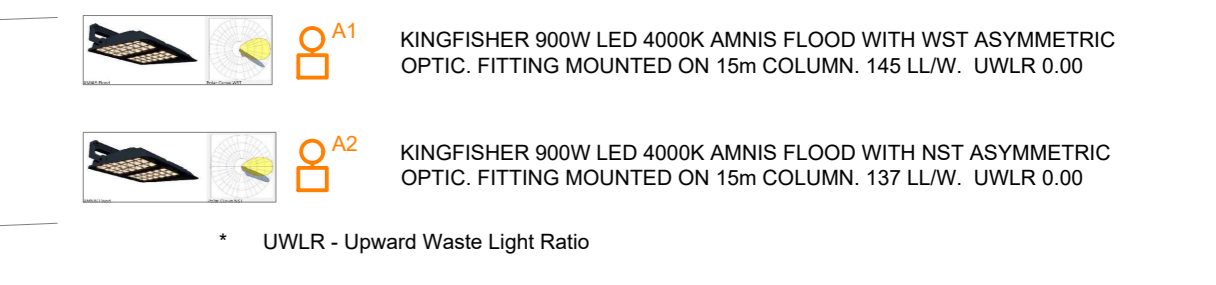


- NOTES**
1. Do not scale. All dimensions are in millimetres unless stated otherwise.
  2. This drawing to be used only for the specific services intended.
  3. This drawing to be read in conjunction with all other relevant drawings, engineering and architectural specifications.
  4. This drawing should be viewed & printed in colour.

**SYMBOL LEGEND**



Horizontal Illuminance (lux)						
Calculation	Average	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)	
Main Football Pitch	207.97	328	124	0.60	0.58	

Obtrusive lighting calculation - Pre-cursor						
Calculation	Units	Average	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)
House Row 1 Seg 1 (C4)	NA	946.44	1029	874	0.80	0.66
House Row 2 (C4)	NA	2854	6977	789	0.28	0.11
How Row Seg 1 (Illuminance)	Lux	0.00	0	0	NA	NA
How Row Seg 2 (Illuminance)	Lux	1.07	3	0	0.00	0.00

**Obtrusive Light - Compliance Report**

CIE 150:2017, E3-Medium District Brightness,  
 File-Name: 21438 Charlie Wayman Fields and Miners Welfare, football  
 18/12/2023 15:21:37

