

Rehydrating Matenwa: Water Restoration & Purification

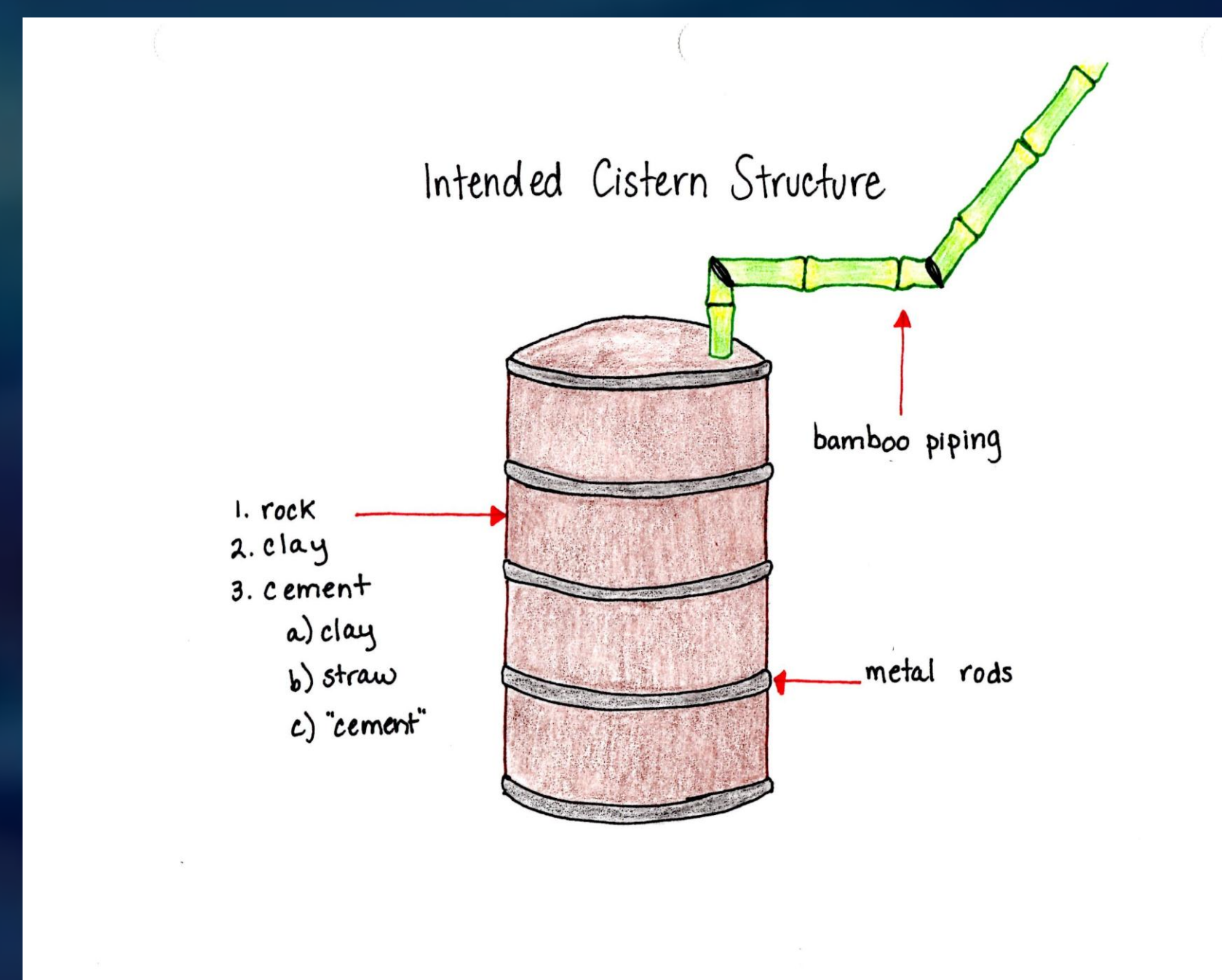
Sarah Brockway (BME), Michelle Brown (BME), Cameron Mills (BBT), Dominic Gonzalez (ECE), Andrew Lamb (BME)
Advisors: Jill Rulfs (Biology), Helen Vassallo (Management)

Background

- Haiti is a place where millions of people are forced to live without water.
- Matenwa is a very remote part of Haiti where citizens have to travel long distances and risk great injury, even death, in order to find water.
- After the earthquake of January 12, 2010, the status of Haiti's water got even worse.

Need

- To provide the people of Matenwa, Haiti with water availability and to prevent the spread of waterborne diseases.



Cistern Layout Map

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- Vestergarrd Frandsen Inc. (Arlington, VA 22201)
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- Zoe Wolf (Northeastern University)
- Jill Rulfs & Helen Vassallo

Methods/Process

- Water Catchment: Bamboo/ gravity piping; creating gutter systems in homes; Inverted roof catchment system.
- Cistern Construction: Using resources found in Matenwa, cisterns will be constructed to store the water.
- Filtration: Preventing water borne illnesses through the "LifeStraw" method.



Projected Outcome

- Continuation with funding of LifeStraw in Matenwa.
- Stabilized agriculture with running water system.



Haitian native using LifeStraw in an unsanitary water bed.

Impact

- Citizens of Matenwa will have water directly at their disposal.
- Injury and death will be prevented because people will no longer have to travel over dangerous terrain to find water.
- The spread of waterborne illness will be slowed.

References

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