

NOTE:
 1. THIS DRAWING IS COPYRIGHT.
 2. THIS DRAWING MUST NOT BE SCALED.
 3. THE CONTRACTOR IS TO CHECK ALL DIMENSIONS ON SITE.
 4. FOR ANY DISCREPANCIES FOUND, CONSULT WITH DESIGN OFFICE.
 5. THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL SPECIFICATION DOCUMENTS.



LEGEND
 — SITE BOUNDARY

ORDNANCE SURVEY IRELAND SHEET NUMBERS:
 6285
 ITM: E577430
 N544496

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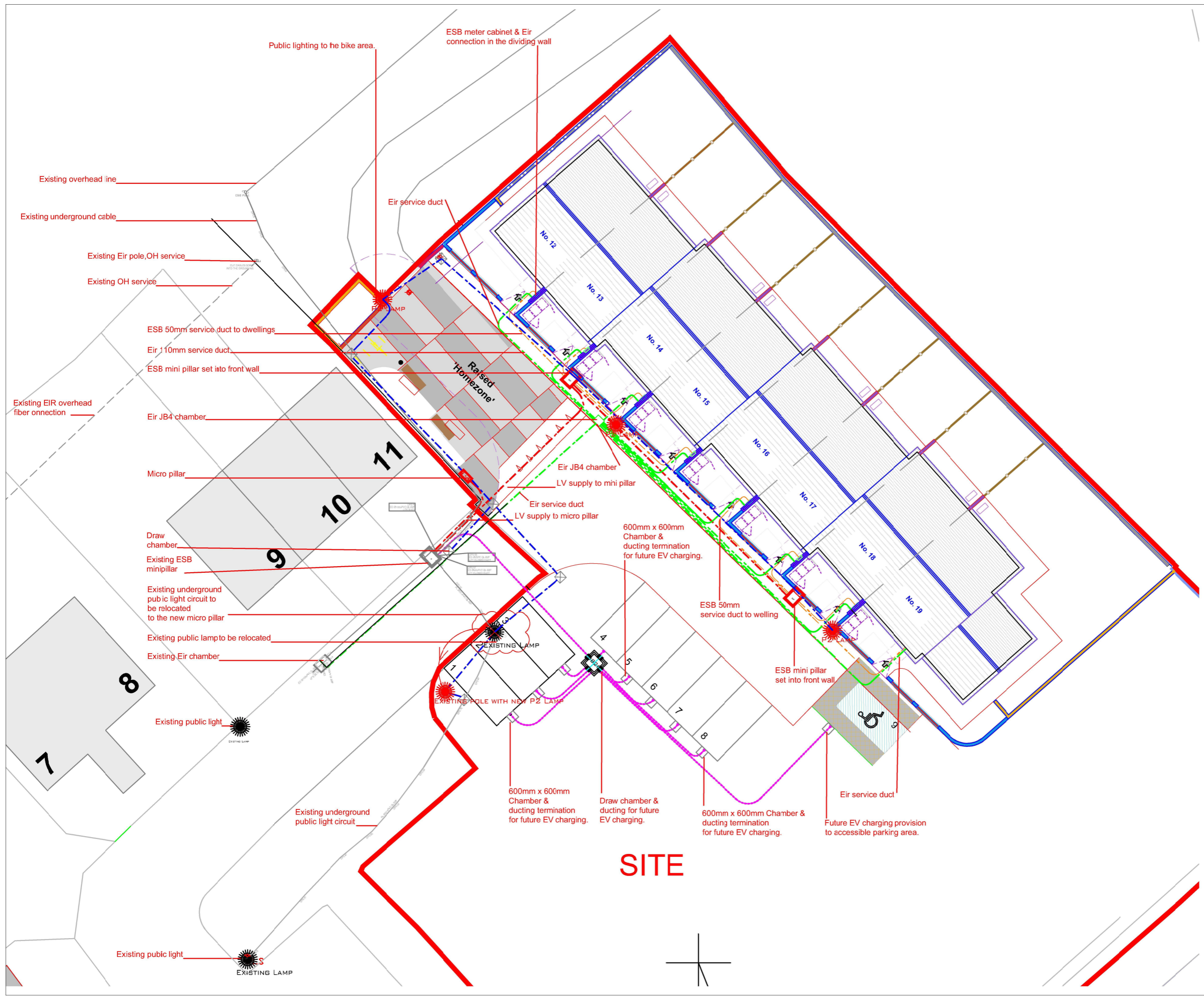
	Site Boundary Line
	MP Minipillar
	JB26 Distribution chamber
	JB36 Distribution chamber
	MMP Micropillar
	168mm electrical distribution duct
	125mm ESB supply duct
	50mm electrical distribution duct
	110mm EIR service duct
	EIR JB4 inspection chamber
	Public lighting service duct
	Public light Lamp ID.....
	Existing Public light
	ESB pole
	Draw chamber
DP0.55 Depth from GL to top of pipe/GPR target (M)	
Ø--mm Pipe/duct diameter (mm) and material	

