DATE:	**28 March 2023**
DESIGNER:	**Thomas McCormack / Ross Traynor**
PROJECT No:	**23007-PL-100**
PROJECT NAME:	**TAYLOR'S LANE**

Designed in accordance with ISEN13201-2-2015 Class P4 & in accordance with South Dublin County Council Public Lighting Specification Rev 0 2016.
ILP Guidance Note 08/18 Bats & Artificial Lighting.

- All Luminaires are LED type which will lack UV/IP elements
- LED's are directional with dimming capability and are dark sky friendly
- Colour Temperature 3000K
- Baffles to be fitted to luminaires to minimise light spill into nearby vegetation or dwellings.

PUBLIC LIGHTING REPORT

PREPARED BY: McElligott Consulting Engineers

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 713532.2m x 726890.0m
Area 253.0m x 207.6m
Sample Spacing 1.50m x 1.49m

Luminaires

Luminaire A Data

Supplier	C U Phosco
Type	P863-16-P4-WW-E0400-22W
Lamp(s)	730P WW
Lamp Flux (klm)	2.41
File Name	P863-16-P4-WW-E0400-22W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	653.9, 172.3, 0.0
Lamp S/P Ratio	1.30
No. in Project	10

Luminaire B Data

Supplier	C U Phosco
Type	P852-12-R3B-WW-CA0200-9W
Lamp(s)	730C WW
Lamp Flux (klm)	1.04
File Name	P852-12-R3B-WW-CA0200-9W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	876.7, 56.5, 1.7
Lamp S/P Ratio	1.30
No. in Project	84

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	713563.65	726963.40	6.00	90.00	5.00	0.00	0.40			
2	A	713551.94	726984.09	6.00	278.00	5.00	0.00	0.40			
3	A	713579.31	726985.46	6.00	271.00	5.00	0.00	0.40			
4	A	713592.02	726964.66	6.00	91.00	5.00	0.00	0.40			
5	A	713603.16	726984.86	6.00	273.00	5.00	0.00	0.40			
6	A	713621.21	726965.66	6.00	92.00	5.00	0.00	0.40			
7	A	713641.14	726986.51	6.00	274.00	5.00	0.00	0.40			
8	A	713653.96	726966.58	6.00	90.00	5.00	0.00	0.40			
9	A	713664.65	726985.46	6.00	234.00	5.00	0.00	0.40			
10	A	713669.34	726954.91	6.00	36.00	0.00	0.00	0.40			
11	B	713677.51	726974.21	5.00	219.00	0.00	0.00	0.40			
12	B	713679.89	726934.99	5.00	27.00	0.00	0.00	0.40			
13	B	713553.01	726927.57	5.00	179.00	0.00	0.00	0.40			
14	B	713673.36	726920.33	5.00	116.00	0.00	0.00	0.40			
15	B	713648.31	726908.22	5.00	111.00	0.00	0.00	0.40			
16	B	713617.02	726905.47	5.00	90.00	0.00	0.00	0.40			
18	B	713593.48	726904.54	5.00	91.00	0.00	0.00	0.40			
19	B	713561.91	726916.52	5.00	264.00	0.00	0.00	0.40			
20	B	713577.40	726914.68	5.00	0.00	0.00	0.00	0.40			
21	B	713577.31	726957.32	5.00	3.00	0.00	0.00	0.40			

Layout Continued

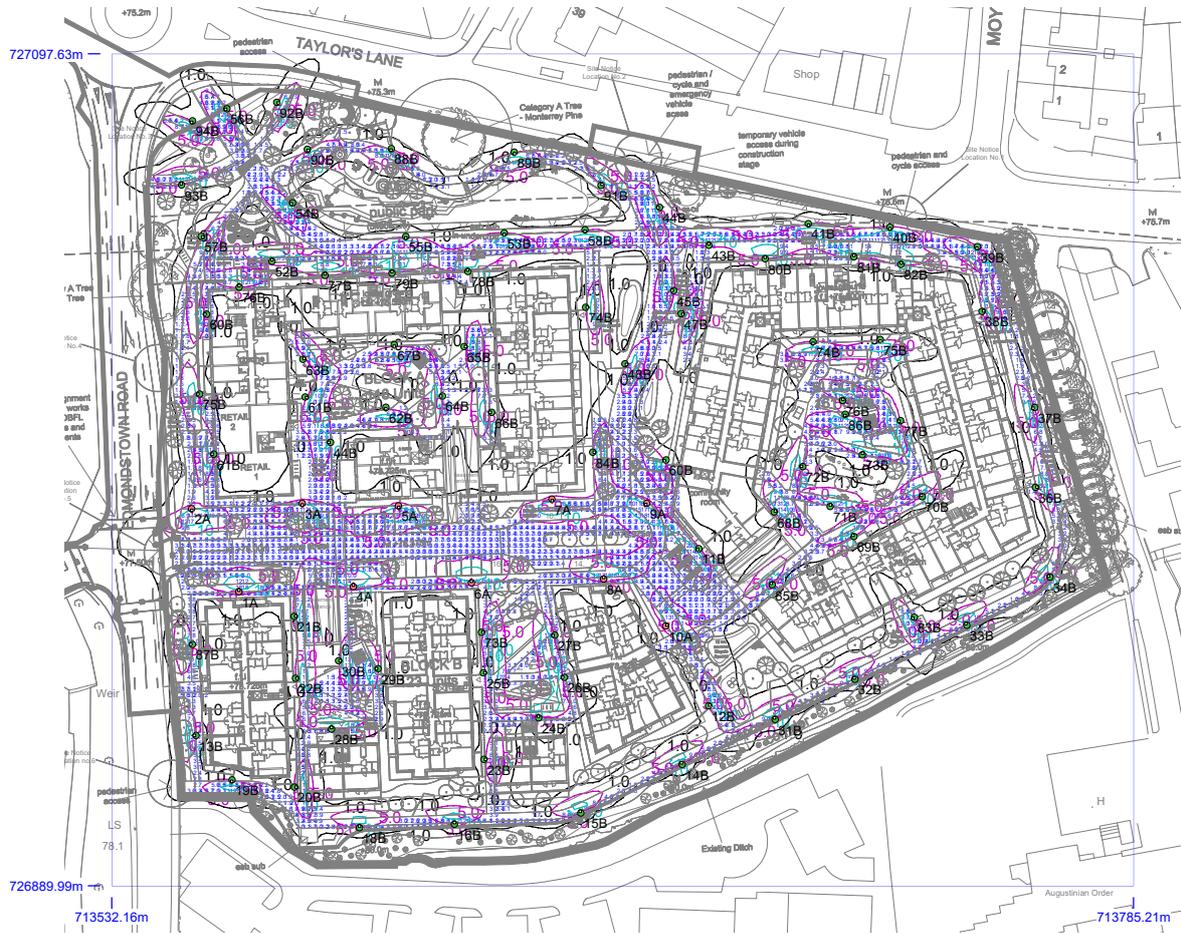| ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
22	B	713577.64	726941.80	5.00	1.00	0.00	0.00	0.40			
23	B	713624.29	726921.63	5.00	359.00	5.00	0.00	0.40			
24	B	713637.82	726931.99	5.00	91.00	5.00	0.00	0.40			
25	B	713624.13	726943.18	5.00	0.00	5.00	0.00	0.40			
26	B	713644.26	726942.10	5.00	185.00	5.00	0.00	0.40			
27	B	713641.83	726952.55	5.00	189.00	5.00	0.00	0.40			
28	B	713586.54	726929.18	5.00	88.00	0.00	0.00	0.40			
29	B	713598.11	726944.20	5.00	178.00	0.00	0.00	0.40			
30	B	713588.35	726946.21	5.00	358.00	0.00	0.00	0.40			
31	B	713696.41	726931.57	5.00	117.00	0.00	0.00	0.40			
32	B	713716.16	726941.58	5.00	116.00	0.00	0.00	0.40			
33	B	713743.83	726955.09	5.00	117.00	0.00	0.00	0.40			
34	B	713764.44	726967.07	5.00	146.00	0.00	0.00	0.40			
36	B	713760.87	726989.43	5.00	13.00	0.00	0.00	0.40			
37	B	713760.67	727009.36	5.00	195.00	0.00	0.00	0.40			
38	B	713747.61	727033.39	5.00	17.00	0.00	0.00	0.40			
39	B	713746.53	727049.49	5.00	235.00	0.00	0.00	0.40			
40	B	713724.83	727054.37	5.00	268.00	0.00	0.00	0.40			
41	B	713704.64	727055.28	5.00	276.00	0.00	0.00	0.40			
43	B	713680.01	727049.80	5.00	89.00	0.00	0.00	0.40			
44	B	713667.77	727059.34	5.00	195.00	0.00	0.00	0.40			
45	B	713671.28	727038.52	5.00	172.00	0.00	0.00	0.40			
44	B	713586.33	727000.72	5.00	179.00	0.00	0.00	0.40			
47	B	713673.14	727032.76	5.00	342.00	0.00	0.00	0.40			
48	B	713659.24	727020.28	5.00	339.00	0.00	0.00	0.40			
52	B	713571.81	727045.87	5.00	92.00	1.00	0.00	0.40			
53	B	713629.32	727052.98	5.00	268.00	0.00	0.00	0.40			
54	B	713576.91	727060.46	5.00	227.00	0.00	0.00	0.40			
55	B	713604.98	727052.06	5.00	271.00	0.00	0.00	0.40			
56	B	713560.68	727083.96	5.00	213.00	0.00	0.00	0.40			
57	B	713554.33	727052.10	5.00	331.00	0.00	0.00	0.40			
58	B	713649.29	727053.75	5.00	275.00	0.00	0.00	0.40			
60	B	713555.69	727032.65	5.00	182.00	5.00	0.00	0.40			
61	B	713557.43	726997.73	5.00	179.00	0.00	0.00	0.40			
60	B	713669.37	726996.31	5.00	211.00	5.00	0.00	0.40			
61	B	713580.06	727012.03	5.00	333.00	5.00	0.00	0.40			

