

REVISIONS			
DATE	REV	BY	DETAILS

- NOTES
- 1.) THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS.
 - 2.) DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
 - 3.) THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES.
 - 4.) REFER TO DATA SHEETS IN ELECTRICAL SPECIFICATION FOR DETAILS OF ELECTRICAL EQUIPMENT.
 - 5.) ALL CIVIL WORKS BY THE MAIN CONTRACTOR.
 - 6.) MAIN CONTRACTOR TO ALLOW FOR BASES FOR THE LIGHTING COLUMNS AND FOR ERECTION OF THE LIGHTING COLUMNS.

PRELIMINARY

rmce
Mechanical & Electrical Engineering

PRIVATE PROPERTY

RONAN MEALLY CONSULTING ENGINEERS LTD
1 City Wall, James Street
Kilkenny
Ireland
Telephone: 056 7795428 Facsimile: 056 7795427

PROJECT

**RESIDENTIAL DEVELOPMENT
DUNNINGSTOWN ROAD
KILKENNY**

DRAWING TITLE

**M&E SERVICES
SITE SERVICES LAYOUT**

DRWN	CM	SCALE	1:100	JOB NO.	22K105
CHECKED	RM	DATE	MAY 2023	DRAWING No.	ME-1000
					REV
					P2

DATE: 30 May 2023
DESIGNER: Ronan Meally
PROJECT No: 22K105
PROJECT NAME: Dunningstown Road



Carpark Lighting designed to meet Lighting Class IS EN
12464:2:2007
Maintenance factor 0.76

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin -60.4m x -34.2m
Area 54.9m x 50.7m
Sample Spacing 1.00m x 1.01m

Luminaires



Luminaire A Data

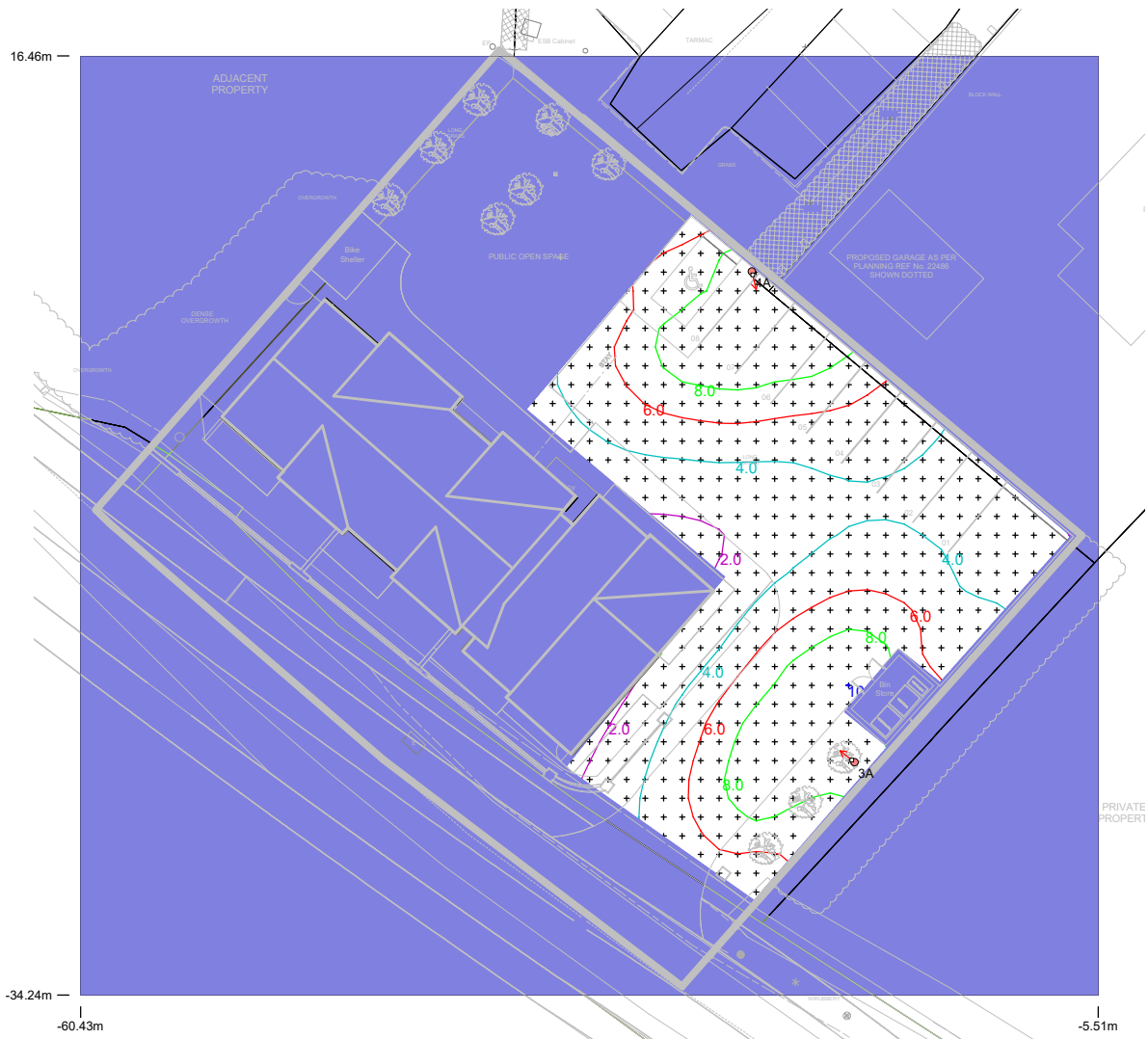
Supplier	Philips
Type	BGP291 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	4.60
File Name	LumiStreet Gen2 Micro_BGP291_DW50_460 0_20LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	609.4, 39.0, 0.0
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
3	A	-18.67	-21.66	6.00	141.00	0.00	0.00	0.20			
4	A	-24.21	4.83	6.00	283.00	0.00	0.00	0.20			