Rev. No.	Revision Description	Date
P05	Public Lighting Updated	Dec 23
P04	Raised Homezone Added	Dec.23
P03	EV charging added to accessibility parking	Nov 23
P02	Housing terrace lengthened by 420mm	Oct.23

Project Stage: Single Stage Submission
 Project Title: 8 No. Housing Units at St. Olan's Place, Aghabulogue, Co. Cork.
 Drawing Title: Site Layout Plan

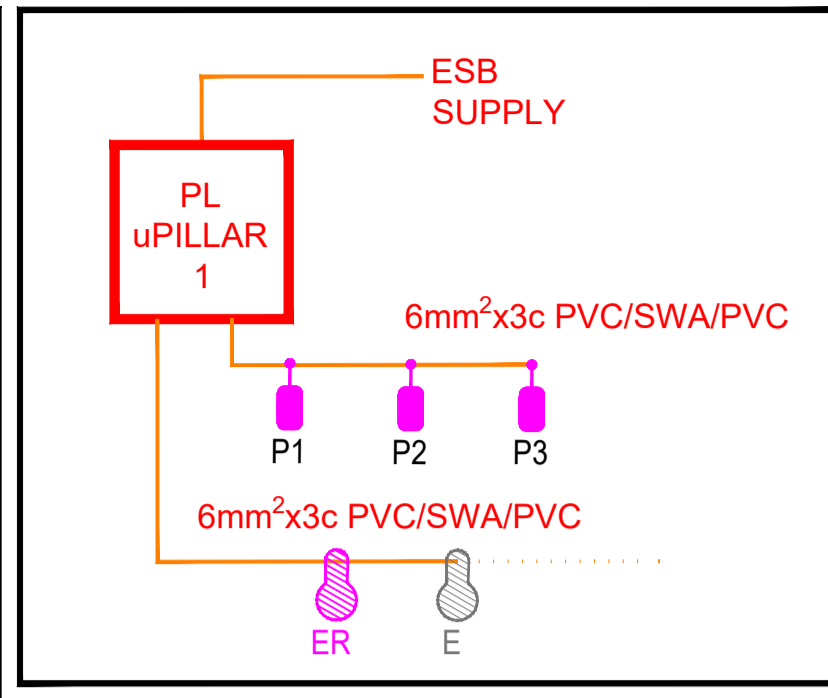
