

— 0.25 lux  
— 0.5 lux  
— 1.0 lux  
— 3.0 lux  
— 5.0 lux

○ Beam Aiming Target  
 □ Photometric Centre

Notes:  
 All LED luminaires must have Constant Light Output (CLO).  
 Automatically dimmed to 75% each night from 12 message to 6am.  
 (U14 Profile)  
 All luminaires to have 7pin NEMA sockets fitted.  
 Electronic PhotoCells switched at 30:18lux  
 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.

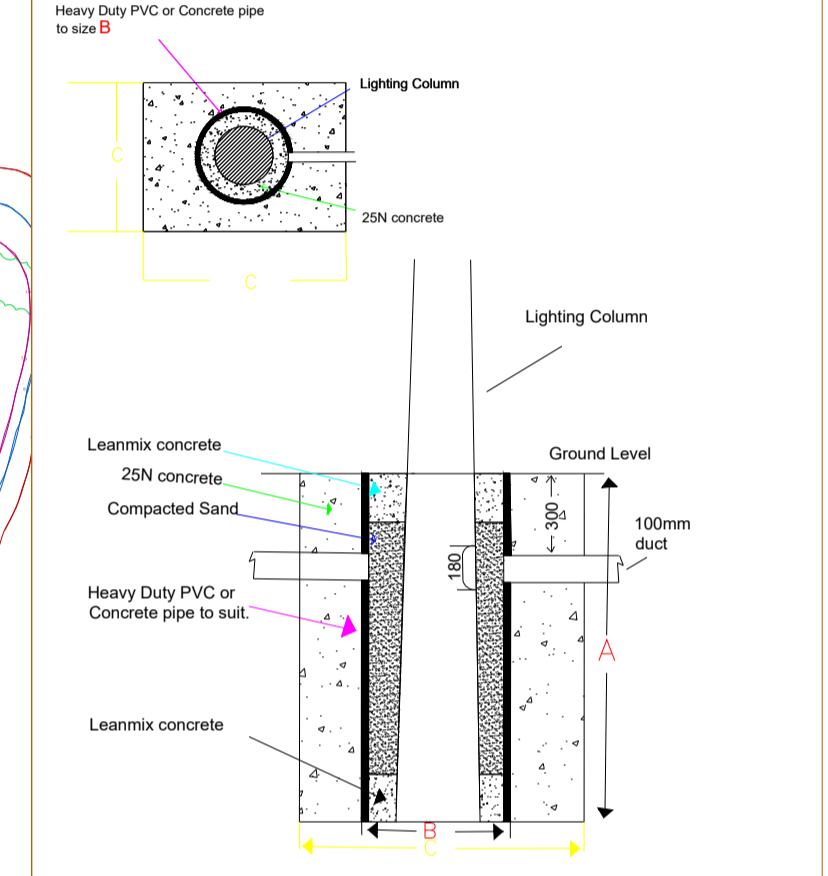
2X16sq NYCCY cable laid in ducting to I.S. 10101:2020.  
 Single wall ducting, colour red to be used.  
 Manufactured from high density polyethylene (H.D.P.E.),  
 107mm external diameter, having a wall thickness of 5mm.  
 This ducting to have the words "Street Lighting" stamped on,  
 letter size 9mm at 1m intervals. The lettering to face uppermost  
 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)

- Luminaire A E950-28-P4A-727-C650-17W  
6m mounting height
- Luminaire B AXIA 2.2 5166 iRear louvers 48 @300mA WW 727  
8m mounting height
- Luminaire C AXIA 2.2 5167 Rear louvers 48 @600mA WW 727  
8m mounting height
- Luminaire D E950-28-P4A-727-C250-8W  
5m mounting height, raise & lower column
- Luminaire E E950-28-F2A-727-C600-16W  
6m mounting height
- Luminaire F E951-64-H1-G-727-W5-0450-40W  
8m mounting height
- Luminaire G E951-64-H1-G-727-W5-1025-90W  
10m mounting height
- Luminaire H E950-28-F2A-727-C600-16W  
5m mounting height, raise & lower column
- Luminaire I AXIA 2.1 5165 Rear louvers 16 @300mA WW 727  
5m mounting height, raise & lower column
- Luminaire J AXIA 2.1 5165 Rear louvers 8 @300mA WW 727  
5m mounting height, raise & lower column

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  
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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

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-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
C	Updated site layout	AN	CHK	14-06-22
B	Updated site layout	AN	CHK	02-06-22
A	Updated site layout	AN	CHK	01-06-22
REV	DESCRIPTION	INTS	CHK'D	DATE

CLIENT/CUSTOMER  
**Waterman Moylan**

PROJECT  
**Ballyoulster**

TITLE  
**Public Lighting Layout**

DRAWN G.S.	SCALE 1:750@A1	DATE 04-11-21
DRAWING NUMBER SES 15921 Sheet 2 of 2	ISSUE 4	
BASE DRAWING NUMBER Ballyoulster-BSLA-rev14.dwg		
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DO NOT SCALE FROM THIS DRAWING		