

DATE: 16 April 2026
DESIGNER: D.Larkin (CMS)
PROJECT No: R2
PROJECT NAME: PLD IDA Bellview Site, Kilkenny



TOBINS

Electric Skyline confirms that this Design complies with relevant Lighting Standards. However, as the Design was prepared on a Desktop basis, Electric Skyline assumes no responsibility or liability for any errors or omissions which may occur due to varying conditions on the Project site. This Design is provided on a provisional basis only, with no guarantees of completeness or accuracy until on-site surveys are completed by associated Contractors and all Safety Rules and Codes of Practice have been taken into consideration.

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-P2 Road	663701.07	613050.30	310.12	123.05	1.50	1.48
2	Grid 2-C2 Roundabout	664011.24	613087.72	52.63	85.59	1.46	1.48
3	Grid 3-P2 Road	664063.92	613134.33	375.47	315.64	1.50	1.50
4	Ped Xing 1	664034.31	613108.21	11.36	6.11	1.26	1.02
5	Ped Xing 3	664063.97	613145.83	14.47	6.11	1.45	1.22
6	Ped Xing 4	664831.56	613427.11	11.36	6.11	1.42	1.22
7	Grid 7	664439.90	613167.57	375.47	315.64	1.50	1.50

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.2 5266 Integrated lenses 32 OSLO N SQUARE GIANT@800mA
Lamp(s)	32 OSLO N SQUARE GIANT@800mA NW 740 230V
LampFlux(klm)/Colour	10.52 NW 4000K/70
File Name	AXIA 3.2 5266 32 OSLO N SQUARE GIANT 800mA NW 740 78W 430082 Integrated le...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	1211.8, 139.9, 0.0
No. in Project	3

Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 3.3 5267 Integrated lenses 64 OSLO N SQUARE GIANT@500mA
Lamp(s)	64 OSLO N SQUARE GIANT@500mA WW 730 230V
LampFlux(klm)/Colour	13.12 WW 3000K/70
File Name	AXIA 3.3 5267 64 OSLO N SQUARE GIANT 500mA WW 730 94W 429224 Integrated I...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	980.0, 156.0, 9.0
No. in Project	30

Luminaire C Data



Supplier	Urbis Schreder
Type	AXIA 3.2 5266 Integrated lenses 32 OSLO N SQUARE GIANT@600mA
Lamp(s)	32 OSLO N SQUARE GIANT@600mA NW 740 230V
LampFlux(klm)/Colour	8.38 NW 4000K/70
File Name	AXIA 3.2 5266 32 OSLO N SQUARE GIANT 600mA NW 740 59W 430082 Integrated le...
Maintenance Factor	0.92
Imax70,80,90(cd/klm)	1211.8, 139.9, 0.0
No. in Project	3

