

DATE: 10 November 2025
DESIGNER: CBS Consulting ENgineers Ltd
PROJECT No:
PROJECT NAME: Pairc na Habhainn Athenry

**LIGHTING
REALITY**

Outdoor Lighting Report

The lighting design has achieved the following Lighting
Standards: P3 --EN 13201-2:2015

PREPARED BY: CBS Consulting Engineers Ltd

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 550108.3m x 726777.4m
Area 149.5m x 147.6m
Sample Spacing 1.49m x 1.49m

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3 EVO 1 5266 Integrated lenses 16 OSLON SQUARE GIANT@50
Lamp(s)	16 OSLON SQUARE GIANT@500mA WW 730 230V 01-11-814
LampFlux(klm)/Colour	3.67 WW 3000K/70
File Name	25.7W 511022 Integrated lenses 230V EF Extra-Wide ProFlex .ldt
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	966.7, 185.1, 0.0
No. in Project	13

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	550184.96	726898.72	6.00	259.00	3.00	0.00	0.50			
2	A	550181.17	726884.33	6.00	9.00	1.00	0.00	0.50			
3	A	550166.27	726898.37	6.00	273.00	3.00	0.00	0.50			
4	A	550200.11	726898.65	6.00	245.00	1.00	0.00	0.50			
5	A	550144.08	726897.79	6.00	330.00	0.00	0.00	0.50			
6	A	550155.20	726882.13	6.00	3.00	1.00	0.00	0.50			
7	A	550202.97	726831.67	6.00	182.00	3.00	0.00	0.50			
8	A	550169.00	726865.53	6.00	75.00	1.00	0.00	0.50			
9	A	550182.62	726849.44	6.00	35.00	3.00	0.00	0.50			
10	A	550184.04	726870.26	6.00	225.00	1.00	0.00	0.50			
11	A	550195.26	726876.21	6.00	22.00	1.00	0.00	0.50			
12	A	550202.91	726857.39	6.00	197.00	1.00	0.00	0.50			
13	A	550191.46	726825.42	6.00	321.00	3.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1

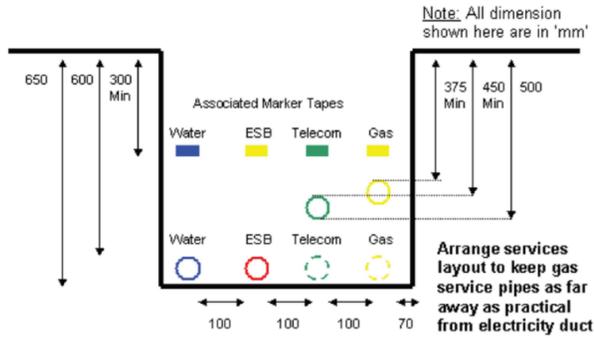


Results

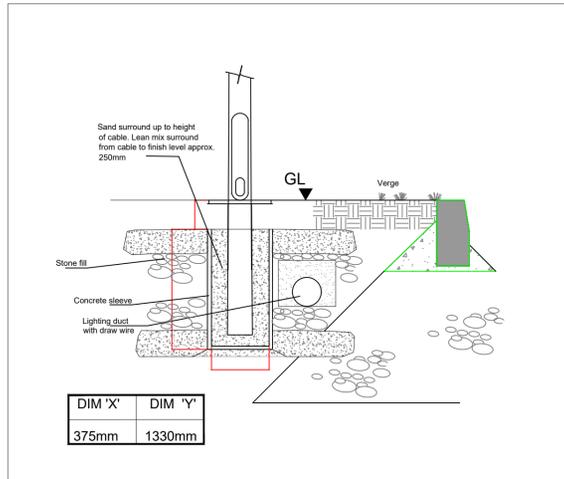
Eav	10.31
Emin	1.52
Emax	31.10
Emin/Emax	0.05
Emin/Eav	0.15

