

RURAL VILLAGE WATER SUPPLY EASTERN CAPE SOUTH AFRICA

The provision of a safe and unpolluted water supply to rural communities has become a primary focus for Government, private NGO's and international funding agencies. In many instances the villages do not have any piped or safe supply of water. Water has to be collected and carried long distances (usually by women or young children). The sources are unreliable and waterborne diseases are common.

HHO Africa Water Resources division have developed specific expertise in the provision of water to rural communities. The problems encountered are very different from the construction of larger treatment plants and solutions have to be tailored to local conditions and the capabilities of the local people to build and operate them.

HHO Africa have been responsible for projects in the Transkei region of the Eastern Cape Province where the situation is particularly acute. Among the services offered are :

- ◆ **Identification of potential sources of water**
- ◆ **Close liaison with the Project Steering Committees in the villages to ascertain needs and abilities**
- ◆ **Agreement on the scope of the project**
- ◆ **Preparation of brief reports and cost estimates**
- ◆ **Design of spring protection measures and a delivery system where water can be collected**
- ◆ **Location and drilling of boreholes**
- ◆ **Design of small brick reservoirs that can be built with local labour**
- ◆ **Design and routing of basic delivery and reticulation systems for construction by local labour**
- ◆ **Engagement of small contractors where special skills are needed**
- ◆ **Preparation of all documentation for the schemes on behalf of the Client**
- ◆ **Project management of the scheme and control of disbursement of allocated funds**
- ◆ **Training and assistance with maintenance problems after completion**



Pipe Trench Being Constructed
By Local Villagers



The Village Borehole Water Supply



Villagers Laying Pipes