

Drumchapel, Glasgow - Multi-partner Cross-boundary Multi-phase

The focus of this scheme is a multi-partner integrated surface water management (SWM) solution in an area with long-standing sewer and watercourse flooding issues. The Colquhoun Park Flood Alleviation Scheme applied a phased approach to implement a cross-boundary (cross municipality) solution by MGSDP partners (<https://www.mgsdp.org/>) East Dunbartonshire Council (EDC), Scottish Water and Glasgow City Council. By working together, a saving of £1m-1.5m was realised by the partners. The partners initially identified opportunities to join up solutions in SWM planning:

“it was the right way to plan, identify opportunities and work out solutions together for a more holistic drainage solution that removed properties off the flood risk register” MGSDP Partner

Phase 1 (2014), funded by EDC in collaboration with Scottish Water, implemented SWM solutions in public open space, close to housing and schools. Sections of the local burn were de-culverted, and a skating pond reinstated to provide flood storage areas and enhance local biodiversity. Areas of raised ground aided management of above ground flows with play areas relocated and upgraded to deliver community benefits (Figure 3). Phase 2 (2016) was a £18m investment by Scottish Water to upgrade infrastructure and increase network capacity to address sewer flooding and open up development land to the north-west of the city. Phase 3 (2020) funding came via £5m from the Glasgow City Region City Deal and was used to further reduce flood risks in EDC and downstream city catchments.

The project also unlocked development on previously undevelopable land and created employment and work experience opportunities. Solutions include the creation of on-line storage areas along a local watercourse using the natural topography as temporary floodplain storage. Active travel routes, foot bridges and play areas were also installed to increase amenity benefits for the local community.



On-line storage and public amenity areas on the Burn (stream)

LESSONS LEARNT: Partnership working helped to overcome funding and technical complexities and helped drive down costs.