

Pipe Bursting Techniques



The bursting and displacement process is followed by the installation of the pipe, which can be the same size or one nominal size larger.

To carry out bursting a 1000g Grunderburst rig capable of pulling 100 tons is 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.



Hydraulic pipe cracking machines have been known for over 20 years, and are now used to replace old water, sewerage and gas pipes in the ground while installing new pipes of equal or larger diameter. When driving through the old pipe path the old pipe made of stoneware, concrete, steel, PE, grey cast and even cast iron, is cut open with the relevant roller blade technique, or in the case of brittle material, destroyed and pushed into the adjacent soil.

Environmental considerations concluded the benefit of utilising Pipe Bursting methods along various sections of this work, for example in wooded areas.



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