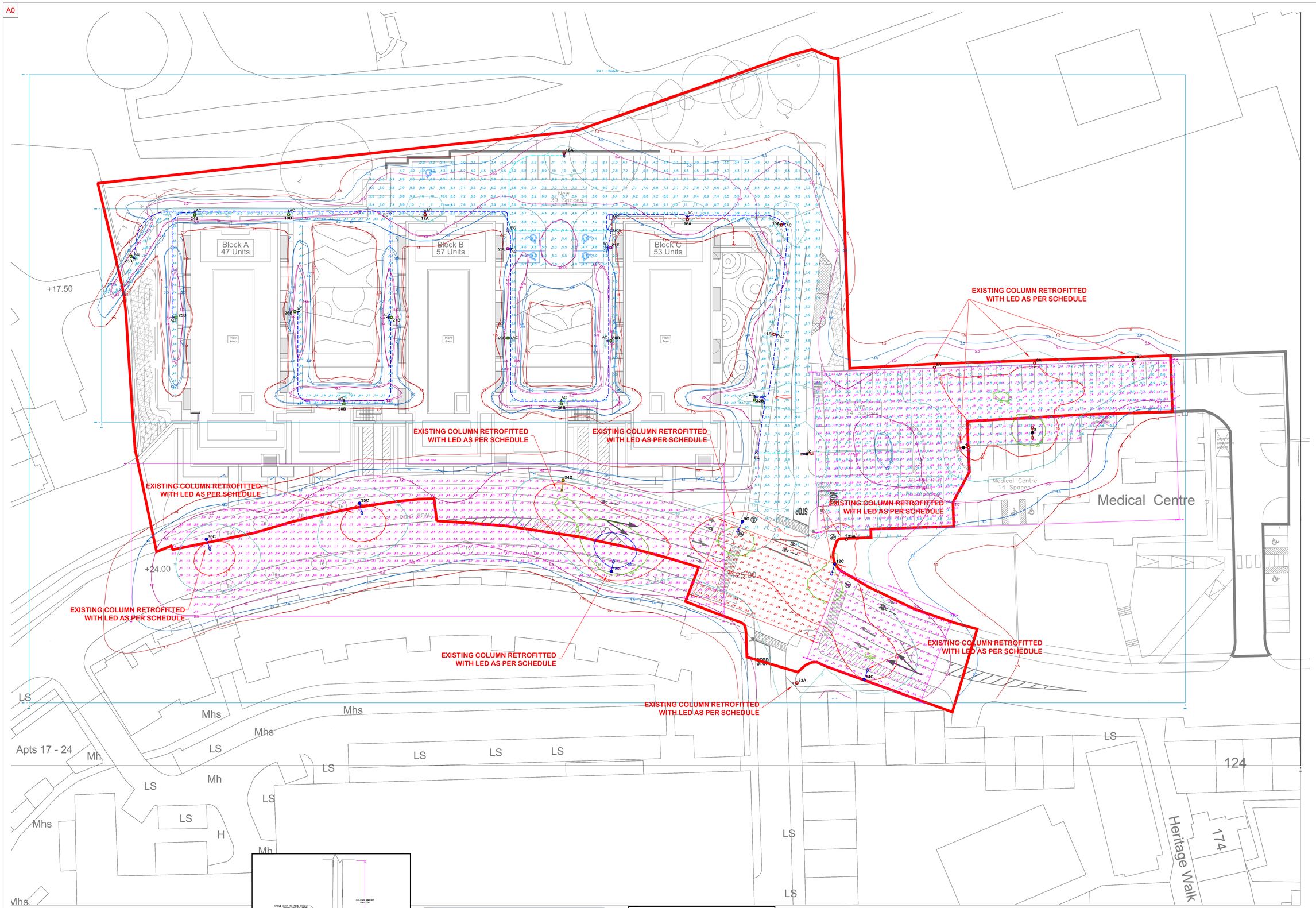
A0



GENERAL NOTES
1. © Copyright of this drawing is reserved by JODA Engineering Consultants 2026.
2. This drawing shall be read in conjunction with all relevant project drawings and specification.
3. All errors & omissions to be reported to the consulting engineer.
4. Do not scale dimensions from this drawing, use figured dimensions only.
5. JODA Engineering Consultants accepts no responsibility for errors made as a result of scaling of any unfigured dimension from this drawing.
6. ©Taille Eireann mapping information, where shown, reproduced under licence **CYAL50497473**.

