



## **Outline Scope of Work (Removal of Dam and Creation of pond & Wetland)**

**Address:** Rainford Reservoir, Higher Lane, Rainford, St. Helens, WA11 8NF

**Date:** 05/01/24

1. Lower water level by initial 1100mm using existing gravity fed siphon system.
2. Install temporary dam wall system approximately 50m from existing dam wall. Use lightweight system such as PortaDam or Murlac to negate the need for heavy lifting machinery required for concrete block type systems.
3. Provide temporary overflow from upper retained reservoir to maintain water at desired level.
4. Lower water level by a further 500mm using existing gravity fed siphon system from lower section of dam to allow for transfer of fish stocks to upper section.
5. Import inert natural stone (exact details/spec to be confirmed). Backfill approximately 38m to a depth of approximately 2.5m.
6. Wrap northern edge in woven gabion mesh (Envriomesh or similar) to ensure structural integrity.
7. Import and lay inert sub-base (material tbc) to wetland area compacting in layers as required.
8. Cast permanent concrete overflow channel from new water's edge to existing weir position.
9. Back fill remaining areas with graded inert soils types and thicknesses to vary in accordance with planting schemes specific to each area. Exact details and specifications to be confirmed.
10. Repair defective sections of pipework to existing culverted watercourse as required. Diameter and falls of all replacement pipework to be like for like.
11. Once works are complete, inspected and signed off, remove temporary pipework and divert waterflow back through new route allowing for further testing and inspection as required.