

PROCEED General Standards



1) Springs -

Frequently observed Weaknesses



Surface capping: light excavation:
Water quality not guaranteed

Spring catchment – Example of PROCEED Standards



Spring Outside View:
Close protection and catchment perimeter
fenced (against animals)



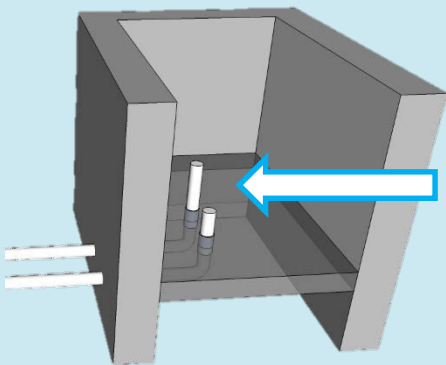
Spring Catchment Box Inside View

Springs – PROCEED Standards

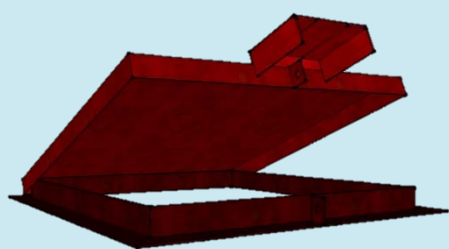
- Deep Excavation to insure:
- Water preferential path is toward spring Box
 - Good spring water quality



Vegetative or
Constructed upstream
protection
(Fence not visible on this
photo)



