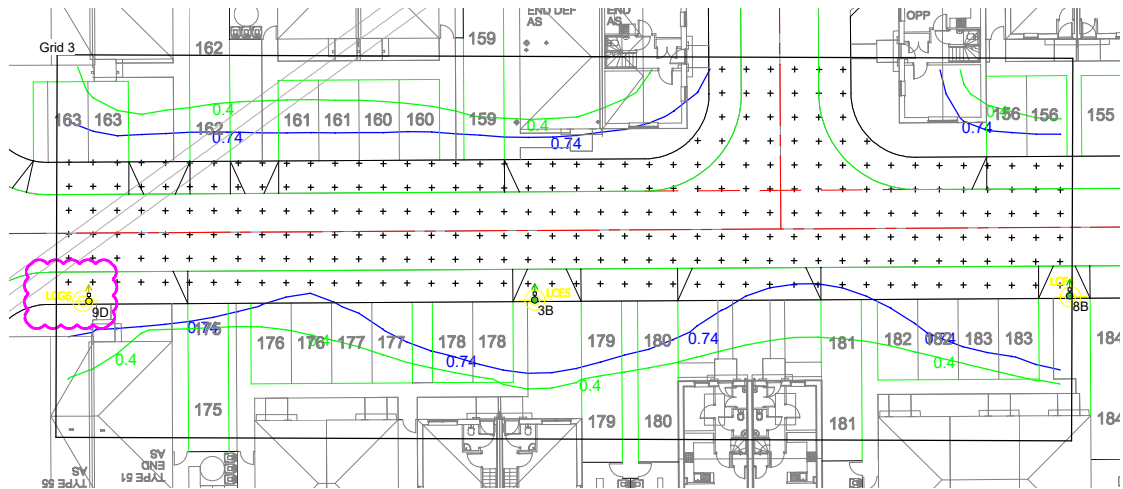


Results

Eav	1.62
Emin	0.50
Emax	5.13
Emin/Emax	0.10
Emin/Eav	0.31

Horizontal Illuminance (lux)

Grid 3

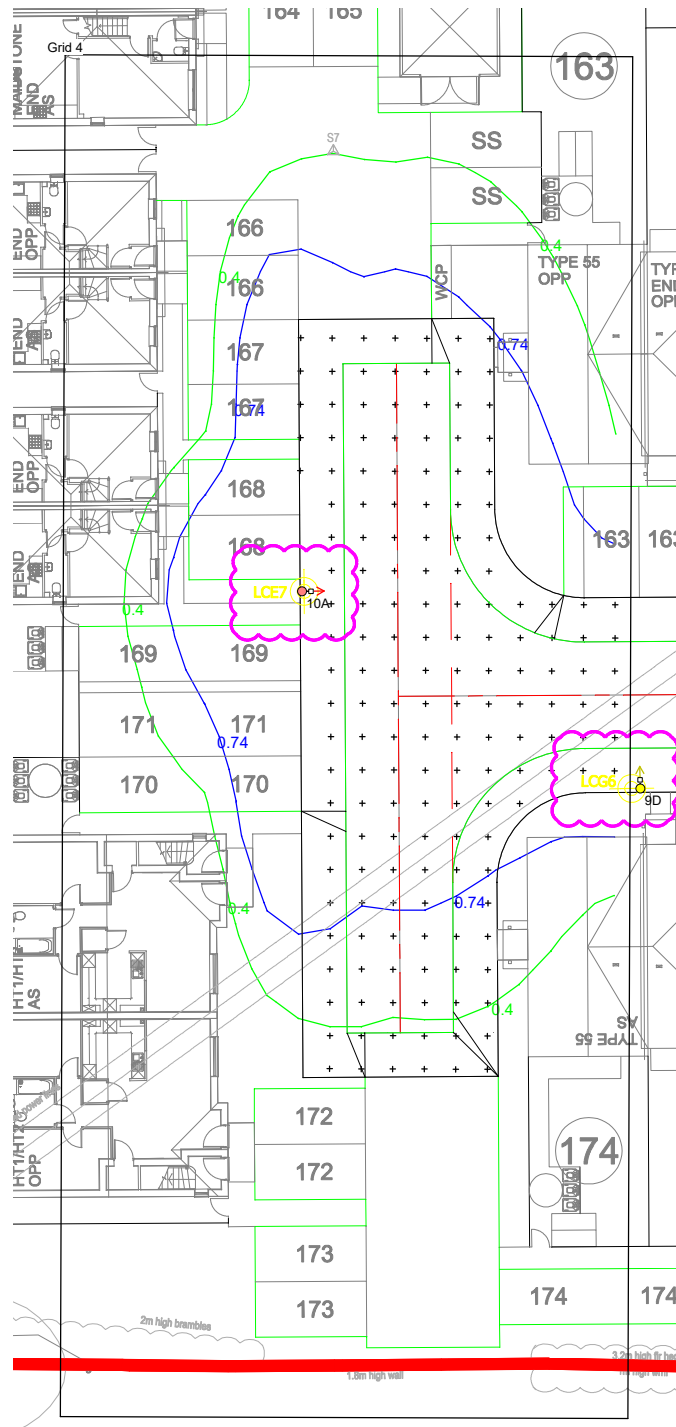


Results

Eav	1.86
Emin	0.74
Emax	5.15
Emin/Emax	0.14
Emin/Eav	0.40

Horizontal Illuminance (lux)

