

New Cheltenham Road

Overview:

Site Location:	>> New Cheltenham, Bristol
Client:	>> Wessex Water
Contract Value:	>> £870,000.00
Project Duration:	>> 7 Months

The New Cheltenham Road scheme provides additional offline storage to the sewer network of approximately 200m³ in the form of a 7.5mØ, 7m deep segmental shaft. 6mm screening was also provided at 4No locations within the New Cheltenham area of Bristol.



Due to the hydraulics of the existing system, one screening chamber had to be located in the middle of a busy double roundabout on New Cheltenham Road. Through ECI, Lewis civil Engineering carried out extensive planning with South Gloucestershire Highways and came up with a temporary road layout which would minimise disruption to the road network and also allow the safe construction of the CSO. The spill pipework to the shaft was constructed by directional Auger, involving a 45m shot across the roundabout, further reducing highway disruption.



Ground conditions dictated that the shaft was sunk with a cutting ring for the 5m, with the last 2 rings being underpinned.

New Cheltenham Road was a difficult and challenging project that was delivered with minimal impact on highway users and Wessex Water customers, which given the location, is an achievement.

The scheme itself was delivered with exemplary H&S standard's and was testimony to early contractor involvement and an aligned Project Delivery Team.



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