	 Luminaire A
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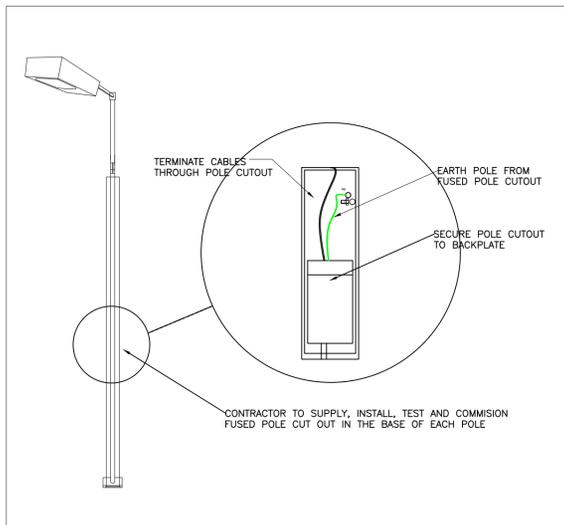
LUMINAIRE SCHEDULE



INDICATIVE DUCTING DEPTHS AND WARNING TAPE DEPTHS

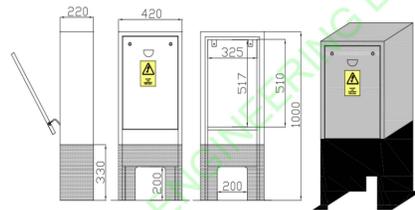


TYPICAL POLE CUT OUT DETAIL

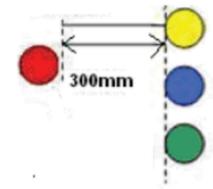


TYPICAL SLEEVE DETAIL

THIS DRAWING IS INDICATIVE OF REQUIREMENTS ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN AND COMPLIANCE OF ALL ASPECTS OF THE PROJECT. DRAWING SHALL BE READ AS MINIMUM REQUIREMENTS. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ALL OTHER INFORMATION.



STREET LIGHTING MICRO PILLAR - TYPICAL



INDICATIVE DUCTING LAYOUT AND SPACING

THIS DRAWING IS A SERVICE MARKUP SHOWING SERVICES REQUIREMENTS THIS DRAWING IS NOT A CIVIL ENGINEERING DRAWING. BEST PRACTICE SHALL BE USED TO CARRY OUT THE INSTALLATION. IF IN DOUBT THE CIVIL ENGINEER SHOULD BE CONSULTED.

Notes:

- NOTES**
- POLE TOP LUMINAIRES INSTALLED COMPLETE WITH INTEGRAL PHOTOCELL.
 - LIGHTING CABLED IN 3 X 6.0MMSQ XLPE/SWA/PVC/Cu CABLE RATED FOR USE IN DUCTS
 - LUMINAIRES SHALL BE SWITCHED THROUGH INTEGRAL PHOTOCELL IN EACH LUMINAIRE
 - THE ELECTRICAL CONTRACTOR SHALL SUPPLY, INSTALL, TEST AND COMMISSION ALL LIGHTING POLES, POLE TOP LUMINAIRES, POLE CUT-OUTS AND SUNDRY ITEMS
 - ALL ELECTRICAL WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH IS10101:2020 NATIONAL RULES FOR ELECTRICAL INSTALLATIONS.
 - THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A SPECIALIST STREET LIGHTING CONTRACTOR TO CARRY OUT THE SUPPLY AND INSTALLATION, TESTING, INSPECTION, COMMISSIONING AND HANDOVER OF THE STREET LIGHTING.
 - THE SPECIALIST STREET LIGHTING CONTRACTOR SHALL BE APPROVED BY GALWAY COUNTY COUNCIL.
 - THIS IS A LAYOUT DRAWING. DO NOT SCALE FROM THIS DRAWING. USE ARCHITECTS DRAWINGS TO TAKE FIGURED DIMENSIONS. ACTUAL DIMENSIONS SHOULD BE MEASURED BY MEANS OF A SITE VISIT.
 - THE CONTRACTOR SHALL SUPPLY ALL NECESSARY LABOUR & MATERIALS. A FULLY FUNCTIONING COMPLETE INSTALLATION SHALL BE HANDED OVER TO THE CLIENT.