Layout

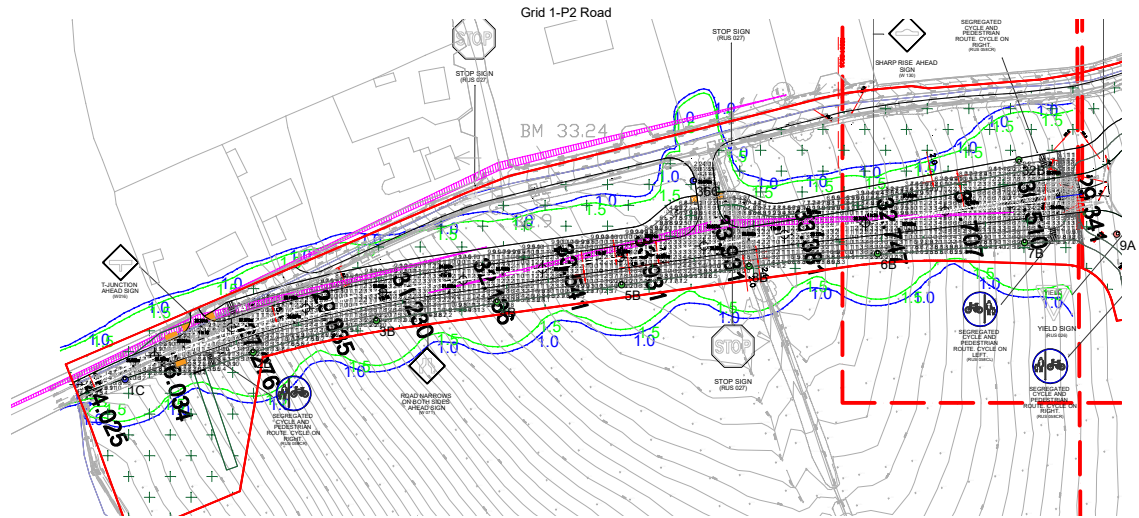
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	663721.61	613077.67	10.00	109.00	0.00	0.00	0.35			
2	B	663760.61	613085.96	10.00	109.00	2.00	0.00	0.35			
3	B	663798.15	613095.64	10.00	103.00	1.00	0.00	0.35			
4	B	663835.01	613101.27	10.00	104.00	1.00	0.00	0.35			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
5	B	663873.00	613106.60	10.00	100.00	1.00	0.00	0.35			
6	B	663951.08	613116.05	10.00	97.00	0.00	0.00	0.35			
7	B	663995.89	613119.48	10.00	92.00	0.00	0.00	0.35			
8	B	663911.85	613112.22	10.00	99.00	0.00	0.00	0.35			
9	A	664024.00	613121.96	10.00	45.00	0.00	0.00	0.35			
10	B	664026.68	613102.93	10.00	9.00	0.00	0.00	0.35			
11	A	664030.31	613153.05	10.00	282.00	0.00	0.00	0.35			
12	A	664050.30	613131.19	10.00	156.00	0.00	0.00	0.35			
31	B	664832.29	613421.03	10.00	83.00	0.00	0.00	0.35			
14	B	664071.28	613142.64	10.00	118.00	0.00	0.00	0.35			
15	B	664058.87	613165.87	10.00	294.00	0.00	0.00	0.35			
16	B	664109.35	613166.93	10.00	126.00	5.00	0.00	0.35			
17	B	664148.35	613189.37	10.00	125.00	0.00	0.00	0.35			
18	B	664187.39	613211.82	10.00	128.00	0.00	0.00	0.35			
19	B	664226.48	613233.75	10.00	124.00	0.00	0.00	0.35			
20	B	664265.59	613256.51	10.00	123.00	0.00	0.00	0.35			
21	B	664304.62	613278.63	10.00	113.00	0.00	0.00	0.35			
22	B	664343.72	613301.11	10.00	110.00	0.00	0.00	0.35			
23	C	664428.30	613366.84	10.00	11.00	5.00	0.00	0.35			
24	B	664383.54	613322.22	10.00	110.00	0.00	0.00	0.35			
25	B	664427.26	613335.70	10.00	105.00	0.00	0.00	0.35			
26	B	664472.15	613346.47	10.00	104.00	0.00	0.00	0.35			
27	B	664517.30	613358.00	10.00	105.00	0.00	0.00	0.35			
28	B	664561.72	613369.04	10.00	104.00	0.00	0.00	0.35			
29	B	664605.67	613380.09	10.00	107.00	0.00	0.00	0.35			
30	B	664650.22	613391.57	10.00	110.00	0.00	0.00	0.35			
32	B	664830.88	613444.01	10.00	279.00	0.00	0.00	0.35			
32	B	663994.13	613144.69	10.00	275.00	0.00	0.00	0.35			
33	B	664694.32	613402.23	10.00	110.00	0.00	0.00	0.35			
34	B	664738.55	613413.39	10.00	110.00	0.00	0.00	0.35			
35	B	664782.78	613424.34	10.00	110.00	0.00	0.00	0.35			
36	C	663894.85	613138.29	6.00	16.00	5.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1-P2 Road

