

PROJECT PROFILE:



Location	Starlaw Park, Livingston, Glen Turner Bottling Facility
Client	BALFOUR BEATTY
Value	£1.5m
Duration	19Wks
Quantities	Topsoil Strip 40,000m ³ , Cut/Fill 250,000m ³ , Stone Import 60,000 t, Landscape Fill Material 45,000m ³ . Off site 22, 000 m ³
Project Description	The contract was awarded for a bottling facility and bonded warehouse development consisting of eventually 22 units. The first phase encompasses the main access and fire roads around the platform's, cut/fill operations to form all platform's, central yard area and bottling facility. Imported stone to roads, platforms and central yard with platform stone finished tolerance of +/- 10mm, suds pond construction, substantial attenuation lagoons, ditches and chemical dosing requirements, drainage, formwork and the landscape and tip elements. Reinforced Earth Embankments and River diversion.
Key Issues	<p>The original design was for a conventional cut / fill operation with all unsuitable material being removed from site and replaced with imported aggregate. As site conditions encountered varied from site investigation RJT brought in the use of stabilisation. This allowed the project to proceed to program and budget saving the client a potential cost of over £2m.</p> <p>Contractor design and manage an environmental plan to ensure compliance with SEPA regulations.</p> <p>Tolerances of platforms for imported type 1 +/- 10mm.</p> <p>Testing suitability of soils for compliance with specification.</p> <p>Working with weather dependent clay material.</p> <p>Construction of the suds pond and realignment of the existing watercourse.</p> <p>Provide a foundation platform for buildings of 150 kn/mm² with no greater than 20 mm settlement when tested to 3 x loading.</p> <p>Reference Mr John Cullen Balfour Beatty Construction Ltd Edinburgh Road Springhill Shotts ML7 5DT</p>