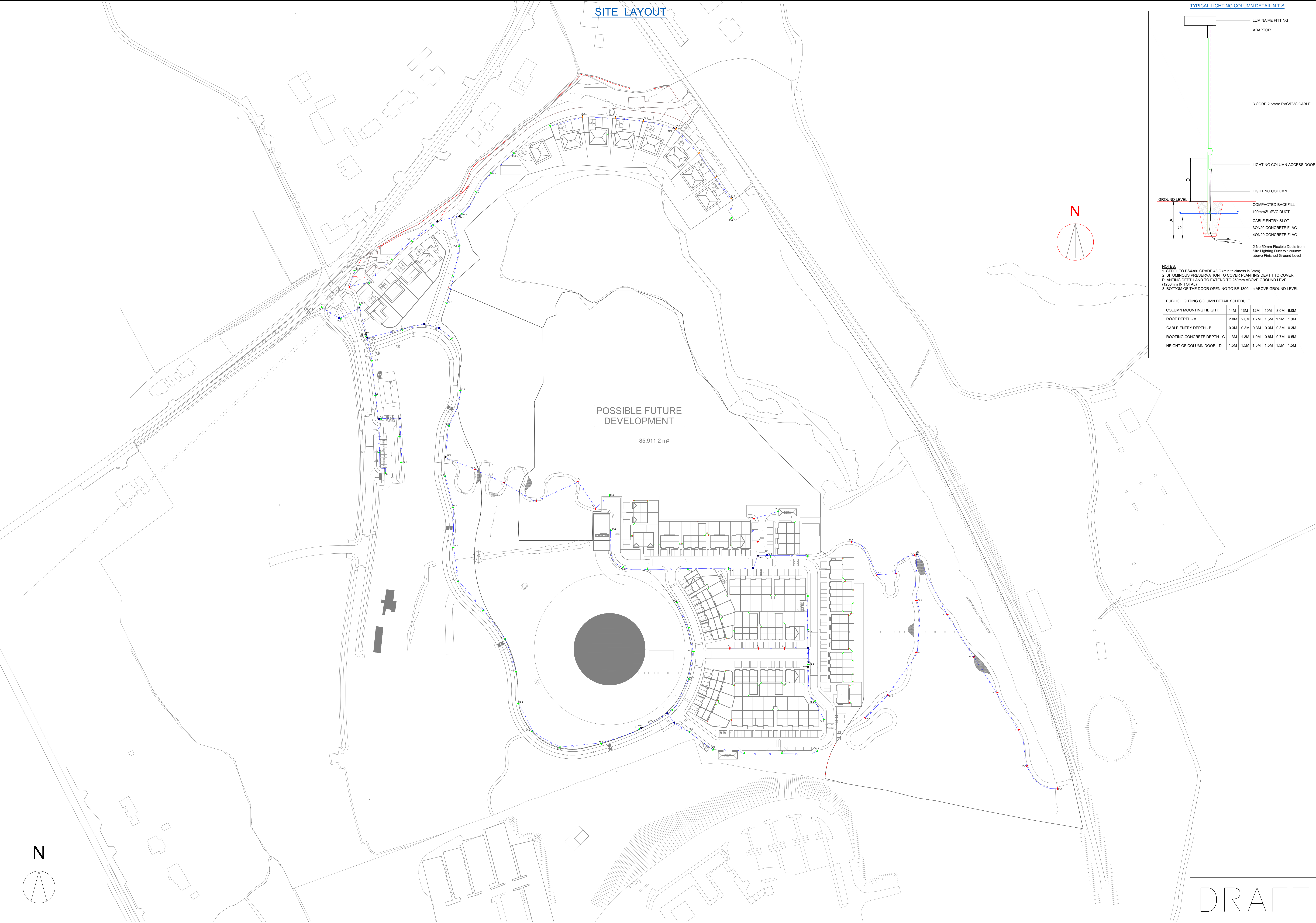
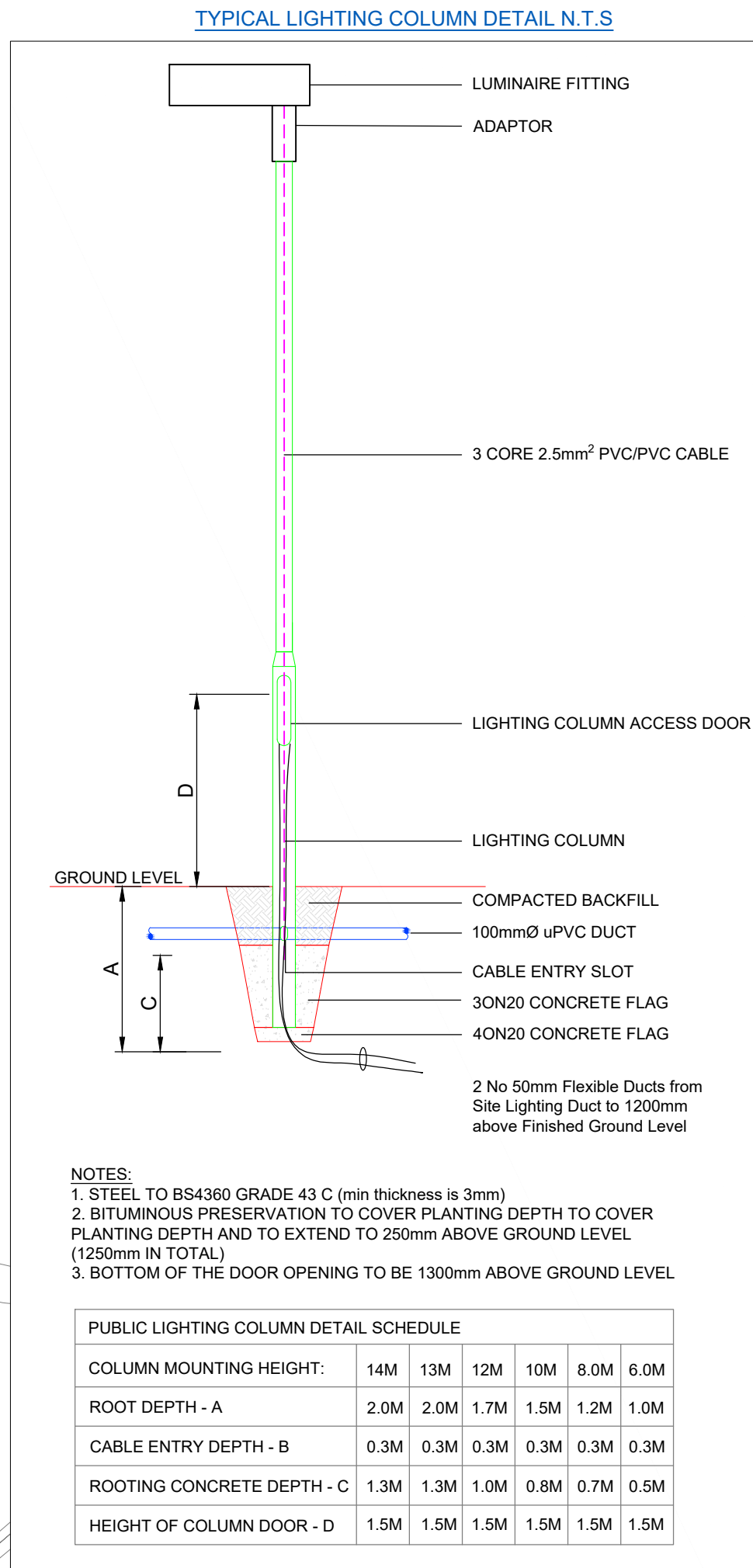




