

Note:
 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.
 General Specification for Public Lighting:
 Electronic Photocells switched at 35/18lux
 All columns, luminaires, cable and pillars, shall comply with Local Authority
 Minimum setback of columns is 500mm from face of kerb.
 No trees to be located within falling distance of PL.
 Minimum setback of columns is 500mm from face of kerb.



TYPE D COLUMN DETAILS
 HEIGHT : 5m
 BRACKET LENGTH : 5m
 INCLINATION : 0 Degree up tilt
 COLUMN QUANTITY : 9
LANTERN DETAILS
 AVERAGE WATTAGE (CLO) : 20w LED
 MAKE & MODEL : URBIS Flexia Top - 5303 20 LED @ 300mA - WW 730

TYPE A COLUMN DETAILS
 HEIGHT : 6m (Existing Columns)
 BRACKET LENGTH : 0.3m Twin arm stub bracket
 INCLINATION : 0 Degree up tilt
 COLUMN QUANTITY : 5
LANTERN DETAILS
 AVERAGE WATTAGE (CLO) : 0w
 MAKE & MODEL : C.U. Phosco P852-12-F2-NW-CB0750 (existing)
 C.U. Phosco P852-12-F2-NW-CB0200

TYPE E COLUMN DETAILS
 HEIGHT : 1m
 BRACKET LENGTH : N/A
 INCLINATION : 0 Degree up tilt
 COLUMN QUANTITY : 0
LANTERN DETAILS
 AVERAGE WATTAGE (CLO) : 3w per module
 MAKE & MODEL : Alinea Handrail - 5117-3 LED @350mA - WW - 730

TYPE F COLUMN DETAILS
 HEIGHT : 1m
 BRACKET LENGTH : N/A
 INCLINATION : 0 Degree up tilt
 COLUMN QUANTITY : 0
LANTERN DETAILS
 AVERAGE WATTAGE (CLO) : 3w per module
 MAKE & MODEL : Alinea Handrail - 5121-3 LED @350mA - WW - 730

Existing luminaire estimated as 135 Watt SOX

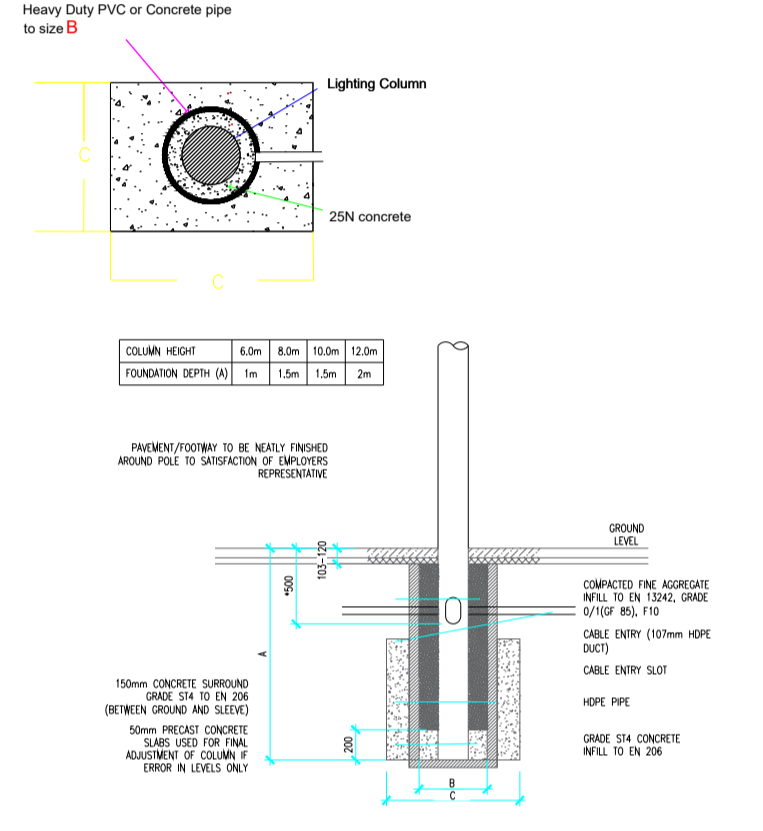
TYPE A COLUMN DETAILS
 HEIGHT : 6m
 BRACKET LENGTH : Post-top
 INCLINATION : 0 Degree up tilt
 COLUMN QUANTITY : 1
LANTERN DETAILS
 AVERAGE WATTAGE (CLO) : 20w
 MAKE & MODEL : C.U. Phosco P852-12-F2-NW-CB0750

TYPE B COLUMN DETAILS
 HEIGHT : 6m
 BRACKET LENGTH : Post-top
 INCLINATION : 0 Degree up tilt
 COLUMN QUANTITY : 5
LANTERN DETAILS
 AVERAGE WATTAGE (CLO) : 20w
 MAKE & MODEL : C.U. Phosco P852-12-F4-F050

3Xing SWA 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 three 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	1.8m	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 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 design 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	CHK'D	DATE
- ?		GS	CHK	-----
- ?		GS	CHK	-----
- ?		GS	CHK	-----
- ?		GS	CHK	-----
- ?		GS	CHK	-----
B	Updated site layout	AN	CHK	13/07/21
A	Site access junction added	AN	CHK	10/06/21

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 : 3

BASE DRAWING NUMBER :
 DRAWING ORIGIN :
 DO NOT SCALE FROM THIS DRAWING