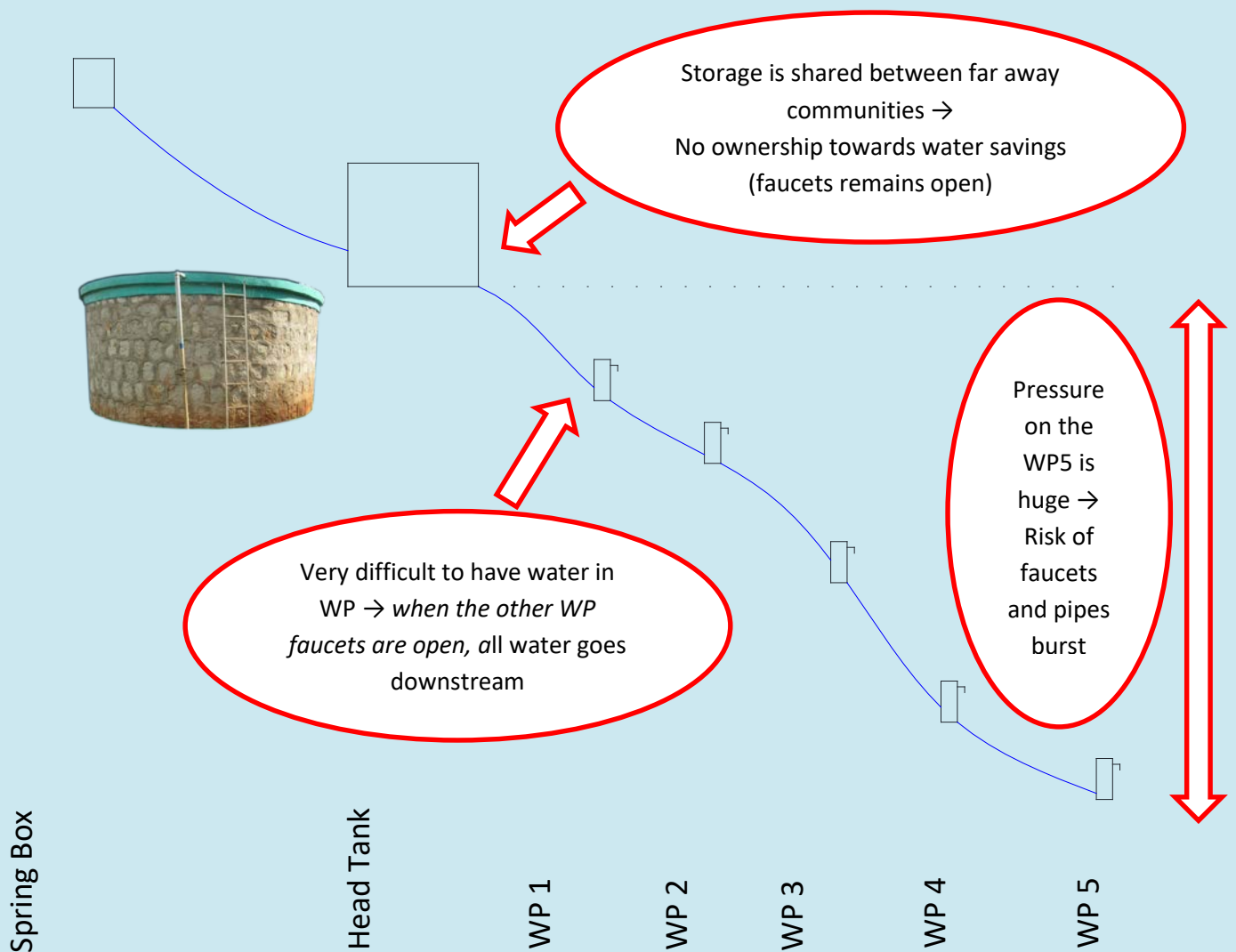
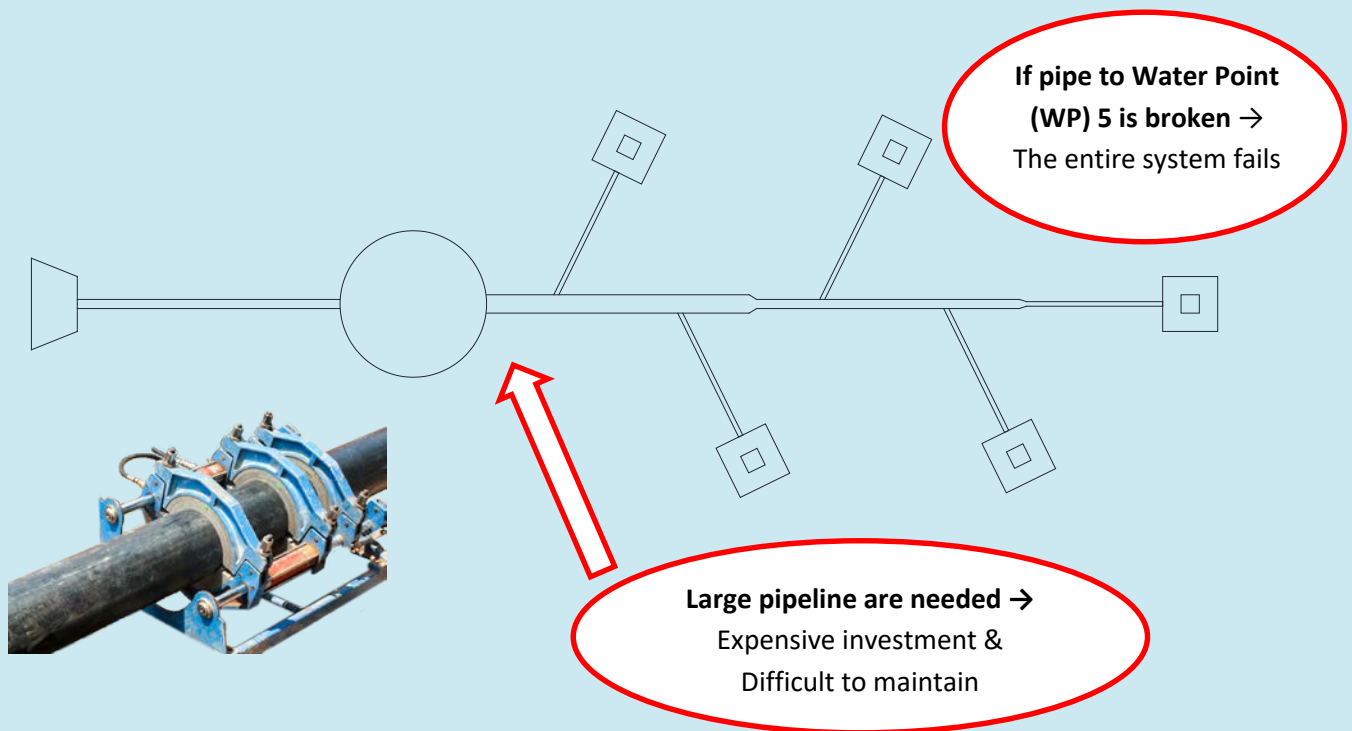
Removable overflow
pipe serve as simple
and robust washout
for easy cleaning
operations



