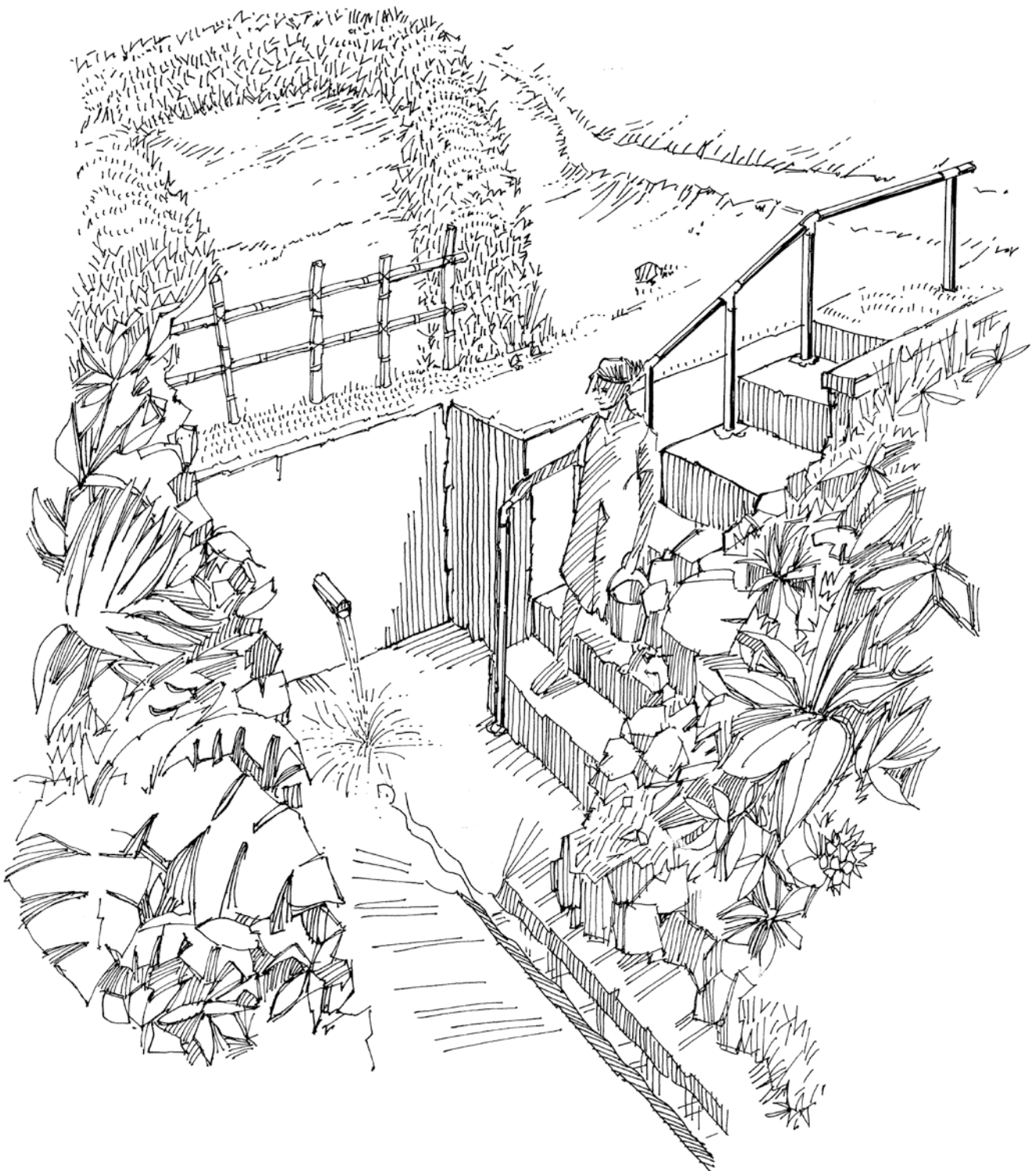


# Chapter 13

## Well

### Accessible Standard



Source: *Water and Sanitation for Disabled People and Other Vulnerable Groups.*

Fig. 13.1

# Chapter 13

## Well

### Accessible Standard

#### (13.1) PLANNING PRINCIPLE

Getting to and from a water source can be particularly hazardous for persons with disabilities.

A safety rail or rope is recommended for paths that lead to or past an open water source. See fig. 13.1

This is useful for everyone especially young children and others with unstable balance such as pregnant women, elderly people and people with epilepsy.

This must be installed at a height of 1.0m (adult waist height), otherwise it can become a trip hazard for many users. A lower rail of 0.75m high can be added for children.

*Source: Water and Sanitation for Disabled People and Other Vulnerable Groups.*

#### (13.2) Steps

To make comfortable steps to the well, the rise of the steps should be at a maximum height of 0.15m

The run of the step should be maximum of 0.30m and all the steps should be identical. (See fig.2.2)

#### (13.3) WIDTH

The minimum width of the stair to the well should be 1.0m.

#### (13.4) HANDRAILS

The stairs should have grip-friendly handrails of diameter (Ø) approx. 32-38mm on both sides of the stair to avoid risks of fall and to support people going up and down the stairs with water.

The distance between the handrails and vertical wall surface should be minimum 50mm.

The handrails should continue unbroken along the stairs.

There should be double handrails at different heights i.e one at a height of 0.60m–0.70m from the ground level for the use of the children and for PWDs and one at a height of 0.80m-0.90m for the use of other users.

The handrails should end 0.3m from the top and at the bottom of the stairs. (See Chapter 2 about stairs)

Handrails should be made of preferably metal or any other approved strong and sturdy material.

The handrail surface should be neither too smooth nor rough.

Around the well, a safe railing should be placed to protect people especially children from falling into the well.

The railing should be installed at a height of 1.0m.

#### (13.5) STAIR SURFACE

The stairs surface should be hard and non-slippery.

#### (13.6) WATER TAP

The water tap should be 0.5m above water level, to avoid risk of getting dirty water into the jerrycan.