



Ruchill SuDS Ponds

Background

The Ruchill Keppoch Local Development Strategy (LDS) provided the guidance and policy context for the Glasgow TRUST Project. This provided funding for the regeneration of a large local park, enabling greenspace regeneration as part of a bigger programme including new housing, schools and a commercial centre.

Objectives

The project objectives, implemented through a series of attenuation ponds, included:

- Unlocking local development potential;
- Remove surface water from existing combined sewer;
- Reduce risk of flooding and pollution of adjacent watercourses;
- Enhance the quality of the environment and diversity;
- Improve water quality prior to final discharge.

Sustainable Drainage System (SuDS)

The project features 3 attenuation ponds in Ruchill Park to manage excess surface water, reduce the risk of flooding and reduce the risk of pollution entering streams and rivers. They use natural methods to store water, providing base level of treatment, and then controlling its release. Their use also has the benefit of contributing to biodiversity and nature conservation.

Each pond feeds the adjacent lower pond by gravity and eventually discharges through a pipe, under a local street, to the local canal system. The ponds always retain a volume of water, but also have a significant additional attenuation capacity, and include aquatic planting and extensive landscaping. There was extensive consultation involving the local community, which is very supportive of the resulting amenities, including a network of paths and a platform which offers educational and recreational opportunities.



MGSDP Partners

- Glasgow City Council
- SEPA
- British Waterways (now Scottish Canals)

MGSDP Objectives Met

- Enabling Economic Development
- Water Quality Improvement
- Flood Risk Reduction
- Habitat Improvement
- Integrated Investment Planning

MGSDP Guiding Principals Met

- Enhancement of our urban biodiversity and landscape
- Design for the severity of the rain
- Presumption that water will be kept on the surface
- Creation of integrated blue-green networks
- Integrated urban master planning and design
- Sustainable and affordable drainage solutions
- Climate change ready

Project Status

- Operational 2008

Contract Value

- £500,000

Key Project Elements

- Series of 3, linked, attenuation ponds
- Creation of bio-diverse, aquatic habitat
- Discharge to local canal

