

## Construction of Water-spreading weirs



**Dos and Don'ts**



## Wash stones before use

Do



Wash stones before use. If water is dirty filter it through an old cloth. Or:  
Use pond for washing.

Don't



Never construct with dirty stones; the weir will not be stable.

## Put stones at the same time ascement

Do



Stones are put together with the cement at the same time.

Don't



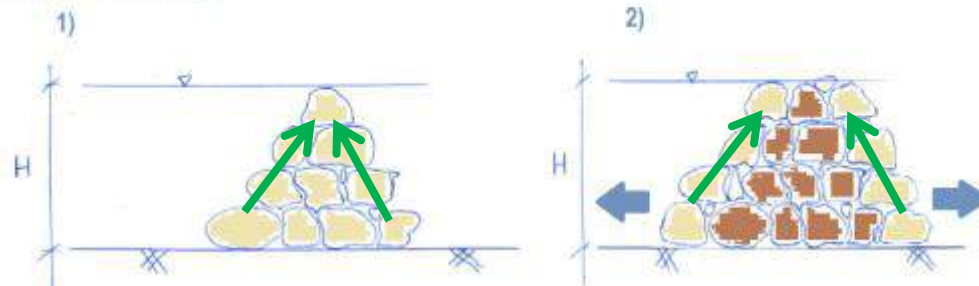
Never fill cement without putting stones.

## First build high, then build wide

Do



Steps for Masonry:



First build one high triangle then make it wide.

Don't



Never build one long row. Never build many long rows on top of each other. The weir will not be stable.

## Set stones as dense as possible

Do



Set stones close together. As close as possible!

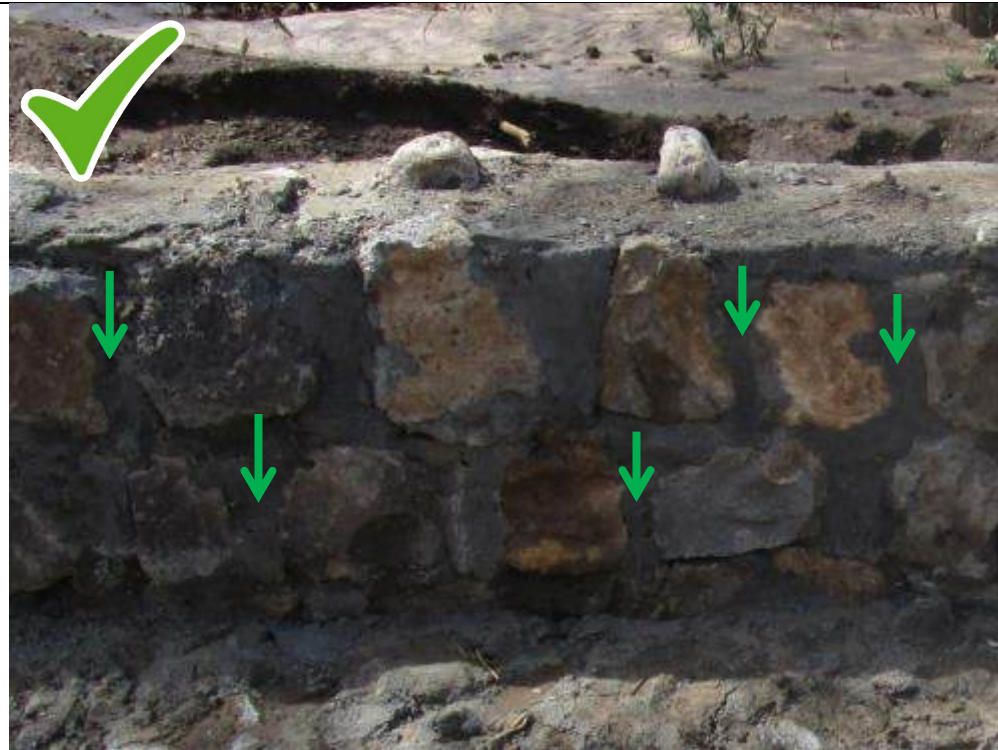
Don't



Never put stones loosely together. Never leave a lot of space between stones.

