



## Golden Cap Estate, Dorset. Water Main Replacement Project



The National Trust engage Pipefix to address the failings of an aged pipe work system with a number of issues:

- Hillside site - with high and low pressure issues
- Poor control over existing system
- High leakage levels
- High operating costs

### Additional Site Issues

- ! Site of Special Scientific Interest (SSSI)
- ! Area of archaeological interest
- ! Highways, bye-ways and other public-rights-of-way transecting the site
- ! Solution had to be ecologically sound and not harm available spring water for livestock or local organic farming

The Solution: A new, manageable water system featuring

- ✓ Valves to all branches and at regular intervals on distribution pipe work to improve control over the system
- ✓ Metered system for billing and as an aid to leak detection
- ✓ Pressure reducing valve to moderate water pressure in low lying areas
- ✓ Rationalised pipe work, sized to minimise frictional losses and improve water pressures in highest areas
- ✓ Fire fighting provision in case of heath fires
- ✓ Separate systems with Water Regulation approved connections to the mains water system to enable use of spring water for stock watering