Grid 4

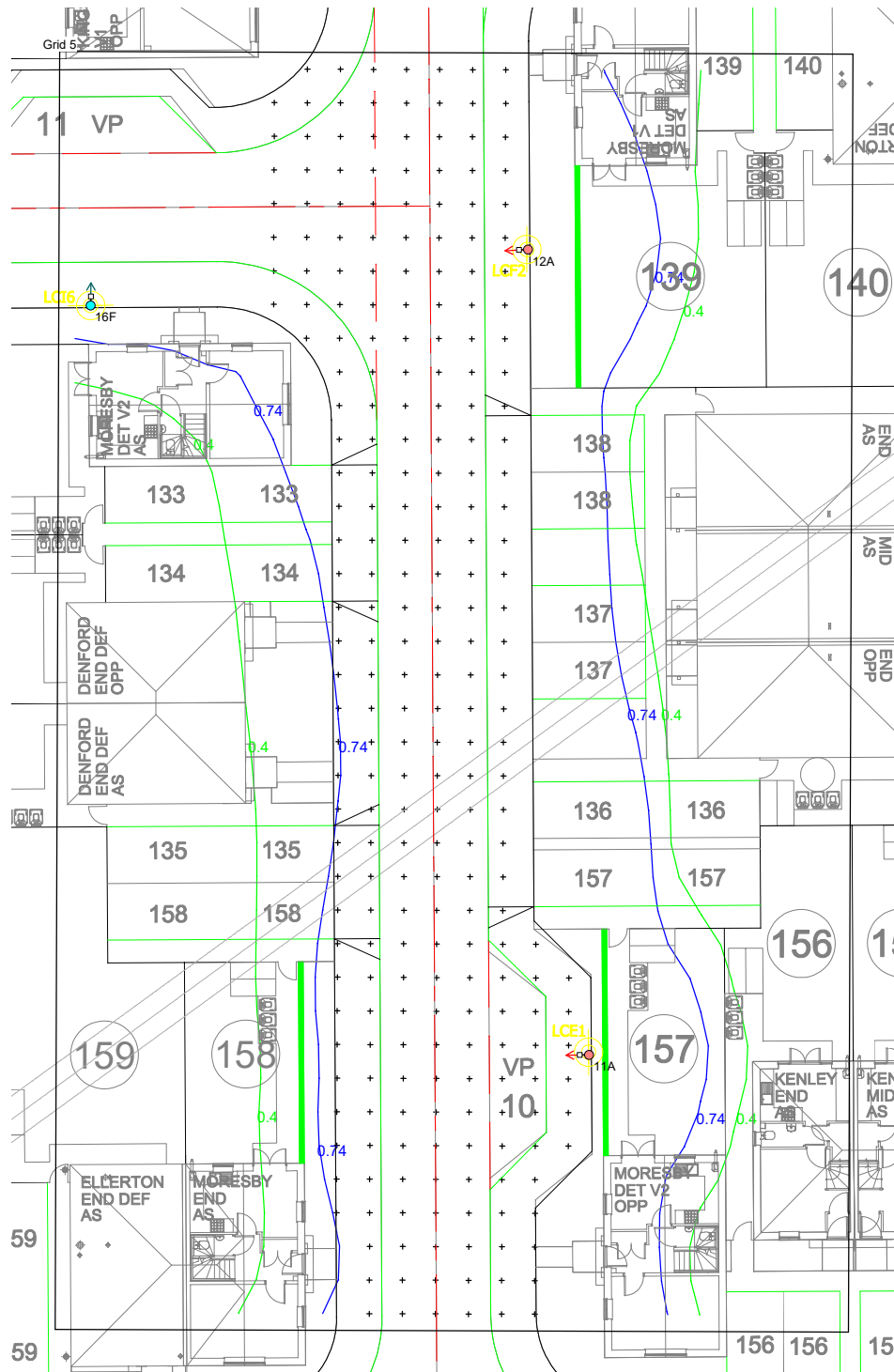


Results

Eav	1.84
Emin	0.26
Emax	4.74
Emin/Emax	0.06
Emin/Eav	0.14

Horizontal Illuminance (lux)

Grid 5

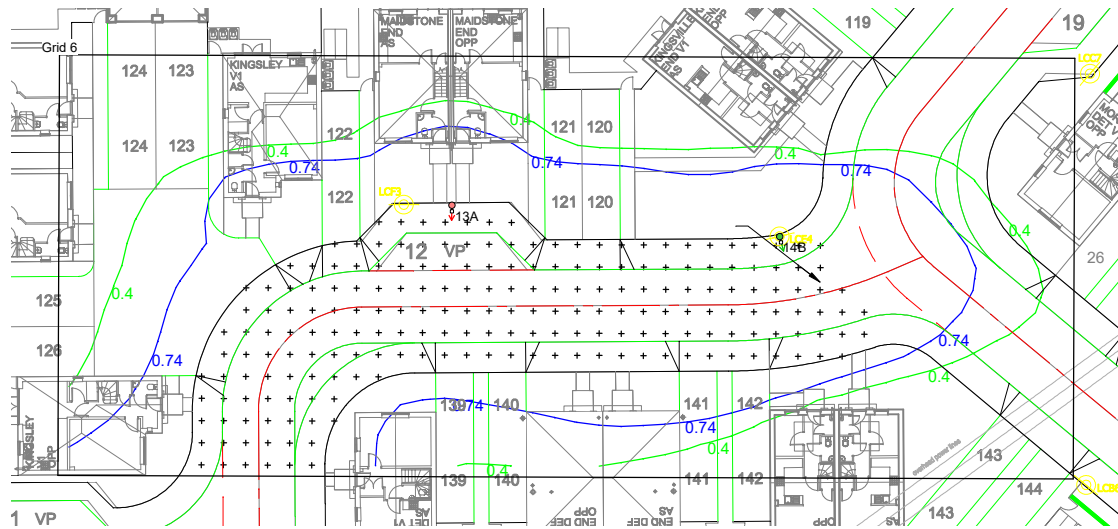


Results

Eav	1.70
Emin	0.73
Emax	3.14
Emin/Emax	0.23
Emin/Eav	0.43

Horizontal Illuminance (lux)

