

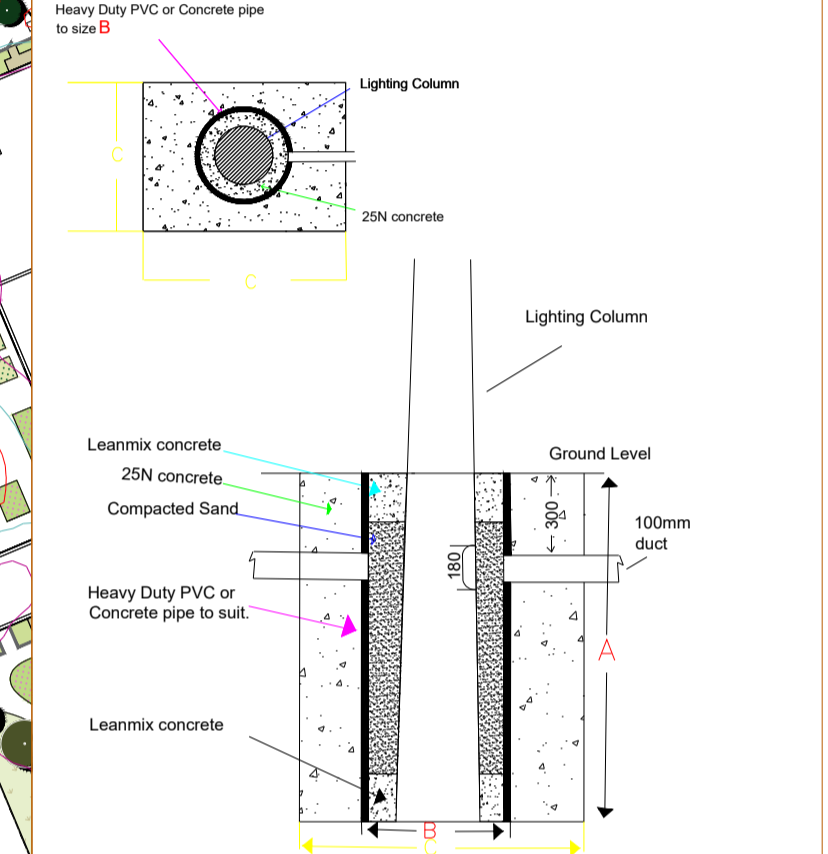
Notes:
 All LED lanterns must have Constant Light Output (C.L.O.).
 Automatically dimmed to 75% each night from 12 midnight to 5am.
 All lanterns to have 7pin NEMA sockets fitted.
 Electronic Photocells switched at 35/18lux.
 All columns, luminaires, cable and pillars, shall comply with Local Authority General Specification for Public Lighting.
 No trees to be located within falling distance of PL columns.
 Minimum set-back of columns is 800mm from face of walls.
 Public lighting cable chamber as per Local Authority PL Dept. specification.

- Luminaire A Column - 6m Qty 155
E950-28-P4A-740-C550-14W
- Luminaire B Column - 5m Raise & Lower Qty 50
E950-28-P4A-740-C350-10W
- Luminaire C Column 8m Qty 32
P863-128-R2E-740-W5-375-49W
- Luminaire D Column 8m Qty 4
P863-128-P3-740-W5-350-46W
- Luminaire E Column 5m Raise & Lower Qty 159
E950-28-R3A-740-C350-10W
- Luminaire F P863-128-R2E-740-W5-275-37W 6m Qty 2
- Luminaire G E950-28-F2A-740-C550-14W 6m Qty 14
- Luminaire N ALINEA Handrail 5121-3 LED 350mA WW Qty 10 modules

23kV NYC 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 either side every 4m intervals. The lettering to face upstream 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	1.9m	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)	1800	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 layout 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.
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?	GS	CHK	-----
?	GS	CHK	-----
E	Updated site layout	AN	CHK 27-06-22
D	Updated as per comments	AN	CHK 20-06-22
C	Revised site layout	AN	CHK 13-06-22
B	Client name revised	AN	CHK 12-11-21
A	New Client	AN	CHK 07-11-21
REV	DESCRIPTION	INTS	CHK'D DATE

CLIENT/CUSTOMER
 Alanna Homes Ltd & Alcove Ireland Four Ltd

PROJECT
 Barnhill Residential Development

TITLE
 Public Lighting Layout

DRAWN A.N	SCALE 1:1000 @A1	DATE 25/06/21
DRAWING NUMBER SES 09121 Sheet 1	ISSUE 6	

BASE DRAWING NUMBER
21154_LP_BT_G.dwg
 DRAWING ORIGIN
Gannon + Associates Landscape Architecture
 DO NOT SCALE FROM THIS DRAWING

- Luminaire O E950-28-P4A-727-SA0550-24W 5m Raise and lower Qty 11
- Luminaire O E950-28-P4A-727-SA0550-24W 5m Raise and lower Qty 1 (2 luminaires)
- Luminaire P TECEO GEN2 1 5121 Flat Glass 24 LED@300mA WW 730 8m- 6m feature column Qty 5 (3 luminaires per column)
- Luminaire Q TECEO GEN2 1 5119 Flat Glass 16 LED@300mA WW 730 5m Raise & Lower Qty 6
- Luminaire R E950-28-A2A-730-C350-10W 5m Raise & Lower Qty 8
- Luminaire R E950-28-A2A-730-C350-10W 5m Raise & Lower Qty 1 (2 luminaires)