Horizontal Illuminance (lux)

Dunningstown

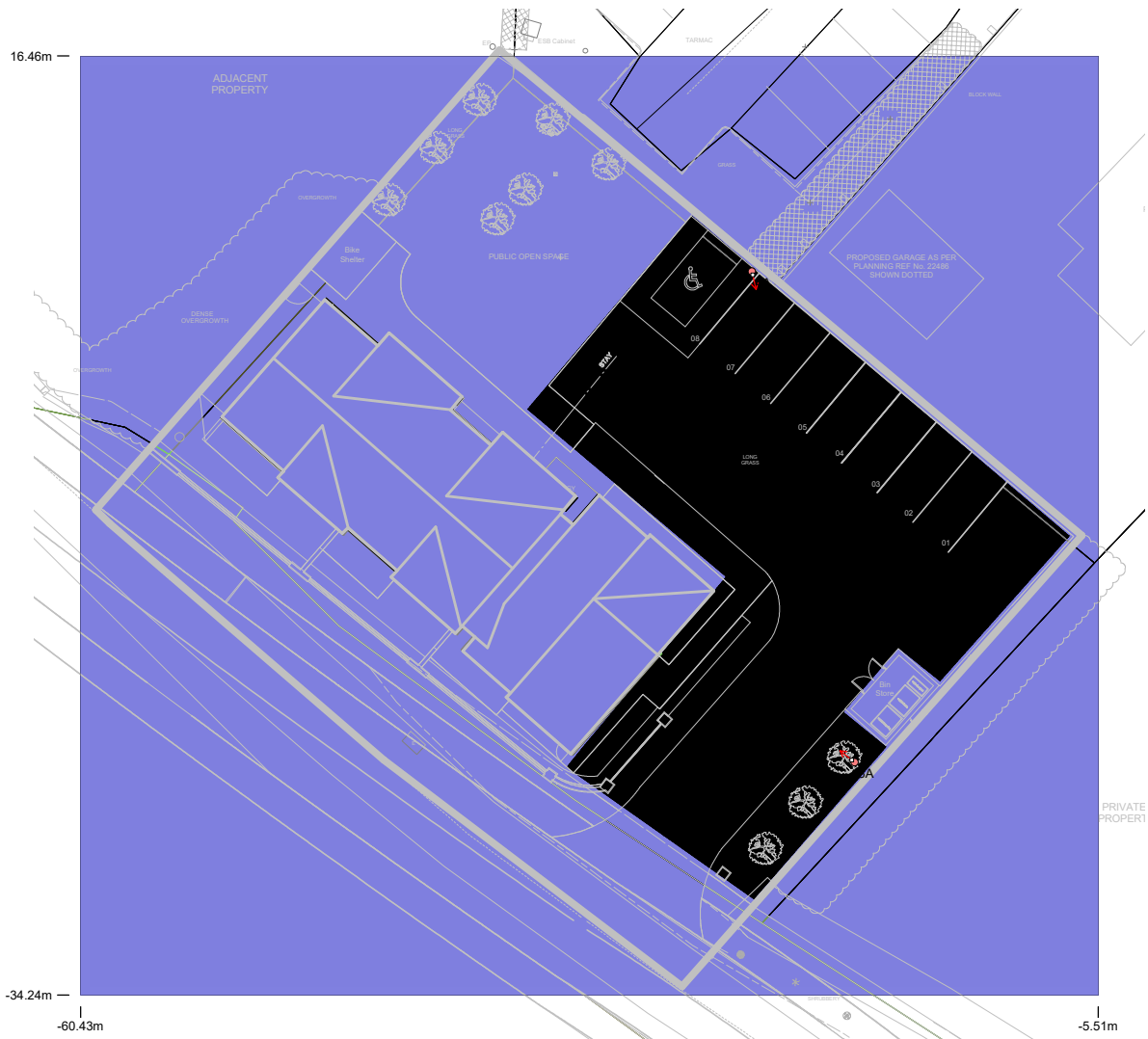


Results

Eav	5.57
Emin	1.50
E _{max}	10.02
E _{min} /E _{max}	0.15
