

ADDENDUM TO FLOOD RISK ASSESSMENT

Proposed Leisure Development
Boston West Golf Club
Hubberts Bridge
Boston.
PE20 3QX

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RMA

FOUL WATER DRAINAGE STRATEGY

The original proposal for the disposal of the foul drainage was to connect this to a series (6No) sewage package treatment units with a common effluent pipe connecting to the Black Sluice Ten Foot Drain on the south-western boundary.

Further consultations have been held with Anglian Water and a solution has been agreed with them which enables the foul drainage to be connected into the public sewerage system close to Hubberts Bridge Community Centre.

It is proposed that a foul on-site pumping station will be provided to meet Anglian Water standards for inclusion in a Water Industry Act 1991 Section 104 Agreement, will pump the foul flows via a rising main to discharge into Anglian Water manhole ref 0703.

The on-site foul water drainage strategy has been prepared based on the site topography and therefore the on-site foul water network design means that all of the sewers will fall by gravity to the proposed pumping station, generally be set out along the spine roads through the development area.

Foul water drains (private foul water pipes from individual units) will be designed in accordance with the Building Regulations Part H which requires the following design parameters to be used: -

Minimum gradient for a gravity foul sewer should be

- a) 100mm nominal internal diameter for 10 properties or less laid to a gradient not flatter than 1 in 80 where there is at least one WC connected.
- b) 150mm nominal internal diameter for 10 properties or more laid to a gradient not flatter than 1 in 150 where there is at least 10 properties connected.

Maintenance of Drainage System

The site management will be responsible for the ongoing maintenance of the site, which will include the drainage from the lodges to the pumping station. The Pumping station, storage tank and rising main will be adopted by Anglian Water under the Water Industry Act 1991 Section 104 Agreement.

