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Flood exceedance note - Land rear of 23-43 Moor Lane, BD19 4LF.

This note is intended to explain flood exceedance routes and mitigation measure illustrated in the civils package for Land rear of 23-43 Moor Lane, BD19 4LF. This document should be read in conjunction with the following drawings.

- PV2511-APP-90-XX-DR-C-2400-P03 Levels Plan
- PV2511-APP-92-XX-DR-C-2500-P06 Drainage Plan
- PV2511-APP-92-XX-DR-C-2501-P05 Flood Exceedance Plan

Flood Exceedance

Overland flow paths and flood exceedance routes illustrate direction of runoff during epoch events and or significant failure to the drainage system (unlikely). Typically flood exceedance routes are governed by existing/proposed levels and location of drainage assets. The site is spatially constrained by boundary, tie-in points and topography which restricts opportunities to adjust levels for flood exceedance mitigation.

In this case, the flood exceedance path is directed (west to east across site), then south towards 41 Moor Lane's driveway and onto Moor Lane.

A second flood exceedance path was previously shown heading west to east and towards 21 Summerdale garden. This flood route has been omitted due to change in external levels e.g. new low point introduced near manhole S13, and 150-225mm parapet wall along plot 10 perimeter.

The following measures further reduce risks of runoff heading away from the Site.

- 100mm kerb upstand along the right-hand road channel (crossfall) throughout the site.
- Trapped road gullies spaced at 150m² or less and double gullies at low spots.
- Linear drainage channels where shallow lateral gradients exist.
- Catchpit chambers to minimise blockages due to silting.
- Maintenance regime in line with C753 SuDS Manual.

I trust the aforementioned clarifies design intention and mitigation of flood exceedance routes.

Yours sincerely,



Muddasser Ali
Senior Civil Engineer