



DRAINAGE STRATEGY STATEMENT

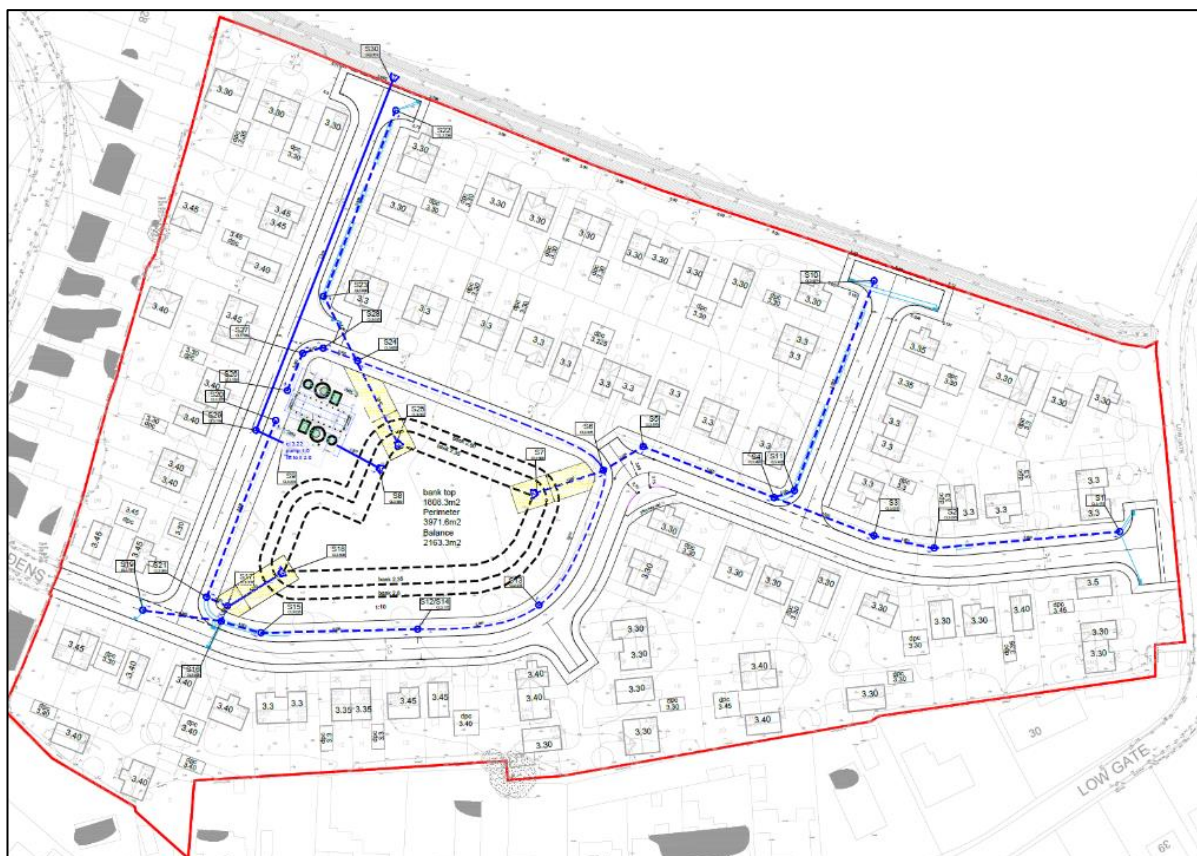
E827 York Gardens, Gosberton

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Surface water

Following national planning guidance regarding the hierarchical sequence for the disposal of surface water, Geo-Environmental Phase 2 Investigation report GML21156/2/0 concludes that the soils encountered during the site investigation **will not be suitable for in situ drainage** (i.e soakaways) due to the predominantly cohesive nature/low strengths of the material encountered.

As such, SDC propose **on site attenuation** with greenfield rate controlled **outfall to a surface water body**.



Extract from SDC Engineering Layout Drawing 'E827-10'

Surface water flows from dwellings are to be captured in private drainage apparatus and discharged into sewers in a traditional fashion via a number of demarcation chambers.

Highway run off however will discharge **over edge into SuDs features** in the form of a **perforated under drained swale** in line with Lincolnshire County Councils highway specification.

From here, flows gravitate towards a central basin, capable of attenuating 100year rainfall events plus climate change.

Plot FFL's are set a minimum of 700mm above top of basin level at 3.3 OD.

