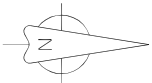
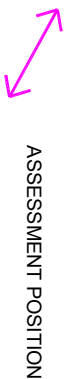
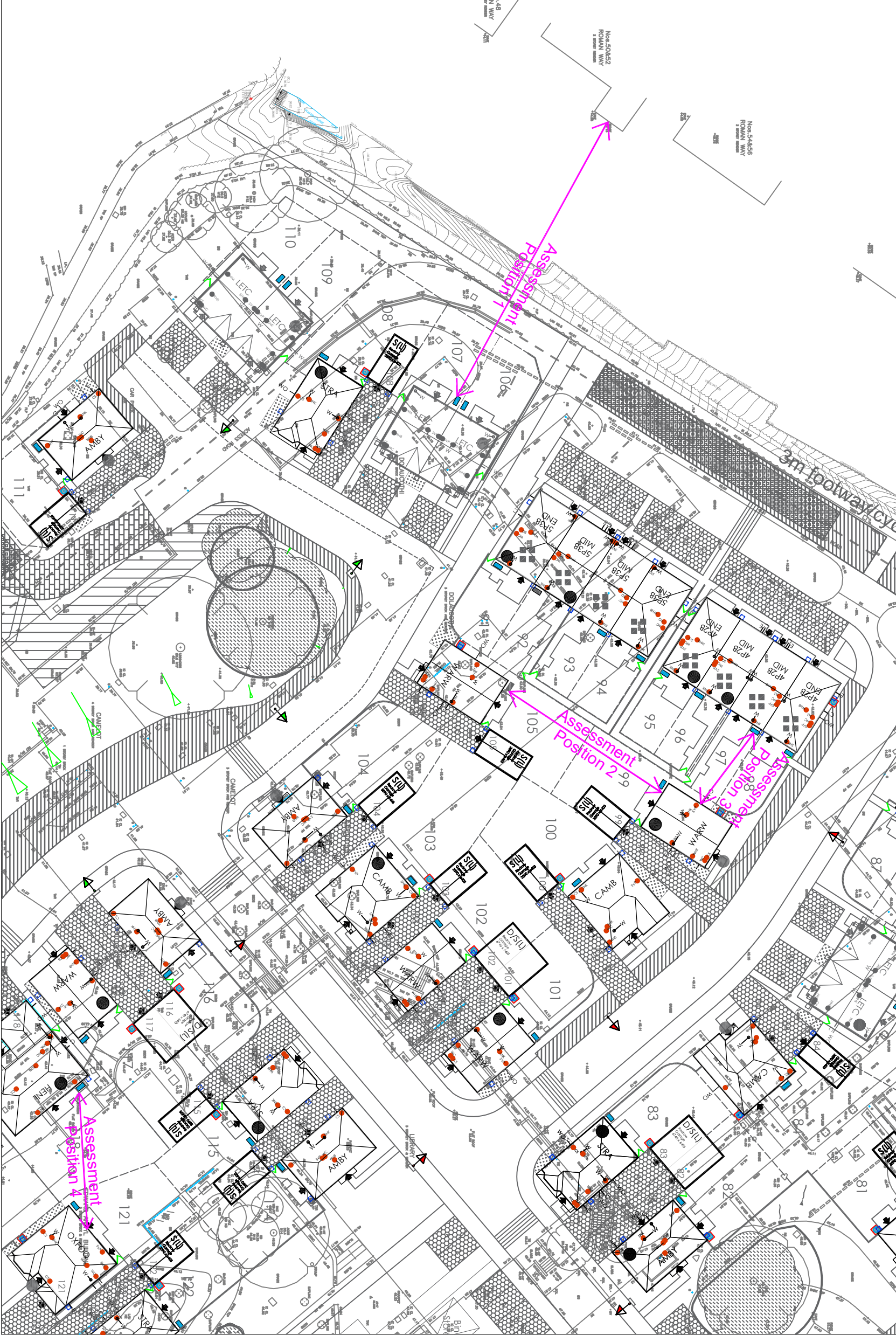


Project Details (optional)	
Installation address	Redrow Development off Lodge Road, Caerleon, Newport.
Heat pump make & model	Dakin Altherma 3 Monobloc EDLA04EV3
Heat pump installation location	Rear Gardens where shown by blue rectangle/purple arrows on supporting site plan

Step		Assessment Position 1	Assessment Position 2	Assessment Position 3	Assessment Position 4
1	Date calculation undertaken	23.03.2026	23.03.2026	23.03.2026	23.03.2026
2	Description of assessment position	Plot 107 to No.s 50 and 52 Roman Way	Plot 99 to 105	Plot 97 to 99	Plot 118 to 121
3	A-weighted sound power level, dB(A)	58	58	58	58
4	Determination of directivity (Q) - select number of reflective surfaces	one reflective surface	two reflective surfaces	one reflective surface	one reflective surface
5	Distance from heat pump to assessment positions, in m	60	22	11	17
6	Determination of barrier correction - select barrier type	close board fence (<18mm thick boards)	close board fence (<18mm thick boards)	close board fence (<18mm thick boards)	close board fence (<18mm thick boards)
7	Determination of barrier correction - select line of sight	partial view	no view	full view	partial view
8	Calculate sound pressure level	12.0	21.2	29.2	22.9
	Pass/fail noise limit of 37.0 dB(A)	pass	pass	pass	pass



Revision	Date	Amendment	Initials
Development	Location	Caerleon	Parc Y Coleg
Marketing Name	Parc Y Coleg	ASHP MCS Calculations	3766-ASHP-MCS
Drawing Title	ASHP MCS Calculations	Scale @ A3	1:500 @ A3
Drawing Number	3766-ASHP-MCS	Date Stated	23.03.2026
Revision	-	Scale @ A3	1:500 @ A3
Drawn By	AS	Date Stated	23.03.2026
Checked By	AS	Date	23.03.2026

**REDROW**
HOMES

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This layout has been designed after due consideration of our Context & Constraints Plan