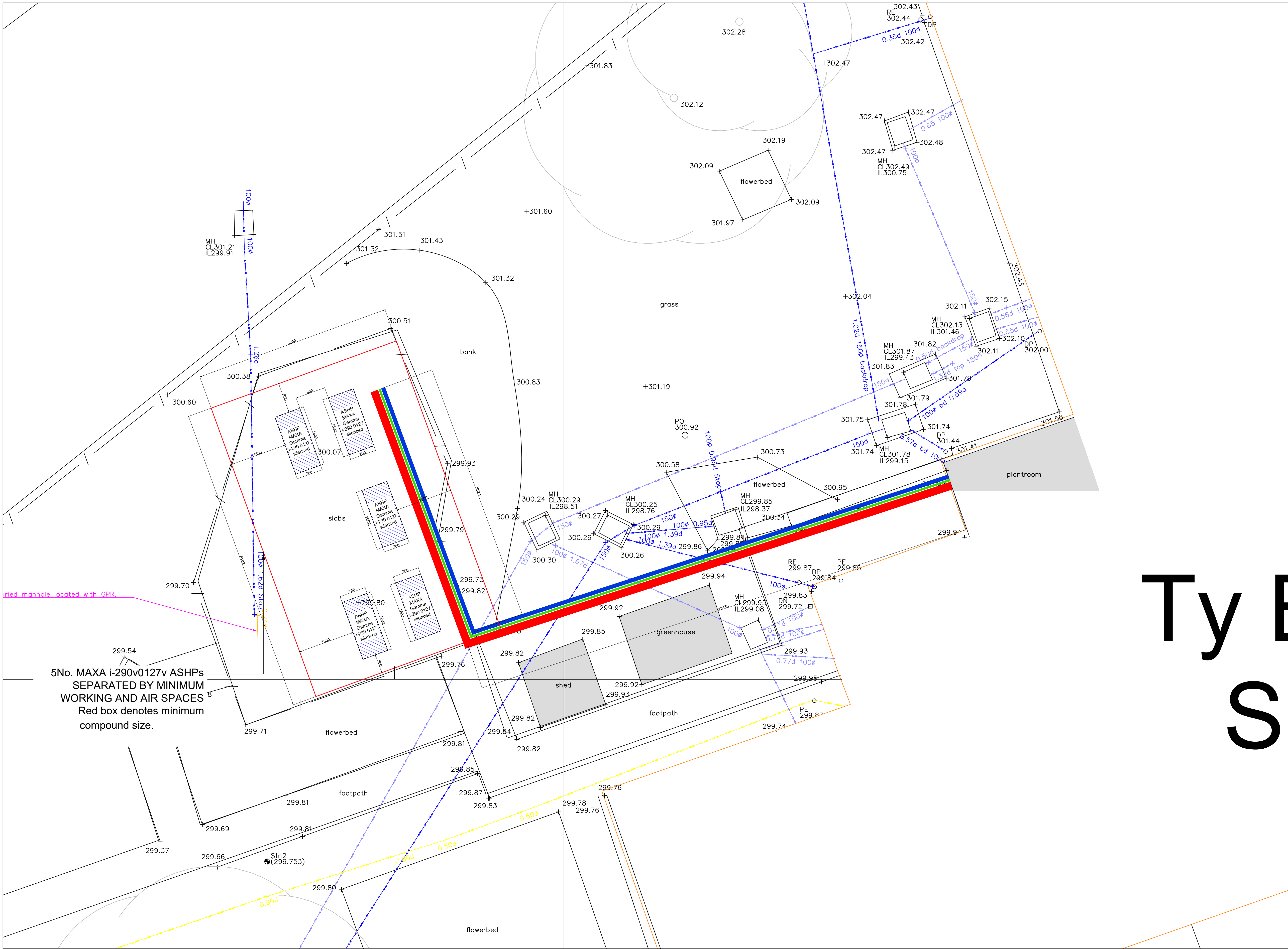




dried manhole located with GPR.