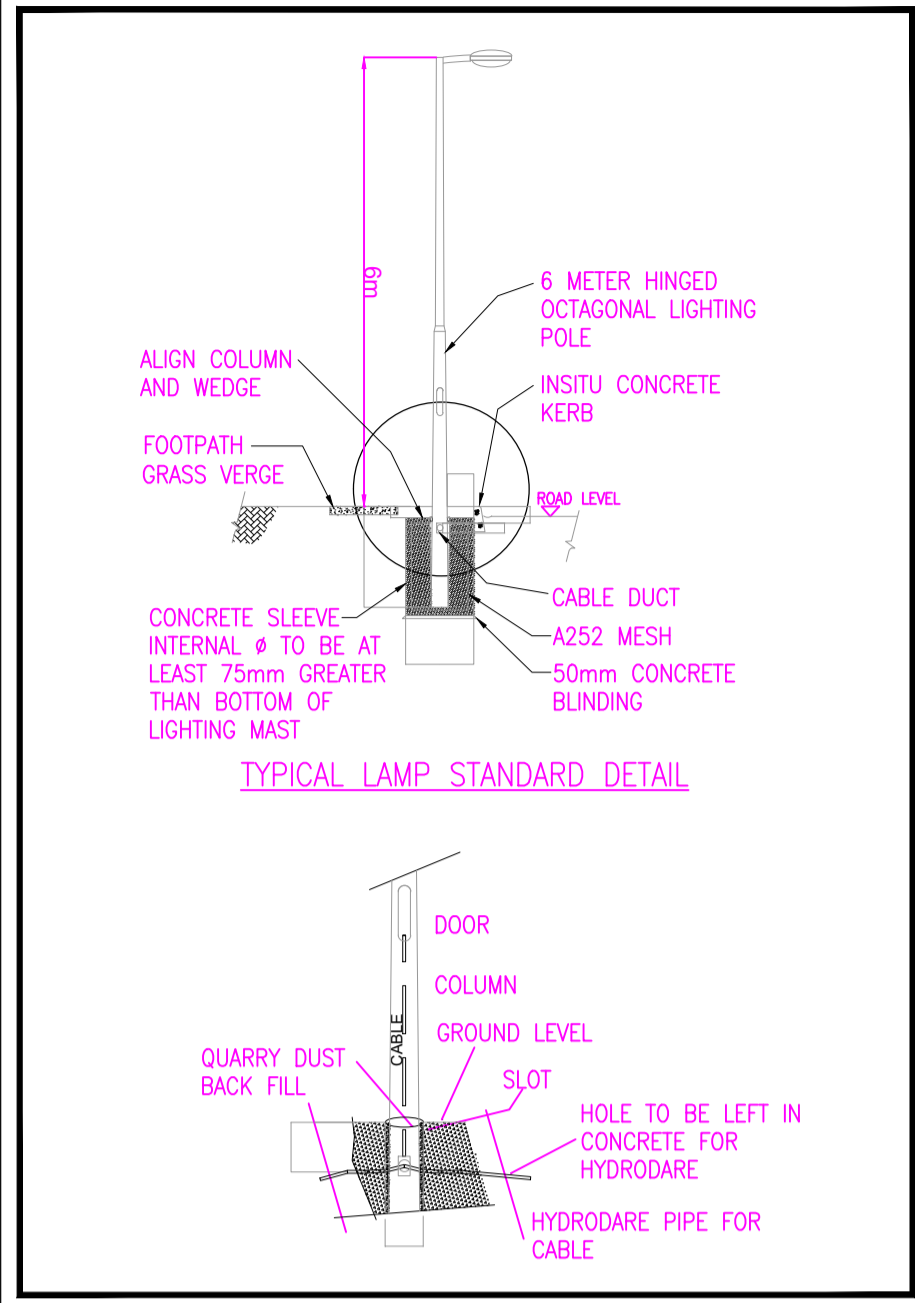
Conhairle Contae Chorcaí
 Tógáil Chaipitil | Stiúthóireacht Tithíochta
Cork County Council
 Engineering Design Team | Housing Directorate
 County Hall, Cork
 Tel: (021) 4276891

Job Reference: S2022022	Sheet: A3	Design Team: Engineer: J Fleming Technician: Snr. Engineer: K Jones
Dwg. No.: DR-CCC-ME-PL-120	Date: Oct.23	Scale: 1:250
Date: Oct.23	Scale: 1:250	Issue for: Single Stage Submission

