



**NOTES**

- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- PUBLIC LIGHTING INSTALLATION TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH KILDARE COUNTY COUNCIL'S STREET LIGHTING TECHNICAL SPECIFICATION.
- FINAL LOCATION OF MICROPIILLARS & DUCTS TO BE AGREED WITH COUNCIL & ESB SUPERVISOR PRIOR TO INSTALLATION.
- PROVIDE FOR CONTINUOUS 10mm PP DRAW ROPE SECURED AT BOTH ENDS IN THE DUCT.
- PROVIDE A COMPLETION CERTIFICATE FOR THE PUBLIC LIGHTING SYSTEM.
- PROVIDE 2m SEPARATION BETWEEN ESB MINIPILLAR & PL MICROPIILLAR or PL COLUMN.
- ALL LIGHTING COLUMNS TO BE POSITIONED AT REAR OF FOOTPATH OR SET BACK 800mm CLEAR OF ROAD EDGE KERB.
- LUMINAIRES SHALL BE PRE-WIRED WITH 6m OF 2.5mm<sup>2</sup> 3 core ARTIC FLEX.
- PUBLIC LIGHTING CIRCUITS TO BE WIRED IN 6mm<sup>2</sup> XLPE/SWA/PVC CABLES
- RCDs TO BE INSTALLED IN PUBLIC LIGHTING MICROPIILLARS
- LUMINAIRES SHALL BE SUPPLIED WITH 7-pin NEMA SOCKET AND A PHOTOCELL CONTROLLER AT 35/18 lux.
- COLUMNS LOCATED IN AREAS WITH NO ACCESS FOR CHERRY PICKERS MUST BE HINGED COLUMNS TO FACILITATE MAINTENANCE.
- IN ORDER TO BENEFIT BATS, AS WELL AS OTHER FAUNA ACTIVE/RESTING AT NIGHT, THE DESIGN OF THE PUBLIC LIGHTING SCHEME HAS BEEN CARRIED-OUT TO MINIMISE LIGHT SPILLAGE AND NUISANCE/GLARE BY USING SHIELDED, DOWNWARD DIRECTED LIGHTING, USING NARROW SPECTRUM LIGHTING TYPES WITH NO UV & LUMINAIRE ACCESSORIES AND PROVIDING THE FACILITY FOR SWITCHING OFF ALL NON-ESSENTIAL LIGHTING DURING THE HOURS OF DARKNESS. IN ADDITION TO THE ABOVE, WE HAVE ADJUSTED THE SP RATIO FROM 1.5 TO 1.3, CHANGED THE COLOUR TEMPERATURE FROM 4000K TO 3000K, LANTERNS HAVE BEEN FITTED WITH BACK SHIELDS.
- HORIZONTAL ILLUMINANCE - "P4" RESULTS

Roads within site:	Access Road & Cycle Lane:
Eav= 4.43 lux	Eav= 5.50 lux
Emin= 1.54 lux	Emin= 1.12 lux
Emax= 12.12 lux	Emin/Eave= 53.02 lux
Emin/Eave= 0.13	Emin/Eave= 0.02
	Emin/Eave= 0.20

**PUBLIC LIGHTING LEGEND**

- 107mm HDPE ORANGE DUCTING TO IS135 CLASS B STANDARD PUBLIC LIGHTING DUCT WITH WARNING TAPE OVER (600mm MIN COVER & 750mm COVER IN ROAD CROSSING).
- 125mm DIAMETER ESB uPVC RED DUCTING DEDICATED FOR LOCAL LV CABLING WITH WARNING TAPE OVER DUCT (600mm MIN COVER & 750mm COVER IN ROAD CROSSING).
- 50mm DIAMETER FLEXIBLE DUCT OR HYDRODARE FROM PUBLIC LIGHTING COLUMN TO 107mm HDPE ORANGE DUCTING WITHIN 1 METRE OF PL FITTING
- EXTERNAL LIGHTING/TRAFFIC LIGHT MIDPILLAR
- 775x625mm INSPECTION CHAMBER. 'e'f MANUFACTURED FJ60145 TO EN124
- URBIS SCHREDER AXIA 2.1 5167 - 8 OLSON SQUARE GIANT 700mA WW T27, 19.7W, 230V WITH 434362 INTEGRATED LENSES c/w REAR LOUVRE, 3000K, 2380lm. CONTRACTOR TO PROVIDE FOR 6m HIGH FIXED COLUMN & BASE.
- THORN BOLLARD - TR B S 10L35 BPSW 730 RGB ASY CL1 MGR, 13W, 230V, 3000K, 990lm. ALL TYPE B BOLLARDS TO BE INSTALLED 1 METRE AWAY FROM CYCLE LANE
- URBIS SCHREDER AXIA 2.1 5167 - 16 OLSON SQUARE GIANT 400mA WW T27, 20.6W, 230V WITH 434362 INTEGRATED LENSES c/w REAR LOUVRE, 3000K. CONTRACTOR TO PROVIDE FOR 6m HIGH FIXED COLUMN & BASE.

**CIRCUITING SCHEMATIC**

CABLE SIZE: 6mm<sup>2</sup> 3 CORE XLPE/SWA/PVC

LP1	6A	5A	4A	3A	2A	1A
LP2	1C	14B	TO	1B		
LP3	7C	TO	3C	15B	16B	
LP4	8C	9C	28C	25C	27C	2C
LP5	24C	23C	22C	20C		
LP6	17C	TO	10C	18C	18C	

PL3	ISSUED FOR PLANNING	CL	KP	DC	18/08/2022
PL2	ISSUED FOR PLANNING	KP	KP	DC	03/04/2022
PL1	ISSUED FOR PLANNING	KP	KP	DC	24/11/2021
ISSUE	DESCRIPTION	DRN	ORIG	APP	DATE

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PROJECT **RESIDENTIAL DEVELOPMENT AT GLENCARRIG HAZELHATCH, CELBRIDGE, CO. KILDARE**

TITLE **SITE PLAN PUBLIC LIGHTING LAYOUT**

PROJECT No.	21014	DATE:	JUNE 2021
A1	SCALE 1:300	DRG No.	HZLH-MAE-XX-DR-E-6000

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