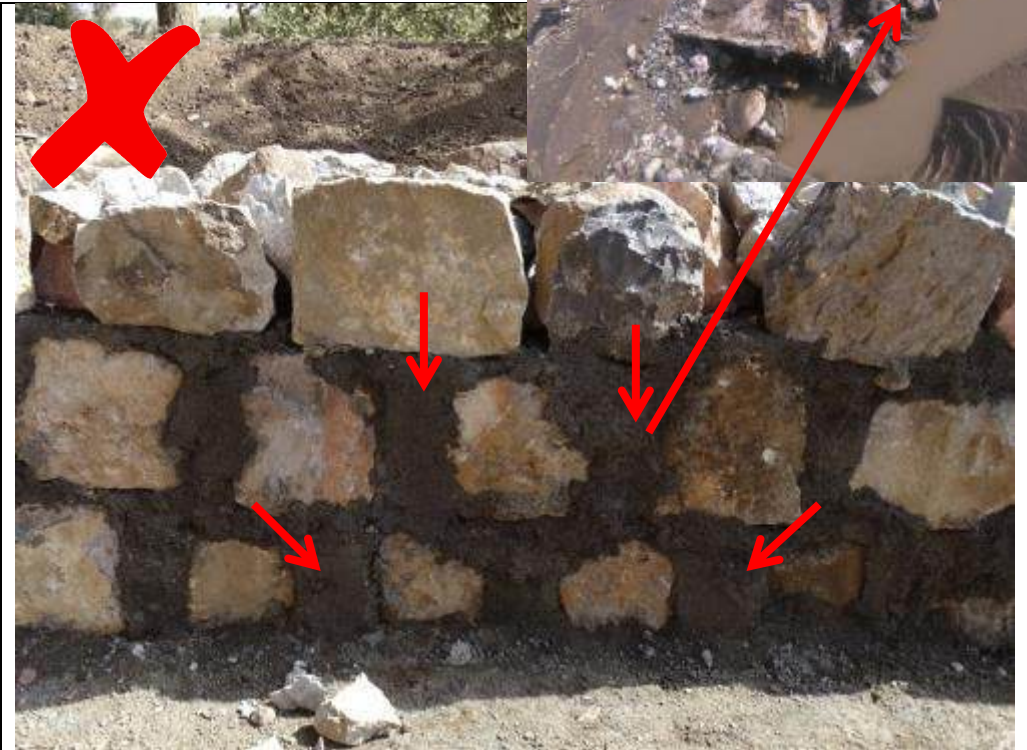
Use many stones to reduce mortar

Do



Put stones close together to use mortar efficiently.

Don't



Never use a lot of mortar to connect stones which are far from each other.  
Mortar without stones is not stable.

Do not flatten the surface of the weir

Do



Don't



Build rough surface for the weir. The speed of water slows down.

Never flatten the cement on the surface.

## Drop excavated soil to the upper side of the weir

Do



Soil is placed at the upper side of the weir.

Don't



Never place the soil to the downstream side of the weir.



## Drop soil far away from the edge of the excavation

Do



Soil is placed far away from the excavation.

Don't



Never place the soil close to the excavation site. It will fall back in.

## We love big stones

Do



Work with big stones.

Don't



It is not necessary to split all the stones into small ones.

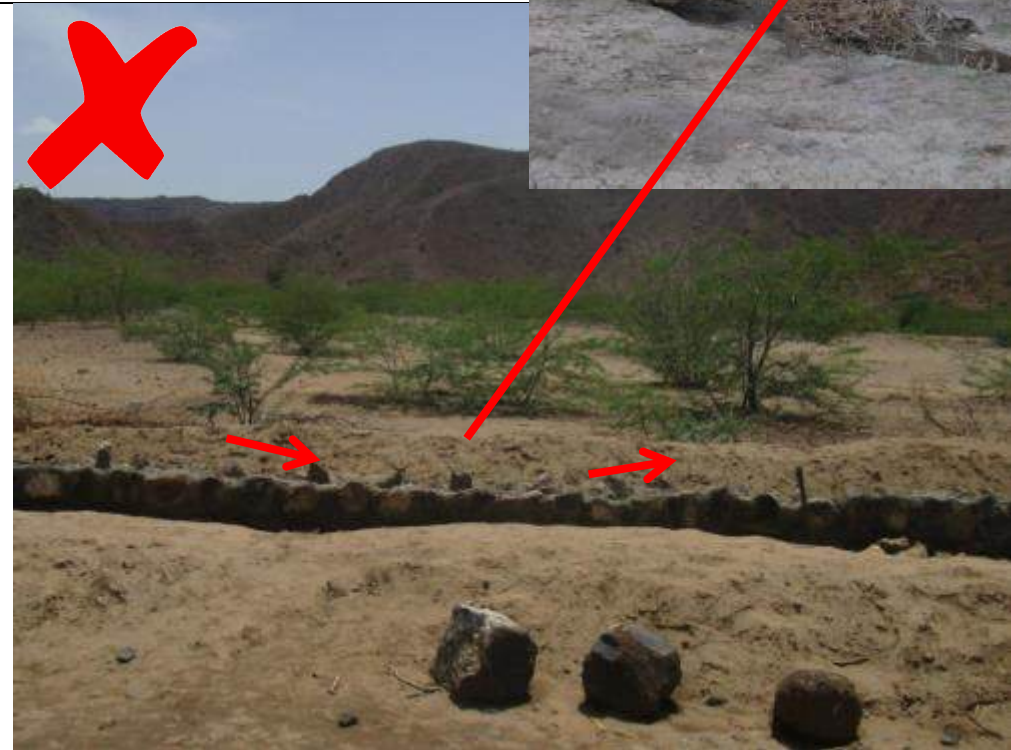
Follow the contour line!

Do



Follow the contour line, keep it straight.