5No. MAXA i-290v0127v ASHPs
SEPARATED BY MINIMUM
WORKING AND AIR SPACES
Red box denotes minimum
compound size.

Ty Brynseion
S

NOTES:

1. This drawing shall be read in conjunction with Kensa Contracting design documents, equipment schedules, mechanical and electrical specifications and material & workmanship specifications, fire strategy report and all other contract documentation.
2. This drawing is intended to indicate design intent and should not be used as a construction drawing.
3. All works are to be undertaken in accordance with HSG47
4. All areas to be CAT Scanned prior to any excavation, if any services are detected then services are to be identified using hand digging
5. Pipe runs to be located so as to facilitate installation, removal and maintenance of all attendant fittings, equipment, insulation and accessories.
6. Below ground pipework to be installed in DN40 Mibec Microflex Duo pre insulated pipe MD16050C 50/4.6 or equal and approved.
7. Pre Insulated Mibec Pipework shall be terminated using the proprietary couplings and shrink cap prior to transitioning to copper EN 1057
8. Any penetrations through walls shall be carried out using proprietary wall feed-through supplied by Mibec
9. Above ground internal and external pipework to be installed in copper tube to BS EN 1057
10. Above ground pipework to be insulated 25mm foil faced class O phenolic foam with thermal conductivity of 0.025W/m.K incorporating pre-fabricated bends and tees.
11. Any external pipework insulation to be clad in strucco aluminium cladding to be fully weather proof.
12. Pipe supports shall be part of an insulated pipe support system consisting of higher density pipe insulation sections capable of supporting the weight of the pipe to ensure insulation is consistent for the length of the pipe run.
13. Both insulation and outer covering shall be continuous and not punctured by the supports
14. Above Ground Pipework shall be clearly labelled with identification banding in accordance with BS 1710 with colours to BS 4800
15. Internal pipework penetrating walls shall be adequately sleeved
16. Pipework penetrating fire barrier compartmentation shall be suitably sleeved and fire stopped by specialist in accordance with guidance as detailed in the ASFP Red Book and with a manufacturer tested and approved standard solution
17. All pipework systems to be dynamically flushed then filled with potable water with biocide and left under pressure.
18. Trenching widths to be the minimum as detailed on the drawing the trenching contractor shall assess the ground conditions on site and shall make appropriate allowances to mitigate the risks of trench collapse, whether this be by stepped trench, shuttering or benching
19. No operatives are to enter trenches without suitable trench protections being in place, the use of a trench box is recommended but it is down to the contractor conducting the works to ensure proper measures are taken to ensure the trenches do not collapse
20. As the work is subject to removal of hard standing such as tarmac, or concrete, reinstatement is to minimise the impact of such reinstatement, and alleviate any future defects. (Tarmac to be edged with liquified tar to allow for any movement, expansion, or contraction. Concrete to be finished to match existing. E.g. Tamped, roughed, polished, levelled or cambered.)
21. If ground conditions are found to be exceedingly stony or have large deposits of flint then the subcontractor is to lay 100mm of sand below and above the pipework to protect the pipework

P03	FOR REVIEW	SPM	01/06/2026
P02	FOR REVIEW	SPM	09/03/2026
P01	FOR REVIEW	SPM/ WY	11/06/2025
Rev	Description	Drw/Chk	Date
Project Name: Ty Brynseion			
Project Number: KR29521			

Site Address:
Ty Brynseion
Dowlais
South Wales
CF48 3SR

Client:
Wales and West Housing
77 Parc Ty Glas
Llanishen
Cardiff
CF14 5DU

Drawing Title: ASHP EXTERNAL LAYOUT - 1
Drawing No: KR29521-KEN-SW-00-DR-W-02202A
Revision No: P03
Suitability: D2 - Suitable for Tender

 **Kensa Contracting**
A KENSA GROUP COMPANY

SCALE:
1:50 @ A1 UNLESS
NOTED

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