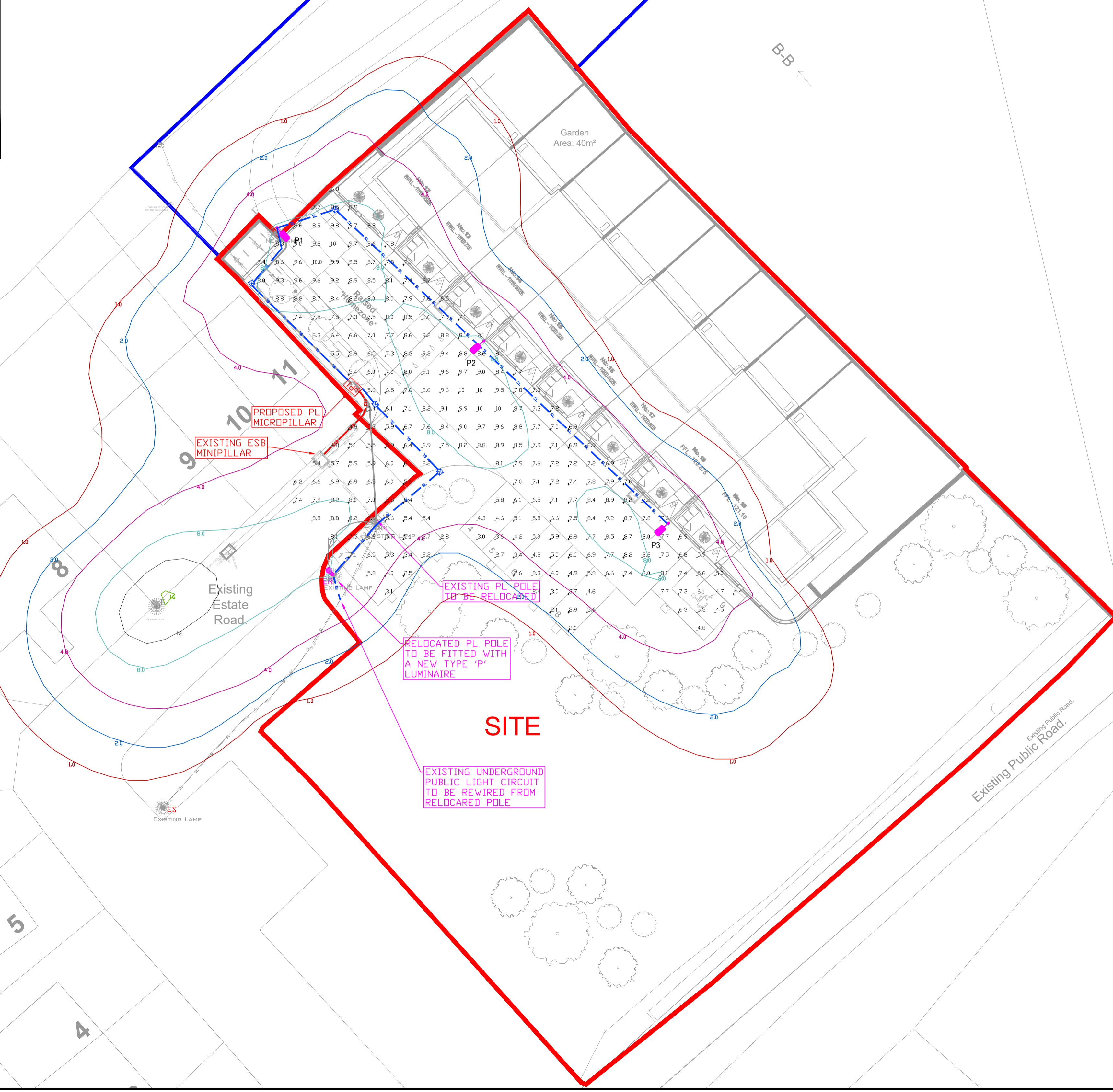


SITE



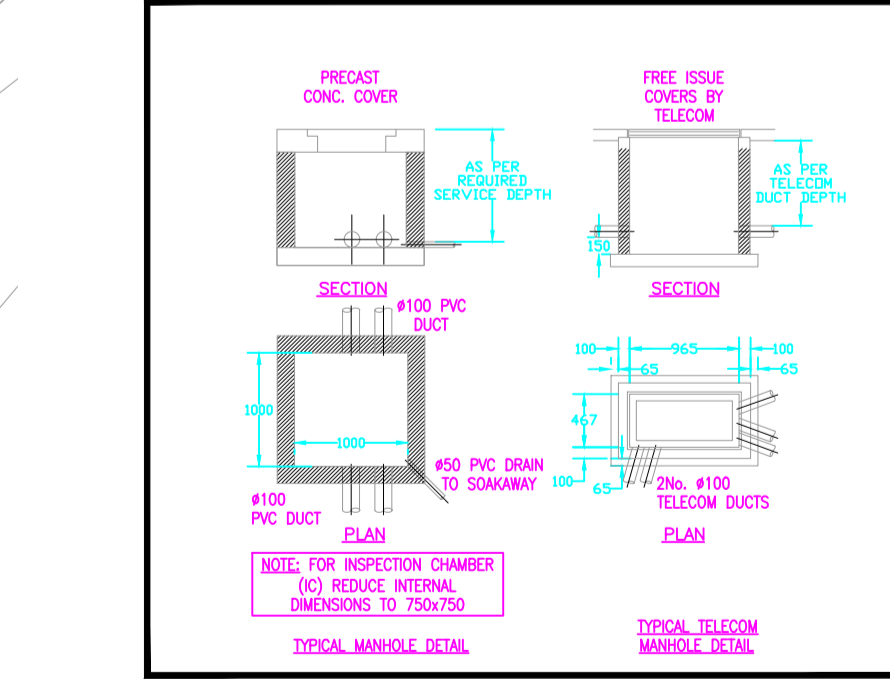
