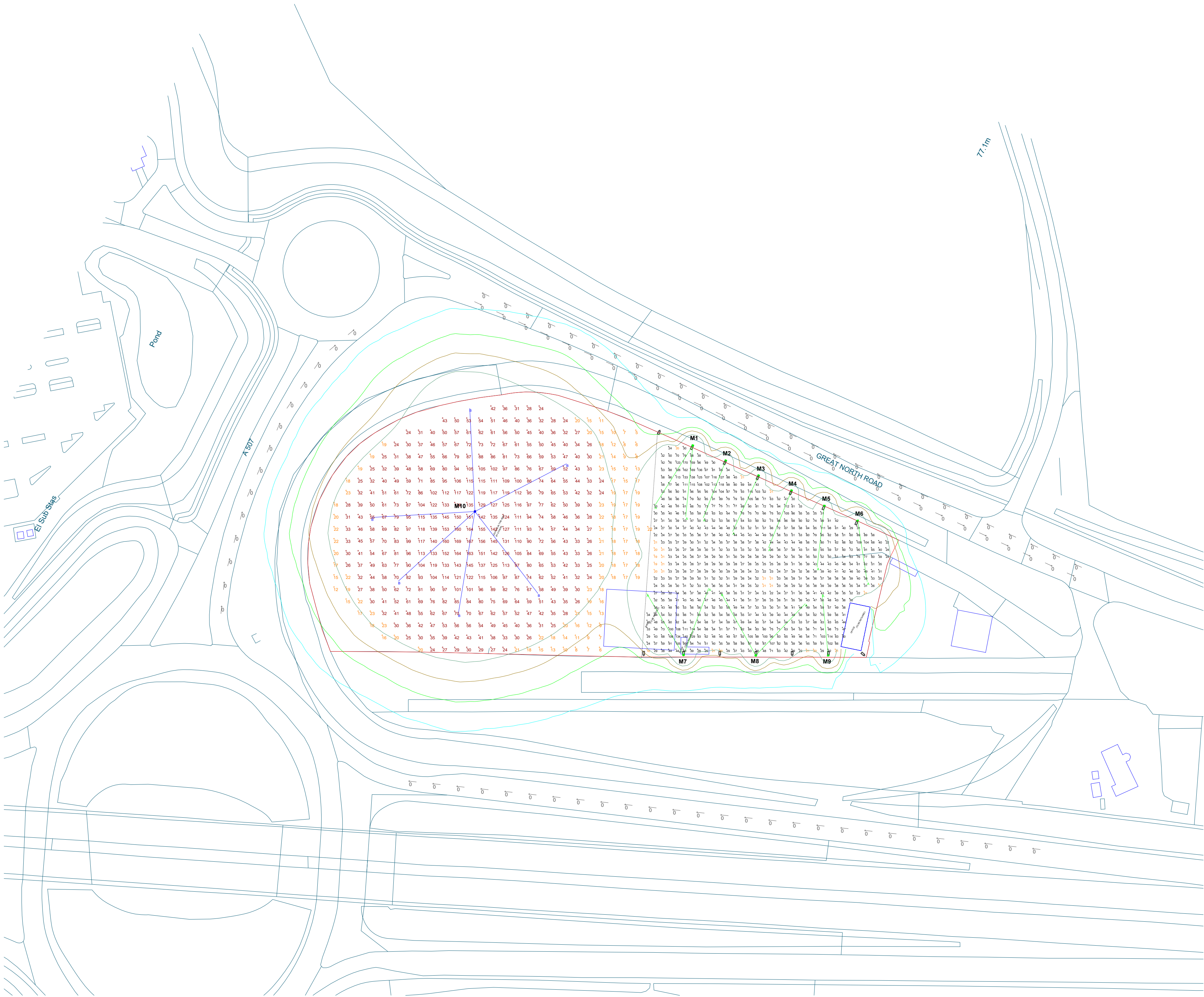




Lighting Schedule Project Total (for mast arrangements see table/s below)						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
■	A	12	AL61101_59_8_AW_270_3K Vago	12	270	40099
■	B	6	AL6102_15830S + FS2 + RS2 Challenger 1 LED	30	1539.1	163660

Mast Arrangement						
M1,M7,M8						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
■	A	2	AL61101_59_8_AW_270_3K Vago	12	270	40099

Mast Arrangement						
M2,M3,M4,M5,M6,M9						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
■	A	1	AL61101_59_8_AW_270_3K Vago	12	270	40099

Mast Arrangement						
M10						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
■	B	6	AL6102_15830S + FS2 + RS2 Challenger 1 LED	30	1539.1	163660

Horizontal Illuminance Levels				
BS EN 12464-2:2024 - Table 7.4				
Label	CalcType	Units	Avg	Min/Avg
Mixed Traffic Areas, Vehicle Turning, Stationary Loading and Unloading Points	Illuminance	Lux	50	0.40

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Yard Area North	Illuminance	Lux	58	169	5	0.09	0.03
Yard Area South	Illuminance	Lux	53	170	16	0.30	0.09

Challenger 1 LED AL6100



Vago AL61101 (BT 8)



Obtrusive Light - Compliance Report
CIE 150:2017, E2-Low District Brightness, Pre-Curfew
Filename: LS4070054_1 Carey London Ltd - Baldock Yard 3000K
16/12/2025 14:54:09

Threshold Increment (TI)
Maximum Allowable Value: 15 %

Calculations Tested (4):

Calculation Label	Adaptation Luminance	Test Results
A1 Sliproad	10	PASS
A507 Northbound	10	PASS
A507 Southbound	10	PASS
A507 Westbound	10	PASS

Upward Light Ratio (ULR)
Maximum Allowable Value: 2.5 %

Calculated ULR: 1.2 %
Test Results: PASS

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.

Isolux contours, threshold increment and ULR calculated at initial lighting levels.

Points shown in orange fall below the lux levels required to achieve uniformity.