Grid 6

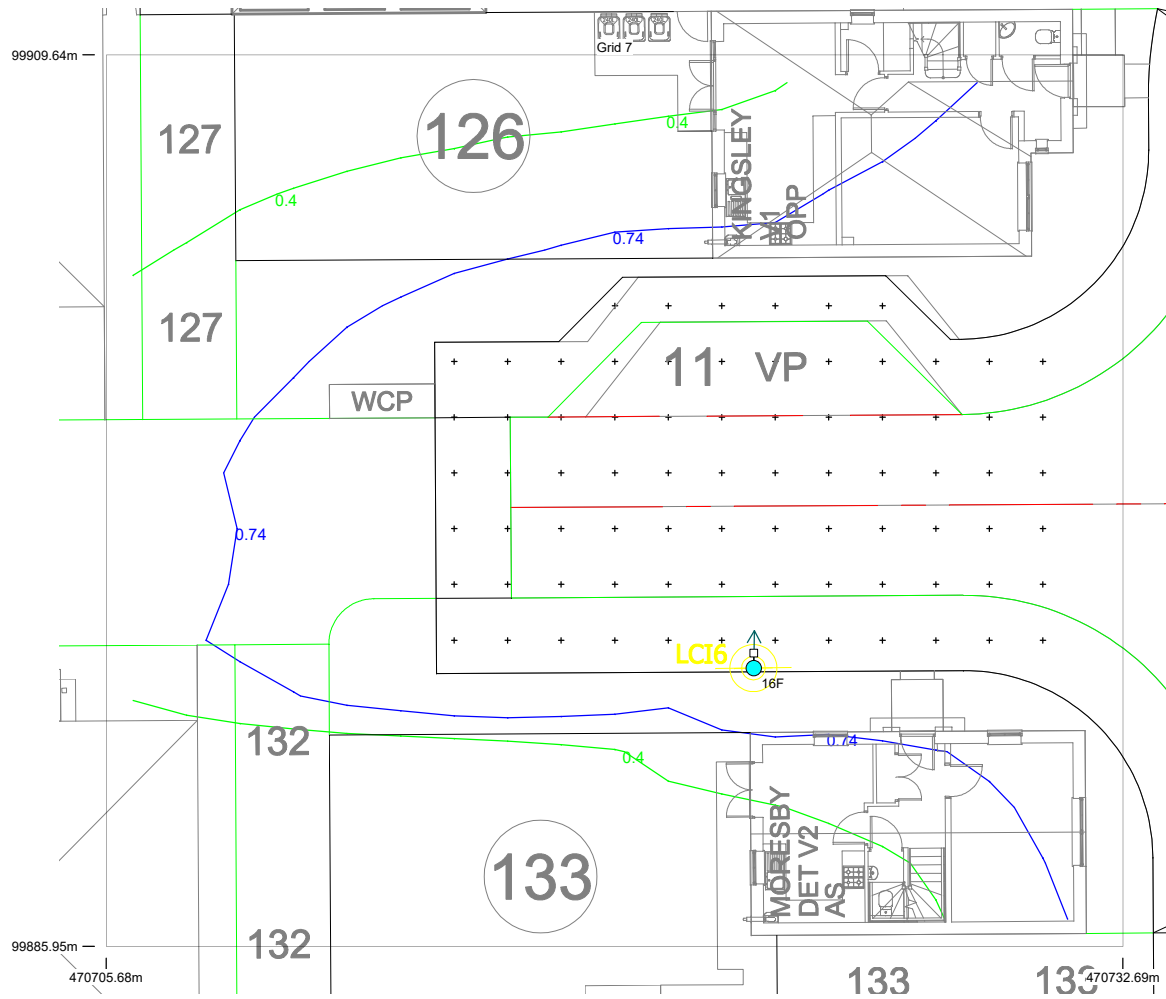


Results

Eav	2.01
Emin	1.05
Emax	5.38
Emin/Emax	0.19
Emin/Eav	0.52

Horizontal Illuminance (lux)

