



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 7pin NEMA sockets fitted.  
 Electronic Photocontrols 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 kerb.  
 Public lighting cable chamber as per Local Authority PL Dept. specification.

1.0 lux  
 3.0 lux  
 5.0 lux

Luminaire J Existing HID luminaire estimated as 150 Watt HPS  
 10m Mounting height.

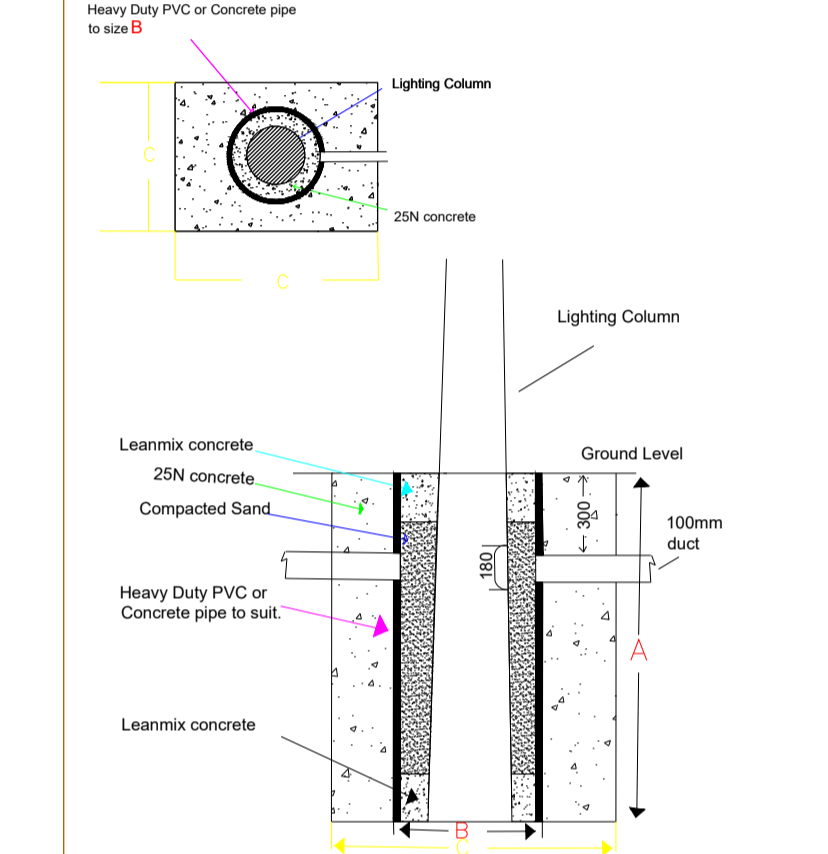
NORTH

- Luminaire A P863-128-R2E-730-W3-425-55W  
8m Mounting height. Qty 23
- Luminaire B E950-28-P4A-730-C550-14W  
6m Mounting height. Qty 81
- Luminaire C E950-28-P4A-730-C250-8W  
5m Mounting height Raise & Lower. Qty 23
- Luminaire D E950-28-F2A-730-C600-16W  
6m Mounting height. Qty 15
- Luminaire E P862-256-R2E-730-W3-425-107W  
10m Mounting height. Qty 10
- Luminaire F P863-128-R4-730-W3-300-40W  
8m Mounting height. Qty 24
- Luminaire G P862-256-R2E-730-W3-300-76W  
10m Mounting height. Qty 5
- Luminaire H P863-128-F2B-730-W3-300-40W  
8m Mounting height. Qty 1
- Luminaire I E950-28-P4A-822-BB-A0500-13W  
5m Mounting height Raise & Lower. Qty 46

20kV 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 outer size lines at 1m intervals. The lettering to face upmost 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)	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

UNIT 11, BELLVUE INDUSTRIAL ESTATE, FINGLAS, DUBLIN 11.  
 E-MAIL: graham@sabrelighting.ie PH: 01-811 0875

-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
B	Updated boundary line and existing luminaires HPS added	AN	CHK	17-08-22
A	Updated site layout	AN	CHK	15-08-22
REV	DESCRIPTION	INTS	CHK'D	DATE

CLIENT/CUSTOMER  
**Sky Castle Ltd.**

PROJECT  
**Site C – Strategic Housing Development**

TITLE  
**Public Lighting Layout**

DRAWN  
 A.N

SCALE  
 1:1000 @A1

DATE  
 27-01-22

DRAWING NUMBER  
 SES 01222 Sheet 2

ISSUE  
 3

BASE DRAWING NUMBER  
 21006 PHASE 1A RESIDENTIAL\_SITE\_PLAN\_040822\_adjusted redline.dwg

DRAWING ORIGIN  
 edit

DO NOT SCALE FROM THIS DRAWING