



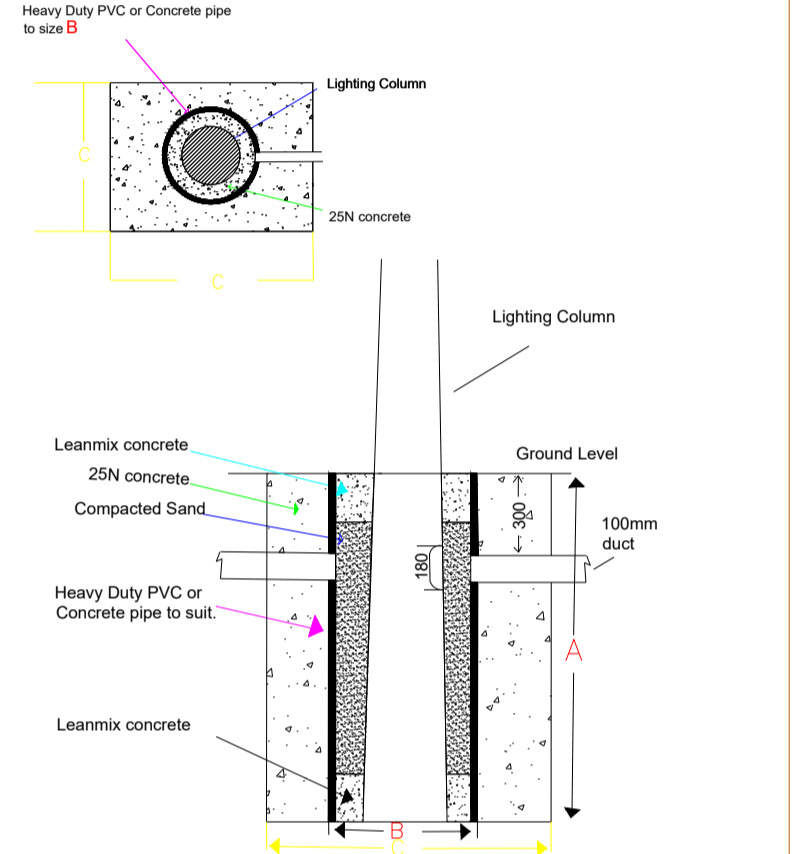
- Notes:**  
 All LED lanterns must have Constant Light Output (C.L.O.), Automatically dimmed to 75% each night from 12 midnight to 6am. All lanterns to have 7pin NEMA sockets fitted.  
 Electronic Photocells switched at 35/18lux  
 All columns, luminaires, cable and pillars, shall comply with Local Authority General Specification for Public Lighting.  
 No trees to be located within falling distance of P.L. columns.  
 Minimum set-back of columns is 800mm from face of kerb.  
 Public lighting cable chamber as per Local Authority P.L. Dept. specification.
- TYPE D COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degrees  
 COLUMN QUANTITY : 5  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 38  
 MAKE & MODEL : Urbis-Schneider - Axia 2.1-24 LED@490mA-WW-5166-Rear Louvres
- TYPE F COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degrees  
 COLUMN QUANTITY : 3  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 38  
 MAKE & MODEL : Urbis-Schneider - Axia 2.1-24 LED@490mA-WW-5167-Rear Louvres
- TYPE G COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degrees  
 COLUMN QUANTITY : 5  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 38  
 MAKE & MODEL : Urbis-Schneider - Axia 2.1-24 LED@490mA-WW-5165-Rear Louvres
- TYPE H COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 5 Degrees  
 COLUMN QUANTITY : 1  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 21  
 MAKE & MODEL : C.U.Phosco P852-12-F2-WW-CA0550
- Existing HID luminaires, estimated at 150 Watt

- TYPE A COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 8 Degrees  
 COLUMN QUANTITY : 43  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 21  
 MAKE & MODEL : C.U.Phosco P852-12-P4-WW-CA0550
- TYPE B COLUMN DETAILS**  
 HEIGHT : 5m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 8 Degrees  
 COLUMN QUANTITY : 8  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 9  
 MAKE & MODEL : C.U.Phosco P852-12-R3B-WW-CA0200

23kg NYC cable laid in ducting to ETO ET101 Single wall ducting, colour red to be used manufactured from high density polyethylene (H.D.P.E.), 107mm external diameter, having a wall thickness of 5mm. This ducting to have the words "Street Lighting" stamped on outer size every 1m intervals. The lettering to face upmost in the trench. All works to Local Authority specification. This is a circuit layout and not indicative of where ducts are to be laid.  
 Public Lighting Pillar (located at least 2m from ESB pillar)

Typical Base detail, to be checked by site engineers.

COLUMN MOUNTING HEIGHT	12m	10m	8m	6m
COLUMN ROOT DEPTH	1.8m	1.7m	1.5m	1.0m
CABLE ENTRY DEPTH	0.3m	0.3m	0.3m	0.3m
ROOTING CONCRETE DEPTH				
COLUMN DOOR HEIGHT	1.5m	1.5m	1.5m	1.5m
COLUMN SLEEVE SIZE(mm) internal	450	400	400	300
EXCAVATION (width x length)	1000	800	600	400



**NOTES**  
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NO ACCOUNT IS TAKEN FOR THE BLOCKING EFFECT CAUSED BY BUILDINGS, TREES ETC. THE CALCULATION SHOWN BY THIS DRAWING ASSUMES THAT THE WHOLE AREA BEING CONSIDERED IS IN THE SAME PLANE, I.E. THERE ARE NO CHANGES IN GRADIENT OR ELEVATION.

This drawing layout is based on calculated lighting levels, produced by Sabre Electrical Services Ltd., using Lighting Really software. Any alterations to the layout or luminaire type used for the lighting design calculations, will require a revised lighting design to be carried-out. A redesign may require approval from the Local Authority Public Lighting Dept. prior to any alterations/modifications being implemented on site.

**Sabre**  
 ELECTRICAL SERVICES LTD.  
 Specialist Contractors  
 PUBLIC LIGHTING - FLOOD LIGHTING - SPORTS LIGHTING

UNIT 11, BELLVUE INDUSTRIAL ESTATE, FINGLAS, DUBLIN 11.  
 E-MAIL: graham@sabrelighting.ie PH: 01-811 0875

?	GS	CHK	-----
F	Boundary line updated	AN	CHK 22-03-21
E	Boundary line updated	AN	CHK 10-03-21
D	Boundary Line updated	AN	CHK 01-12-20
C	Road columns reduced to 6m	AN	CHK 01-12-20
B	Columns relocated	AN	CHK 10-11-20
A	Road section to R760 junction added	AN	CHK 04-11-20
REV	DESCRIPTION	INTS	CHK'D DATE

CLIENT/CUSTOMER  
**Cairn Homes**

PROJECT  
**Enniskerry, Cookstown**

TITLE  
**Public Lighting Layout**

DRAWN  
 A.N SCALE 1:1000 @A1 DATE 27-10-20

DRAWING NUMBER  
 SES 15220 ISSUE 7

BASE DRAWING NUMBER

DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING