

Notes:
 All LED lanterns must have Constant Light Output (CLO).
 Automatically dimmed to 70% each night from 12 midnight to 6am (U14 Profile).
 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 cables to be installed as per Local Authority P.L. Dept. specification.

Volt drop calculation for the most onerous circuit

ESS SUPPLY	SOURCE PILLAR	CIRCUIT	DESIGN CURRENT (Amps per Phase)	CABLE SIZE (sq.mm.)	CABLE LENGTH (m)	FUSE (Amps)	VOLT DROP (Volts)
S1	NP1	MAN	1.69	20mm ²	200	16	1.81
S2	NP1	1.1				10	

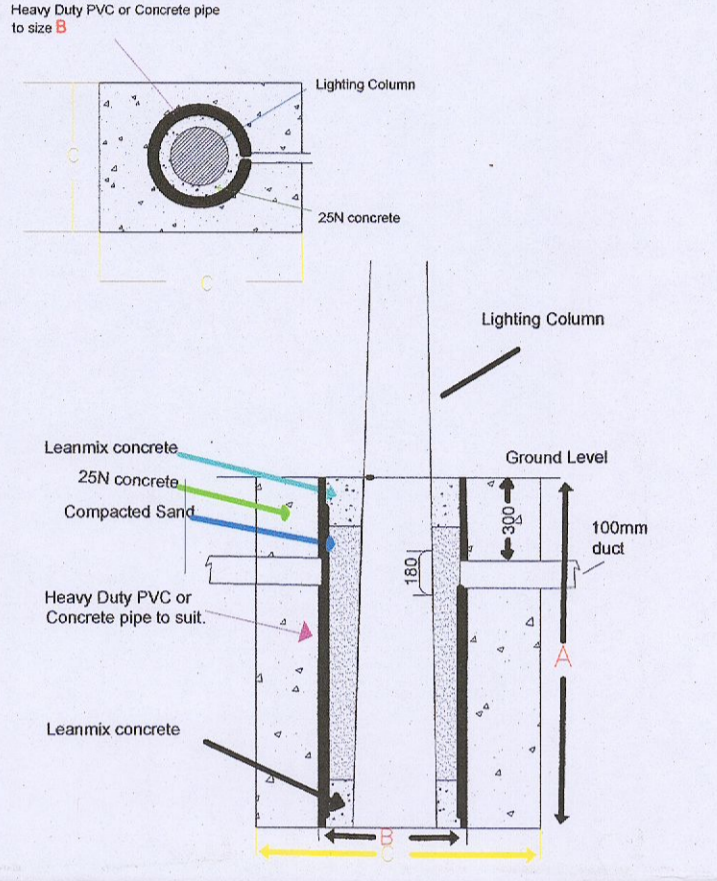
NORTH

- TYPE A COLUMN DETAILS**
 - HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 44
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 17w LED
 - MAKE & MODEL : C.U.Phosco P852-12-P4-NW-CB0400
- TYPE B COLUMN DETAILS**
 - HEIGHT : 6m ABACUS Raise & lower type
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 12
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 9w LED
 - MAKE & MODEL : C.U.Phosco P852-12-R3B-NW-CB0200
- TYPE D COLUMN DETAILS**
 - HEIGHT : 10m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
- LANTERN DETAILS**
 - AVERAGE WATTAGE (CLO) : 64w LED
 - MAKE & MODEL : C.U.Phosco P862-256-P4-W5-0250

20sq NYCC cable laid in ducting to I.S. 10101:2020. Single wall during, colour red to be used manufactured from high density polyethylene (HD 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 upwards 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 ESS pillar)

Typical Base detail, to be checked by site engineers.

COLUMN MOUNTING HEIGHT	12m	10m	6m	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	B 400	400	400	300
EXCAVATION (width x length)	1000	600	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.

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
- ?		GS	CHK	
- ?		GS	CHK	
- ?		GS	CHK	
- ?		GS	CHK	
- ?		GS	CHK	
B	Latest site layout used, redesigned to suit.	GS	CHK	15-03-23
A	Latest site layout used	GS	CHK	20-01-23

CLIENT/CUSTOMER
Quintain Ireland

PROJECT
Aderrig Phase 3

TITLE
Public Lighting Layout

DRAWN G.S.	SCALE 1:1000@a1	DATE 30-09-22
DRAWING NUMBER SES 14322	ISSUE 3	
BASE DRAWING NUMBER edit	DRAWING ORIGIN edit	

DO NOT SCALE FROM THIS DRAWING

Parking along Celbridge Link Road previously permitted under Reg. Ref. SDZ17A/0009. No changes proposed under current application.

Parking along Celbridge Link Road previously permitted under Reg. Ref. SDZ17A/0009. No changes proposed under current application.

Application includes proposed amendments to parking along Adamstown Way previously permitted under Reg. Ref. SDZ06A/5. This street now includes 2no. accessible parking spaces, 6no. charging spaces, & services infrastructure for future provision of EV charging to the remaining spaces.

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