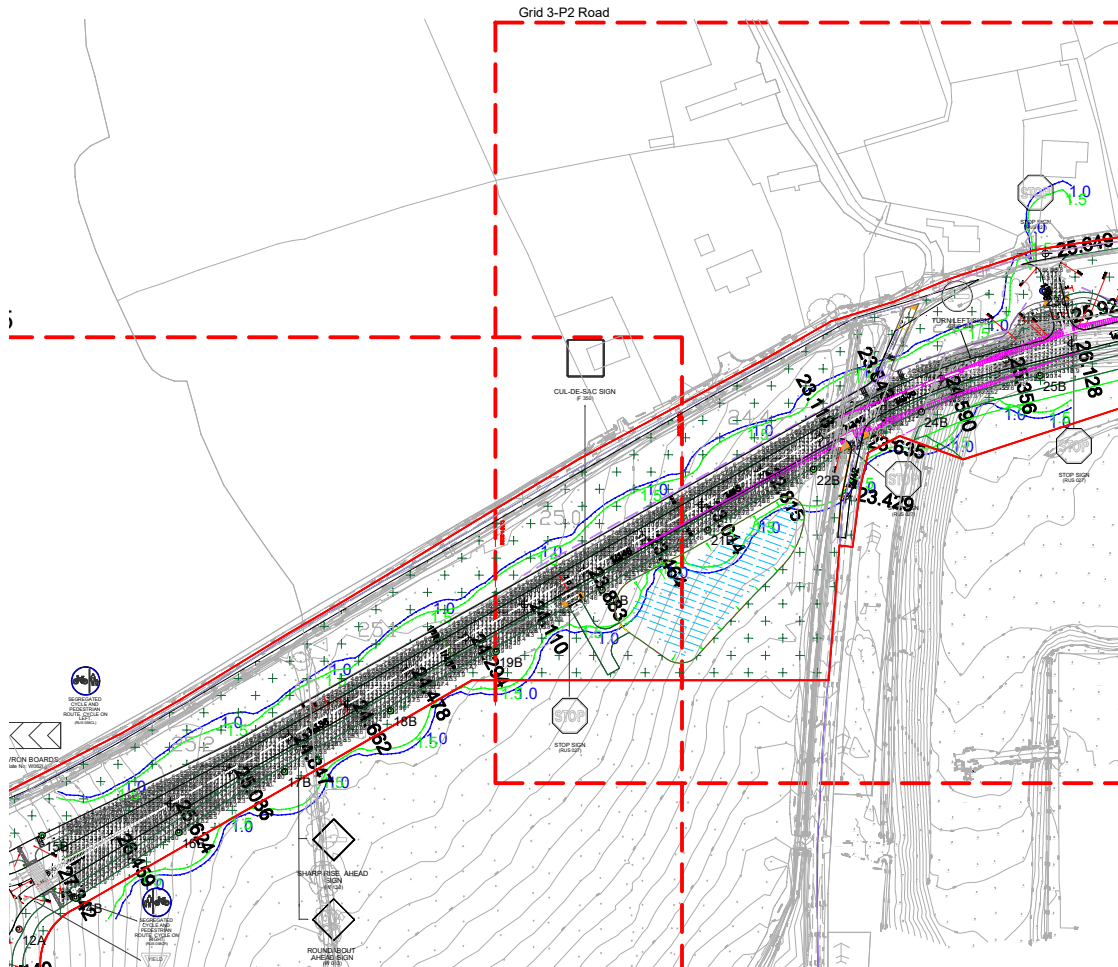


Results

Eav	12.61
Emin	2.47
E _{max}	61.89
E _{min} /E _{max}	0.04
E _{min} /E _{av}	0.20

Horizontal Illuminance (lux)