Grid 7

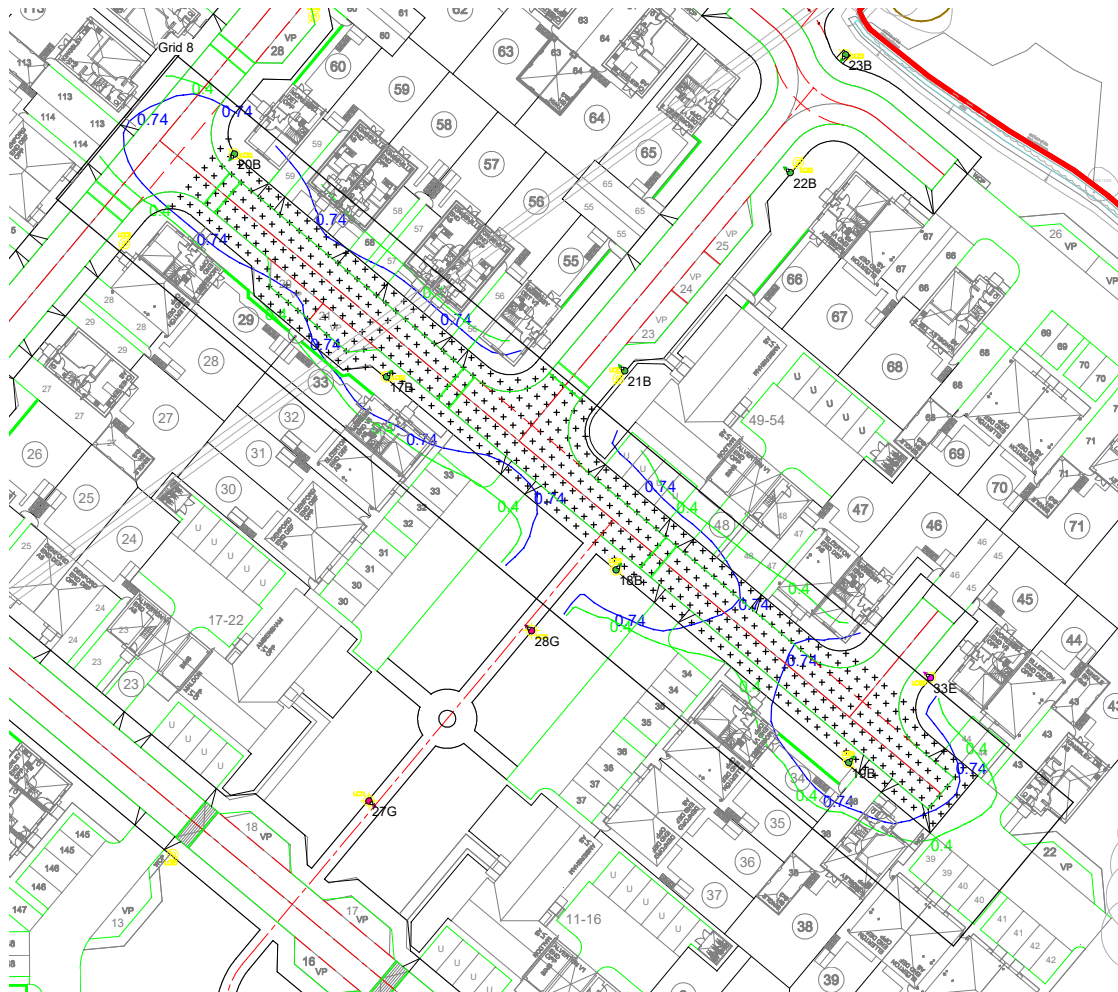


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 8

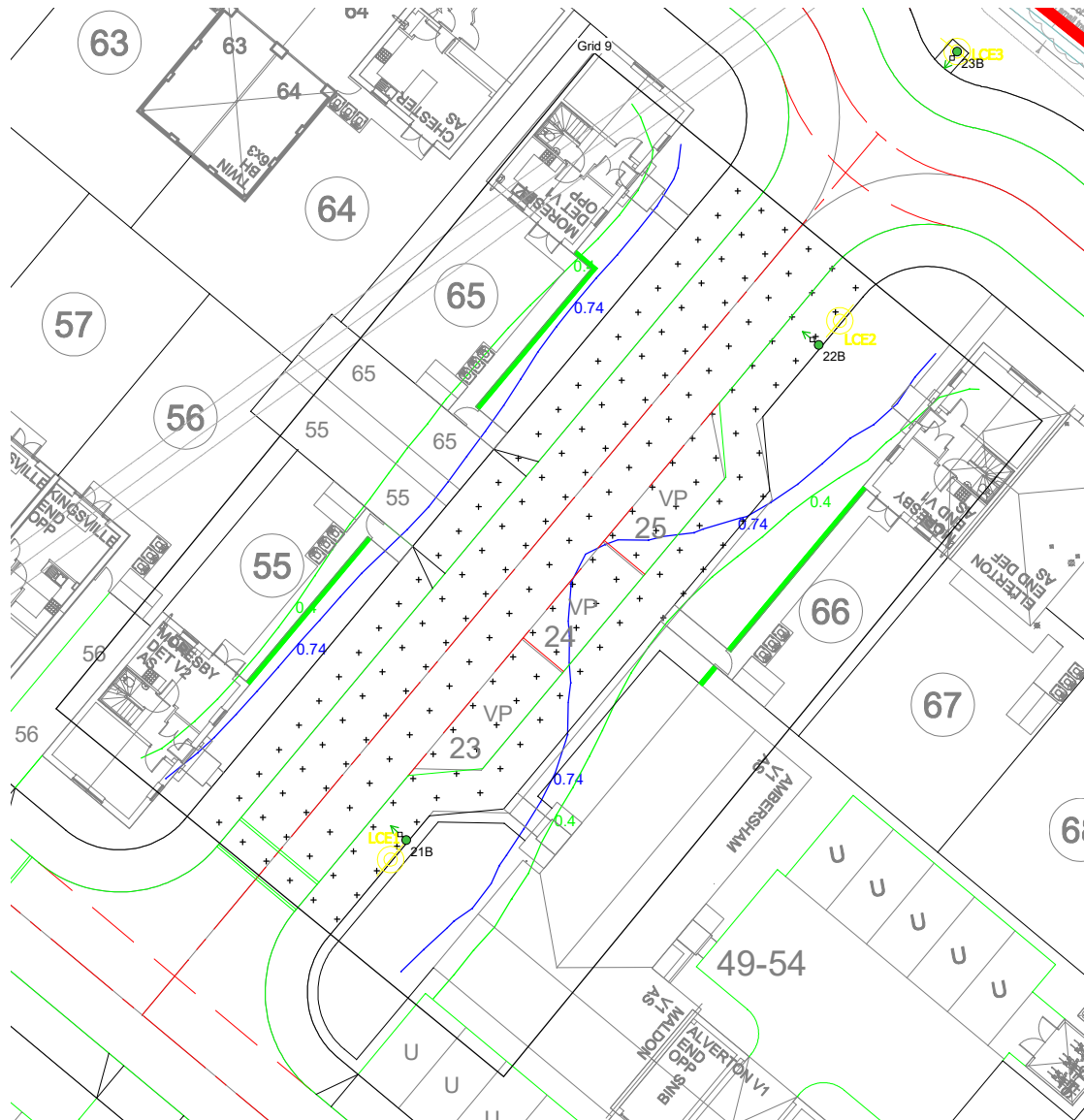


Results

Eav	1.83
Emin	0.45
Emax	5.57
Emin/Emax	0.08
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 9

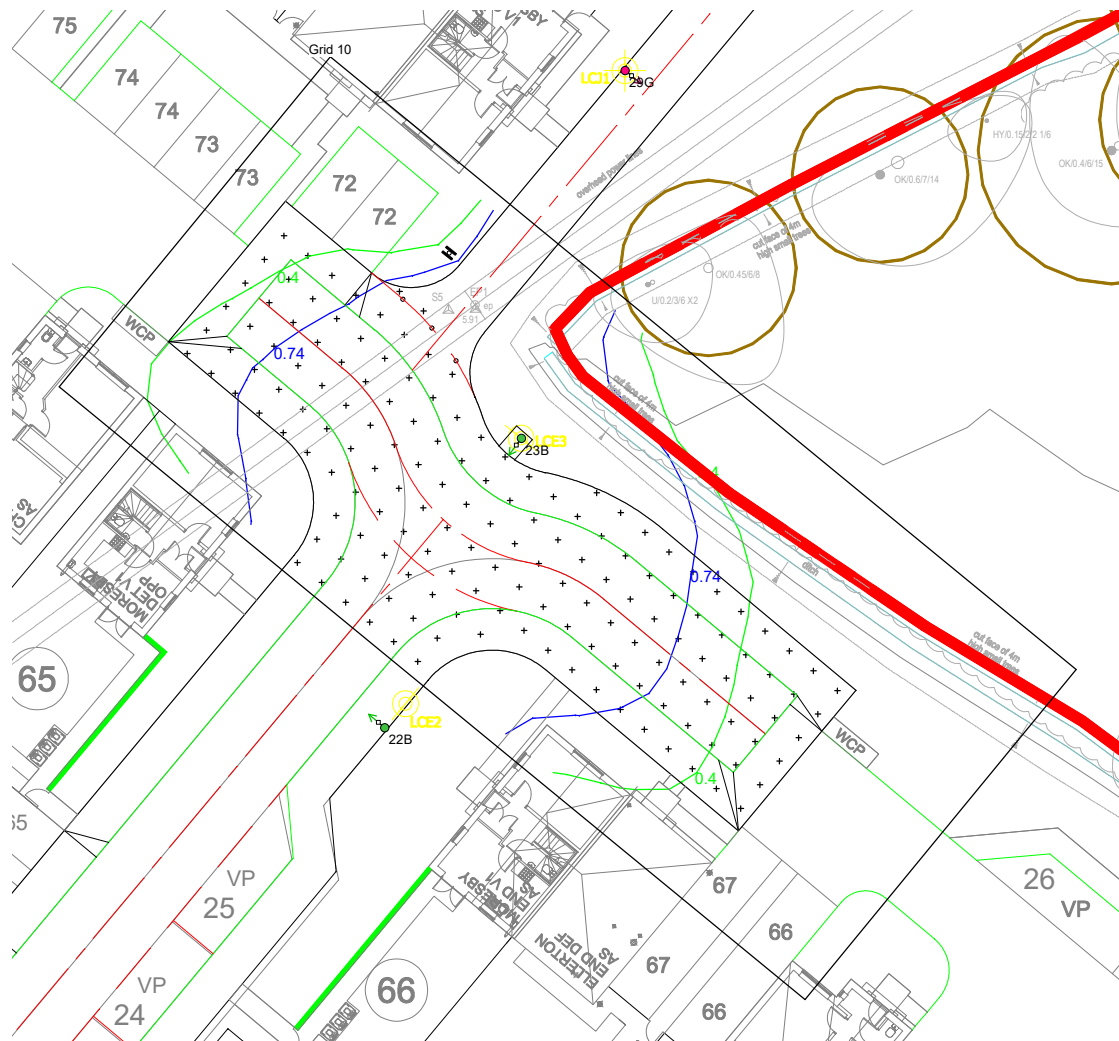


Results

Eav	2.08
Emin	0.44
Emax	5.30
Emin/Emax	0.08
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 10

