SEE Drawing 7059_303

0.5 lux
1.0 lux
3.0 lux
5.0 lux

Notes:
All LED lanterns must have Constant Light Output (CLO). Automatically dimmed to 75% 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 cable chamber as per Local Authority P/L Dept. specification.

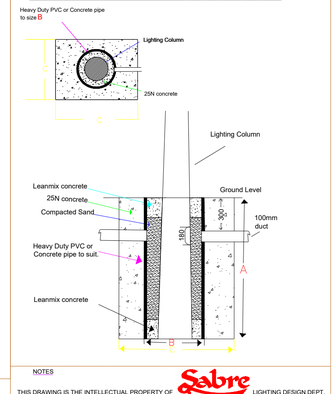
NORTH

- Luminaire A E950-28-P4A-730-C650-17W 6m Column. Qty 7.
- Luminaire E E950-28-F2A-730-RB-C0650-16W 6m Column. Qty 1. Right side shield.
- Luminaire G ALINEA Handrail 5117 - 6 LED 350mA 730 Qty 4 modules.
- Luminaire K Chelsea SCL 12-400mA 730 - 16 Watt Dimmed 50% 4m Raise & Lower Column. Qty 5.
- Luminaire L E950-28-P4A-822-B2-A0350-9W 5m Raise & Lower Column. Qty 2.
- Luminaire P Chelsea SymA 12-300mA 730 12 Watt 4m Raise & Lower Column. Qty 1.
- Luminaire Q Chelsea SCL 12-300mA 730 12 Watt Dimmed 50% 4m Raise & Lower Column. Qty 2.
- Luminaire R P863-128-R2E-730-BB-W3-200-28W 8m Column. Qty 10.
- Luminaire S P863-128-F2-730-BB-W3-200-28W 8m Column. Qty 12.
- Luminaire D P863-128-R2E-740-W5-475-62W Existing approved LED luminaire.
- Luminaire H P863-128-A2-4x4-740-SF-0350-65W Existing approved LED luminaire.
- Luminaire J HESTIA GEN2 MIDI 5304 60 LEDs@550mA 730 230V Existing approved LED luminaire.
- Luminaire O E950-28-R3A-822-B2-A0350-9W Existing approved LED luminaire.

2X6sq NYCY 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)

Typical Base detail, to be checked by site engineers.

		12m	10m	8m	6m
COLUMN MOUNTING HEIGHT					
COLUMN ROOT DEPTH	A	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	450	400	400	300
EXCAVATION (width x length)	C	1000	800	600	400



NOTES

THIS DRAWING IS THE INTELLECTUAL PROPERTY OF Sabre LIGHTING DESIGN DEPT. AND IS COPYWRIGHT (C) 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	INITS	CHKD	DATE
		AN	CHK	
		AN	CHK	
		AN	CHK	
		AN	CHK	
		AN	CHK	
B	Column locations and heights updated to maximize tree retention	AN	CHK	13-05-26
A	Updated site layout	AN	CHK	13-05-26

CLIENT/CUSTOMER
Aeval Unlimited Company

PROJECT
Woodbrook Dart Gateway

TITLE
Public Lighting Layout

DRAWN	SCALE	DATE
A.M	1:500@A1	18-01-26

DRAWING NUMBER	ISSUE
SES 00926	3

BASE DRAWING NUMBER

DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING