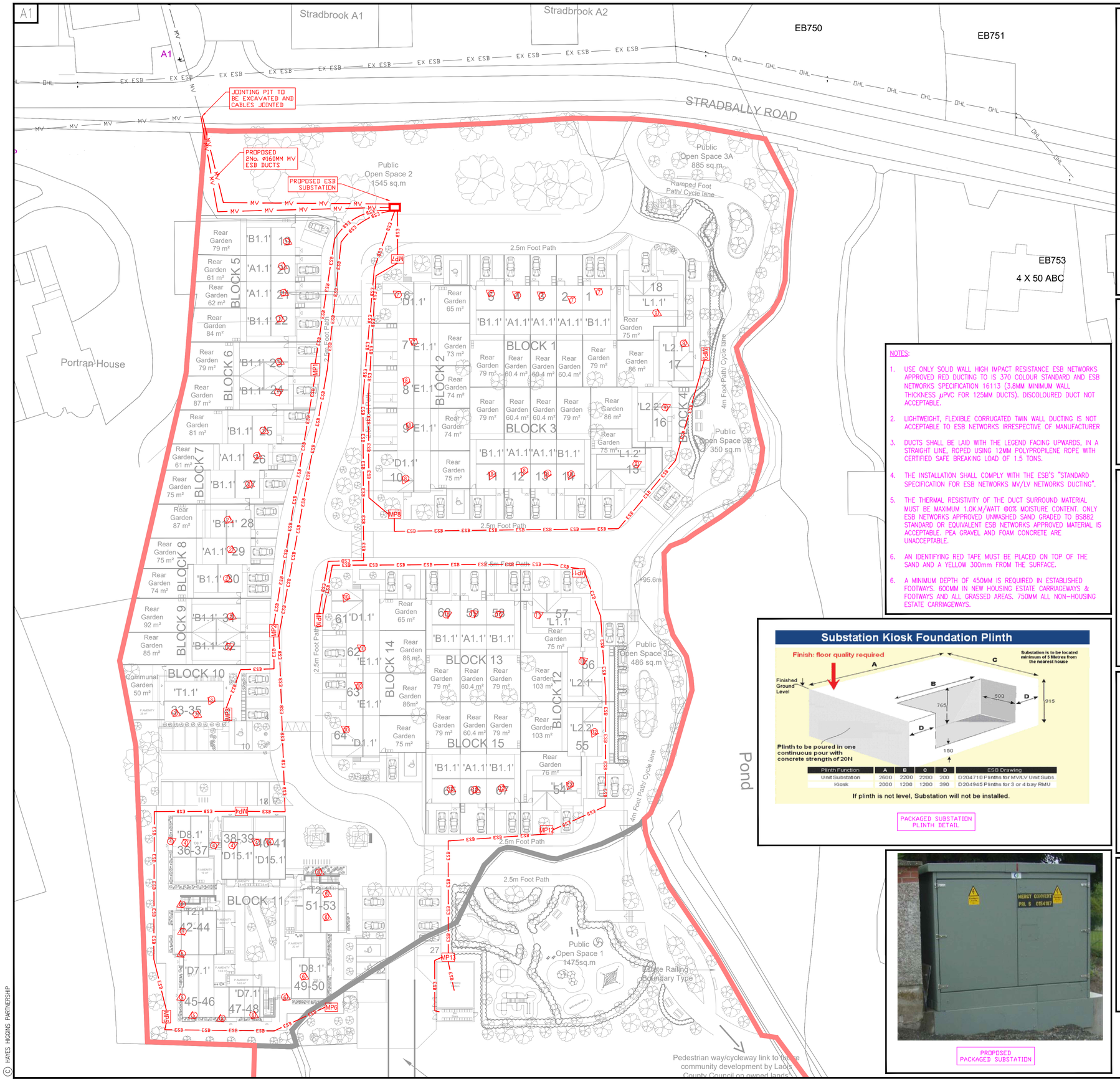
A1



LEGEND

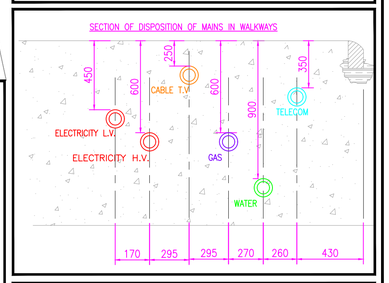
- PROPOSED ESB LV DUCT ø125mm RED
- PROPOSED ESB MV DUCT ø160mm RED
- PROPOSED ESB OHL
- EXISTING ESB OHL TO BE REMOVED
- EXISTING ESB OHL
- MANHOLE FOR DRAWING WIRES, ACCESS AND MAINTENANCE.
- MPn ESB MINIPILLAR "n" C/W VC2 VAULT IMMEDIATELY IN FRONT
- ø50mm RED DUCT TO MINIPILLAR "n"

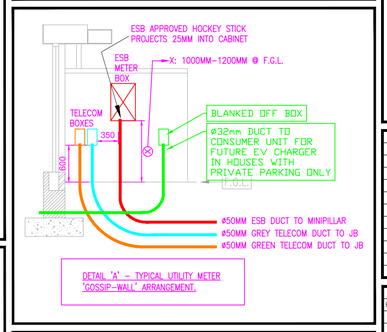
NOTES:

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.

SECTION OF DISPOSITION OF MAINS IN WALKWAYS





DETAIL 'A' – TYPICAL UTILITY METER 'GOSSIP-WALL' ARRANGEMENT.

NOTES:

1. USE ONLY SOLID WALL HIGH IMPACT RESISTANCE ESB NETWORKS APPROVED RED DUCTING TO IS 370 COLOUR STANDARD AND ESB NETWORKS SPECIFICATION 16113 (3.8MM MINIMUM WALL THICKNESS µPVC FOR 125MM DUCTS). DISCOLOURED DUCT NOT ACCEPTABLE.
2. LIGHTWEIGHT, FLEXIBLE CORRUGATED TWIN WALL DUCTING IS NOT ACCEPTABLE TO ESB NETWORKS IRRESPECTIVE OF MANUFACTURER
3. DUCTS SHALL BE LAID WITH THE LEGEND FACING UPWARDS, IN A STRAIGHT LINE, ROPED USING 12MM POLYPROPILENE ROPE WITH CERTIFIED SAFE BREAKING LOAD OF 1.5 TONS.
4. THE INSTALLATION SHALL COMPLY WITH THE ESB'S "STANDARD SPECIFICATION FOR ESB NETWORKS MV/LV NETWORKS DUCTING".
5. THE THERMAL RESISTIVITY OF THE DUCT SURROUND MATERIAL MUST BE MAXIMUM 1.0K.M/WATT @0% MOISTURE CONTENT. ONLY ESB NETWORKS APPROVED UNWASHED SAND GRADED TO BS882 STANDARD OR EQUIVALENT ESB NETWORKS APPROVED MATERIAL IS ACCEPTABLE. PEA GRAVEL AND FOAM CONCRETE ARE UNACCEPTABLE.
6. AN IDENTIFYING RED TAPE MUST BE PLACED ON TOP OF THE SAND AND A YELLOW 300mm FROM THE SURFACE.
6. A MINIMUM DEPTH OF 450MM IS REQUIRED IN ESTABLISHED FOOTWAYS. 600MM IN NEW HOUSING ESTATE CARRIAGEWAYS & FOOTWAYS AND ALL GRASSED AREAS. 750MM ALL NON-HOUSING ESTATE CARRIAGEWAYS.

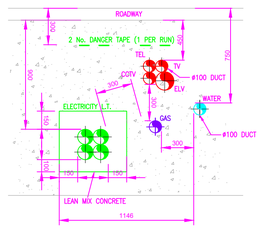
Substation Kiosk Foundation Plinth

Plinth Function	A	B	C	D	ESB Drawing
Unit Substation	2600	2200	2200	200	D204710 Plinths for MV/LV Unit Subs.
Kiosk	2000	1200	1200	390	D204945 Plinths for 3 or 4 bay RMU

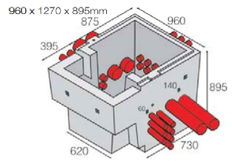
If plinth is not level, Substation will not be installed.

PACKAGED SUBSTATION PLINTH DETAIL

TYPICAL TRENCH DETAIL – SCALE = NTS
SEPARATION DISTANCES TO BE CONFIRMED WITH SERVICE PROVIDERS SEPARATION DISTANCES



PROPOSED PACKAGED SUBSTATION



DETAIL OF VC2 VAULT

IHEEM

Qualitas Veritas ISO 9001-2015

ENGINEERS IRELAND cpd ACCREDITED COMPANY

Referenced drawings

Dwg. No.	Dwg Title

Issue register

Rev.	Date	Description	Dwn.	Chkd.	Apprvd.
P1	08/11/23	INFORMATION	HP	BC	BC
P2	11/02/25	INFORMATION	HP	BC	BC
P3	08/04/25	INFORMATION	HP	BC	BC
P4	09/05/25	INFORMATION	HP	BC	BC
P5	19/08/25	INFORMATION	HP	BC	PP

Client: LAOIS COUNTY COUNCIL

Job Description: OGP 67 HOUSING UNITS IN STRADBALLY RD, PORTLAOISE, Co. LAOIS

Status: INFORMATION

Drawing Title: ESB SITE SERVICES LAYOUT

Project No:	Drawing Ref:	Rev:
23ME002	ME–1000(A)	P5
Date: 08/11/2023	Scale: 1:400 @ A1 (1:800@A3)	
Drawn By: H.P.	Checked By: B.C.	Approved By: B.C.

Hayes Higgins Partnership

Gas House Lane, Kilkenny.

Gas House Lane, Kilkenny (056) 7764710 (056) 7723223 info@hhp.ie

The Gate House, 11 Cole Lane, Smithfield, Dublin 7 (01) 6612321 (01) 6625804 admin@hayeshiggins.ie

A.3.4

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