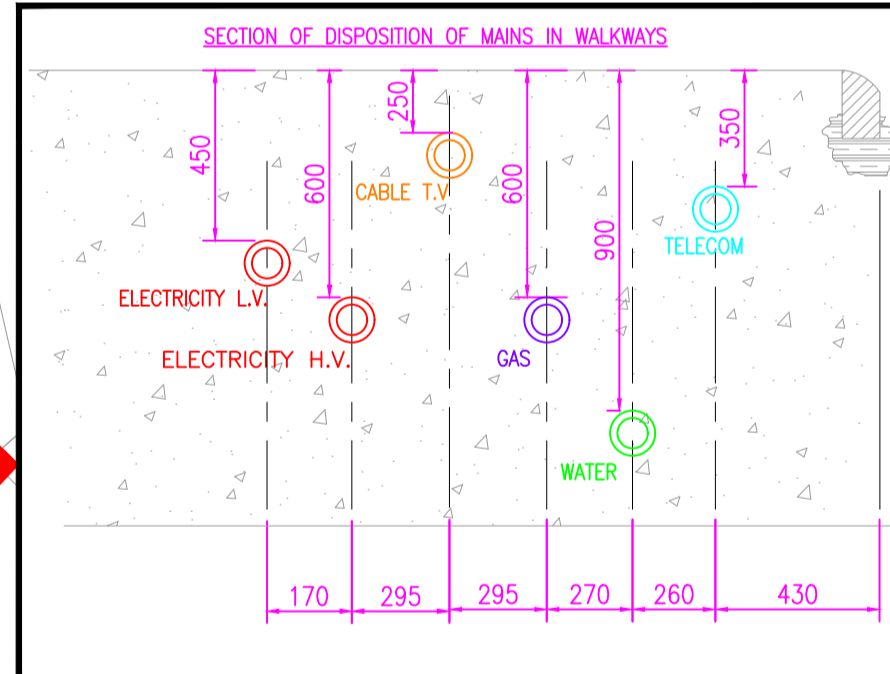
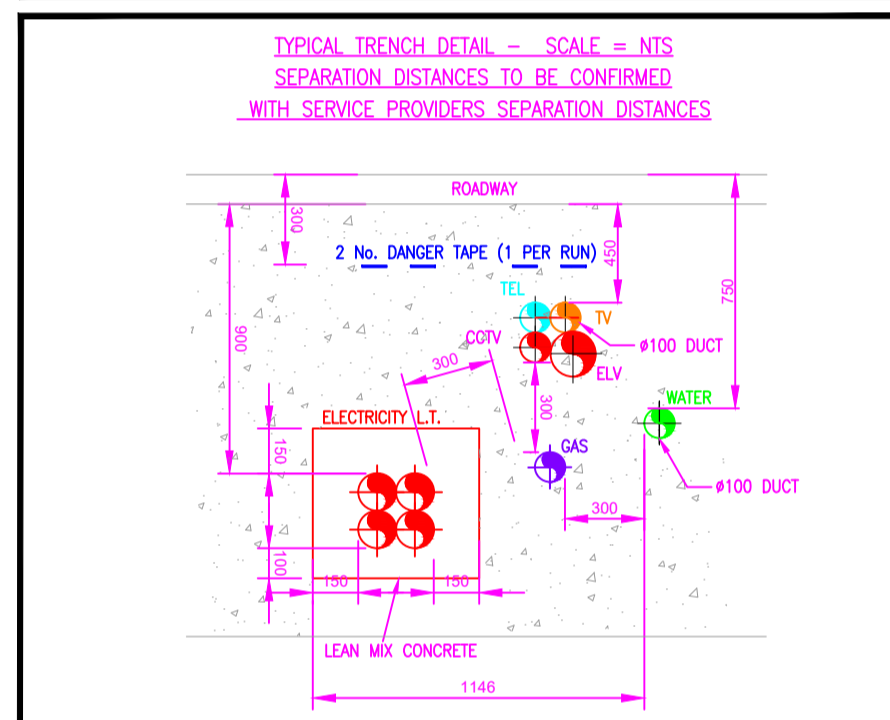


