

Project: River Erewash Diversion

Location: Attenborough

The logo for Aquatic Control Engineering (ACE) features the letters 'ACE' in a bold, green, sans-serif font. Below the letters are three stylized, wavy lines representing water, colored in shades of green and blue. The entire logo is enclosed within a white oval with a green border.

Flapvalves 4m x 1.5m

Client: Jackson Civil Engineering Ltd



Jackson Civil Engineering is currently carrying out major works on the River Erewash, at Attenborough near Nottingham, to divert the river through existing lakes into the River Trent. The works incorporate the construction of a number of new embankments and barge channel works for the client Cemex, to protect the area from flooding and improve the water quality within the nature reserve.

The works are adjacent to the Attenborough nature reserve near Long Eaton, so consideration of environmental issues was at the forefront of the design and build contract from the start.

ACE worked with Black and Veatch consulting during the design stages of the works, and have provided 5 large flapvalves measuring 4m x 1.5m to protect the lakes from the Trent in case of flooding.

To allow fish passage, ACE also provided a side-hung mitre flap, which is used in conjunction with the fish pass constructed as part of the work. The flaps are manufactured in HDPE and Stainless Steel, meaning that they operate under very low head differentials, and also require very little maintenance.

The flapvalves were installed by Saviour Engineering Ltd, also based in Nottingham, following previous projects they had installed for ACE, such as Little Marlow STW. Locks Mil Sluice at Spalding and Worcester Park.

ACE would like to thank Jackson Civil Engineering, Black and Veatch and Saviour Engineering for their assistance during the project, making it run very smoothly for all involved.



Aquatic Control Engineering Ltd

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V1.1.

Aquatic Control Engineering are market leaders of innovative water flow control, maintenance and fish passage equipment. We are proud to supply our customers with high quality, innovative solutions and high standard installation services for over 20 years