



BALLIVOR SEWERAGE SCHEME

Collection Network Improvements and new Waste Water Treatment Works

Client: Meath County Council

SUMMARY:

Value: €3.7 million

Population Served: 2000 p.e.

Procurement: Traditional

Status: Complete

Services Provided:

Detailed Design,

Management of Tender Process and Evaluation

Construction Supervision

Final Account

The original Ballivor Sewerage Scheme was constructed in the 1970's and comprised of a gravity collection in the centre of the village and an imhoff tank / oxidation ditch which discharged to a local stream. By the late 1990's an upgrade was deemed necessary to serve the existing population and to allow capacity to serve development pressure within the region. A pre-treated effluent from the SEC semi conductor plant also required to be serviced.

Nicholas O'Dwyer designed and prepared for construction an upgrade and expansion of the existing collection network. Repair and rehabilitation of certain elements of the original network was carried out using latest in pipe lining technologies.

A new Waste water treatment plant was also designed for the existing site. The existing site was very confined with overhead electricity wires and existing tanks which required to be maintained in operation whilst the new works were constructed. A 2,000 pe extended aeration plant was successfully constructed on the site with tertiary treatment delivering a 5:5 effluent to the local stream.

The works were successfully completed in two phases allowing the existing works to be maintained until the new works were ready. The existing works were subsequently demolished, sterilised and disposed of in accordance with Meath Co Co waste management procedures. The plant is fully automated and communicates with Meath Co Co's SCADA system.



Nicholas O'Dwyer
CONSULTING ENGINEERS