- NOTES:**
1. DUCTING SHALL COMPLY WITH LATEST VERSION OF BS EN 50086 AND SHALL BE SINGLE WALL, COLOURED RED AND MANUFACTURED FROM HIGH-DENSITY POLYETHYLENE. THE NOMINAL EXTERNAL DIAMETER OF THE DUCT SHALL BE 107MM WITH A MINIMUM WALL THICKNESS OF 5MM. EACH LENGTH OF DUCT SHALL BE STAMPED WITH THE WORDS 'PUBLIC LIGHTING' OR 'STREET LIGHTING', IN 18MM BLACK LETTERING REPEATED AT 1-METRE INTERVALS.
 2. DUCTS SHALL BE LAID WITH THE LEGEND FACING UPWARDS, IN A STRAIGHT LINE, CLOSE TO THE LINE OF THE COLUMN LOCATIONS AND SHALL CONTAIN A CONTINUOUS DRAW WIRE OF 8 KN STRENGTH.
 3. SAND SHOULD BE USED TO BACKFILL TO 150MM ABOVE THE TOP OF THE DUCTING.
 4. A CLEARANCE OF AT LEAST 100MM SHALL BE ALLOWED TO THE TRENCH WALL.
 5. AN IDENTIFYING TAPE MUST BE PLACED ON TOP OF THE SAND.
 6. A MINIMUM DEPTH OF 450MM COVER IS REQUIRED IN URBAN FOOTWAYS, GRASS MARGINS, PEDESTRIAN WAYS, LANEWAYS AND VEHICULAR ACCESSES; AND A MINIMUM DEPTH OF 750MM IS REQUIRED AT ROAD CROSSINGS OR UNDER ROADWAYS.
 7. PUBLIC LIGHTING INSTALLATION TO BE IN ACCORDANCE WITH KIDARE COUNTY COUNCIL'S SPECIFICATIONS



