

Proposed residential development at Boston Road, Gosberton

Drainage Strategy

Revision A – 9th March 2022

Introduction

This drainage strategy report has been produced to accompany a planning application for a residential development on land off Boston Road, Gosberton. This document should be read in conjunction with the Drainage Strategy drawing.

Foul Water

The properties will discharge into a foul drain constructed as part of the new estate road. The estate road sewer will connect to a new pumping station which will be adopted by Anglian Water. The outfall from the pumping station will be via a rising main connected to an existing Anglian Water inspection chamber within Medway Close. The sewer within the new estate road will be offered to Anglian Water for adoption under a Section 104 Agreement. See Concept Drainage Strategy drawing.

Surface Water from Adopted Highway

At present the land is used as a grass field/ former horticultural nursery and recent ground investigation work has suggested a poor infiltration rate and therefore it is unlikely that soakaways would work as a solution. As the planning application is for twenty plots a SuDS scheme is required. The road will be drained using a filter drain to the northern side of the road which in turn is connected to a new surface water sewer constructed as part of the estate road construction. The surface water sewer will discharge into a detention basin within the Public Open Space which in turn discharges to the IDB drain to the north of the application site. The surface water sewer within the estate road will be offered to Anglian Water for adoption under a Section 104 agreement. See Concept Drainage Strategy drawing.

Surface Water from Roofs and Private Drives

All private drives will be permeable with appropriate sub-base attenuation. Roof water will be collected through a gutter system. Both will in turn connected into the sewer within the new estate road.

Conclusion

The above drainage strategy demonstrates that the site can be drained appropriately. Both foul and surface water sewers will be offered for adoption by Anglian Water under a Section 104 agreement. The surface water discharge will be attenuated to 5 l/s in line with discussions with the Internal Drainage Board.