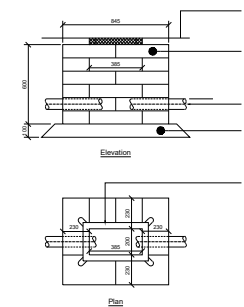


Notes:
All LED lanterns must have Constant Light Output (CLO).
Automatically dimmed to 75% each night from 12 midnight to 6am.
All lanterns to have 7pin NEMA sockets fitted.
Electronic Photocells switched at 35/18lux
All columns, luminaires, cable and pillars, shall comply with Local Authority
General Specification for Public Lighting.
No trees to be located within falling distance of P/L columns.
Minimum set-back of columns to 800mm from face of kerb.

Dublin City Council Street Lighting JB1
Cable Chamber Detail
Not to Scale



TYPE D COLUMN DETAILS

HEIGHT : 5m ABACUS Raise & Lower type
BRACKET LENGTH : Post-top
INCLINATION : 0 degree uplit
COLUMN QUANTITY : 17
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 12w LED
MAKE & MODEL : Acropire-Chelsea - T2-12-300mA-NW

TYPE A1 COLUMN DETAILS

HEIGHT : 6m (Existing Columns)
BRACKET LENGTH : 0.3m Twin arm stub bracket
INCLINATION : 0 Degree uplit
COLUMN QUANTITY : 5
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 9w
C U Phosco P852-12-F2-NW-CB0750 (existing)
C U Phosco P852K-12-RUB-NW-CB0200

TYPE E COLUMN DETAILS

HEIGHT : 1m
BRACKET LENGTH : N/A
INCLINATION : 0 Degree uplit
COLUMN QUANTITY : 0
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 3w per module
MAKE & MODEL : Alinea Handrail - S117-3 LED @350mA - WW - 730

TYPE F COLUMN DETAILS

HEIGHT : 1m
BRACKET LENGTH : N/A
INCLINATION : 0 Degree uplit
COLUMN QUANTITY : 0
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 3w per module
MAKE & MODEL : Alinea Handrail - S121-3 LED @350mA - WW - 730

TYPE H COLUMN DETAILS

HEIGHT : 5m ABACUS Raise & Lower type
BRACKET LENGTH : 0.5m bracket
INCLINATION : 0 degree uplit
COLUMN QUANTITY : 3
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 15w LED
MAKE & MODEL : C U Phosco -E950-28-S-12-NW

TYPE H COLUMN DETAILS

HEIGHT : 5m ABACUS Raise & Lower type
BRACKET LENGTH : Post-top
INCLINATION : 0 degree uplit
COLUMN QUANTITY : 3
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 12w LED
MAKE & MODEL : Acropire-Chelsea - T4-12-300mA-NW

Existing luminaire estimated as 135 Watt SOX

TYPE A COLUMN DETAILS

HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degree uplit
COLUMN QUANTITY : 1
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 29w
MAKE & MODEL : C U Phosco P852K-12-F2-NW-CB0750

TYPE B COLUMN DETAILS

HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 degree uplit
COLUMN QUANTITY : 7
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 20w
MAKE & MODEL : C U Phosco P852K-12-P4-NW-CB0900

3X6sq SWA cable laid in during to I.S.10101:2020.

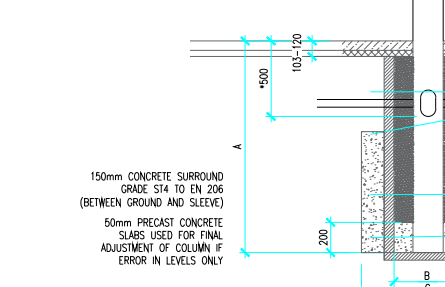
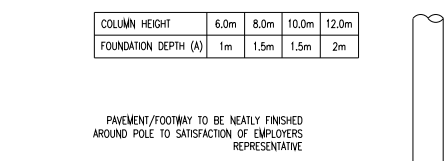
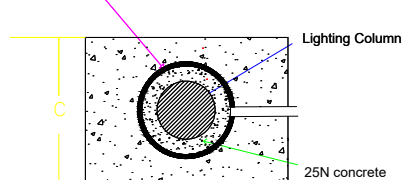
Single wall ducting, colour red to be used.
manufactured from high density polyethylene (H.D.P.E.),
107mm external diameter, having a wall thickness of 5mm.
This ducting to have the words "Sheet Lighting" stamped on,
letter size 3mm at 1m intervals. The lettering to face up/down
in the trench. All works 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

Heavy Duty PVC or Concrete pipe
to view B



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
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

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PH: 01-811 0875

- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----
C Updated site layout.	AN	CHK	19/03/24
B Updated site layout	AN	CHK	13/07/21
A Site access junction added	AN	CHK	10/06/21
REV DESCRIPTION	INTS	CHKD	DATE

CLIENT/CUSTOMER

Dwyer Nolan Developments

PROJECT

Heiton Buckley Yard, Santry.

TITLE

Public Lighting Layout

DRAWN G.S & A.N	SCALE 1:500@A1	DATE 4-05-21
DRAWING NUMBER SES 07021	ISSUE 4	

BASE DRAWING NUMBER

DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING