

Mountmellick WwTW

Date: 2009

Contract Value: €643,000

- Construction of 1 No. 715m³ storm attenuation tank
- Construction of 1 No. storm inlet overflow chamber—Provision of fine screen in the storm inlet overflow chamber, on the overflow to the storm attenuation tank, with associated controls and all required ancillaries.
- 22 linear metres of a 450mm diameter D.I. emergency bypass.
- Construction of 1 No Administration building including provision of foul and surface water collection systems for the proposed control building.
- Diversion of existing inlet pipes from the existing inlet works to the proposed storm inlet overflow chamber.
- All civil work necessary for the provision of power supplies from the ESB transformer at the WwTP to the new elements.
- Site Works, Hard and Soft Landscaping.
- 225 linear metres of a twin 300mm diameter DI rising main from Emmett Terrace Pump Station to the WwTP.
- 50 linear metres of a single 300mm diameter DI rising main from Emmett Terrace Pump Station to entrance of pump station access.
- All temporary and permanent reinstatement to public roads, footpaths, pedestrian walkways in connection with the construction works.

Design, Supply, Installation, Testing and Commissioning of;

- Flow regulating equipment on the outlet of the storm inlet overflow chamber
- Fine screen, or screens, in the storm inlet overflow chamber, on the overflow to the storm attenuation tank, with associated controls and all required ancillaries
- Historical flow logging facilities for flow to full treatment and bypass flows
- Level monitoring and cleaning equipment in the storm attenuation tank
- Pumping equipment for emptying the storm attenuation tank
- Flow measurement on the storm overflow line
- Active and Passive Odour Control Units
- All pipework, valves associated with above items
- All controls and instrumentation associated with above items to include control panel within a control/administration building
- Composite flow sampler at the inlet works and on the effluent line of the clarifiers associated with the upgrading of the outlet weir to the hopper-bottomed clarifiers at the oxidation ditch
- Investigation of size of the pipe connecting the outlet weir to the circular clarifier to determine if the pipe can cater for the required flows
- Design and construction of a splitter chamber off the outlet weir of the oxidation ditch and connection to the clarifiers
- Decommissioning of the existing operational outlet weir at the oxidation ditch
- Supply and installation of additional lighting within the wastewater treatment plant site, adjacent to outfall
- Design, Supply, Installation, Testing and Commissioning associated with the upgrading of the pipework at the sludge return pump
- 2 No. pumps (1 No. duty and 1 No. standby) at each of the pump stations sited in Irishtown and Connolly Street pump stations.
- 2 No. pumps (1 No. duty and 1 No. standby) at Emmett Terrace pump station
- 1 No. storm pump at Emmett Terrace pump station
- All pipework valves, metering and ancillary items as detailed in the specification
- 3 No. Control panels housed in outdoor type kiosk including all electrical works and controls for the pumps at each of the pump station sites

Client: Laois County Council

Contact: Nial Tuke, Engineer, Nicolas O'Dwyer, Email: ntuke@nicholasodwyer.com, Tel: +353 (0)1 296 9000

