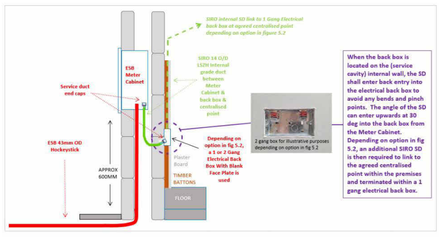
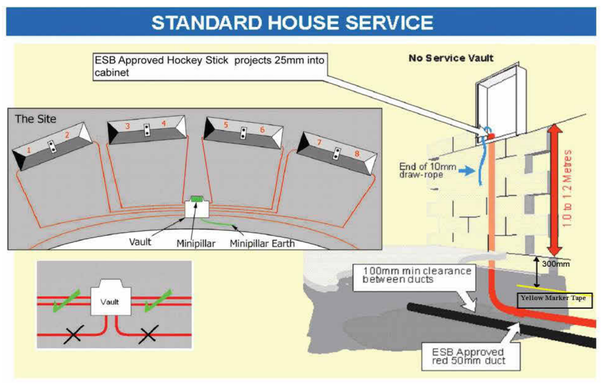
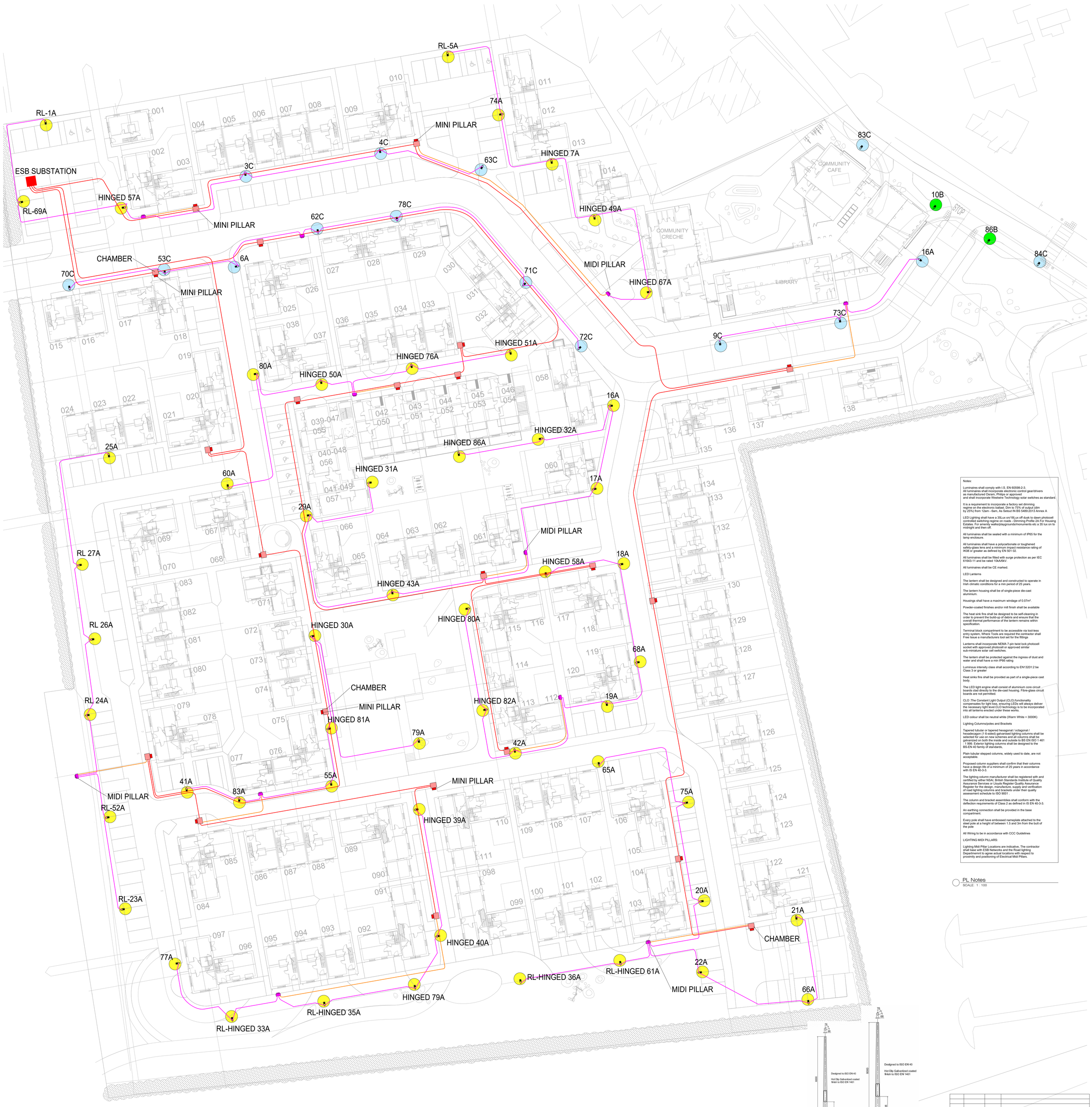
DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.





NOTE: ENTIRE LAYOUT TO BE AGREED WITH ESB



1 L00
SCALE: 1 : 300

Notes:

Luminaires shall comply with I.S. EN 60598-2-3.
All luminaires shall incorporate electronic control gear/drivers as manufactured Osram, Philips or approved and shall incorporate Westwire Technology solar switches as standard.

It is a requirement to incorporate a factory set dimming regime on the electronic ballast. Dim to 75% of output (dim by 25%) from 12am - 6am, As Setout IN BS 5489:2013 Annex A

LED Lighting shall have a 35Lux on/18Lux off dusk to dawn photocell controlled switching regime on roads - Dimming Profile 2A For Housing Estates. For amenity walks/playgrounds/monuments etc a 35 lux on to midnight and then off.

