

## Vauxhall Northants ticks all the boxes

**Who:**  
Vauxhall Motors

**Civil engineers:**  
Paul Nicholls & Co

**Where:**  
Northampton dealership

**Main contractor:**  
Rainton Construction, MGL Group

**What:**  
Combined attenuation & drainage system



### Project details

**Background to specification:**

Vauxhall Northampton is not just another success story for our stormwater tanks - it's classic proof of Tubosider's valued expertise and superior systems.

"Even to an experienced consulting engineer with a good knowledge of stormwater attenuation, it is extremely beneficial to work with Tubosider's technical team to develop the most efficient solution," says Lindsay Baxter, working with Paul Nicholls & Co Consulting Civil & Structural Engineers.

His company has worked many times with Tubosider, most recently on the Cheshire Oaks Honda / Hyundai dealerships at Ellesmere Port, with another attenuation system in the pipeline for Tubosider to work on.

"Tubosider live and breathe stormwater solutions, so they are able to offer significant design guidance to enhance our proposals and ensure the final solution was simple and cost effective."

**Key criteria:**

Like many other civil engineers considering performance and maintenance of storage systems, Lindsay has become increasingly doubtful about the long-term viability of alternative crate storage systems. Issues ranging from complexity of installation to cleaning & performance difficulties associated with the build-up of silt and debris etc all indicate that a simple accessible tank is preferable.

"Having worked with Tubosider on many projects, I have been impressed with the technical assistance ranging from rainfall intensity calculations, optimised storage volume calculations, efficient combined storage & drainage pipe solutions and integrated pumping systems. The excellent service extends from preliminary design stage to final construction."

**Solution & benefits:**

Behind the smooth installation of a single run tank is another example of what Tubosider excels at - helping the engineer arrive at the ultimate solution for the required attenuation. In this case, a 510 cubic metre tank in 1800mm diameter pipe with a built-in pump, combining attenuation with the drainage system and saving 4 manholes on the original scheme. Excellence from design to construction is certainly the experience of the contractors at Vauxhall, Rainton Construction, part of the MGL Group. Contracts manager Gordon Nattress was with CPS Civil Engineering before joining MGL 10 years ago and is well experienced in attenuation systems.

"I rate Tubosider highly - their systems are quick and easy to install. Usually I've installed gravity systems, but with or without a pumping station, they always go in smoothly first time.

"The attenuation provided by the Vauxhall tank is considerable, no bad thing considering the nature of the ground and its flood plain location, and sensible if the client plans to expand."

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