

PROJECT PROFILE: Black Devon, Alloa, Clackmannanshire



Location	Black Devon Landfill Site, Firth of Forth, Alloa , Scotland.
Client	Clackmannanshire Council
Value	£750k
Duration	16 weeks.
Quantities	45,000m3 of Topsoil. 200,000m3 of site won materials.
Description	<p>The works consisted of the capping of a landfill site with materials recovered from the formation of a wetland area for birds.</p> <p>The works created a body of water, which consists of a single, linked, seasonal pond in winter, when water level is highest, which becomes smaller, multiple basins of varying size and permanence in summer. It created open water, sheltered bays and a variety of depths to maximize the potential for a mosaic of habitats and biodiversity.</p> <p>Existing vegetation was excavated and stockpiled for re-use. This material was broken up as much as possible mechanically to provide a more workable material when reused.</p> <p>Topsoil and subsoil volumes of 240,000 m3 were excavated to provide a material cap to the landfill. A balance was required to be reached between extracting enough material to provide the cap whilst maximizing the opportunities for the environmental enhancement of the site by creating a wetland and associated habitats.</p> <p>The earthworks required to be carried out in such a way that the finalised appearance was as natural as possible. Even and regular cutting was to be avoided and top and bottoms of slopes were graded out to avoid sharp angles. The wetland was excavated to achieve natural looking hollows, with shallow sides, gentle, irregular and naturalistic gradients and varying depths. The deepest pools were 1.5 m deep but had to account for no more than 20% of the total wetland area.</p>
Referee	<p>Mr Robert Kerr Marshall Construction 01259 219500</p>