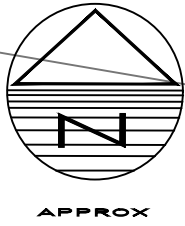




Drainage Strategy - Scale (1:100)



RWP AND SVP/FOUL CONNECTIONS
ARE SUBJECT TO FINAL
CONFIRMATION BY ARCHITECT

Key

Proposed Surface Water Drainage

Proposed Foul Water Drainage

Existing Sewer

This drawing is copyright of DART Engineers Ltd and must not be copied or reproduced in any way without written consent.

1. Do not scale off this drawing
2. This Drawing is for planning purposes only and should not be used as a construction drawing

Status

No.	Revision	Date	Drawn
-----	----------	------	-------

Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea and is less than 1 hectare, therefore a site specific flood risk assessment should not be required.

NPPF guidelines require that surface water arising from a developed site should as far as practicable be managed in a sustainable manner to mimic the surface water flows arising from the site prior to development.

Soakaway testing was undertaken by Dart Engineers in February 2026 which showed infiltration is not viable. Please refer to Dart Engineers Percolation Report for detail.

Surface Water:

The existing site is a greenfield therefore SW flows will be restricted to 3.5l/s/ based on previous planning consultation with Kirklees LLFA.

The proposed impermeable area is 1200m² including 10% urban creep, please refer to impermeable area plan. Based on a flow restriction of 3.5l/s and modeling using Causeway Flow software the attenuation requirement for a peak return period of 1 in 100 year plus 45% climate change is 141.4m³.

Flow restriction of 3.5l/s will be achieved using a Hydrobrake.

Attenuation for the proposed impermeable area of 1200m² to be provided via GEO-CELLULAR TANK = 130sqmx12m DEEP

Surface water from the proposed site will connect into the existing highway drain to the west of site.

Foul Water:

Foul water from the proposed site will connect into the private existing combined sewer to the north of site.

Maintenance:

The site is to remain private so the homeowners will be responsible for the management and maintenance of the tank and hydrobrake and all associated pipework in their curtilage, please refer to maintenance schedule for actions



Proposed Impermeable Area Plan 1,200m2 - Scale (1:500)

DART ENGINEERS LTD
CIVIL AND STRUCTURAL ENGINEERING

CONTACT

e: andy@dart-engineers.com
e: rob@dart-engineers.com
t: 01637 339627
w: www.dart-engineers.com

CLIENT

GRANGE MOOR HOMES LTD

PROJECT

LILEY LANE, GRANGE MOOR

DRAWING TITLE

Drainage Strategy

Drawn	AD	Chkd	RT	Date	FEB 2026	Scale	1:200
Sheet Size	A1	Drawing No.	26059-DR-C-0100	Revision			P4