Notes

MAINS CABLE DUCTING:
1. THE CONTRACTOR SHALL APPLY FOR A ROAD OPENING LICENCE WHERE APPLICABLE
2. THE CONTRACTOR SHALL REVIEW ALL EXISTING AS-BUILTS TO IDENTIFY EXISTING SERVICES WITHIN AREA OF CONTRACT
3. 1 PUBLIC LIGHTING CIRCUIT TO HAVE NO MORE THAN 6 LIGHTS ON THE ONE CIRCUIT
4. THE CONTRACTOR IS REQUIRED TO SUPPLY AND INSTALL ONLY ESB APPROVED 100mm RED ELECTRIC CABLE DUCT. NO OTHER DUCT IS ACCEPTABLE. ENSURE DUCT JOINTS ARE PROPERLY MADE AND SECURE AND DUCTS ARE INSTALLED AS STRAIGHT AND LEVEL AS PRACTICABLE WITH ONLY GRADUAL CHANGES IN DIRECTION AND LEVEL. WHERE BENDS ARE NECESSARY, USE ESB APPROVED BENDS ONLY
5. PROVIDE EACH DUCT WITH A STRONG CONTINUOUS 10mm POLYPROPYLENE DRAW ROPE FREE OF KNOTS AND SECURELY ANCHORED AT EACH END
6. CLEAN EACH DUCT AND SEAL THE ENDS USING END CAPS OR FOAM AND PLASTIC BAG SO AS TO AVOID INGRESS OF GRIT, STONES etc...
7. ENSURE DUCTS ARE INSTALLED AS PER THE REQUIRED STANDARDS
8. INSTALL DUCTS SO AS TO ENSURE THE REQUIRED MINIMUM CLEARANCE OF 300mm FROM ALL OTHER SERVICES IS MAINTAINED
9. INSTALL ESB CABLE WARNING TAPE 300mm BELOW GROUND LEVEL ALONG THE FULL LENGTH OF THE DUCTS. REFER TO DETAIL 3
10. GUIDE BOOK FOR ESB NETWORKS STANDARDS FOR ELECTRICAL SERVICES. REV 5, JAN 2014 SHALL BE READ IN CONJUNCTION WITH DRAWING

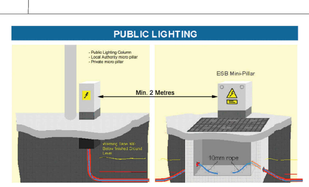
SAFETY WARNING:
TRIAL HOLES (AT CONTRACTORS EXPENSE) MAY BE REQUESTED TO CONFIRM DUCTING AND TAPE CONFORM TO ESB REQUIREMENTS. FAILURE TO CONFORM WILL RESULT IN RE-EXCAVATION OF ALL TRENCHES TO INSTALL THEM CORRECTLY.

REGULATIONS:
CONTRACTOR TO COMPLY WITH ALL ETCI AND ESB REQUIREMENTS AND CORK CITY COUNCIL PUBLIC LIGHTING GUIDELINES.

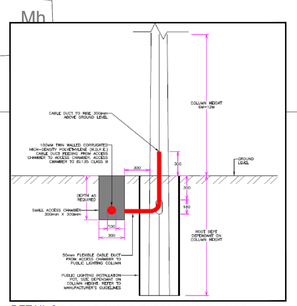
NOTE:
COLUMN LOCATIONS INDICATIVE ONLY.
COLUMN LOCATIONS TO BE CO-ORDINATED ON-SITE BEFORE INSTALLATION IN CONJUNCTION WITH THE CORK CITY COUNCIL & JODA.

