

P/2017/01110

Received

29/08/2017

DATE: 19 February 2017
DESIGNER: Ken Duckers
PROJECT No: HLS-625
PROJECT NAME: Tatenhill Lane, Branston



Target illumination class P5

Outdoor Lighting Report

PREPARED BY: Highway Lighting Solutions Ltd

Tel: 0151 327 2424

e-mail: support@highwaylightingsolutions.co.uk

website: www.highwaylightingsolutions.co.uk



Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

No.	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	1034.18	1026.78	249.03	260.05	1.50	1.50
2	Grid 2	1069.61	1168.31	97.38	80.29	1.50	1.49
3	Grid 3	1150.20	1057.14	98.51	70.35	1.49	1.50

Luminaires

Luminaire A Data

Supplier	
Type	VMAX 17W
Lamp(s)	L044.V1.F4Q1
LampFlux(klm)/Colour	2.03 4000K/70
File Name	VMX.L044.V1.F4Q1.17W.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	461.8, 69.9, 0.0
No. in Project	17

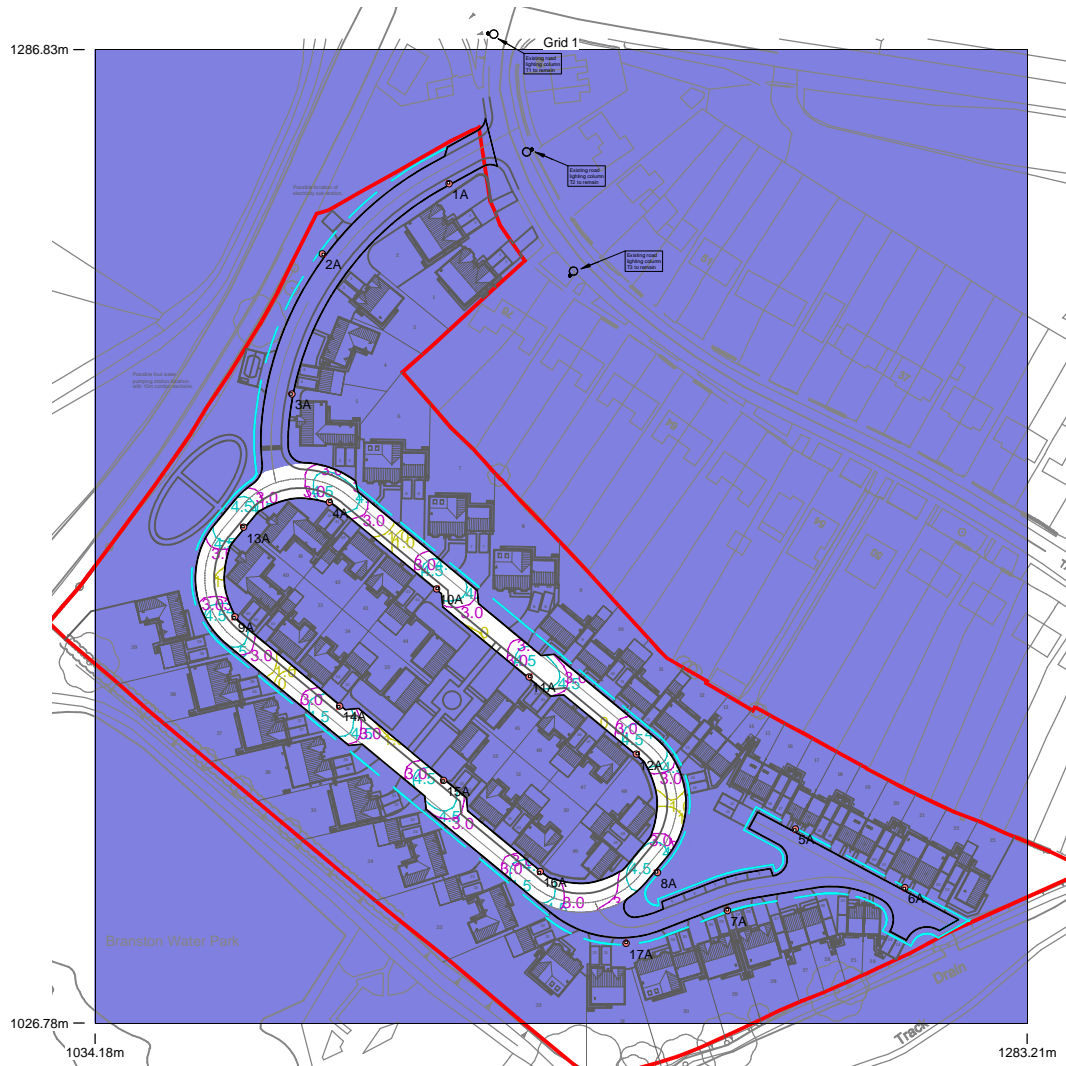
Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	1128.72	1251.01	6.00	119.00	0.00	0.00	0.30			
2	A	1094.86	1232.30	6.00	325.00	0.00	0.00	0.30			
3	A	1086.79	1194.81	6.00	167.00	0.00	0.00	0.30			
4	A	1096.73	1165.98	6.00	54.00	0.00	0.00	0.30			
5	A	1221.22	1078.68	6.00	243.00	0.00	0.00	0.30			
6	A	1250.48	1063.04	6.00	242.00	0.00	0.00	0.30			
7	A	1203.14	1056.87	6.00	106.00	0.00	0.00	0.30			
8	A	1184.36	1067.04	6.00	144.00	0.00	0.00	0.30			
9	A	1071.50	1135.30	6.00	225.00	0.00	0.00	0.30			
10	A	1125.38	1142.75	6.00	51.00	0.00	0.00	0.30			
11	A	1150.09	1119.26	6.00	49.00	0.00	0.00	0.30			
12	A	1178.78	1098.64	6.00	48.00	0.00	0.00	0.30			
13	A	1073.86	1159.25	6.00	139.00	0.00	0.00	0.30			
14	A	1099.46	1111.52	6.00	229.00	0.00	0.00	0.30			
15	A	1127.32	1091.66	6.00	225.00	0.00	0.00	0.30			
16	A	1153.07	1067.26	6.00	229.00	0.00	0.00	0.30			
17	A	1175.99	1048.14	6.00	86.00	0.00	0.00	0.30			



