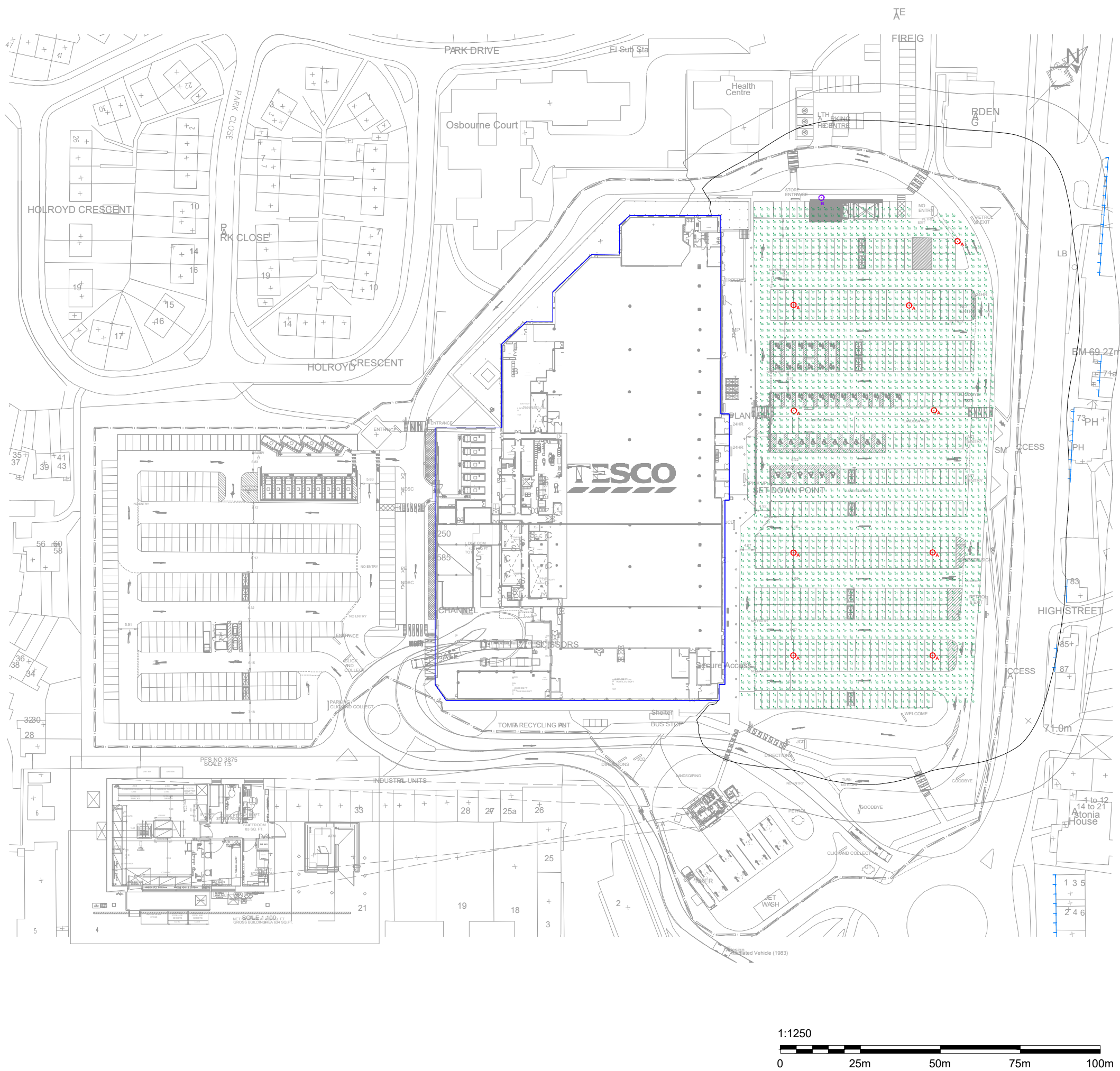




Lighting Schedule Project Total						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	A	9	AL4701_25740 Orion Pro	10	252.8	39118
	B	1	AL4702_25740 Orion Pro	10	251.7	36165

Horizontal Illuminance Levels				
Customer Specification				
Label	CalcType	Units	Avg	Min/Avg
Car Park	Illuminance	Lux	20	0.35

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Car Park	Illuminance	Lux	23	48	8	0.35	0.17

Area Summary	
Label	Total Watts
Car Park	2,526.9

Obrusive Light - Compliance Report
CIE 150:2017, E3-Medium District Brightness, Pre-Curfew
Filename: LS4069085_1 Tesco Baldock
03/07/2025 10:20:07

Calculation Grid Intervals	
Label	Grid
Car Park	2.5m x 2.5m

Illuminance		
Maximum Allowable Value: 10 Lux		
Calculations Tested (7):		
Calculation Label	Test Results	Max. Illum.
High Street_III_Seg1	PASS	0.4
High Street_1_III_Seg1	PASS	5.0
High Street_2_III_Seg1	PASS	4.9
High Street_3_III_Seg1	PASS	4.6
High Street_4_III_Seg1	PASS	2.8
High Street_5_III_Seg1	PASS	1.9
High Street_6_III_Seg1	PASS	4.4

Calculation Grid Heights	
Label	Height
Car Park	4m AGL
ISO Contours	0m AGL
Obrusive Light	1.5m, 4m, 4.5m, 7.5m AGL

Notes:
This design includes an obstruction at a height of 10m.

Excluding the above, this scheme has been designed based upon a flat and open area. Shadowing from other obstructions have not been taken into account.

Drawing converted from a PDF file, please check dimensions before ordering and installing.

ISO contours calculated at initial lighting levels.

Maintenance Factor 0.9	
Dirt depreciation factor: BS5489-1:2020 Table C.1 12 month cleaning intervals	
Isoline Legend	
Illuminance (Lux)	
Colour	Value
	1
	2.5



ABACUS LIGHTING LTD.
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+44) 01623 511111
Fax: (+44) 01623 552133
Email: light@abacuslighting.com
Home page: www.abacuslighting.com

Lighting Project: Tesco Baldock		
Title: External Lighting		
Design Ref:	LS4069085_1a	Revision(s) From Previous Design: JS(1) - Moved columns to specified locations. Added extra column to light top right area. JS(1a) - Changed scale and added scale bar.
Design By:	Jack Smith	
Date:	19/02/2026	Scale: 1:1250 @ A1

All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.