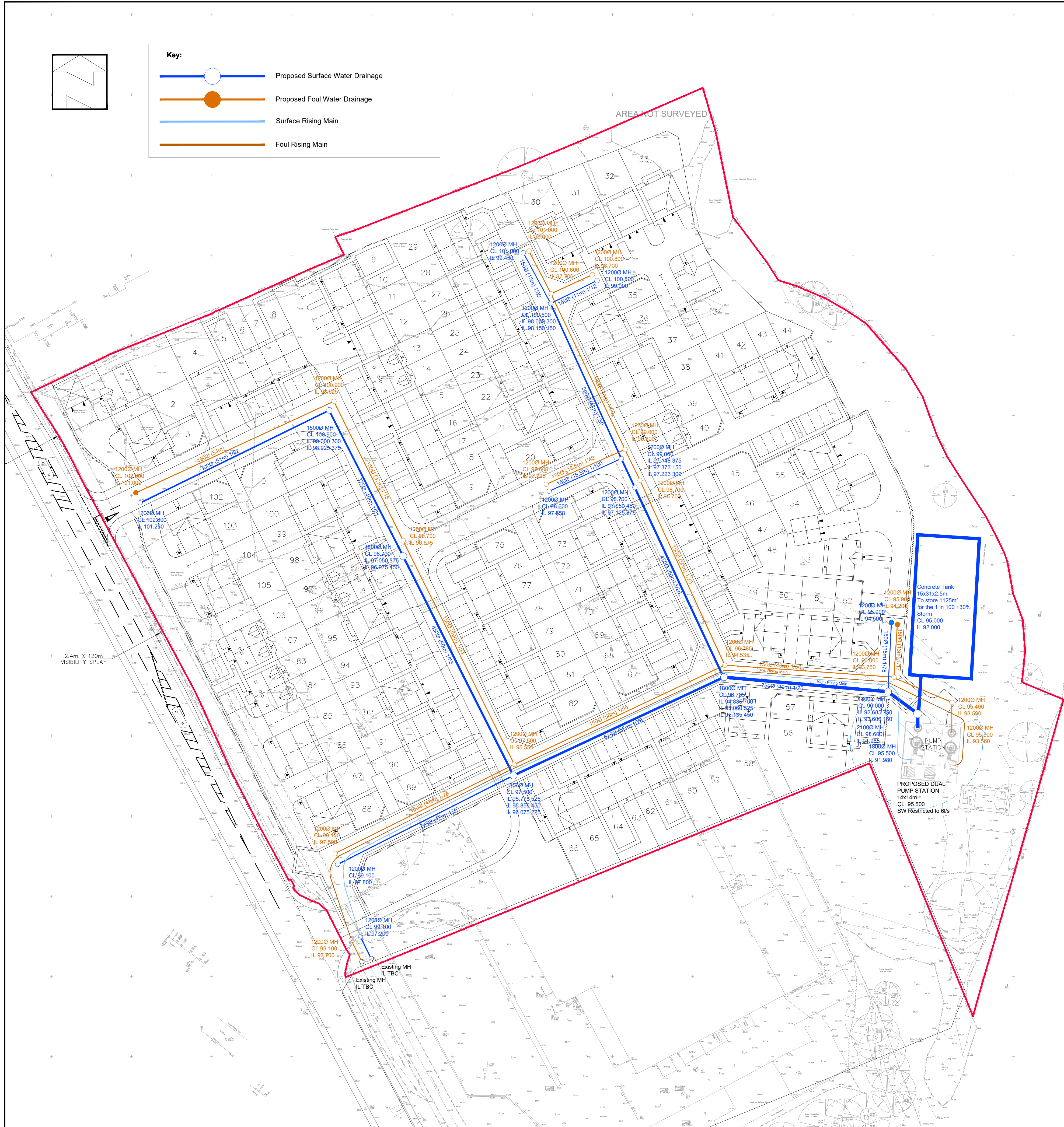




RWP AND SVP/FOUL CONNECTIONS
ARE SUBJECT TO FINAL
CONFIRMATION BY ARCHITECT



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Notes:

1. This drawing is to be read in conjunction with all relevant architect's and engineer's drawings.
2. It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea.

The site is currently Greenfield and has an area of 33629m². Calculations using IH124 method indicate the Greenfield run-off based on the site area is 6l/s.

Under SuDs guidance the first point of discharge for surface water is percolation via soakaway. It is proven that the ground conditions are not be suitable for soakaways. For details of the percolation test results please see report in site investigation.

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.

Surface Water:

Greenfield flow is calculated at 6l/s.

The proposed impermeable area is 13920m². Based on a flow restriction of 6l/s and modelling using Micro Drainage software the attenuation requirement for a peak return period of 1 in 100year plus 30% climate change is **xxm³**.

Attenuation to be provided via **CARLOW CONCRETE TANK (15x13.5x2.0m Deep)**.

Surface water to gravitate to proposed dual pumping station in the south east corner of site, pump discharge set at 6l/s and water to be pumped to existing manhole on site left by neighboring Lidl development

Foul Water:

Foul from the site will be an adopted network which will gravitate to an adopted foul pumping station in the south east corner of the site. This will be pumped to the existing manhole left on site by the neighboring Lidl development

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Project
WAKEFIELD ROAD
MAPPLEWELL

Drawing title
Drainage Strategy

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