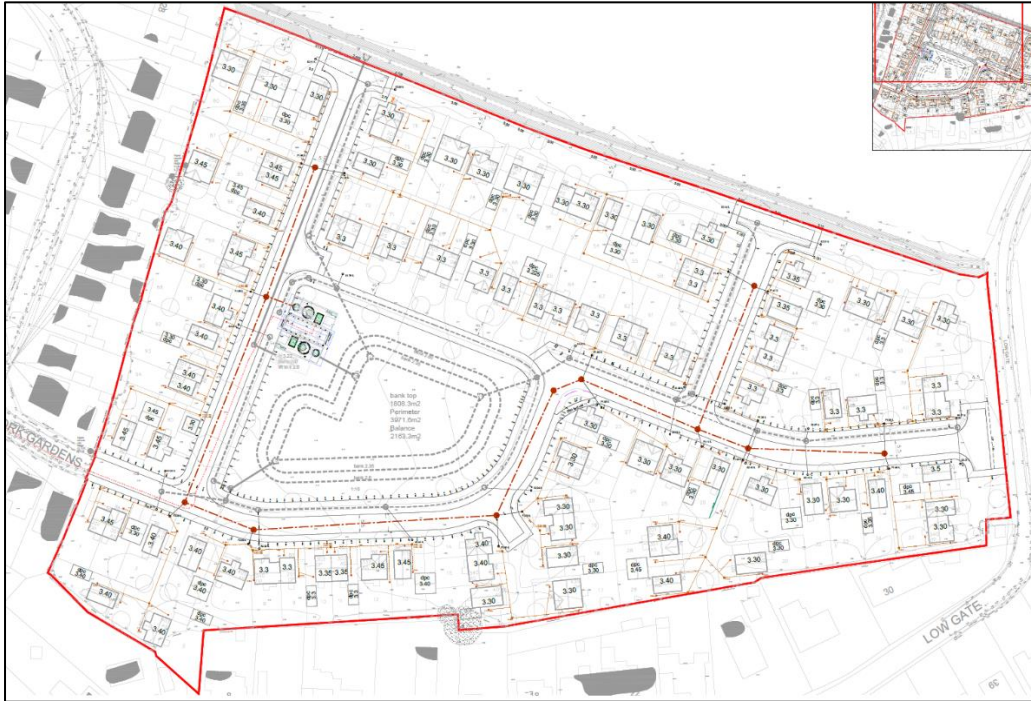
A **surface water pump** return flows (at greenfield rates) to sewers at an approximate level of 2.0 OD before achieving final **outfall at the IDB drainage ditch** to the sites immediate north.

Foul water

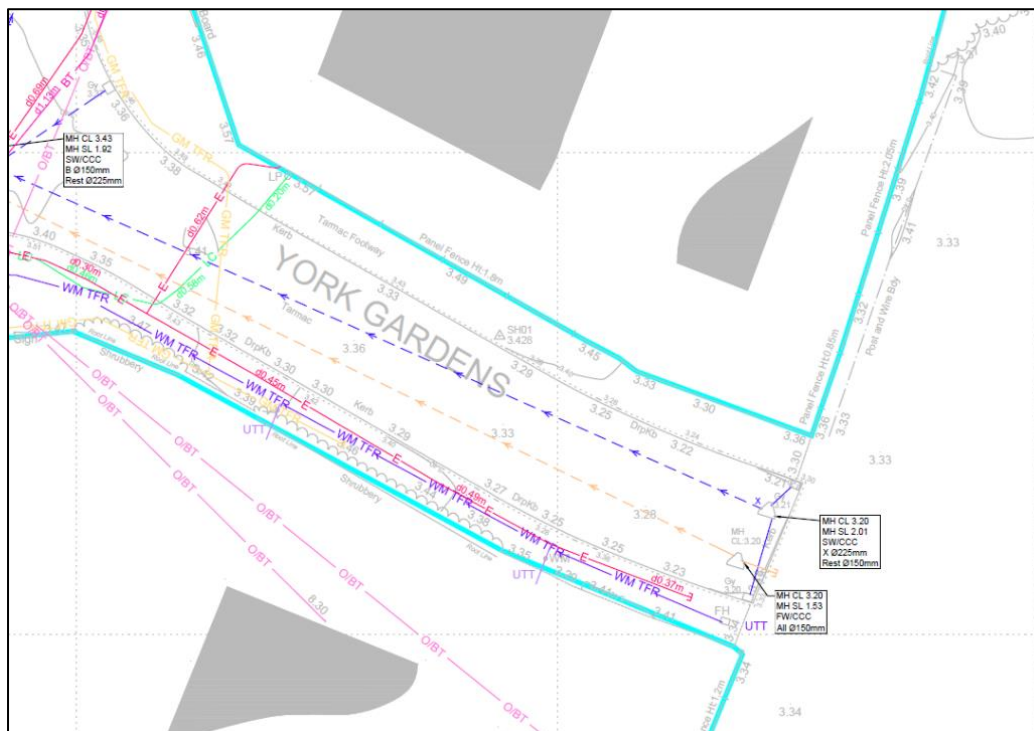
Foul water collects via private networks as indicated on E827-90 to 92.

Once discharged into S104 adoptable sewers, foul gravitates toward a centrally located wet well.

From here, flows are **pumped via rising main** (at a nominal rate of 5-6 l/s) into an existing **Anglian Water sewer manhole** within York Gardens.



Extract from SDC Private drainage drawing 'E827-90'



Survey Hub Utility Survey Drawing 4665 indicating foul outfall in York Gardens