

Luas Green Line extension, Dublin

Who:

Railway Procurement Agency
for Veolia Transport

Where:

11 stop B1 extension from
Sandyford to Brides Glen

What:

Series of stormwater attenuation
tanks over 7.5 km

Specifier:

The **BOWEN** Group

Main contractors:



Project details

Project requirements:

Surface drainage and stormwater attenuation

Total project cost:

€75 million

Key criteria:

Cost effectiveness (better than concrete), speed of
turnround and ease of installation, reduced carbon footprint
in manufacture and reduced main contractor attendances,
plus the other environmental and safety considerations.

Solution achieved:

First and largest 430m³ tank delivered in 3 weeks and
installed in 4 days - commissioned in a third of the time of
concrete with less storage space and no need for heavy
lifting gear or specialist equipment to install.

Other benefits:

The tanks beneath the track are impossible to access in the
line of the trains, so they have been specially designed with
an extended manifold and access shafts at each end, giving
easy in-tank monitoring and maintenance.



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