LEGEND

- Site Boundary
- FFL 134.65 — Proposed Finished Floor Level
- Proposed Surface Water Sewer
- Proposed Gully Connection
- Proposed Foul Water Sewer
- Flood Flow Falls
- Flood Flow Exceedance Routing
- Flood Flow Exceedance Low Points

The exceedance routing is based on the proposed final surface ground profile with all drainage below ground excluded to represent system failure (blockage/collapse).

Legend

Flooded Areas

TAY143 - Final Surface - 19.03.26, Rain: 50.0 cm., Water Depth: at least 10.0 cm.

0.0 m | 0.2 m | 0.4 m | 0.6 m | 0.8 m | 1.0 m

Flow Accumulation

TAY143 - Final Surface - 19.03.26, Flow Network Detail: at least 25.00 m³.

100 m³ | 1 ha | 1 km² | 100 km² | 10000 km²

Overland Flood Flow Routing

This plan shows the flood flow routing based on the proposed ground levels to establish flood flow routing and ponding.
The rainfall depth that has been applied is 50mm. The flow network detail shown is an area of 25sq.m and the darker blue of the two blues shows the extent of ponding where depths of 100mm would occur in this storm event (if all below ground systems have failed).

The model assumes there are no (zero) below ground drainage features like pipes, manholes and tanks or surface interception features like gullies and drainage channels - only overland flow is considered. This provides a precautionary approach assuming that all subsurface systems have failed and that all flow (without losses) is conveyed overland.

There is no flooding of the proposed dwellings in this extreme storm event even when there are no operational subsurface drainage systems.

Notes

1. Planning layout ref. Taylor Wimpey - 25053-1000H- Site Layout_2025-10-09 .
2. Topographical survey provided by 'GEO, ref 'G24104 - Stoney Lane, Prescot Topographical and Utility Survey', Dated March 2024.
3. Road detail, levels and layout are subject to local authority section 38 Highways approval.

0 5 10 20 30 40 50m

SCALE 1:500

P02	26.03.26	Up-Flo filter indicated — CP
P01	23.03.26	Preliminary issue for review — CP
Mark	Date	Details — By / Chk

Revision History

Drawing originator:

BETTS HYDRO CONSULTING ENGINEERS | BETTS ASSOCIATES CONSULTING ENGINEERS | BETTS GEO CONSULTING ENGINEERS

Client: Taylor Wimpey

Project title:

Glen Dimplex
Stoney Lane

Drawing title:

Flood Exceedance Routing

Scale: 1:500 for the original size of A0

Drawn by: CP | Checked by: - | Passed by: - | Date: Apr' 2025

Drawing status:

Job No:	Drawing No: Project	Origin	Volume	Level	Type	Discip	Number	Revision:
TAY143	GDX	BET	ZZ	XX	DR	C	0008	P02

Do not scale this drawing

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