



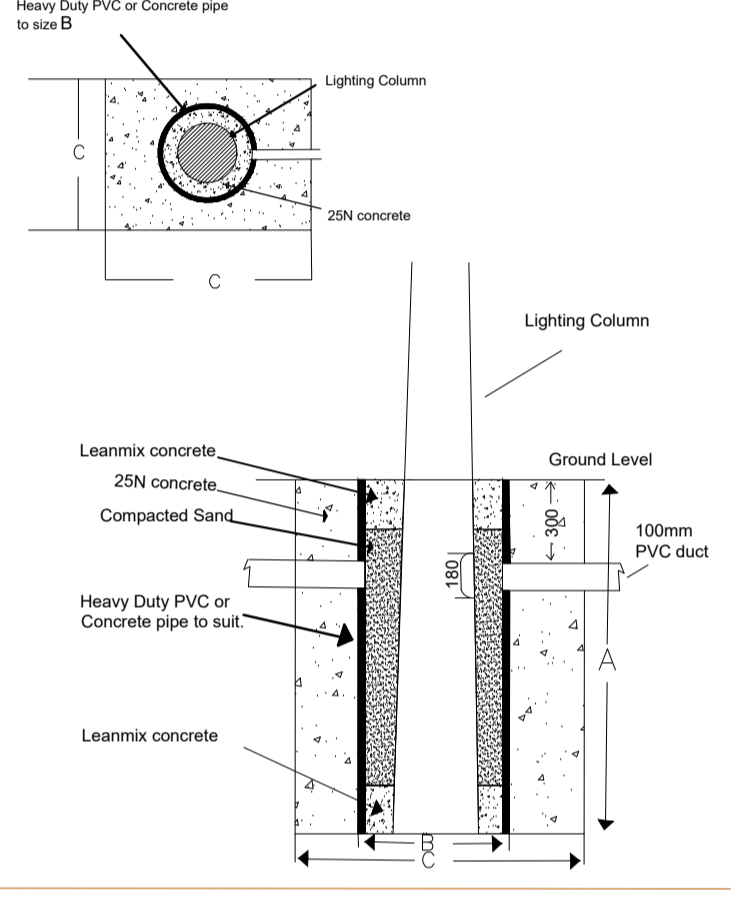
- TYPE 1 COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 5 Degree upflit
- LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 18w LED  
 MAKE & MODEL : C U Phosco P852-12-4W-R26
- TYPE 2 COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 5 Degree upflit
- LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 34w LED  
 MAKE & MODEL : C U Phosco P852-12-4W-F2
- TYPE 3 COLUMN DETAILS**  
 HEIGHT : 5m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degree upflit
- LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 40w LED  
 MAKE & MODEL : Philips Metropolis Torch
- TYPE 4 COLUMN DETAILS**  
 HEIGHT : 8m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 5 Degree upflit
- LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 100w HPS  
 MAKE & MODEL : C U Phosco P567-A-3

**Notes:**  
 All LED lanterns must have Constant Light Output (CLO), integrated electronic mini photocell. Automatically dimmed to 75% each night from 12 midnight to 6am.  
 Electronic photocells switched at 357lux  
 All columns, luminaires, cable and pillars, shall comply with DCC General Specification for Public Lighting.

300kg SWA cable laid in ducting to ET CI 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, letter size 8mm at 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 ES&B pillar)

Typical Base detail, to be checked by site engineers.

COLUMN MOUNTING HEIGHT	12m	10m	8m	6m
COLUMN ROOT DEPTH	1.9m	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**  
 THIS DRAWING IS THE INTELLECTUAL PROPERTY OF Sabre LIGHTING DESIGN DEPT. AND IS COPYRIGHT © AND CAN NOT BE USED WITHOUT PRIOR CONSENT.

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 Reality 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.



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

UNIT 11, BELLVUE INDUSTRIAL ESTATE, FINGLAS, DUBLIN 11. PH: 811 0875  
 E-MAIL: graham@sabrelighting.ie FAX: 864 4720

-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----

REV / DESCRIPTION INITS CHK'D DATE

CLIENT/CUSTOMER  
**Gerard Gannon Properties**

PROJECT  
**Clongriffin Master Plan**

TITLE  
**Public Lighting Layout**

DRAWN G.S SCALE 1:200@A1 DATE 11-4-19  
 DRAWING NUMBER SES 04419 ISSUE 1

BASE DRAWING NUMBER edit  
 DRAWING ORIGIN edit

DO NOT SCALE FROM THIS DRAWING

**NOTE:**  
 Public lighting infrastructure for blocks 17 and 29 is fully in place and operational on site.