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Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
62	B	713600.01	727009.45	5.00	269.00	5.00	0.00	0.40			
63	B	713579.47	727021.41	5.00	37.00	5.00	0.00	0.40			
64	B	713614.02	727012.28	5.00	180.00	0.00	0.00	0.40			
65	B	713619.39	727024.58	5.00	1.00	5.00	0.00	0.40			
66	B	713626.23	727008.16	5.00	180.00	5.00	0.00	0.40			
67	B	713602.08	727025.04	5.00	275.00	5.00	0.00	0.40			
68	B	713696.16	726983.36	5.00	38.00	0.00	0.00	0.40			
69	B	713715.91	726977.20	5.00	120.00	0.00	0.00	0.40			
70	B	713732.82	726987.13	5.00	122.00	0.00	0.00	0.40			
71	B	713710.02	726984.67	5.00	83.00	0.00	0.00	0.40			
72	B	713703.28	726994.60	5.00	159.00	0.00	0.00	0.40			
73	B	713717.99	726997.59	5.00	75.00	0.00	0.00	0.40			
74	B	713705.77	727025.80	5.00	271.00	0.00	0.00	0.40			
75	B	713722.46	727026.38	5.00	273.00	0.00	0.00	0.40			
76	B	713713.10	727011.10	5.00	74.00	0.00	0.00	0.40			
77	B	713727.46	727006.09	5.00	196.00	0.00	0.00	0.40			
73	B	713623.65	726953.34	5.00	0.00	5.00	0.00	0.40			
74	B	713649.46	727034.38	5.00	358.00	0.00	0.00	0.40			
75	B	713553.93	727012.72	5.00	184.00	0.00	0.00	0.40			
76	B	713563.72	727039.42	5.00	92.00	0.00	0.00	0.40			
77	B	713584.97	727042.35	5.00	92.00	1.00	0.00	0.40			
78	B	713620.32	727043.34	5.00	96.00	0.00	0.00	0.40			
79	B	713601.53	727042.88	5.00	94.00	0.00	0.00	0.40			
80	B	713693.96	727046.48	5.00	92.00	0.00	0.00	0.40			
81	B	713715.91	727046.96	5.00	91.00	0.00	0.00	0.40			
82	B	713727.58	727045.08	5.00	83.00	0.00	0.00	0.40			
83	B	713730.88	726957.03	5.00	208.00	0.00	0.00	0.40			
84	B	713651.22	726998.26	5.00	0.00	0.00	0.00	0.40			
85	B	713695.72	726965.18	5.00	136.00	0.00	0.00	0.40			
86	B	713713.76	727007.74	5.00	257.00	0.00	0.00	0.40			
87	B	713552.13	726950.29	5.00	184.00	0.00	0.00	0.40			
88	B	713601.40	727073.94	5.00	252.00	0.00	0.00	0.40			
89	B	713631.81	727073.11	5.00	280.00	0.00	0.00	0.40			
90	B	713580.62	727073.81	5.00	302.00	0.00	0.00	0.40			
91	B	713653.30	727064.78	5.00	50.00	0.00	0.00	0.40			
92	B	713573.04	727085.52	5.00	333.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
93	B	713549.45	727064.86	5.00	99.00	0.00	0.00	0.40			
94	B	713552.12	727080.89	5.00	243.00	0.00	0.00	0.40			

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Horizontal Illuminance (lux)

Grid 1

Results

Eav	5.54
Emin	1.03
Emax	19.04
Emin/Emax	0.05
Emin/Eav	0.19