

Tomlinson's Dairies – Cold Store Extensions Phases 1 & 2 and BMB Extension Phase 3
Surface Water Phasing
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We write to provide additional information in respect of the surface water drainage system, and how the operation will be maintained through the construction process.

I attach a draft drawing reference 14150.550 which highlights the diagrammatic drainage proposals during the three phases of construction. We are still undertaking the detailed design of the drainage and some of the levels may alter accordingly.

The Phasing of the works is described below and illustrated on the above drawing:

Phase 1

Initially the existing pond and outfall will be retained in position.

Phase 2

Whilst maintaining the existing system in operation the new below ground cellular attenuation will be formed. The existing embankment above the existing lagoon will be reduced to the final levels, this level is compatible with the continued use of the existing lagoon.

A new inlet arrangement will be formed to the north of the existing lagoon. A new outlet pipe will be installed to the south of the existing pond. This outlet pipe will incorporate a temporary length across the new pond location to allow water to be discharged from the cellular storage prior to the construction of the final lagoon.

The surface water flows will be diverted to the new cellular storage. As all of the phase 3 element of hardstanding will not yet be connected the provided attenuation volume in the cellular storage will cater for all storms in the temporary case.

Phase 3

The new pond to the south of the cellular attenuation will be formed and the original pond infilled; the temporary connection across the pond will be maintained during the construction of the banks.

A new outfall into the pond will be formed. The outfall structure will be completed with the temporary pipe section in place. Once complete the temporary pipe will be removed such that the outflow from the cellular storage runs through the new pond and the attenuation of the new pond is mobilized.

I hope the attached information is sufficient to illustrate the intended sequence. Should you require any further information please contact us.