All luminaires shall be sealed with a minimum of IP65 for the lamp enclosure.

All luminaires shall have a polycarbonate or toughened safety-glass lens and a minimum impact resistance rating of IK08 or greater as defined by EN 501 02.

All luminaires shall be fitted with surge protection as per IEC 61643-11 and be rated 10kA/6kV.

All luminaires shall be CE marked.

LED Lanterns

The lantern shall be designed and constructed to operate in Irish climatic conditions for a min period of 25 years.

The lantern housing shall be of single-piece die-cast aluminium.

Housings shall have a maximum windage of 0.07m².

Powder-coated finishes and/or mill finish shall be available

The heat sink fins shall be designed to be self-cleaning in order to prevent the build-up of debris and ensure that the overall thermal performance of the lantern remains within specification.

Terminal block compartment to be accessible via tool-less entry system, Where Tools are required the contractor shall Free Issue a manufacturers tool set for the fittings

Lanterns shall incorporate NEMA 7-pin twist lock photocell socket with approved photocell or approved similar sub-miniature solar cell switches.

The lantern shall be protected against the ingress of dust and water and shall have a min IP66 rating

Luminous intensity class shall according to EN13201:2 be Class 3 or greater

Heat sinks fins shall be provided as part of a single-piece cast body.

The LED light engine shall consist of aluminium core circuit boards clad directly to the die-cast housing. Fibre-glass circuit boards are not permitted.

CLO :The Constant Light Output (CLO) functionality compensates for light loss, ensuring LEDs will always deliver the necessary light level.CLO technology is to be incorporated into all lanterns erected under these works.

LED colour shall be neutral white (Warm White = 3000K)

Lighting Columns/poles and Brackets

Tapered tubular or tapered hexagonal / octagonal / hexadecagon (1 6-sided) galvanised lighting columns shall be selected for use on new schemes and all columns shall be galvanized on both the inside and outside to BS EN ISO 1 461 : 1 999. Exterior lighting columns shall be designed to the BS-EN 40 family of standards,

Plain tubular stepped columns, widely used to date, are not acceptable.

Proposed column suppliers shall confirm that their columns have a design life of a minimum of 25 years in accordance with IS EN 40-3-3.

The lighting column manufacturer shall be registered with and certified by either NSAI, British Standards Institute of Quality Assurance Services or Lloyds Register Quality Assurance Register for the design, manufacture, supply and verification of road lighting columns and brackets under their quality assessment schedule to ISO 9001 .

The column and bracket assemblies shall conform with the deflection requirements of Class 2 as defined in IS EN 40-3-3.

An earthing connection shall be provided in the base compartment.

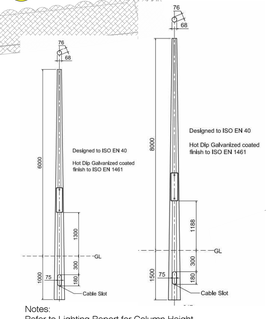
Every pole shall have embossed nameplate attached to the steel pole at a height of between 1.5 and 3m from the butt of the pole

All Wiring to be in accordance with CCC Guidelines

LIGHTING MIDI PILLARS:

Lighting Midi Pillar Locations are indicative, The contractor shall liase with ESB Networks and the Road lighting Departmernt to agree actual locations with respect to proximity and positioning of Electrical Midi Pillars.

PL Notes
SCALE: 1 : 100



Notes:
Refer to Lighting Report for Column Height
Contractor to ensure Light Fitting and Pole Top Spigot are the same size
Adapters Not Accepted
Columns to be CE approved
Hinged Columns to Be Supplied where noted on Layout

MINI PILLAR

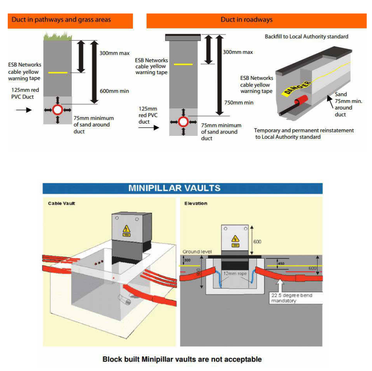
MIDI PILLAR

ESB 125mm RED DUCT

ESB 50mm RED DUCT

100mm PUBLIC LIGHTING DUCT

Legend
SCALE: 1 : 100



PL Typical Duct Details
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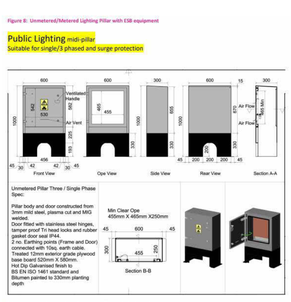

A pillar box for Public Lighting should contain the following;

1. A 0.6 modular box
2. A main switch fuse or mbc 25-amp max
3. A surge protection unit
4. An mcb to supply one circuit only (you cannot double up on one mcb meaning you cannot have two circuits coming off one mcb)
5. A pillar must be earthed at all points (door, pillar ,main earth and circuits all bonded)

PL Typical Column Detail
SCALE: 1 : 100

REV	DATE	DRAWN	NOTES
P02	09/03/26		REVISION
P01	12/12/2025		ISSUED

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PROJECT: BLARNEY HOUSING

TITLE: SITE PLAN ELECTRICAL LAYOUT

DATE: 09/03/26	SCALE @ A0: As indicated	
DRAWN: RMG	APPROVED: MB	JOB NO: 1617
DISCIPLINE: M	DRAWING STATUS: S2	

PAS DWG NUMBER: 1617-MBA-00-00-DR-E-0001 | REV: P02

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