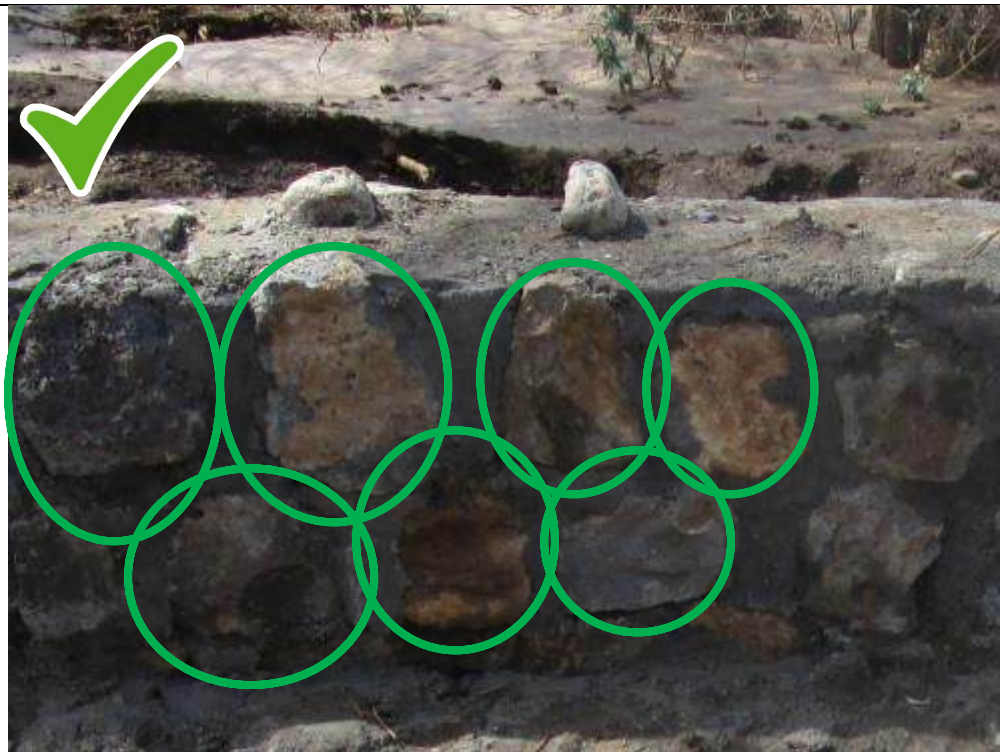
Don't



Ignore the landscape. Build a straight line.

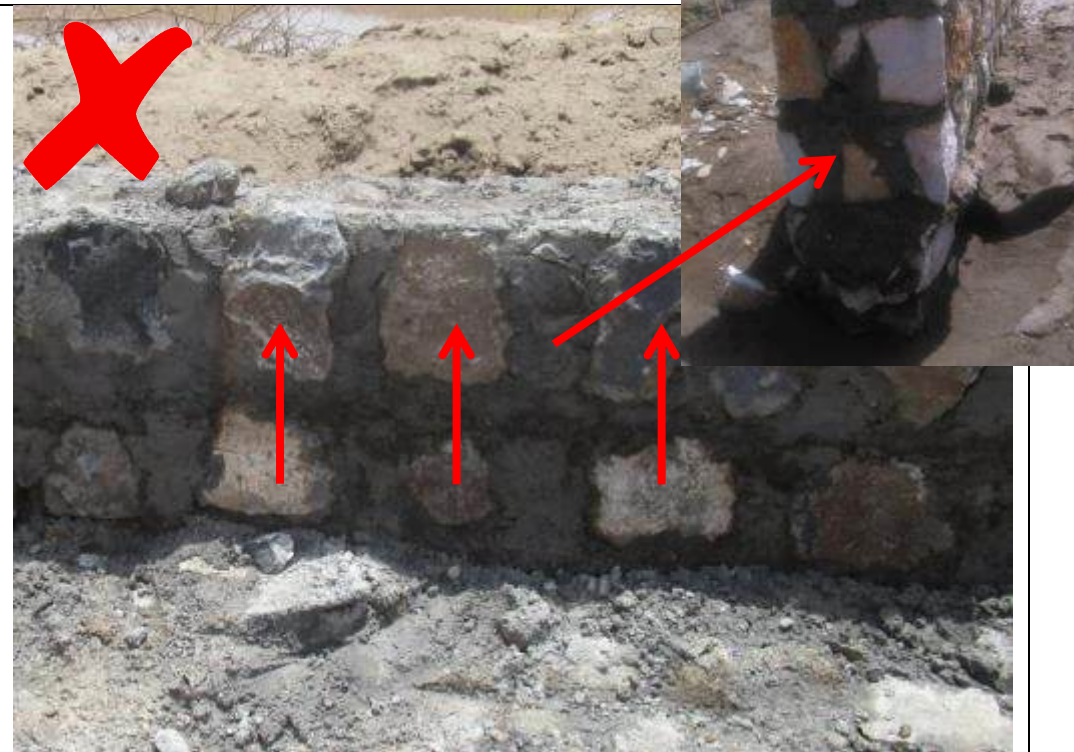
Keep rows of stones in an irregular pattern

Do



Build shifted rows.

Don't



Never put stones in a vertical line.

## Excavate according to recommendation

Do



Excavate correctly corresponding to recommendation to build a strong fundament.

Don't



Never do shallow excavation. The water will wash the soil away below.