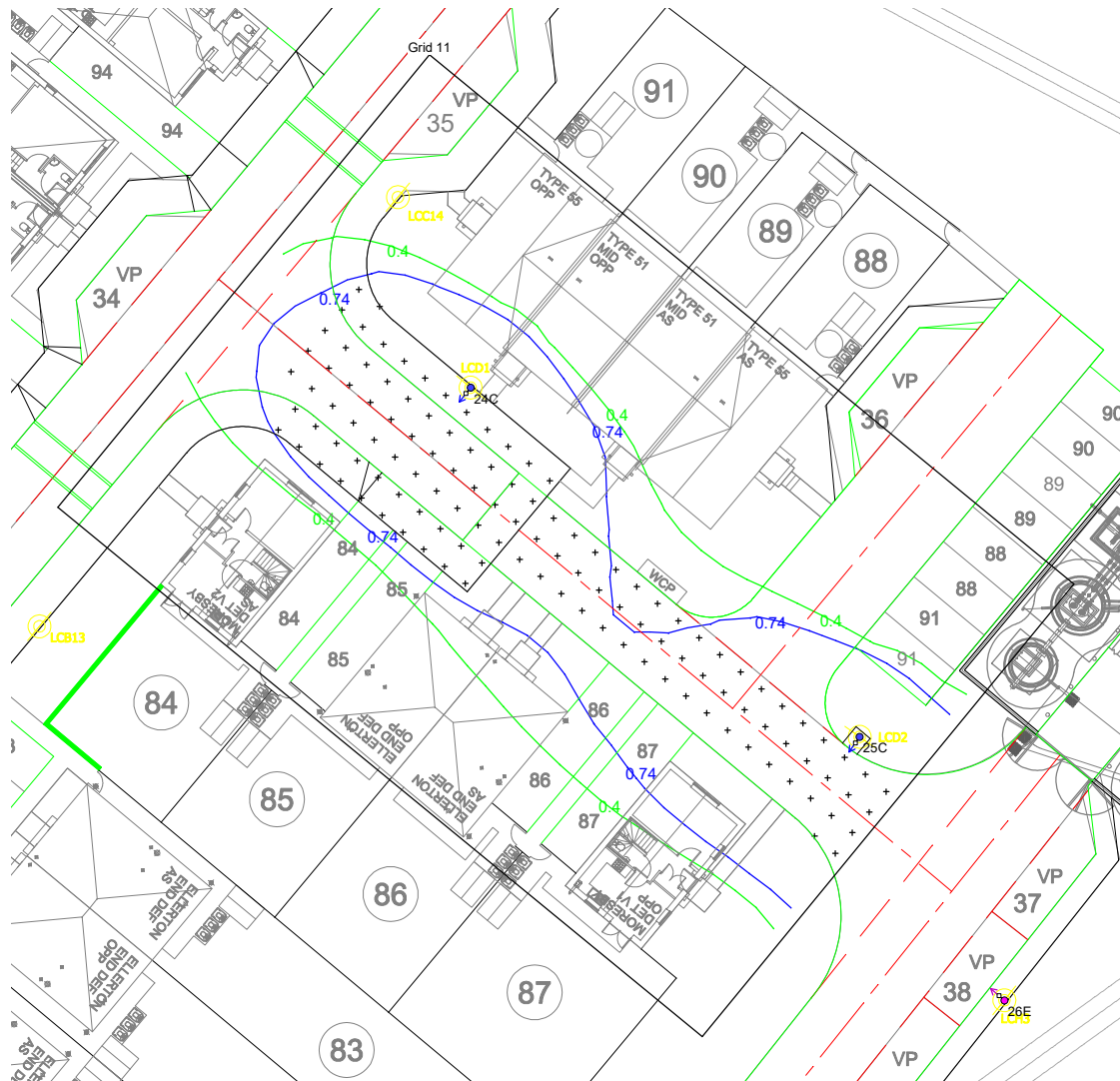


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 11

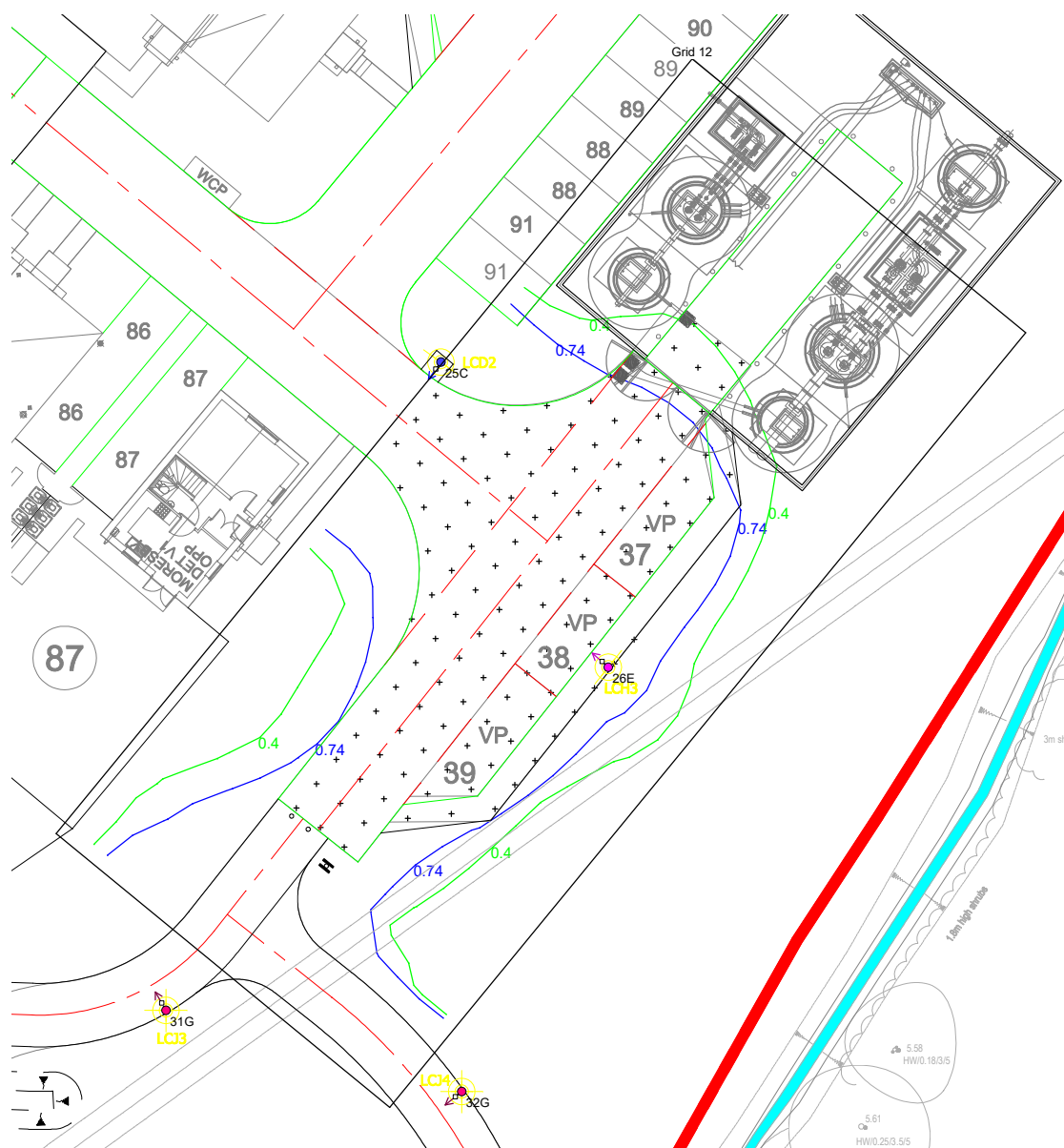


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 12

