



Foul drainage field to BS 6297:2007, 66.6m total trench length, 0.9m trench width, distribution pipe gradients no steeper than 1 in 200, 1.0m separation between parallel trench sides. Sited at least 15m from any building and 10m from any waterbody. Ground levels above drainage field to be flattened off 40.67 to provide maximum pipe cover levels of 0.4m. Refer to construction details.



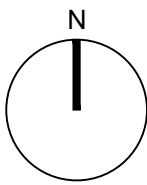
Residual Hazards and Maintenance:

- Unknown locations of buried service apparatus and drainage infrastructure; contractor to obtain details and trace all services prior to commencing main excavation works.
- No allowance has been made in the design for managing site run-off during construction.
- No surface water to discharge to foul water system and vice versa.
- Work to be carried out around adjacent properties.
- New sewer system requires protective cap seals during construction to prevent the entry of water and other liquids.
- Drainage field must be constructed in accordance with the design to ensure aerobic contact with filtration media.
- Sewage treatment plant requires ongoing maintenance and servicing in accordance with the manufacturer's and NRW requirements.
- Drainage field is required to be constructed with very shallow cover, and therefore this area must not be trafficked.

DISCLAIMER NOTES:

DO NOT SCALE THIS DOCUMENT - USE FIGURED DIMENSIONS ONLY
ALL DIMENSIONS MUST BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY RELATED WORKS.
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OS MAPPING OBTAINED FROM PROMAP LICENCE No. 100022432
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SCALE BAR & NORTH POINT:



Notes:

- For construction details refer to drawing SA44797-BRY-ST-PL-C-0002.
- System designed to comply with the NRW guidance document 'Advice to planning authorities for planning applications affecting phosphorus sensitive river Special Areas of Conservation'.
- Contractor to check all dimensions and levels. The Berrys Engineering team shall be contacted to discuss any queries or issues.
- Displayed levels are in metres and based on Ordnance Survey datum
- To be read in conjunction with supplied calculation sheets.
- All foul water drainage pipes are to be 100mm diameter with a minimum gradient of 1:80.
- Package treatment plant to be a located a minimum of 7 metres from all buildings.
- It is proposed to treat the foul drainage via a package treatment plant which then outfalls to a packaged pumping station which discharges to the drainage field.
- Sewage treatment plant requires regular inspections and at least annual treatment intervals.
- Drainage field areas to be planted with meadow grass, areas to be kept clear to shrubs and trees.

Key:

- Thermoplastic effluent drainage pipe, 100mm dia.
- Inspection chamber, 450mm internal dia. cover level and invert as indicated.
- Packaged sewage treatment plant to EN 12566- 2005 as WTE Vortex (or similar approved), for a minimum population of 8P. To be installed in accordance with the manufacturers instructions.
- Packaged pumping station, 1800 litre minimum inflow capacity with twin pumps and high level alarm. To be installed in accordance with the manufacturers instructions.
- Foul effluent drainage field, refer to detail.

REV	DESCRIPTION	DATE	BY	CHKD
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ORIGINATING OFFICE:				

BERRYS

STATUS: **CONSTRUCTION**

CLIENT:
Etonbrook Investment Ltd

PROJECT:
Old Farmhouse, Coed Derwen

DRAWING:
Detailed Foul Drainage Design

SCALE @ A1: DRAWN BY: CHKD BY: DATE:
1:125 AJB RSH 31.08.22

DRAWING No: REVISION:
SA44797 -BRY-ST -PL- C - 0001_ -