



ANNAGH RESERVOIR

10,000m³ capacity reinforced concrete reservoir for Athlone Town

Client: Westmeath County Council

SUMMARY:

Value: €5 million approximately

Status: Complete

Services Provided:

Preliminary Report,
Detailed Design,
Construction Management

The project involves the construction of a 10,000m³ capacity reinforced concrete reservoir. The reservoir is divided into two cells of equal size to allow for routine maintenance. The reservoir roof comprises of pre-cast prestressed spine beams and double tees with an in-site structural screed and waterproof layer.

The reservoir was constructed on an existing drumlin site and was backfilled and landscaped to blend into the surrounding environment. Water is supplied to the reservoir from the Athlone Town Water Treatment Plant, also a Nicholas O'Dwyer project, via a 450mm diameter rising main. A section of this rising main was constructed through difficult bog conditions using a HPPE pipeline to mitigate against excessive ground movement.

The reservoir site includes a local control house for monitoring equipment including flow and level data linked to the Water Treatment Plant and Town Telemetry System.



Nicholas O'Dwyer
CONSULTING ENGINEERS