

[illegible]

Engineered swale to outfall at existing watercourse,
discharge to watercourse limited to 1l/s via flow restriction.
Profile of swale 0.2m wide base, 1 in 3 sloped sides. 1/500
longitudinal gradient. 0.5m Deep where possible. Bund to be
created along west side of swale using excavated material.
Refer to swale detail drawing no. 9864 - 003

Proposed h
into swale.

Driveway sub-base
stone 0.45m deep,
30% voids.

TANK 2
Attenuation tank, 95% voids. 4m x 23m x 0.8m. Outfall to be restricted to 1l/s. CL: 50.600 IL: 49.200

Orifice plate, restricted to 1l/s to utilise full volume of attenuation tank.

TANK 1
Attenuation tank, 95%
voids. 5m x 13m x 0.8m.
CL: 51.000
IL: 49.550

Tank 1 IL: 49

Orifice plate, restricted to 1l/s to utilise full volume of attenuation tank.

Driveway sub-base
stone 0.45m deep,
30% voids.

Driveway sub-base
stone 0.45m deep,
30% voids.

Geoseptor N3B 4.5:
Caters up to 2500m²

Proposed headwall at
beginning of swale.
Non return valve.
IL: 49.000

Hydrobrake ref:
CTL-SHE-0047-1000-0928-1000

CL: 50.000
IL: 49.072
SUMP INVERT LEVEL: 48.572
DESIGN HEAD: 0.928
SUMP DEPTH: 0.5

LEGEND	
Drainage	Description
1000 	Pipe diameter and fall gradient
	New private foul drain
	New private shallow foul inspection chamber (typ. 225mmØ) see construction details for max depths
	New private shallow foul inspection chamber (typ. 450mmØ) see construction details for max depths.
	New private foul inspection chamber (typ. 1200mmØ) see construction details for max depths.
	New private soil and vent pipe. All pipes from svp to first inspection chamber to be 100Ø laid at minimum 1/40 falls
	New private stub. All pipes from ss to first inspection chamber to be 100Ø laid at minimum 1/40 falls
	New private foul proprietary prepackaged pump set
	New private foul rising main
	New private surface water drain
	New private shallow surface water inspection chamber (typ. 225mmØ) see construction details for max depths.
	New private shallow inspection chamber (typ. 450mmØ) see construction details for max depths
	New private inspection chamber (typ. 1200mmØ) see construction details for max depths
rwp 	New private rain water down pipe
	New road gully (trapped & roddable)
	Indicative site boundary
	Proposed building Outline
	Proposed building
	New private permeable sub-base storage
	New private attenuation storage tank

 Live services may be present on site

1. All dimensions are in millimetres (mm) and levels in metres Above Ordnance Datum (mAOD) unless noted otherwise.
2. Do not scale from this drawing.
3. The copyright in this drawing belongs to dstructural; the designs and details may not be used on any project other than that indicated in the titleblock.
4. This design assumes that any applicable planning applications, building regulation applications, utility agreements and Party Wall agreements are approved and in place prior to the commencement of works.

1. All private drains shall be constructed and commissioned in accordance with the relevant sections of the Building Regulations Approved Documents and relevant British Standards.
2. Private foul water drains shall be laid at a minimum gradient of 1 in 80 or to the gradients and invert levels shown
3. Foul pipework connections to first access point shall be laid at a minimum gradient of 1 in 40 or to the levels shown.
4. All connections to be made soffit to soffit unless noted otherwise.
5. Pipe bedding to be class 'S' bedding (100 mm granular bed and surround).
6. Where cover to soffit of pipe is less than 600 mm in private areas, the following shall apply:-
 - a) Vitrified clay pipes - provide a 100 mm min. thick concrete bed and surround (instead of class 'S' bedding) and a 13 mm thick compressible filler at each joint.
 - b) uPVC pipes - provide a concrete bridging (in addition to class 'S' bedding) in accordance with appendix A15, Building Regulations part 'H'.
7. All concrete indicated in the construction of drainage infrastructure (pipe bedding, bridging, manholes etc) shall be standardised prescribed concrete ST2 and is to conform to BS EN 206-1 and BS 8500-2. The maximum aggregate size shall be 20mm.
8. Foundations adjacent to pipe runs or manholes are to have their formation level set above the invert level no higher than the equivalent of the horizontal distance between the pipe/excavation trench and the foundation, minus 500mm.
9. Excavations for manholes, pipe runs etc located within a 45 degree load distribution splay from any adjoining existing foundations, are to be adequately supported for the duration of the works and pipe runs protected as note 8 above.
10. Where excavations for pipe runs are parallel and in close proximity to each other and/or other service trenches, the Contractor shall ensure that adequate safety measures, including temporary shoring, are provided in line with current health & safety legislation and good practice. Particular attention is to be paid to adjacent trenches of differing invert levels.
11. All existing drainage found on site during the works shall be investigated, its operational status confirmed and the following applied:-
 - a) Inoperative drainage shall - be cut back and pipe runs filled with concrete gROUT.
 - b) 'Live' drainage shall be advised to the engineer.
12. RWP and Foul stack locations to be advised.

B	18.05.26	FOUL STRATEGY NOTE ADDED	SW	CL
A	11.05.26	DRAINAGE STRATEGY REVISED	SW	CL
-	09.04.26	FIRST ISSUE	SW	CL
Rev.	Date	Description	Drawn	Checked

FOR APPROVAL

LAND TO THE REAR OF ARLESEY ROAD,
ICKLEFORD

DRAINAGE STRATEGY SHEET 1 OF 2

1:125 @ A1

APRIL 2026

Dwg No: 9834-001

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ENGINEERING DIFFERENTLY

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