

Ystradfellte

Overview:

Site Location:	>> Ystradfellte
Client:	>> Welsh Water
Contract Value:	>> £7,000,000
Project Duration:	>> 58 Weeks



Lewis is a tier one contractor carrying out work on behalf of the principle contractor Laing O’rouke. The scheme has resulted from the necessity to replace the existing 19” cast iron pipe laid in 1910-1920 because of poor water quality and accessibility problems. The route incorporated areas of engineering difficulties such as river and rail crossings and existing bridge structures. Proprietary work in order to thrust bore below rail tracks is currently being concluded in conjunction with Rail Track.

The length of the Trunk Main is 24.6 kl, starting at Hedrefydd Reservoir north of Glynedd and ends at Tynywaun Reservoir. The Trunk Main diameter varies from 400mm to 600mm. 2.44 km of cast iron main was pipe burst in a time period of 5 weeks.



Environmental considerations concluded the benefit of utilising Pipe Bursting methods along various sections of the work, for example in wooded areas. To carry out this burst a 1000g Grunderburst rig capable of pulling 100 ton’s was used, the largest unit of its kind in the UK. Bursting an existing 19” cast iron pipe and replacing with 450 od and 500 od HPPE pipe.



Lewis Civil Engineering Ltd, Mwyndy Cross Industries, Cardiff Road, Pontyclun, Rhondda Cynon Taff. CF72 8PN

Telephone: 01443 449 200 Fax: 01443 449 201

Website: www.lewis-ltd.co.uk E-mail: enquiries@lewis-ltd.co.uk