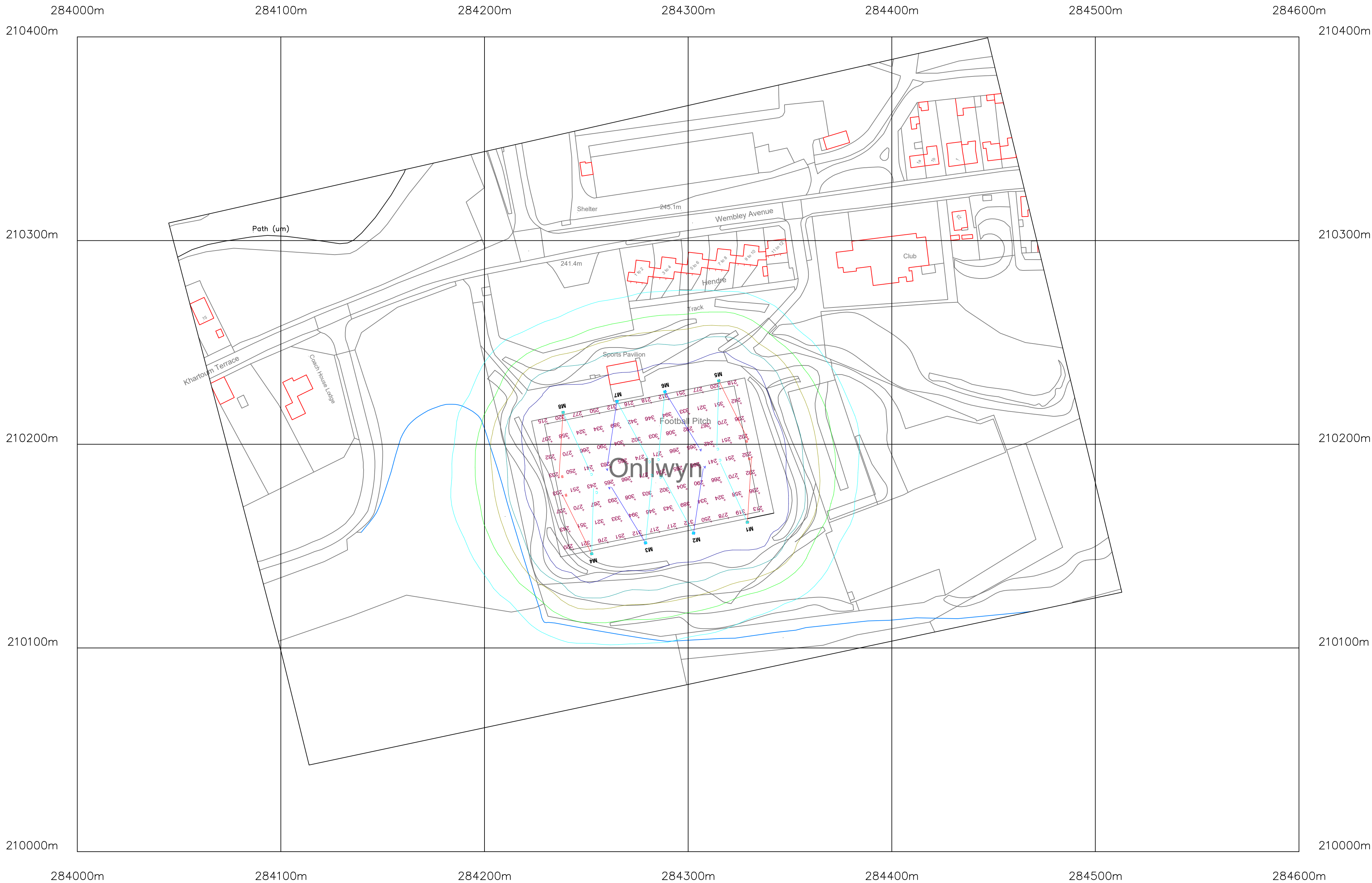
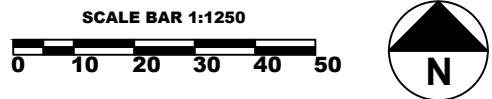




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Lighting Schedule Project Total (for mast arrangements see table/s below)						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	A	4	AL6102_15752S Challenger 1 LED	15	1539	203437
	B	4	AL6101_15752S Challenger 1 LED	15	1535	204388
	C	8	AL6202_10752S Challenger 1 LED	15	1009.1	133730

Mast Arrangement						
M1,M4,M5,M8						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	B	1	AL6101_15752S Challenger 1 LED	15	1535	204388
	C	1	AL6202_10752S Challenger 1 LED	15	1009.1	133730

Mast Arrangement						
M2,M3,M6,M7						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	A	1	AL6102_15752S Challenger 1 LED	15	1539	203437
	C	1	AL6202_10752S Challenger 1 LED	15	1009.1	133730

Horizontal Illuminance Levels				
Welsh FA Men's Tier 3 Specification				
Label	CalcType	Units	Avg	Min/Avg
Football Pitch	Illuminance	Lux	250	0.60

Calculation Summary							
Initial Calculations							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	282	394	213	0.75	0.54

Calculation Summary							
Maintained Calculations							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	254	355	192	0.76	0.54

Area Summary		Challenger 1 LED AL6100	Challenger 1 LED AL6200
Label	Total Watts		
Football Pitch	20,368.8		

Glare Summary		Obtrusive Light - Compliance Report	
Label	GRmax	CIE 150:2017, E2-Low District Brightness, Pre-Curfew	
Main Pitch	50	Filename: LS4063540 Seven Sisters Onllwyn AFC	
Training Pitch	49	06/12/2023 07:48:17	

Calculation Grid Intervals		Illuminance	
Label	Grid	Maximum Allowable Value: 5 Lux	
Football Pitch	12 x 8		

Area Dimensions			Calculations Tested (6):		
Area	L (m)	W (m)	Calculation Label	Test Results	Max. Illum.
Football Pitch	95	63	1-2 Wembley Avenue	PASS	5
			3-4 Wembley Avenue	PASS	5
			5-6 Wembley Avenue	PASS	5
			7-8 Wembley Avenue	PASS	4
			9-10 Wembley Avenue	PASS	4
			11-12 Wembley Avenue	PASS	3

Isoline Legend		Maintenance Factor 0.9	
Illuminance (Lux)		LED lifetime	
Colour	Value	L80B10: > 60,000 hours	
	2	Dirt depreciation factor:	
	5	BS5489-1:2020 Table C.1	
	10	12 month cleaning intervals	
	20		
	50		

Notes:
This scheme has been designed based upon a flat and open area. Shadowing from obstructions have not been taken into account.
Drawing converted from satellite image, please check dimensions before ordering and installing.
Initial levels shown on drawing.