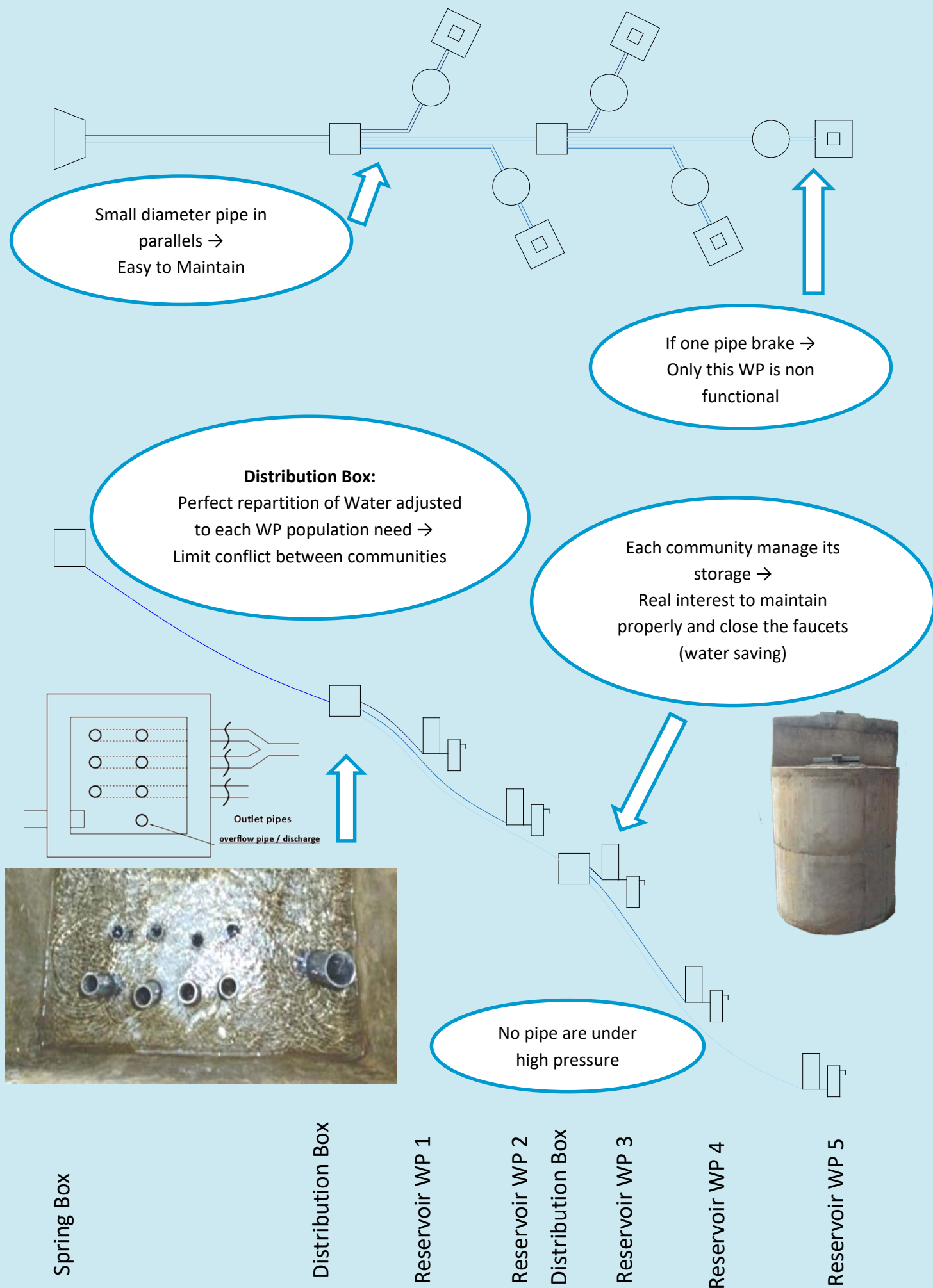
Strong Metallic door with
padlock allows easy access
for regular cleaning the of
spring catchment box.



