

Mwrog Street Flood Alleviation - Ruthin

Project Particulars

Value: £725,000

Duration: 13 weeks

Client: Birse Civils Ltd

Engineer: Parsons Brinkerhoff



The project consisted of the construction of 1.5km of new ditch works and the widening and deepening of 1.5km of existing ditch. The upstream end of the works was located to the North of St. Mwrog's Church and the lower end at Afon Clwyd near Plas y Ward Farm.



Also involved was the construction of box culvert structures at the A525 together with three other busy road crossing locations. Construction of these structures included all temporary flumes, ground support, excavation, delivery, off loading and placing of pre-cast box culverts; lining walls were then constructed. Joining, protection and backfill works on the A525 are of particular note, requiring detailed attention to the temporary support and phased road crossing, all these works being carried out by RASWA trained operatives and supervisors, under detailed traffic management constraints.

Earthworks consisted of removal of the ditch material to be placed in new flood protection embankments and 2.5km of anchormat protection. Although initially a 13 week programme, due to the site variations the construction took 50 weeks, this meant resource levels had to be flexible to cope with the ever changing aspects.

Denbighshire County Council Engineer's Quote:

"I am very pleased with the progress and management of the site, in particular the attitude to the environmental and changing requirements given the 80 number variations issued during the works."

