



- TYPE C COLUMN DETAILS**
- HEIGHT : 5m ABACUS Raise & lower type
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 46
- LANTERN DETAILS**
- AVERAGE WATTAGE (CLO) : 17
 - MAKE & MODEL : C.U Phosco P852- 12-P4-NW-CB0400
- TYPE D COLUMN DETAILS**
- HEIGHT : 8m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 5 Degrees
 - COLUMN QUANTITY : 7
- LANTERN DETAILS**
- AVERAGE WATTAGE (CLO) : 37
 - MAKE & MODEL : C.U Phosco P863- 32-P4-NW-F0350
- TYPE E COLUMN DETAILS**
- HEIGHT : 10m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 5 Degrees
 - COLUMN QUANTITY : 9
- LANTERN DETAILS**
- AVERAGE WATTAGE (CLO) : 108
 - MAKE & MODEL : C.U Phosco P862- 64-P4-NW-F550
- TYPE F COLUMN DETAILS**
- HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 5 Degrees
 - COLUMN QUANTITY : 29
- LANTERN DETAILS**
- AVERAGE WATTAGE (CLO) : 29
 - MAKE & MODEL : C.U Phosco P852-24-S2 -NW-0400
- Existing HID Luminaire

Notes:

- All LED lanterns must have Constant Light Output (CLO). Automatically dimmed to 75% each night from 12 midnight to 6am.
- All lanterns to have Type 1 NEMA sockets fitted.
- Electronic Photocells switched at 35° Flux.
- All columns, luminaires, cables 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.

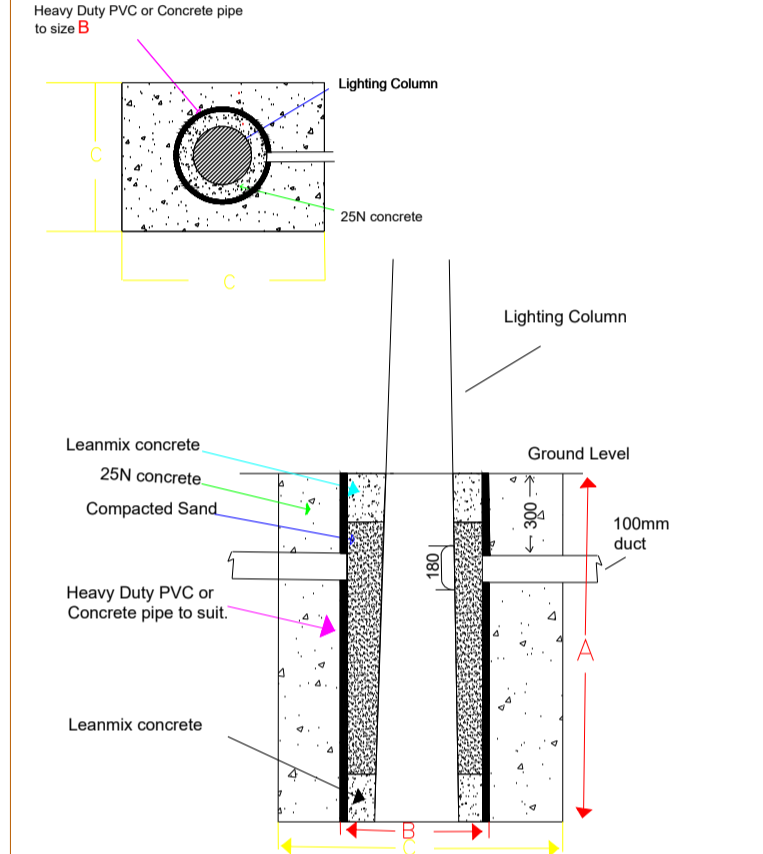
- TYPE A COLUMN DETAILS**
- HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 5 Degrees
 - COLUMN QUANTITY : 63
- LANTERN DETAILS**
- AVERAGE WATTAGE (CLO) : 17
 - MAKE & MODEL : C.U Phosco P852- 12-P4-NW-CB0400
- TYPE B COLUMN DETAILS**
- HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 5 Degrees
 - COLUMN QUANTITY : 4
- LANTERN DETAILS**
- AVERAGE WATTAGE (CLO) : 36
 - MAKE & MODEL : C.U Phosco P852-24-S1 -NW-0500

20kg NYCC cable laid in ducting to ETCI 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 upwards in the trench. All works to Local Authority specifications. This is a circular 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	1.5m	1.3m	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 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/adjustments 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

REV	DESCRIPTION	INTS	CHKD	DATE
7		GS	CHK	
F	Updated Site Layout	AN	CHK	30-09-20
E	Updated Site Layout	AN	CHK	28-09-20
D	Updated Site Layout	AN	CHK	08-09-20
C	Updated as per comments	AN	CHK	28-08-20
B	Column positions on top site updated	AN	CHK	24-08-20
A	Some column positions changed to in order to accommodate trees	AN	CHK	21-08-20

CLIENT/CUSTOMER
Castlethorn Construction Unlimited Company

PROJECT
Dunshaughlin Phase 2 SHD

TITLE
Public Lighting Layout

DRAWN
A.N

DRAWING NUMBER
SES 10220 Sheet 3

DRAWING ORIGIN
edit

DATE
19-08-20

ISSUE
7

DO NOT SCALE FROM THIS DRAWING