

DATE: 29 March 2022
DESIGNER: Alex Naper
PROJECT No: SES 09021-01 Rev D
PROJECT NAME: Great Connell SHD Newbridge - Distributor Rd - Aston Limited



Distributor Road designed in accordance with EN13201-2:2015 Category P2.

Conflict area designed in accordance with EN13201-2:2015 Category C3.

Rev A: New site layout.
Rev B: Updated as per comments.
Rev C: Updated as per comments.
Rev D: Client name updated.

Outdoor Lighting Report

PREPARED BY: Sabre Electrical Services Ltd.
Unit 11,
Bellview Industrial Estate,
Tolka Valley Road,
Dublin 11
Phone Number: 01 8110875
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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	681679.57	714842.25	111.00	373.23	1.50	1.50
2	Grid 2	681424.27	714686.52	58.37	54.00	1.50	1.50

Luminaires

Luminaire B Data

Supplier	C U Phosco
Type	E950-28-P4A-730-C600-16W
Lamp(s)	730N
Lamp Flux (klm)	2.25
File Name	E950-28-P4A-730-C0600-16W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	659.3, 183.1, 0.3
No. in Project	2

Luminaire D Data

Supplier	C U Phosco
Type	P863-128-R2E-730-W3-325-43W
Lamp(s)	730SS
Lamp Flux (klm)	6.03
File Name	P863-128-R2E-730-W3-325-43W.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	463.7, 84.3, 0.0
No. in Project	3



Luminaire E Data

Supplier	C U Phosco
Type	P863-128-R2E-730-W3-525-68W
Lamp(s)	730SS
Lamp Flux (klm)	9.51
File Name	P863-128-R2E-730-W3-525-68W.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	463.7, 84.3, 0.0
No. in Project	12



Layout

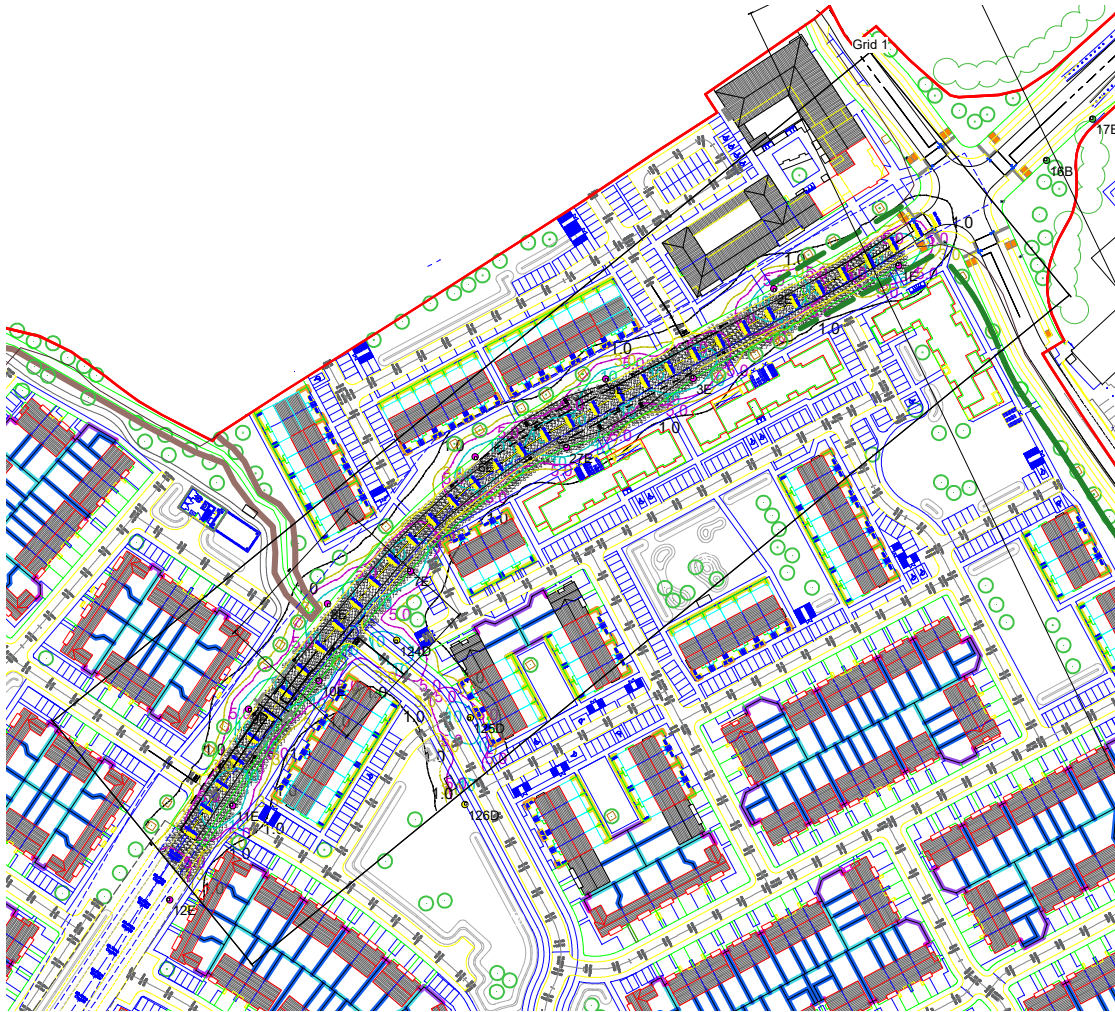
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	E	681619.26	714852.73	8.00	122.00	0.00	0.00	0.50			
2	E	681575.15	714844.58	8.00	299.00	0.00	0.00	0.50			
3	E	681546.71	714812.91	8.00	122.00	0.00	0.00	0.50			
5	E	681515.80	714812.70	8.00	300.00	0.00	0.00	0.50			
6	E	681469.58	714785.14	8.00	309.00	0.00	0.00	0.50			
7	E	681446.76	714744.83	8.00	137.00	0.00	0.00	0.50			
8	E	681417.55	714733.20	8.00	314.00	0.00	0.00	0.50			
9	E	681389.58	714696.04	8.00	333.00	0.00	0.00	0.50			
10	E	681414.49	714706.05	8.00	138.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	E	681383.99	714661.93	8.00	146.00	0.00	0.00	0.50			
12	E	681361.72	714628.58	8.00	155.00	0.00	0.00	0.50			
16	B	681671.54	714889.89	8.00	134.00	0.00	0.00	0.50			
17	B	681687.82	714904.47	8.00	124.00	0.00	0.00	0.50			
124	D	681441.91	714720.35	8.00	242.00	0.00	0.00	0.40			
125	D	681467.89	714692.97	8.00	211.00	0.00	0.00	0.40			
126	D	681465.99	714662.39	8.00	30.00	0.00	0.00	0.40			
27	E	681501.83	714788.46	8.00	101.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	12.05
Emin	2.40
Emax	36.21
Emin/Emax	0.07
Emin/Eav	0.20