Grid 3-P2 Road

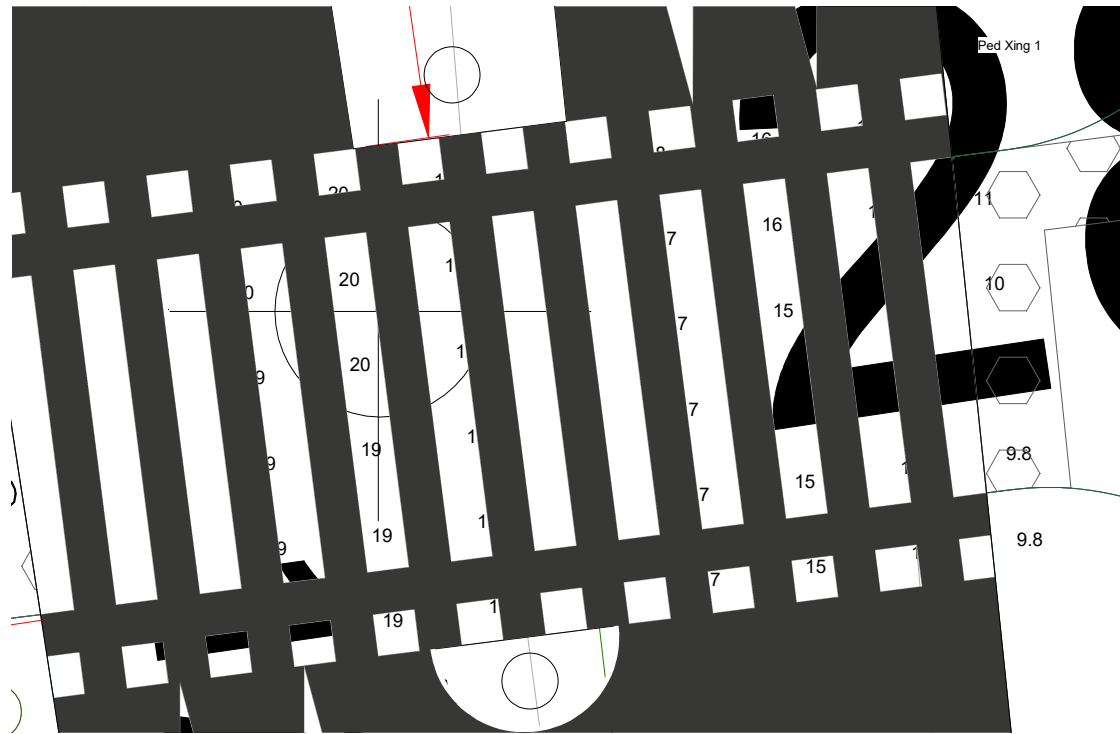


Results

Eav	10.26
Emin	2.13
Emax	22.94
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