SITE LAYOUT



general notes

A. DO NOT SCALE FROM THIS DRAWING—
WORK ONLY FROM FIGURED DIMENSIONS.

B. ALL ERRORS & OMISSIONS TO BE REPORTED TO THE CONSULTING
ENGINEER

C. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER
SERVICES, ARCHITECTURAL, ENVIRONMENTAL & ALL OTHER
RELEVANT DRAWINGS & SERVICES SPECIFICATIONS.

SYMBOLS & REFERENCES:

PL1

Phosco
P852K 24-A2A-730-HE-0500-24W
P852K 24 LED A2A lens 500mA
MOUNTED ON 6M HIGH COLUMNS

PL2

Phosco
P852-128-A2A-730-HE-0800-38W
P852 128 LED A2A lens 500mA
MOUNTED ON 6M HIGH COLUMNS

PL3

Phosco
P852-128-A2A-730-HE-0800-28W
P852 128 LED A2A lens 500mA
MOUNTED ON 6M HIGH COLUMNS

PUBLIC LIGHTING CABLE CHAMBER

PUBLIC LIGHTING PILLAR (LOCATED AT
LEAST 2M FROM ESB PILLAR)

PUBLIC LIGHTING DUCTING Ø100mm HDPE
DUCT
2X65D NYCY CABLE LAID IN DUCTING TO
S.I. 10101:2002
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, LETTER
SIZE 9MM AT 1M INTERVALS THE
LETTERING TO FACE UPPEMOST IN THE
TRENCH. ALL WORKS TO LOCAL
AUTHORITY SPECIFICATION.
THIS IS A CIRCUIT LAYOUT AND NOT
INDICATIVE OF WHERE DUCTS ARE TO BE
LAID.

