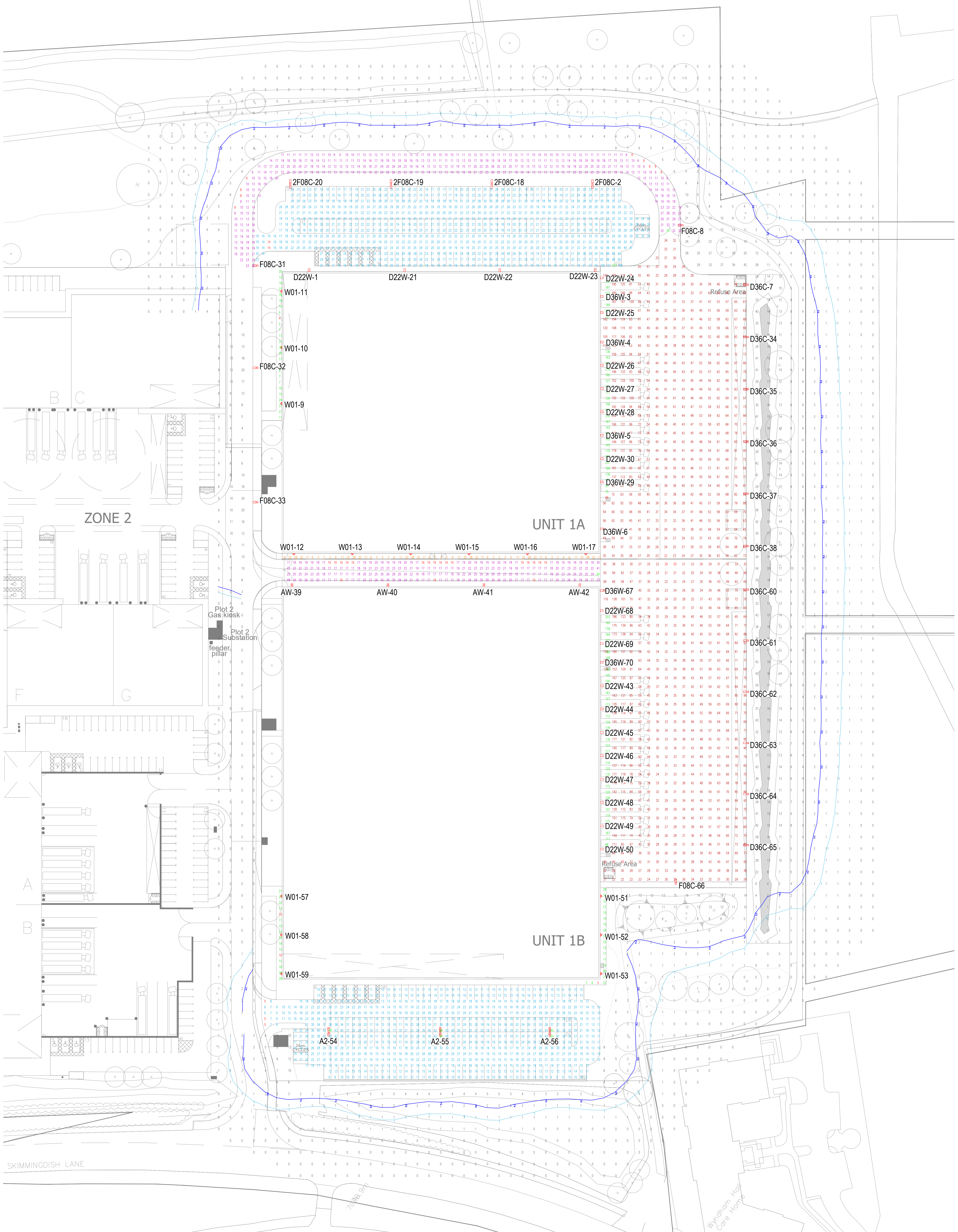


Symbol	Label	Qty	Catalog Number	Description	Lamp	Watts	Image
A2	A2	3	2x DSX1 2 LA164 AY on 8m Column	D-Series 1 Luminaire	LED C.1600LM-4000K	262	
AW	AW	4	1x DSX1 2 LA164 AY Wall Mounted at 8m AFFL	D-Series 1 Luminaire	LED C.1600LM-4000K	131	
D36C	D36C	12	1x DSX2 2 LA364 FW C7 on 8m Column	D-Series 2 Luminaire C7	LED C.3600LM-4000K	330	
D38W	D38W	7	DSX2 2 LA364 FW C9 Wall Mounted at 10m AFFL	D-Series 2 Luminaire C9	LED C.3600LM-4000K	330	
W01	W01	12	DEW LA014 NRC GL C9 at 3m AFFL	Denver Elite Wall C9	LED C.1000LM - 4000K	12	
W01	W01	3	DEW LA014 NRC GL C4 at 3m AFFL	Denver Elite Wall C4	LED C.1000LM - 4000K	12	
D22W	D22W	12	DSX1 2 LA224 FW C9 on Wall Bracket	D-Series 1 Luminaire C9	LED C.2200LM-4000K	208	
D22W	D22W	8	DSX1 2 LA224 FW C4 on Wall Bracket	D-Series 1 Luminaire C4	LED C.2200LM-4000K	208	
F08C	F08C	5	1x FTS 2 LA084 AY C 7 on 8m Column	FACTOR SMALL STREETLIGHT	LED C.8000LM-4000K	70	
F08C	F08C	4	1x FTS 2 LA084 AY C 7 on 8m Column	FACTOR SMALL STREETLIGHT	LED C.8000LM-4000K	140	

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NO.	DESCRIPTION OF HAZARD	CONTROL MEASURES	ACTION BY
X	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX

