



STIRLING WASTEWATER TREATMENT WORKS

The work comprised a major upgrading of the existing Stirling Wastewater Treatment Works by the Purac Leslie Consortium.

The principal construction elements included:

- £1m of advanced works incorporating service diversions, and the re-location of existing washwater booster set, the sludge cake holding shed and the overflow main protection works.
- A new flow splitter drop box installed in the live inlet flow channel.
- 100m of 600mm diam feed main installed at a depth of 2.8m.
- A 4.5m diam segmental ring process feed pumping station 6.4m deep, with valve slab and access steelwork.
- 500mm diam ductile iron feeder rising main above and below ground.

- New reinforced concrete Sequence Batch Reactor tank, 62m x 46m x 5.5m high, complete with access steelwork founded on 317No. 225mm² concrete piles driven to a depth of 40m. (*main picture*)
- A 4m diam process sludge return pumping station 4.5m deep, with valve chamber.
- 130m of 280mm diam sludge return rising main.
- New control structure MCC building and access road

The initial outline design was issued to the Consortium to develop, and during this process, savings of £1.2m were realised which enabled the project to be delivered within the original budget.



CLIENT

Scottish Water Solutions

DESIGNER

Faber Maunsell

CONTRACT VALUE

£5,210,000

DURATION OF WORKS

November 2005 – December 2006