

# Case Study

## Flood Prevention Scheme Braidburn, Edinburgh



### Project Description:

We worked with the main contractor to provide an effective solution to build the flood prevention system which was ultimately designed to divert flood volumes from specific low lying areas

We were engaged to provide an effective ground engineering solution after the failure of the original strategy for the embankments.

**Key Works:** Earthworks  
Soil Stabilisation  
Screening & Processing

**Client:** City of Edinburgh Council

**Main Contractor:** Carillion

### Project Challenges / GDL Solutions:

- In lieu of the original dig and dump strategy we were able to stabilise existing unsuitable wet clays and silt material on-site, along with other excess formation material that had been excavated by the contractor on other areas of the Flood Prevention works to create earth flood embankments.
- In order that the fill material could be used to achieve the required development levels we provided chemical testing of the ash and shale spoil to prove its potential to leach.

### Project Benefits for Client:

- We were able to offer specialist technical expertise to get this project back on track as our strategy provided a programme where works were able to proceed during varying weather conditions.
- A cost effective low-carbon, environmentally-friendly and sustainable solution that was structurally sound, and completed on time and under budget.



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