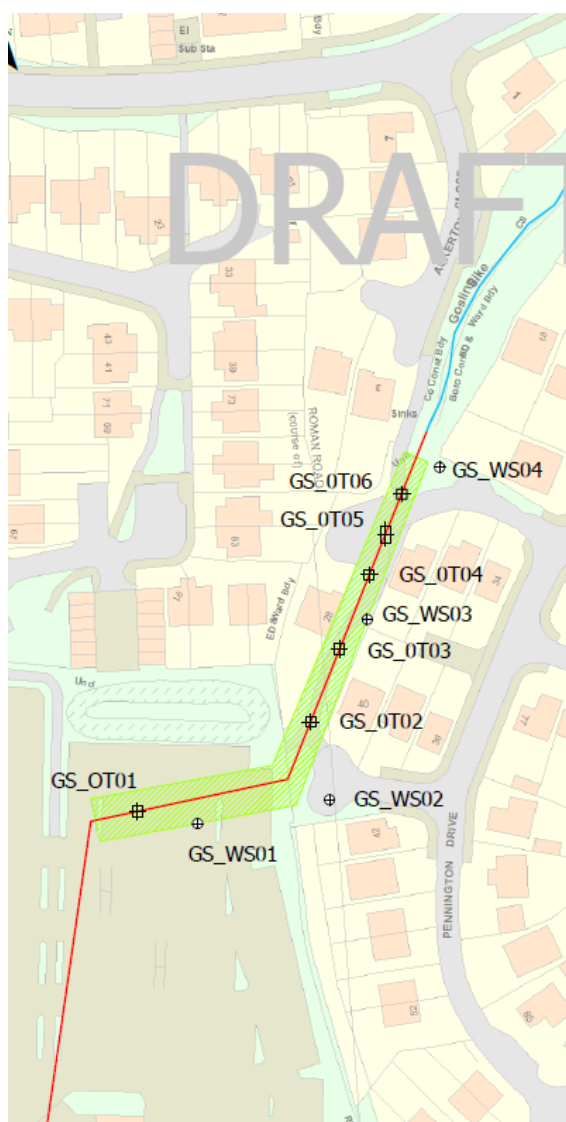


# Gosling Sike Flood Risk Management Scheme – Ground Investigation Work

August 2019

## Background

We have been developing proposals for a Flood Risk Management Scheme to provide increased flood protection in the area of Carlisle shown in Figure 1. The proposed work is to upsize an existing culvert which runs beneath the footpath in Askerton Close and Pennington Drive. The culvert has been overwhelmed in recent years causing flooding to properties around Askerton Close and Pennington Drive and the car park to the Morrison's store.



The existing culvert is 525mm in diameter. The proposed upsizing will result in this being replaced by a 1050-1200mm diameter.

## What are we doing now?

We are progressing the detailed designs for the proposed scheme and part of this is to understand ground conditions in key locations as this is fundamental to the design and construction of the scheme. In order for us to understand the ground conditions we intend to drill boreholes along the footpath through Pennington Drive and then into Morrison's car park. These will each be drilled, backfilled and re-surfaced in one day. The whole process will take three to four days. The map in Figure 1 indicates approximately where these holes will be.

Boreholes are vertical tubes inserted into the ground to collect samples of the underlying ground conditions. The material collected will be tested for permeability, strength, composition and chemical analysis.

## How will this impact me?

In order to keep the impact to a minimum, footpath closure will be in place between 8am and 5pm and the borehole work will start at 8.30am and will be finished by 4.30pm. We aim to keep disruption to a minimum but there may be some noise which will be closely monitored but unfortunately cannot be avoided.

The works will take place over one week at the beginning of September. We will send a Notice of Entry to the owners of all affected properties. This notice may seem very formal but rest assured it is designed to be informative and to protect all parties.

Short term Footpath Diversions may be necessary and will be managed and signed by the Contractors on site.

Figure 1 Borehole and Window Sample Location Plan

## Contacting us

If you have any queries please call the Environment Agency's Project Managers, Audra Waite, on 07768 730257 ([audra.waite@environment-agency.gov.uk](mailto:audra.waite@environment-agency.gov.uk)) or Alex Whitworth, on 07881 010127 ([alexander.whitworth@environment-agency.gov.uk](mailto:alexander.whitworth@environment-agency.gov.uk)).

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