PLN3	17-10-25	Issue for Planning	R.F.	R.F.	
PLN2	15-10-25	Issue for Planning	R.F.	R.F.	
PLN1	14-09-25	Issue for Planning	R.F.	R.F.	
PLN	19-08-25	Issue for Planning	R.F.	R.F.	
issue	date	description	de	pe	

revision

drawing reference

R03

2525-E1000-PLN

drawn

date

scale

D.N.

Aug 2025

1:1000 @A0

architect

MICHAEL FITZPATRICK ARCHITECTS LIMITED
Main St, Tullybuck, Butlers Bridge, Co. Cavan, H12 P2N8

project

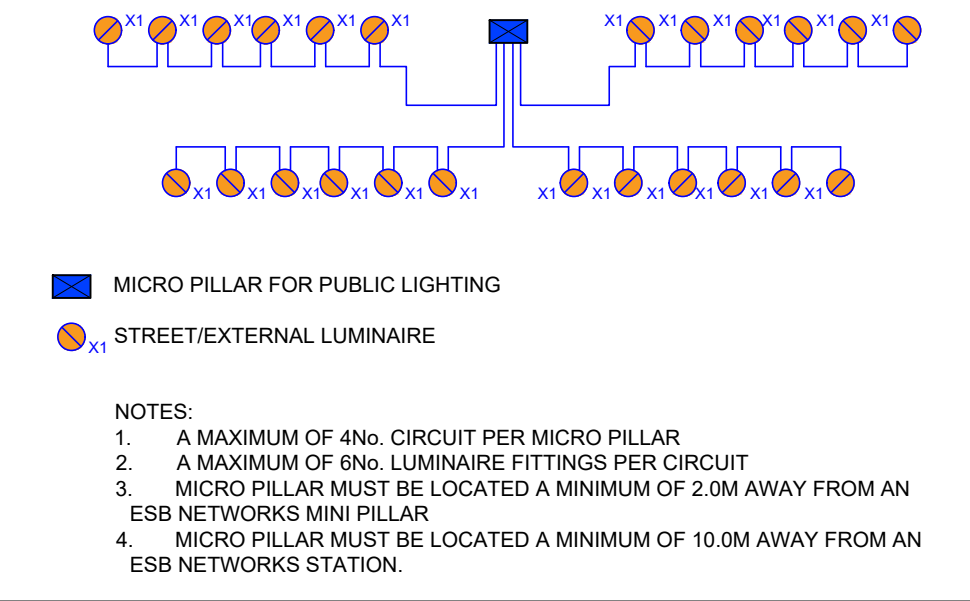
PROPOSED RESIDENTIAL DEVELOPMENT
Lands at Lisdaran Townland, Loreto Road
Cavan Town, Cavan

drawing title

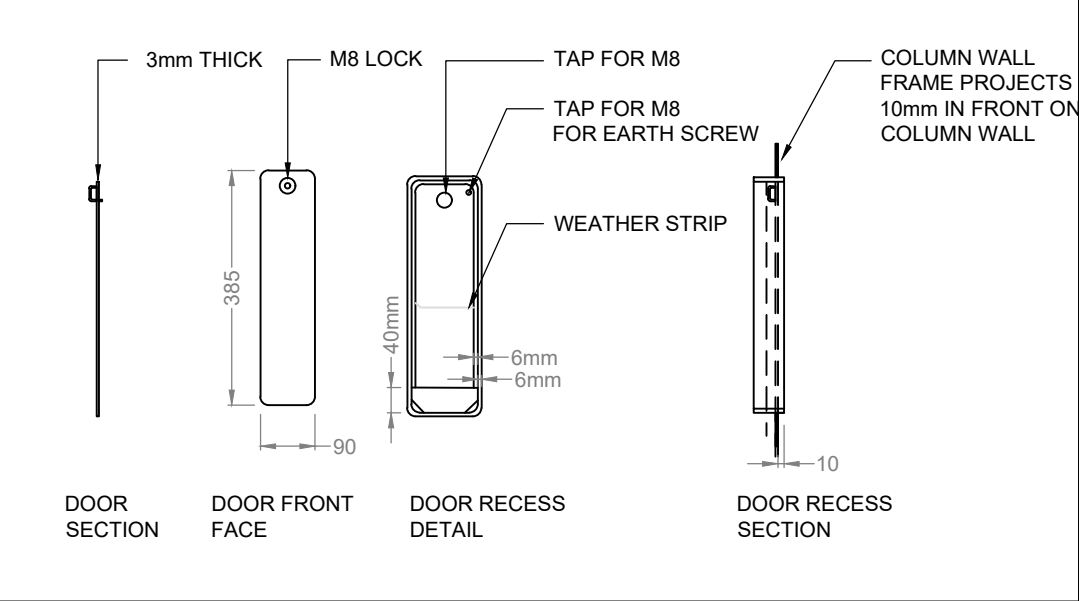
SITE LIGHTING LAYOUT
SITE LIGHTING
SHEET 1 OF 1

NOTES:

