

SITE PLAN

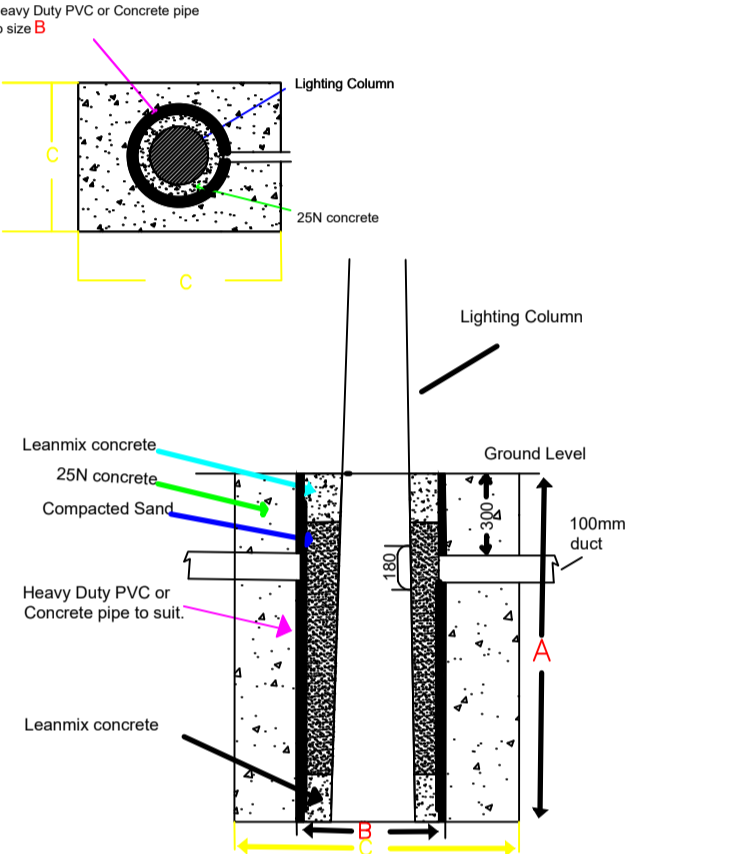
Notes:
 All LED lanterns must have Constant Light Output (CLO).
 Automatically dimmed to 75% each night from 12 midnight to 6am.
 All lanterns to have 7pin NEMA sockets fitted.
 Electronic Photocells switched at 30V flux.
 All columns, luminaires, cable and pillars, shall comply with Local Authority 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.

TYPE A COLUMN DETAILS	
HEIGHT	: 6m
BRACKET LENGTH	: Post-top
INCLINATION	: 5 Degrees
COLUMN QUANTITY	: 78
LANTERN DETAILS	
AVERAGE WATTAGE (CLO)	: 21
MAKE & MODEL	: C.U.Phosco P852-12 -F4-NW-CB0550
TYPE B COLUMN DETAILS	
HEIGHT	: 5m ABACUS Raise & lower type
BRACKET LENGTH	: Post-top
INCLINATION	: 0 Degrees
COLUMN QUANTITY	: 28
LANTERN DETAILS	
AVERAGE WATTAGE (CLO)	: 9
MAKE & MODEL	: C.U.Phosco P852-12-F4-NW-CB0200
TYPE E COLUMN DETAILS	
HEIGHT	: 6m
BRACKET LENGTH	: Post-top
INCLINATION	: 5 Degrees
COLUMN QUANTITY	: 10
LANTERN DETAILS	
AVERAGE WATTAGE (CLO)	: 18
MAKE & MODEL	: C.U.Phosco P852-12 -F2-NW-CB0450

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 outer size every 1m intervals. The lettering to face up 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	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
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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 design 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
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 Specialist Contractors
 PUBLIC LIGHTING - FLOOD LIGHTING - SPORTS LIGHTING

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REV	DESCRIPTION	INTS	CHK'D	DATE
-	?	GS	CHK	-----
-	?	GS	CHK	-----
E	Updated as per comments	AN	CHK	13-04-22
D	Updated site layout	AN	CHK	12-04-22
C	Updated layout.	AN	CHK	16-02-21
B	Site boundary updated	AN	CHK	20-11-20
A	Revised Site Layout	AN	CHK	05-11-20

CLIENT/CUSTOMER
Birchwell Developments

PROJECT
Broomfield, Malahide

TITLE
Public Lighting Layout

DRAWN A.N	SCALE 1:1000 @A1	DATE 22-10-20
DRAWING NUMBER SES 14620	ISSUE 6	

BASE DRAWING NUMBER
0389_Landscape Masterplan_Lighting overlay.dwg

DRAWING ORIGIN
KFLA

DO NOT SCALE FROM THIS DRAWING