LEGEND

- EXTERNAL LIGHTING DUCT Ø100mm (RED)
- EXISTING LIGHTING DUCT
- LED LANTERN, 22W, 3400lm, 4000K, DW50 DISTRIBUTION ON 6m POLE
- EXISTING LUMINAIRE
- MANHOLE FOR DRAWING WIRES, ACCESS AND MAINTENANCE.
- ESB MINIPILLAR "n"
- PL MICROPILLAR "n"



NOTES:

GENERAL NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, C&S ENGINEERS DRAWINGS & SPECIFICATIONS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT BUILDING REGULATIONS.
3. DO NOT SCALE - WORK TO FIGURE DIMENSIONS ONLY.

IHEEM

ENGINEERS IRELAND

cpd ACCREDITED COMPANY

Dwg No.	Revised Drawings	Dwg Title

Rev.	Date	Description	Drawn	Checked	Approved
P1	25/11/23	INFORMATION	HP	JM	JM
P2	07/12/23	INFORMATION	HP	JM	JM
P3	12/12/23	INFORMATION	HP	JM	JM

Client: **CORK COUNTY COUNCIL**

Job Description: **PUBLIC LIGHTING DESIGN FOR 2 SOCIAL HOUSING PROJECTS**

Status: **INFORMATION**

Drawing Title: **PROPOSED LIGHTING LAYOUT ACHABULLOGUE**

Project No: **23ME018** Drawing Ref: **ME-1000** Rev: **P3**

Date: **20/11/2023** Scale: **1:200 @ A1 (1:400@A3)**

Drawn By: **H.P.** Checked By: **J.M.** Approved By: **J.M.**

Hayes Higgins Partnership

Gas House Lane, Kilkenny.

Gas House Lane, Kilkenny (056) 7764710 (056) 7723225 info@hhp.ie

The Open House, 11 Odeon Lane, Salsburgh, (01) 8612321 (01) 8612804 admin@hayeshiggins.ie

Issue 7

DATE: 12 December 2023
DESIGNER: HHP
PROJECT No: 23ME018
PROJECT NAME: Aghabullogue



Design:
Lighting Classes according to EN13201:2015:
- Residential: P3
(5.89<Eav<8.84; Emin>1.18, S/P Ratio:1.61; MF=0.8)

Outdoor Lighting Report

PREPARED BY: Hayes Higgins Partnership
Gas House Lane
Kilkenny

email: info@hhp.ie
Tel.: 056 7764710

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 544426.2m x 577370.5m
Area 119.7m x 165.8m
Sample Spacing 1.50m x 1.49m

Luminaires

Luminaire A Data

Supplier	
Type	BGP615 DW50
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	3.40
File Name	Luma_Micro_BGP615_DW50_3400_20LED_330mA_4S_CLO_L90_NW.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	616.7, 39.5, 0.0
Lamp S/P Ratio	1.61
No. in Project	4

Luminaire E Data

Supplier	_Historic Lanterns
Type	QB5B1035.4
Lamp(s)	35W SOX
Lamp Flux (klm)	4.80
File Name	r0004958.cib
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	157.8, 97.0, 51.0
Lamp S/P Ratio	0.00
No. in Project	1

