

Case Study - A500 Pathfinder River diversion

Client: Edmund Nuttall Ltd
Duration: 16 weeks
Location: Stoke on Trent, Staffordshire



Background

The upgrading of the A500 trunk road includes the diversion of the watercourses under two roundabout interchanges. Site restrictions demanded the use of specialist long reach equipment for elements of the construction.

Scope of Works

Tunnels and deep culverts were constructed to provide a new route for the river. Due to the depth of excavation the use of a temporary

support structure or “cofferdam” was required.

Solution

WM Plant Hire provided 17m and 22m long reach excavators to dig between the cofferdam supports from ground level. The extended reach allowed for the material to be excavated in remote areas of the site together with the ability to dig down in one operation. This avoided the need for temporary

access ramps and earthworks. The versatility of the machines for lifting, loading and excavating was proven by the variety of tasks completed.

WM Plant Hire’s specialist long reach plant demonstrated the benefits over the use of standard machines. The Operators proactive approach to safety ensured that the machines were maintained to a high standard on site.