

ELIQUO | HYDROK

Casestudy

*CWF Storm Flush “Flushing Bell”
Buffalo Court*



Buffalo Court

Client: United Utilities

Eliquo Hydrok successfully completed the installation of a 3m diameter x 3.5m high CWF Storm Flush “flushing bell” storm tank cleaning system as part of United Utilities Salford 172 Project (Buffalo Court).

The Salford 172 project includes a 4,500m³ new storm retention tank and diversion chamber designed to prevent discharge to the local watercourse during storm/heavy rainfall conditions, it is fed by the originally constructed 3m diameter Victorian sewer with a potential of flows up to 6,000 l/s in storm conditions.

The tank itself is a 21m diameter X 24m deep excavation with secant pile walls requiring bespoke bracketry to be designed and manufactured to support the vacuum break pipe, break control pipe work and valve station. Eliquo Hydrok installed and fully commissioned the entire system (including the carrying out of a full flush) in just 2 ½ days.

GCA the principal contractor on the scheme were delighted with overall performance, timely delivery and installation of the system. Alan England (GCA M&E Team Leader) commenting on the witnessing of the full flush during commissioning said “on viewing the first 'Flushing Bell' operation, we were more than impressed at the efficiency of the system; the floor of the chamber was as clean as we had seen it!”.




Eliquo Hydrok have now completed many CWF Storm Flush 'Flushing Bell' installations for several Water Companies within the UK water industry. The 'off-site' manufacture of the CWF Storm Flush minimises 'on-site' disruption by speeding up the installation process whilst offering a cost-effective solution.

This technology provides a non-powered, zero maintenance flushing system that efficiently flushes the sediment deposited onto the floor of a storm water storage tank following each storm event.

For further information on the Eliquo Hydrok CWF Storm Flush contact:

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The CWF 'Flushing Bell', a non-mechanical,
self-regulating and automatic storm tank
flushing system.

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