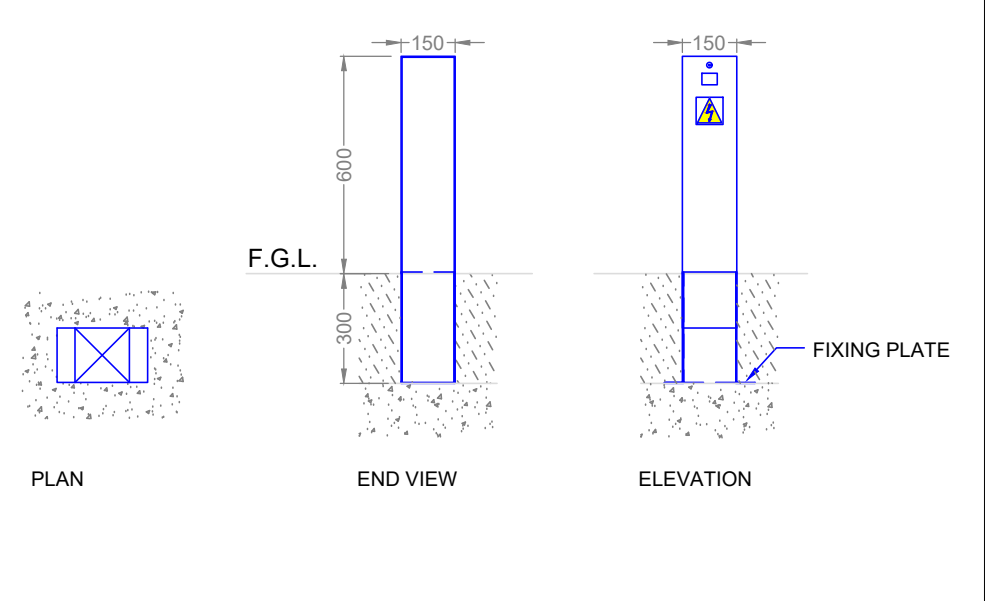
- All exterior lighting shall comply with code of practice for the design of road lighting BS5489-1:2013, EN13201-2015, Galway county council public lighting installation in residential and industrial area's guidance document 2014, national rules for electrical installation IS10101:2020, ET101:2008- part 1 general requirements & part 2.3 particular requirements for public lighting installations.
- The external lighting layout has been designed in accordance with BS 5489-1:2013 and EN 13201-2015 standards
- Ducting shall comply with BS EN 50086-1+2-3-4 latest edition & shall be single wall, colored red & manufactured from high density polypropylene. the nominal external diameter of the duct shall be 107mm with a minimal wall thickness of 5mm, each length of duct shall be stamped with the words "public lighting", or alternatively, "street lighting", in 18mm black lettering at 0 degrees, at one metre intervals. duct shall be laid with this legend facing upwards. duct shall be laid in a straight line close to the line of the column locations & shall contain a continuous draw wire of 8kn strength. all ducts shall be proven with brush and mandril, polypropylene roped and plugged and compliant with ET101 requirements red duct shall be used for exteriors lighting cables.
- A minimum depth of 450mm cover is required in urban pathways & a minimum of 600mm cover is required for grass margins, pedestrian ways, laneways & gateway entrances & a minimum depth of 750mm is required at road crossings or in carriageways.
- All cable draw inspection pits shall be of ductile iron galvanised steel frame with frame opening of 615mm x 615mm to conform to EN1248125 marked "public lighting" or traffic with m16 stainless steel locking bolt. all cable draw inspection pits for use on carriageways shall be of the same dimension as above with high strength engineering on situ concrete. covers and frames shall be approved by licensed body nrai or british standards institute of quality assurance services
- All equipment to be suitably ip rated for the environment they are being installed.
- ESB networks duct routes to mini pillar to be confirmed when ESB network sub-station location is finalised.
- Light column setback shall be 0.8m from kerb in accordance with BS5489-1 table 2



TYPICAL MICRO PILLAR CIRCUITRY DETAIL



TYPICAL LIGHTING COLUMN ACCESS DOOR DETAIL
(N.T.S)



TYPICAL MICRO PILLAR DETAIL
(N.T.S)



PROPOSED LED FITTING PHOSCO P852K

AMRA

A.M. ROGERS + ASSOCIATES

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Professional
Engineering Solutions