

GOUGH ROAD SEWER IMPROVEMENT SCHEME

Gough Road at Catterick Garrison is a major road used by nearly 20,000 civilians, soldiers and recruits on a regular basis to access amenities, such as the Leisure Centre and Supermarket. C2C Services completed the Sewer Improvement project along Gough Road in order to improve standards of flow, juggling a number of technical and logistical challenges, and replacing almost one kilometre of sewer. The reinstatement of Gough Road has met the required standards and the road is now fully open again.

Project Objectives

The objectives for this development were to bring the drainage system up to current Sewers for Adoption standards, to divert the existing MoD infrastructure from what is now privately owned land, for the MoD this allowed the existing sewers to be moved outside of the residential property boundary, whilst improving and upgrading the assets and reducing the risk of flooding downstream towards the centre of Catterick.

Facts and Figures

- Work began in November 2009, and was successfully completed in March 2010.
- Approximately one kilometre of sewer and 150 meters of tank sewer were installed.
- Providing around 100m³ of retention in order to limit the flow of discharge.

Challenges Overcome

This project involved working in a busy residential area, so minimum disruption needed to be caused. Regular liaison meetings were set up and excellent communications maintained between the MoD, C2C and local residents to ensure that any concerns were dealt with efficiently and effectively. The scheme posed logistical and technical challenges, with rolling road closures and the use of temporary traffic lights to ensure access was maintained. The construction of the road over the sewer needed to be heavy-duty in order to withstand regular use by tanks, as well as the usual road vehicles. Adverse winter weather conditions were also faced, meaning it was sometimes too cold to concrete, with temperatures dropping as low as -9°C.

Excavation
of Gough
Road



Concreting
of Gough
Road



Upgraded
inlet pipe



Extended
sewer
depth



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