2) Network – typical design in rural areas

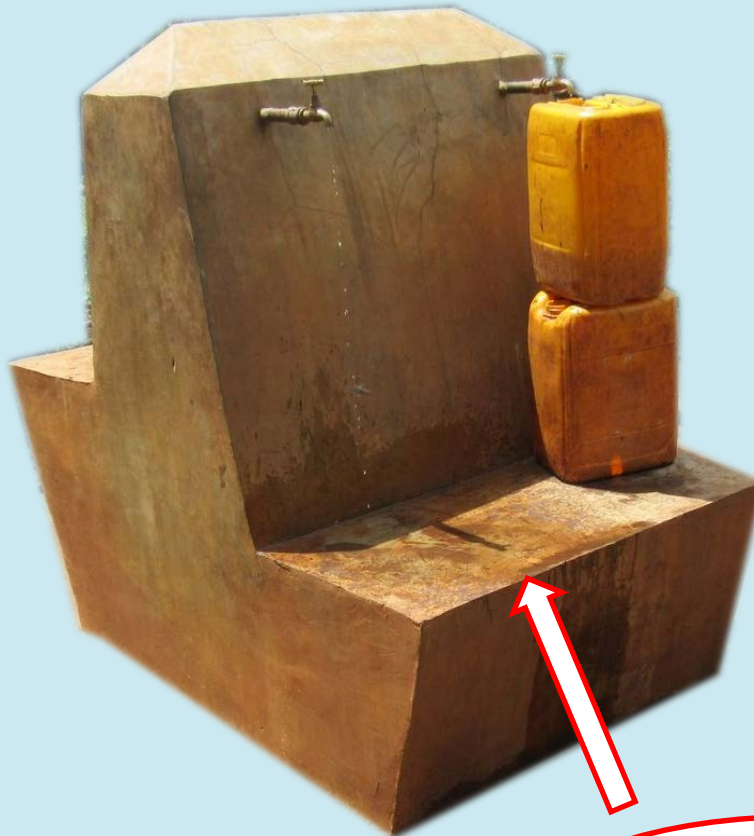


Network – PROCEED Design



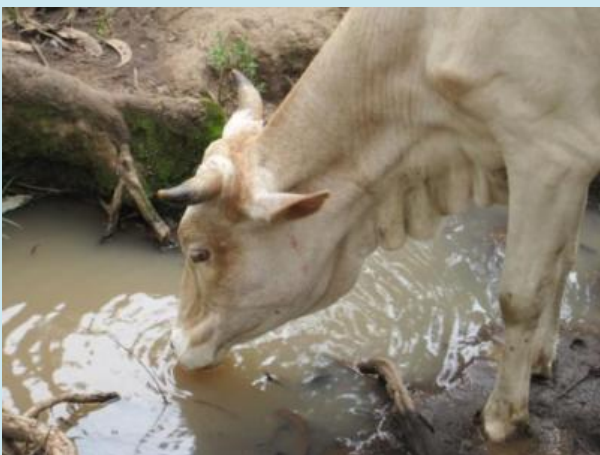
3) WP – Typical Design Weaknesses

Masonry construction → Low
resistance to water erosion →
Not durable



No cattle trough →
Permanence of cattle water
borne diseases

No Reception for Water →
Unclean &
Rapid WP deterioration



Wash Table for laundry



Evacuation funnel to cattle
trough→
Clean & efficient reuse of water

Strong casted concrete construction →
Resistant & durable

Access to clean water in cattle
trough →
Improved breeding performances