Ped Xing 1

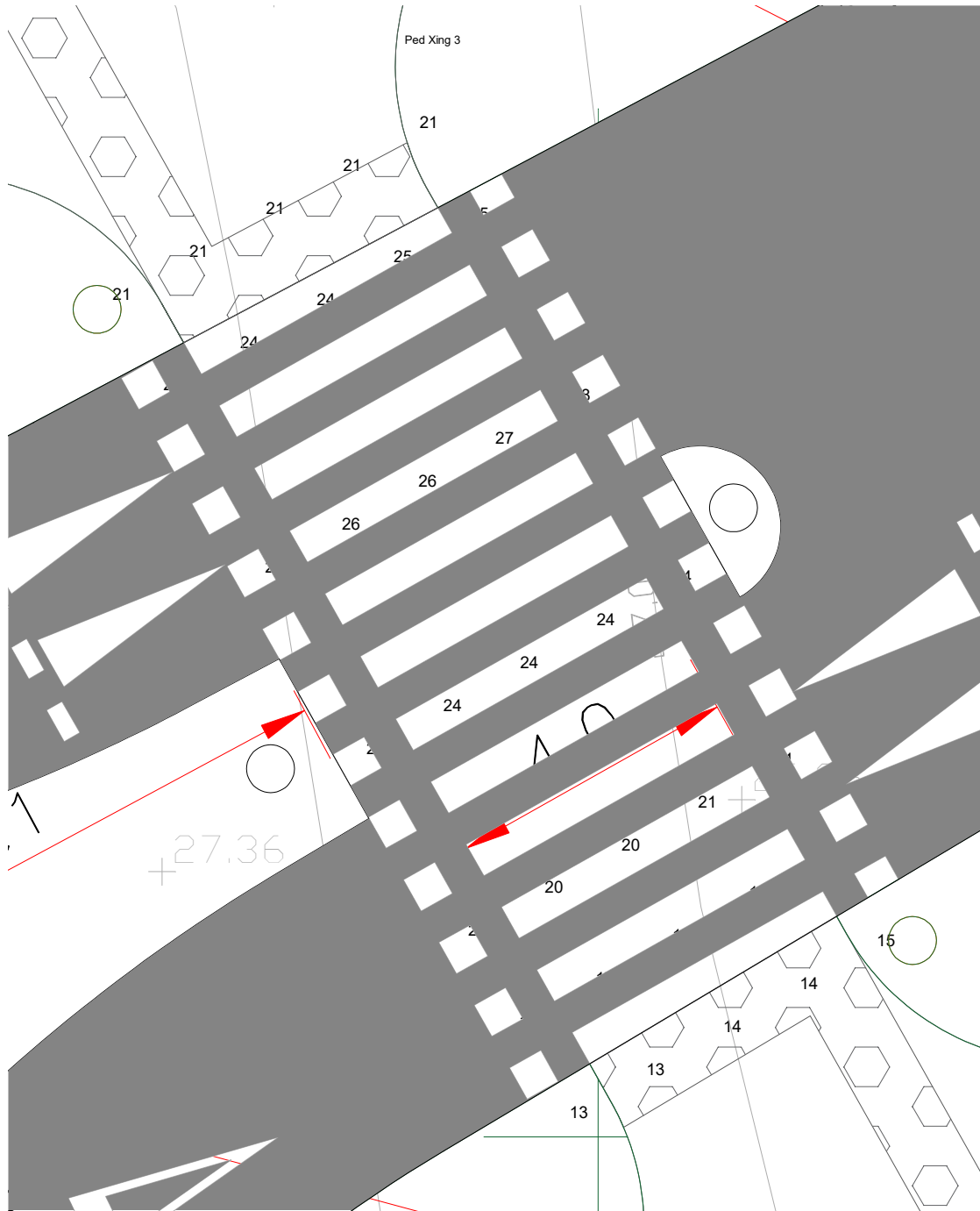


Results

Eav	16.64
Emin	9.75
Emax	20.11
Emin/Emax	0.48
Emin/Eav	0.59

Horizontal Illuminance (lux)

Ped Xing 3

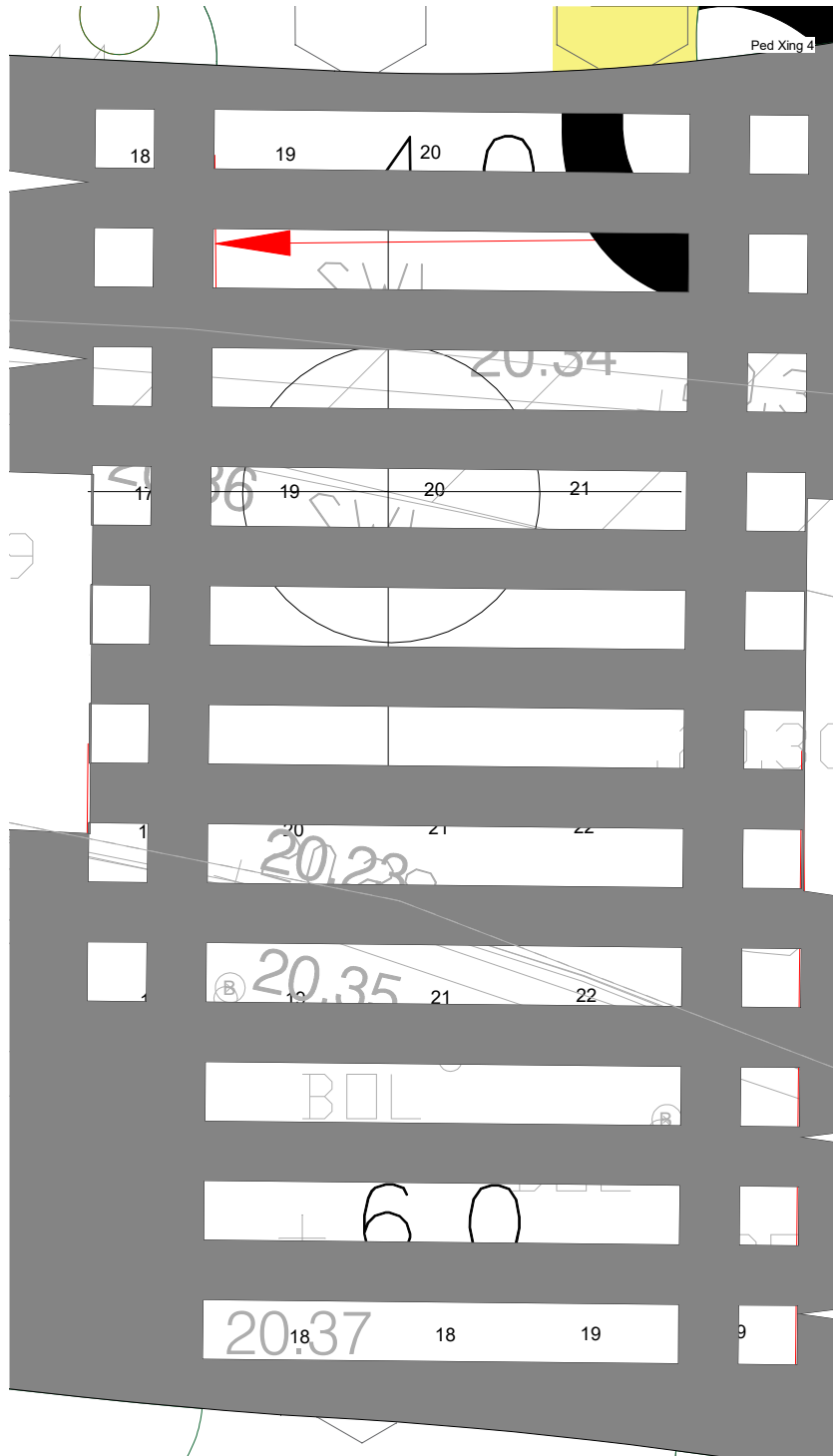


Results

Eav	22.22
Emin	13.35
Emax	27.67
Emin/Emax	0.48
Emin/Eav	0.60

Horizontal Illuminance (lux)