Key

-  Street Lighting Location
-  Luminaire A Column
-  Beam Aiming Target
-  Photometric Centre

P	Preliminary	RY	12.11.25
REV:	DESCRIPTION:	BY:	DATE:
STATUS:			

CBS Consulting Engineers
MECHANICAL & ELECTRICAL ENGINEERS

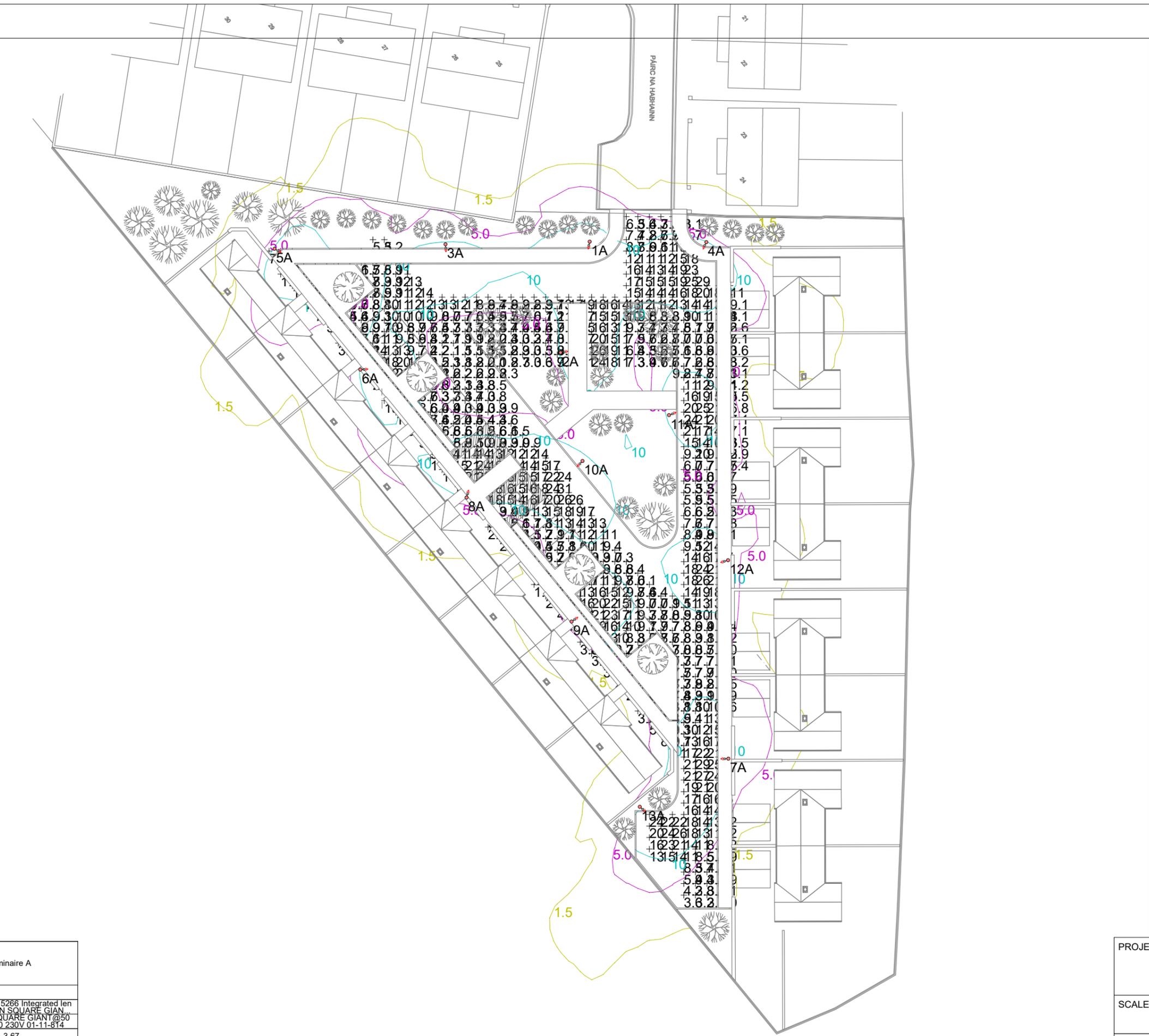
CLIENT:  **Comhairle Chontae na Gaillimhe**
Galway County Council

ARCHITECT: Paul Keogh Architects
Cathedral Court
New Street
Dublin 8

SITE: Proposed Development at Pairc na hAbhainn, Athenry, Co Galway			
TITLE: Public Lighting Layout			
SCALE AT A1: 1:200	DATE: 16.09.24	DRAWN: RY	CHECKED: RY
PROJECT NO:	DRAWING NO: E800	REVISION:	T

*****DO NOT USE THIS DRAWING FOR CONSTRUCTION*****

726925.07m



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SCALE: 1:500	DATE: 10 November 2025
CALCULATION: Horizontal Illuminance (lux)	