Legend

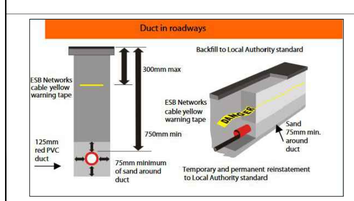
A	STREET LANTERN SEE TYPE A
B	STREET LANTERN SEE TYPE B
C	STREET LANTERN SEE TYPE C
D	STREET LANTERN SEE TYPE D
E	STREET LANTERN SEE TYPE E
MP	ESB MINI PILLAR
MCP	LOCAL AUTHORITY SERVICE MICRO PILLAR
EC	600mm x 600mm ACCESS CHAMBER GROUP 2 CLASS B125
AC	300mm x 300mm ACCESS CHAMBER 15:135 CLASS B
	ESB APPROVED 100mm DUCTING
	100mm TWIN WALLED DUCTING
	2 NO 100mm TWIN WALLED DUCTING



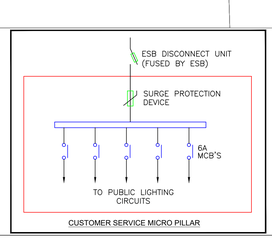
DETAIL 1: TYPICAL MICRO/MINI PILLAR DETAIL



DETAIL 2: TYPICAL PUBLIC LIGHTING COLUMN DETAIL (N.T.S.)



DETAIL 3: DUCTING IN ROADWAYS



CUSTOMER SERVICE MICRO PILLAR

Grid 1 – Roadway
Results – Horizontal Illuminance (lux)
Eav= 8.52
Emin= 1.75
Emax= 24.14
Emin/Emax= 0.07
Emin/Eav= 0.21
Emax/Eav= 2.83

Grid 2
Results – Horizontal Illuminance (lux)
Eav= 15.38
Emin= 7.37
Emax= 22.16
Emin/Emax= 0.33
Emin/Eav= 0.47
Emax/Eav= 1.40

Grid 3
Results – Horizontal Illuminance (lux)
Eav= 6.22
Emin= 1.49
Emax= 14.99
Emin/Emax= 0.10
Emin/Eav= 0.24
Emax/Eav= 2.41

Car park east
Results – Horizontal Illuminance (lux)
Eav= 10.21
Emin= 2.73
Emax= 24.83
Emin/Emax= 0.11
Emin/Eav= 0.27
Emax/Eav= 2.43

Old fort road
Results – Horizontal Illuminance (lux)
Eav= 11.09
Emin= 2.49
Emax= 31.57
Emin/Emax= 0.08
Emin/Eav= 0.22
Emax/Eav= 2.85

Old fort road east
Results – Horizontal Illuminance (lux)
Eav= 13.19
Emin= 4.03
Emax= 21.29
Emin/Emax= 0.19
Emin/Eav= 0.31
Emax/Eav= 1.61

Luminaire Data
Luminaire A LumiStreet_gen2 Eco Lamp LED40 L95@100kh /730 T25 MF 0.76
Luminaire B BGP291 DRXN1 Lamp LED-HB 5.25 730 MF 0.76
Luminaire C BGP292 DM10 Lamp LED-HB 5.25 730 MF 0.84
Luminaire D BGP292 DM10 BL1 Lamp LED-HB 5.25 730 MF 0.84
Luminaire E BGP291 DX51 Lamp LED-HB 5.25 730 MF 0.76

Key
- Luminaire A Column
- Luminaire B Column
- Luminaire C Column
- Luminaire D Column
- Luminaire E Column
- Mast
- Beam Aiming Target
- Photometric Centre

All Dimensions in metres

Rev	Revision Details	By	Chkd	Date
P04	ISSUED FOR PLANNING	PP	GJ	24.06.26
P03	ISSUED FOR PLANNING	PP	AJL	17.06.26
P02	ISSUED FOR PLANNING	PP	GJ	16.04.26
P01	ISSUED FOR PLANNING	PP	GJ	18.12.25

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Client: O'FLYNN GROUP

Project: APARTMENT DEVELOPMENT AT OLD FORT ROAD BALLINCOLLIG, COUNTY CORK

Drg Title: PUBLIC LIGHTING LAYOUT

Scale Ref	JODA Project No	Status
1:250	3866-02	PLANNING

Project - Originator - Vol/Sys - Levels - Type - Role - Number	Suitability
3866 - 02 - JODA - ZZ - ZZ - DR - E - 2000	P04