



## Case Study

# StormWater tank protects tunnel entrance from flooding

ViaCon delivered a 430 m<sup>3</sup> tank solution in corrugated steel to manage rainwater and road washwater in a major infrastructure project in Sweden.

## The Challenge

As part of a major road project in Sweden, the contractor needed to manage large volumes of rainwater and washwater generated by a widened road and a new tunnel entrance. To avoid flooding at the tunnel entrance and safely handle water from the road, a reliable retention solution was required.

## The Solution

To manage the rainwater and washwater and protect the tunnel entrance, the customer chose a ViaCon retention tank solution with a total volume of 430 m<sup>3</sup>.

The tank was manufactured in HelCor® hot-dip galvanised corrugated steel, providing a durable solution designed to collect and store water for many years ahead.

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The system consisted of five DN1800 pipes, each 33.7 metres long, connected in parallel through a D200 interconnection pipe. This created the required storage volume while offering an efficient and practical solution for the site conditions.

## The ViaCon advantage

ViaCon delivered a cost-effective solution that met the required retention volume and helped solve a demanding logistics challenge. The full delivery was brought directly into the excavation area, with 12 trucks unloaded on site in a single day.

ViaCon also carried out the installation, assembling the pipework on site to ensure an efficient process from delivery to completed solution.

In addition to efficient stormwater management, the solution offers a low CO<sub>2</sub> footprint and an expected service life of at least 50 years.



## Technical specifications

Retention volume: 430 m<sup>3</sup>

Main pipes: 5 pcs DN1800

Pipe length: 33.7 m each

Configuration: Parallel connected

Interconnection pipe: D200

Bulkheads: 10 pcs

Pipe sections: 3 sections per pipe

Inspection shafts: 2 per pipe

Additional wells/manholes: 2

Material: HelCor® hot-dip galvanised corrugated steel

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[www.viaconacademy.com](http://www.viaconacademy.com)



## Contact us

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