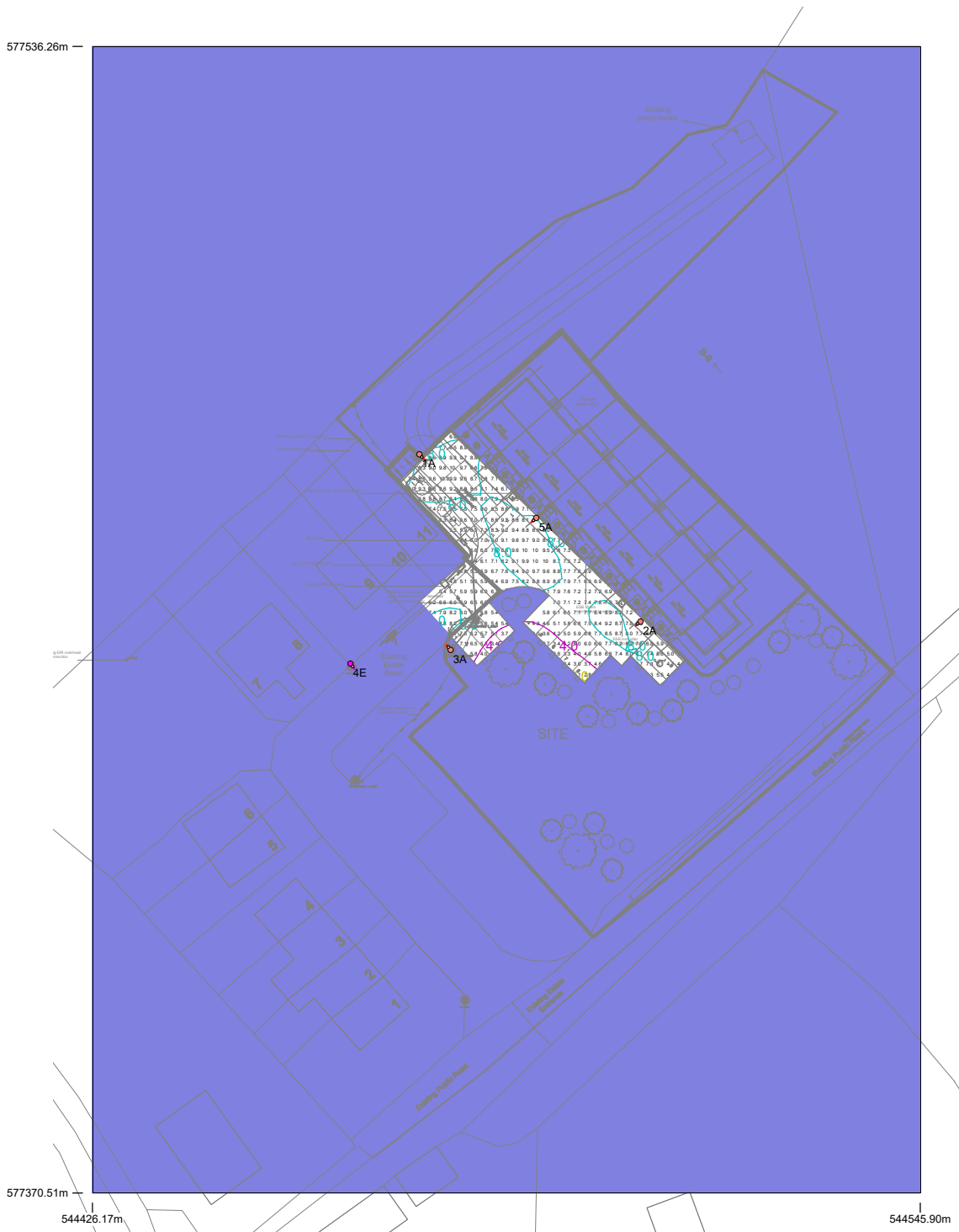


Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	544473.45	577477.31	6.00	313.00	0.00	0.00	0.50			
2	A	544505.40	577453.15	6.00	221.00	0.00	0.00	0.50			
3	A	544477.97	577449.03	6.00	130.00	0.00	0.00	0.50			
4	E	544463.46	577447.06	6.00	310.00	0.00	0.00	0.50			
5	A	544490.34	577468.10	6.00	221.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.07
Emin	2.04
E _{max}	10.44
Emin/E _{max}	0.20
Emin/Eav	0.29