Horizontal Illuminance (lux)

Grid 1



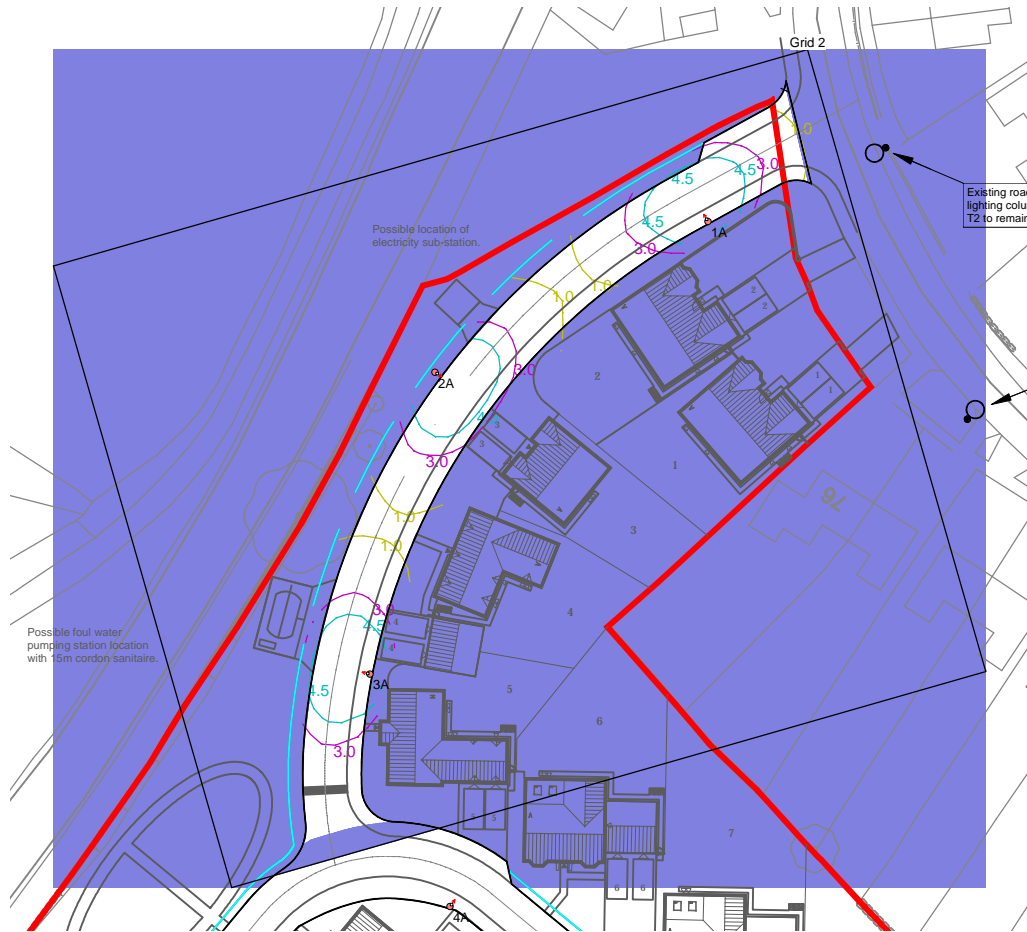
Results

Eav	3.64
Emin	0.84
Emax	8.26
Emin/Emax	0.10
Emin/Eav	0.23



Horizontal Illuminance (lux)

Grid 2



Results

Eav	3.33
Emin	0.82
Emax	8.11
Emin/Emax	0.10
Emin/Eav	0.25



Horizontal Illuminance (lux)

Grid 3



Results

Eav	3.93
Emin	0.90
E _{max}	8.18
E _{min} /E _{max}	0.11
E _{min} /E _{av}	0.23