- NOTES**
- THE PROPOSED LIGHTING SCHEME WILL ADOPT A POLICY OF LIMITING & CONTROLLING ALL EXTERNAL 'UPWARD LIGHT POLLUTION' TO A MINIMUM AND TO USE THE MINIMUM ENERGY NECESSARY TO PROVIDE SAFE AND SECURE PREMISES. ALL EXTERNAL LIGHTING SCHEMES MUST THEREFORE NOT MAKE A DIRECT CONTRIBUTION TO 'UPWARD LIGHT POLLUTION'.
 - THE NEW LIGHTING DESIGN WILL SATISFY ALL STATUTORY REQUIREMENTS INCLUDING THE CHARTERED INSTITUTION OF BUILDING SERVICES ENGINEERS 'CIBSE' TECHNICAL LIGHTING GUIDES.
 - CAR PARKS, SERVICE YARD AND PEDESTRIAN AREAS, INCLUDING ALL ESCAPE DOORS AND PATHS ARE TO BE ILLUMINATED BY LED / LOW ENERGY LIGHT SOURCES USING A COMBINATION OF BUILDING MOUNTED LUMINAIRES AND LIGHTING COLUMNS, TO PROVIDE A MINIMUM MAINTAINED LUMINAIRE LOCAL INCREASES IN LIGHTING LEVELS SHALL BE PROVIDED TO THE SERVICE YARDS AND STAFF ENTRANCES AND LOADING BAY AREAS FOR SAFE ACCESS AND EGRESS.
 - THE CONTROL OF THE LIGHTING SOLUTIONS WILL BE VIA A TIME CLOCK AND PHOTOCELL CONTROL. THIS WILL ENABLE THE LIGHTING TO BE CONTROLLED TO OPERATE DURING THE OPENING TIMES TO CONCLUDE WITH THE SUMMER AND WINTER SEASONS, THUS PREVENTING THE UNNECESSARY OPERATION OF THE LIGHTING SYSTEM.
 - THE EXTERNAL LIGHTING WILL BE CO-ORDINATED WITH THE LANDSCAPING SCHEME WITH LIGHT SPILLAGE FROM THE SITE BEING KEPT TO A MINIMUM.
 - THE LIGHTING WILL BE DESIGNED TAKING GREAT CARE TO ENSURE THAT THE REQUIRED LIGHTING LEVELS ARE ACHIEVED AT THE CAR PARK PERIMETRY, INCORPORATING LIGHTING GLARE CONTROL TO PREVENT LIGHT POLLUTION TO SURROUNDING AREAS, AND THAT ADEQUATE SECURITY LIGHTING IS PROVIDED FOR PUBLIC AND STAFF SAFETY.



No.	Label	MH	TR
1	D22W	10.0	0.0
2	F08C	8.0	0.0
3	D36W	10.0	0.0
4	D36W	10.0	0.0
5	D36W	10.0	0.0
6	D36W	10.0	0.0
7	D36C	8.0	0.0
8	F08C	8.0	0.0
9	W01	3.0	0.0
10	W01	3.0	0.0
11	W01	3.0	0.0
12	W01	3.0	0.0
13	W01	3.0	0.0
14	W01	3.0	0.0
15	W01	3.0	0.0
16	W01	3.0	0.0
17	W01	3.0	0.0
18	F08C	8.0	0.0
19	F08C	8.0	0.0
20	F08C	8.0	0.0
21	D22W	10.0	0.0
22	D22W	10.0	0.0
23	D22W	10.0	0.0
24	D22W	4.0	0.0
25	D22W	4.0	0.0
26	D22W	4.0	0.0
27	D22W	10.0	0.0
28	D22W	4.0	0.0
29	D36W	10.0	0.0
30	D22W	4.0	0.0
31	F08C	8.0	0.0
32	F08C	8.0	0.0
33	F08C	8.0	0.0
34	F08C	8.0	0.0
35	F08C	8.0	0.0
36	F08C	8.0	0.0
37	F08C	8.0	0.0
38	F08C	8.0	0.0
39	AW	8.0	0.0
40	AW	8.0	0.0
41	AW	8.0	0.0
42	AW	8.0	0.0
43	D22W	4.0	0.0
44	D22W	10.0	0.0
45	D22W	4.0	0.0
46	D22W	10.0	0.0
47	D22W	4.0	0.0
48	D22W	10.0	0.0
49	D22W	4.0	0.0
50	D22W	10.0	0.0
51	W01	3.0	0.0
52	W01	3.0	0.0
53	W01	3.0	0.0
54	A2	8.0	0.0
55	A2	8.0	0.0
56	A2	8.0	0.0
57	W01	3.0	0.0
58	W01	3.0	0.0
59	W01	3.0	0.0
60	D36C	8.0	0.0
61	D36C	8.0	0.0
62	D36C	8.0	0.0
63	D36C	8.0	0.0
64	D36C	8.0	0.0
65	D36C	8.0	0.0
66	F08C	8.0	0.0
67	D36W	10.0	0.0
68	D22W	4.0	0.0
69	D22W	4.0	0.0
70	D36W	10.0	0.0

10mm SCALE 1:1

T1 17.12.18 Planning Issue CP
 T2 18.04.18 Tender Issue CP
 Rev. Date Details CP
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ALBION LAND
 Project
 Link 9 - Skimmingdish Lane
 Bicester

Drawing Title
 External Lighting Layout
 Unit 1A & 1B

Purpose
PLANNING

Drawn SC
 1306
 Date Apr 2018
 Engineer CP
 Approved CP
 Scale 1:500
 Drawing No. 1306-ESC-ZZ-ZZ-DR-E-2100 T2