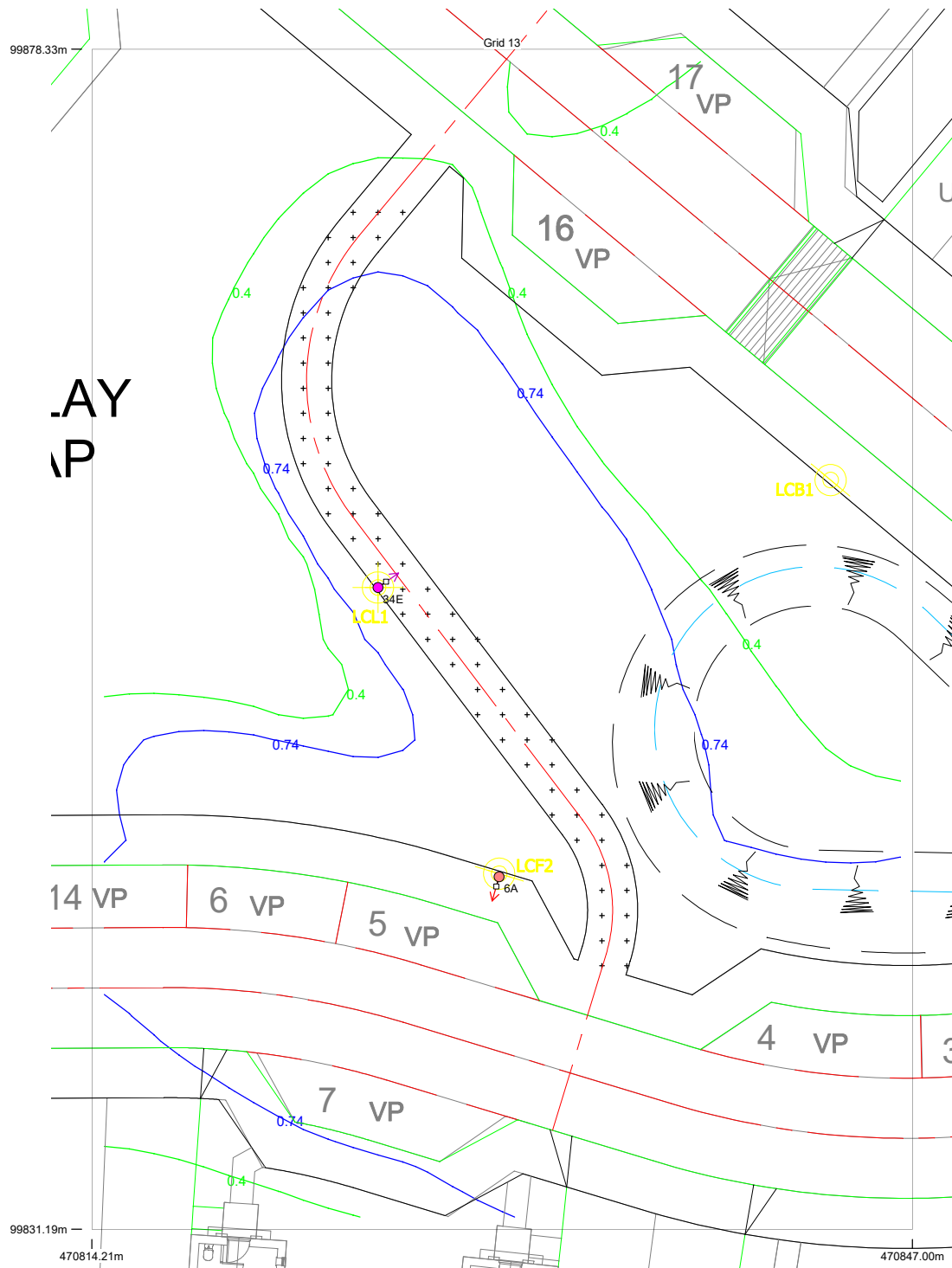


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 13

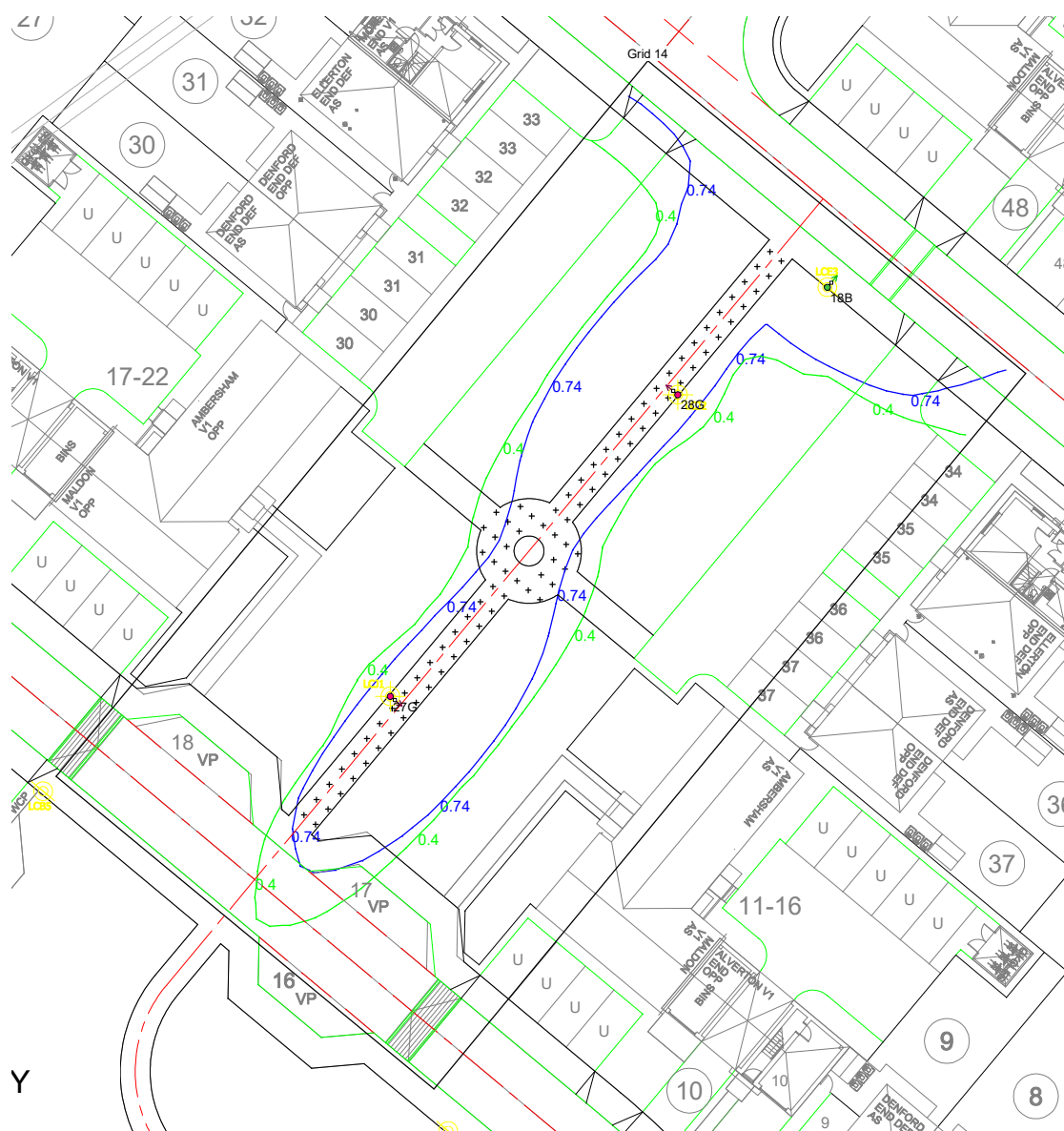


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 14

