

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 - 305

Proposed headwall
into swale. Invert
Level 48.958.

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

Hyrdobrake ref:
CTL-SHE-0047-1000-1000-1000

CL: 50.000

SUMP INVERT LEVEL: 48.560
DESIGN HEAD: 1.0

SUMP DEPTH: 0.5

LEGEND

100ø 1/75	Pipe diameter and slope
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— — — — —
New private four

— — — — —
New private shaft
chamber (typ. 2)



New private foul
(typ. 1200mmØ)

○ SVP — — —

SS — —

	New private four prepackaged pu
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	New private four
	New private sur

— ○ —

New private share inspection chambers for construction details

— ○ — New private shaft (typ. 450mmØ) for max depths

—  —

rwpo	—	New private rain
		New road gully (t)

		Indicative site boundaries
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	Proposed building
	Proposed building



New private per

 New private attachment

	Diffuser crate
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It is the responsibility of the client to ensure that those undertaking the works are competent and experienced in the type of work to be undertaken.

In addition to the hazards usually associated with the types of work detailed on this drawing, the following specific hazards have been identified through design risk assessment. The planning and execution of the works should take into account all usual and specific hazards.

Hazards should also be taken into account in the maintenance, operation, decommissioning and demolition of the works.

 Responsibility for temporary works lies with the Contractor at all times

 Live services may be present on sit

NOTES

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.

General Drainage Specification

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. All connections to be made soffit to soffit unless noted otherwise.
3. Pipe bedding to be class 'S' bedding (150mm min granular bed and surround).
4. 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 Building Regulations part 'H'.
5. 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 & BS 8500-2. The maximum aggregate size shall be 20mm.
6. 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.
7. Excavations for manholes, pipe runs etc located within a 45 degree load distribution spray from any adjoining existing foundations, are to be adequately supported for the duration of the works and pipe runs protected as note 8 above.
8. 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.
9. 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.
10. Foul treatment and pump electrics and kiosk by others.
11. RWP into sub-basins via diffuser crate, as shown in construction details

D	24.07.26	SURFACE WATER REFERENCES UPDATED	SW	CL
C	26.06.26	DRAINAGE STRATEGY REVISED	SW	CL
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: 9834-301

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ENGINEERING DIFFERENTLY

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