**Illuminance**  
 Maximum Allowable Value: 10 Lux  
 Calculations Tested (2):

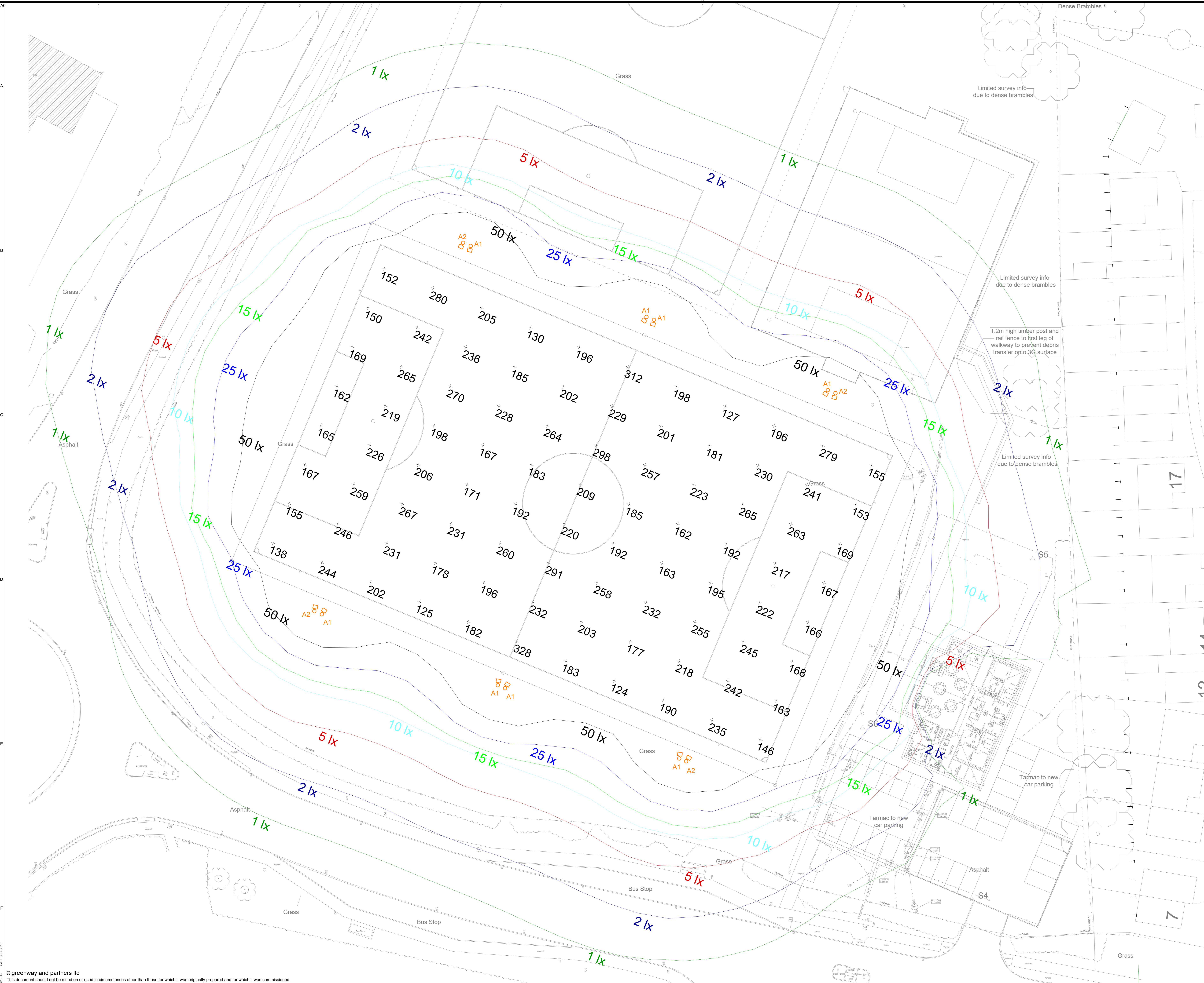
Calculation Label	Test Results	Max. Num.
House Row 1 Seg 1 (C4)	PASS	0
House Row 1 Seg 2 (C4)	PASS	3

**Luminous Intensity (Cd) At Vertical Planes** Maximum Allowable Value calculated from CIE 150:2017 (varies by Projected Area sq.m and Distance Factor)

For E3 - Medium District Brightness,  
 Projected Area and Distance Factors:  
 (0.002, 0.57), (0.01, 1.3), (0.03, 2.5), (0.13, 5), (0.5, 10)  
 Projected Area (sq.m) = Approx. projected emitting area of luminaire in direction of observer  
 Distance (m) = Distance from luminaire to observer  
 Max Cd Allowed = Projected Area Factor \* Distance

Calculations Tested (2):

Calculation Label	Test Results
House Row 1 Seg 1 (C4)	PASS
House Row 1 Seg 2 (C4)	PASS



**PRELIMINARY**

P1	03.01.24	KC	PRELIMINARY ISSUE	ZT	ZT
Rev	Date	Drawn	Description	Chk'd	App'd

**greenways**  
 Building Services Consultants  
 BEDFORD COURT, 20-24 BEDFORD STREET  
 LEAMINGTON SPA, WARWICKSHIRE, CV32 2DU  
 TELEPHONE: 01926 314300  
 FAX: 01926 429664  
 Email: info@greenways.co.uk

Client:  
**CHARLIE WAYMAN FIELDS AND MINERS WELFARE SITES  
 CHILTON WELF, FERRYHILL  
 DL17 0HJ**

Title:  
**PROPOSED CHARLIE WAYMAN SITE  
 EXTERNAL LIGHTING  
 EXISTING FOOTBALL PITCH**

Designed	KF	Drawn	KC	Approved	ZT
Scale at A0	1:200	CAD NAME	GBSC-E500		
Drawing No	2365-E501				Rev
					P1