E _{min} /E _{av}	0.27

Horizontal Illuminance (lux)

Dunningstown

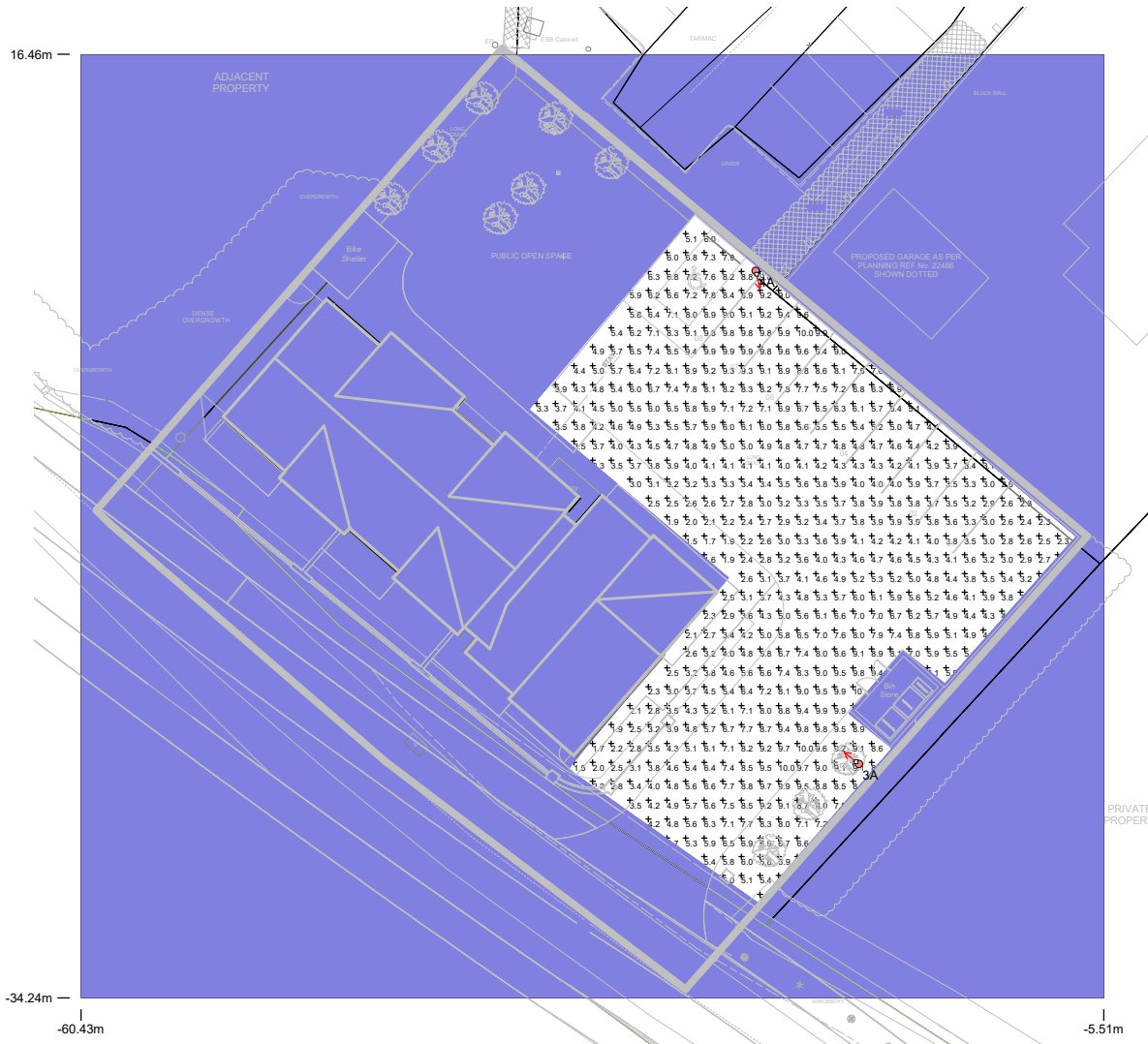


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