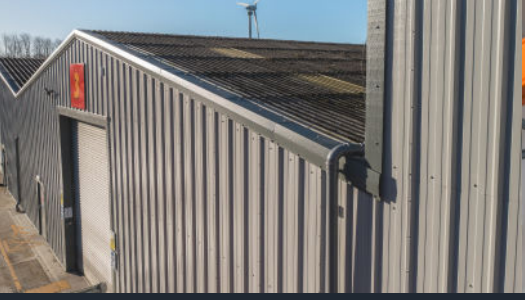
trundley

DESIGN | CONSTRUCTION | NEW HOMES

Rainwater System Upgrade
Swaffham, Norfolk

Overview

Ge-Be Transport, a returning client of ours, approached us after some heavy rainfall to enquire about increasing the capacity of their rainwater drainage system. After much deliberation regarding various options, we found the solution that best suited their needs and budget.



Completion Date: December 2023

Scope of Works: Rainwater system upgrade for Transport Haulage client

Design Team: Nigel Gates, Ian Trundley & Ben Trundley

Project Management and Construction Team: Ben Trundley

Project

The project itself solved the problem on two fronts. Firstly, we sought to increase the capacity of the existing underground part of the system by increasing pipework diameter from 150mm to 450mm. This ensures that there is no potential for the system to back up and rain water is efficiently carried away from site into local waterways. Secondly, we had to increase the capacity of the above-ground part of the system. To do this, we installed a downpipe header run internally suspended from the warehouse eaves beam, this header had several connections to the system above, allowing any overflow water when the existing gutter is overpowered to enter the suspended pipe and travel into the new underground drainage. The suspended pipe passed through new penetrations in the warehouse's external wall and was connected to the underground system via newly installed downpipes.

Conclusion

In conclusion, our client has since had no issue with rainwater drainage and are very happy with the work undertaken. We were able to design and build an efficient solution to a challenging problem all whilst causing minimal disturbance to our client's daily operations.

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