Ped Xing 4



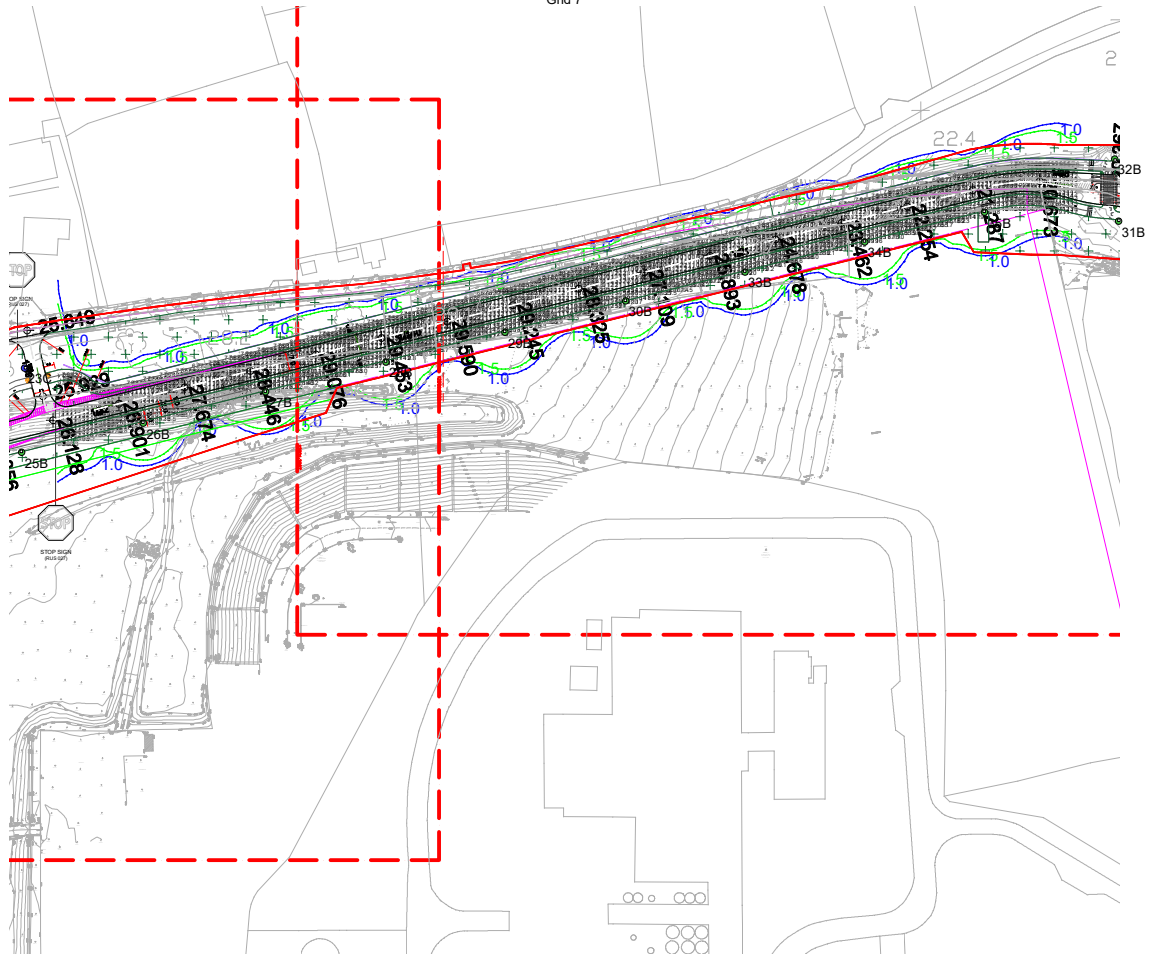
Results

Eav	19.60
Emin	16.54
Emax	23.12
Emin/Emax	0.72
Emin/Eav	0.84

Horizontal Illuminance (lux)

Grid 7

Grid 7



Results

Eav	10.11
Emin	2.28
E _{max}	20.07
E _{min} /E _{max}	0.11
E _{min} /E _{av}	0.23