

# Drainage Statement

## Land off Redbourne Road, Hibaldstow, DN20 9NN

This drainage statement supports the planning application for the erection of a new agricultural building and an extension to an existing agricultural building located within an existing farmyard on land off Mill Road, Redbourne Road, Hibaldstow.

### **Surface Water Drainage**

The proposed buildings will be fitted with roof guttering systems designed to efficiently capture rainwater. All collected surface water from the roof areas will be directed into on-site soakaways.

The underlying soil conditions of the site are described as chalk and limestone based, which are typically free draining and highly permeable. These soil types are particularly well suited for infiltration drainage solutions such as soakaways, allowing water to naturally infiltrate into the ground, thereby reducing surface water runoff and promoting sustainable drainage practices.

The development is situated within Flood Zone 1, indicating a low probability of flooding. Given this and the naturally absorbent characteristics of the soil, the use of soakaways represents an appropriate and sustainable solution to managing surface water on site.

### **Conclusion**

The proposed surface and foul water drainage arrangements are appropriate for the rural location and site conditions. The use of soakaways for roof drainage and a septic tank for foul water is consistent with best practice in agricultural developments on permeable ground. The development poses no increased flood risk on-site or to the surrounding land, and the proposed drainage strategy supports the objectives of sustainable development.