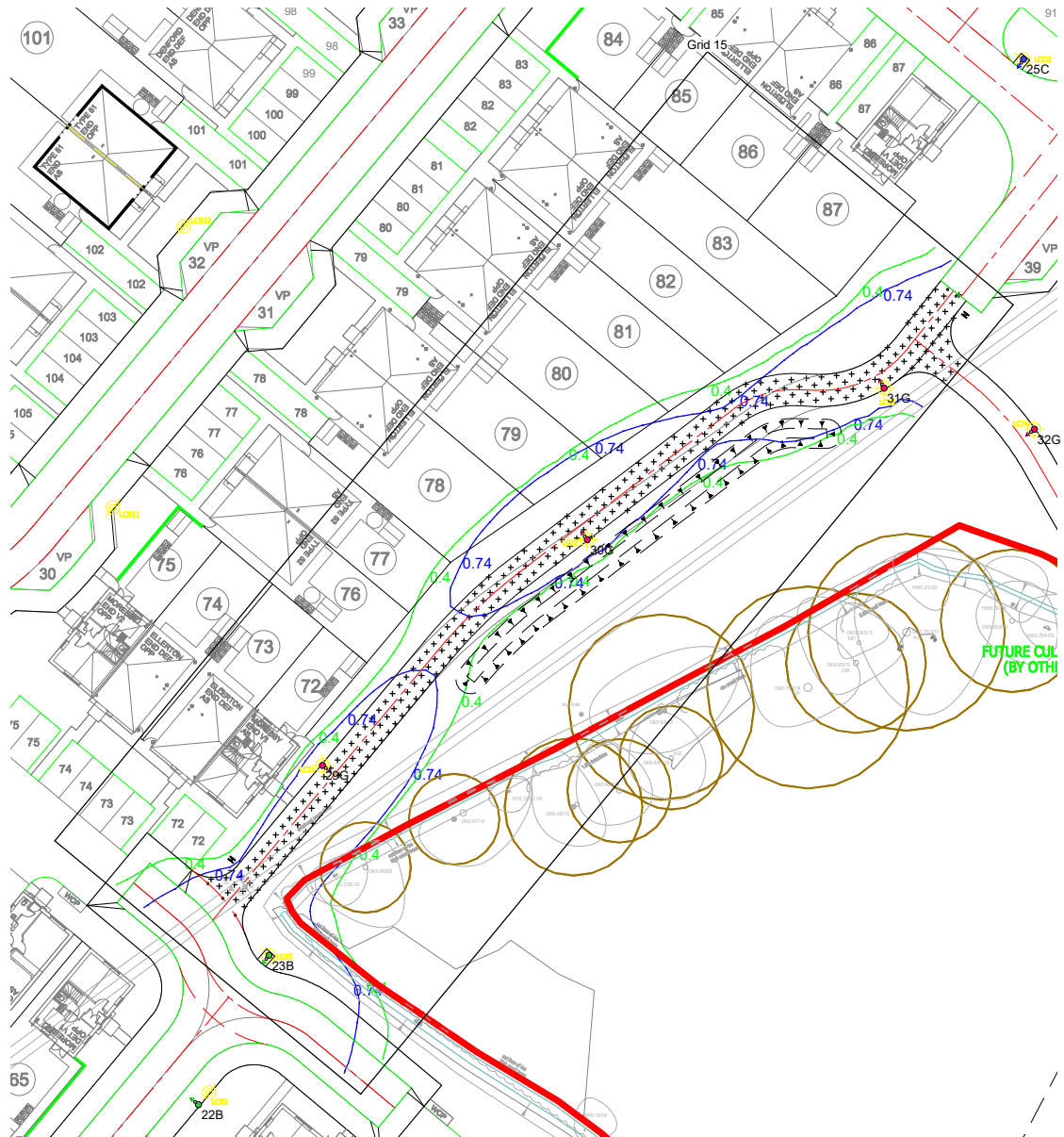


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 15

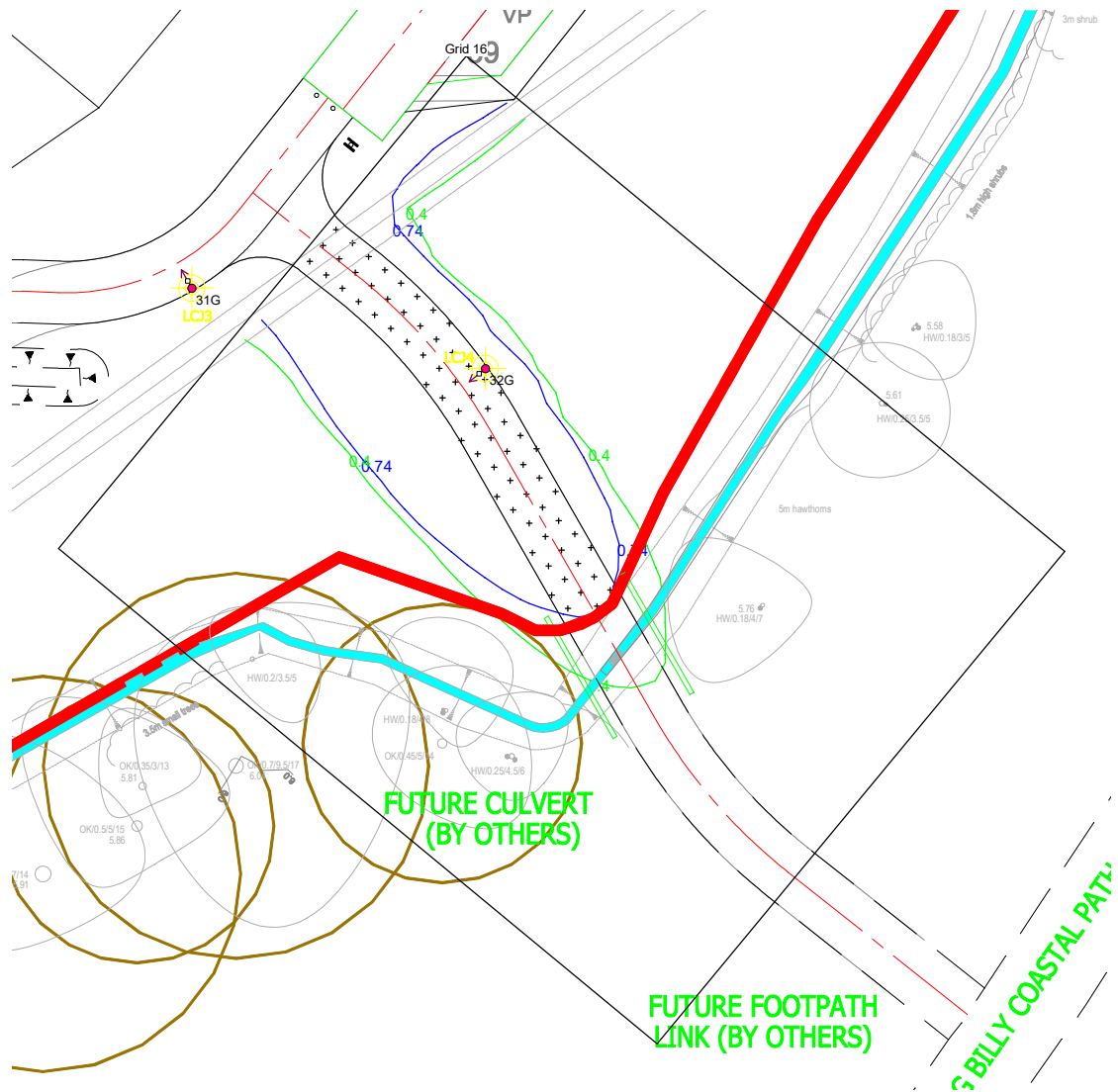


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 16

