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

Key

- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Existing Sewer

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	Drwn

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 1200m^2 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 141.4m^3.

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

Attenuation for the proposed impermeable area of 1200m^2 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

Drainage Strategy - Scale (1:100)

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: 01837 339827
w: www.dart-engineers.com

CLIENT: GRANGE MOOR HOMES LTD

PROJECT: LILEY LANE, GRANGE MOOR

DRAWING TITLE: Drainage Strategy

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