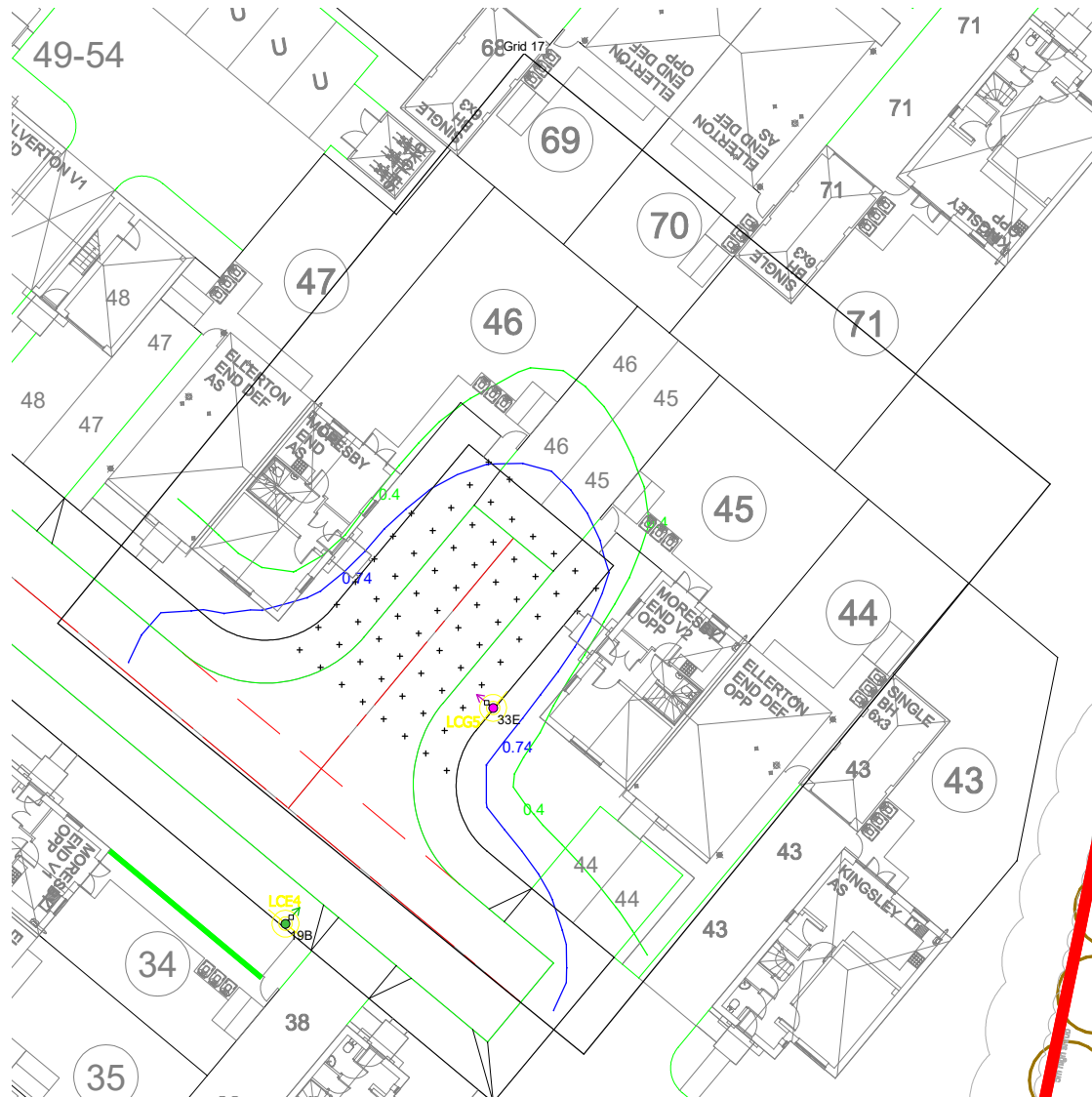


Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65

Horizontal Illuminance (lux)

Grid 17



Results

Eav	1.53
Emin	0.99
Emax	2.23
Emin/Emax	0.44
Emin/Eav	0.65