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# Designing a Resilient Water System in Amman

Resilience by Design University Workshop

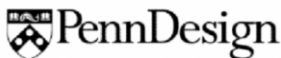
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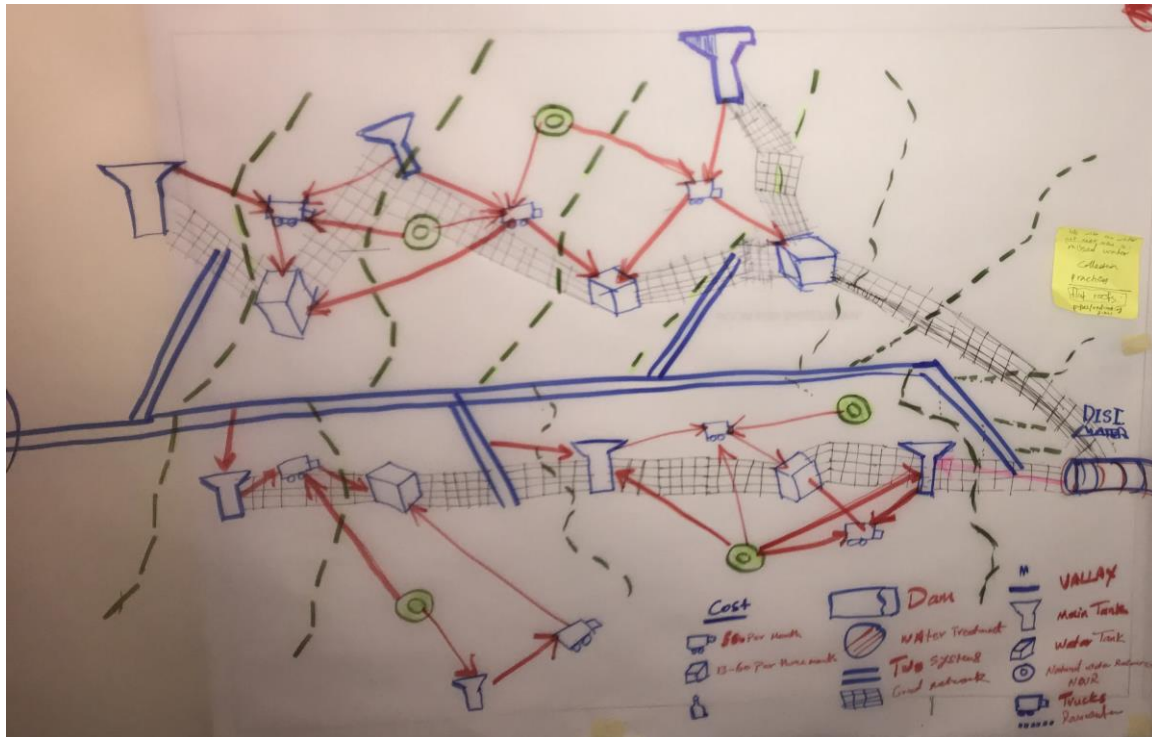
Saturday, October 14, 2017



# WATER

Our project revolved around the water-system in Amman.

Due to the complex water-system in Amman, we identified all the different water resources facilitating the city. We discovered a very complex network, that ranges in scale and price. Households receive water from the municipality or through unofficial distribution channels via trucks delivering water once a week to individual households.



After we identified the water-system to the best of our knowledge, we looked into possibilities for resilience in the system. Several points came up:

- Rain water collection
- Material use
- Use of grey water
- Waste Water
- Building rules and regulations

We decided to start with the house itself. We identified the flat roof-scape of Amman had a great potential to become a catchment area for rainwater. Within this context we imagined how the grey water could be re-used within the household to flush the toilet for example.

On a larger, city scale we believe if the city of Amman would use more porous materials to make streets that are prone to flooding be able to absorb water more easily. Water in Amman is a complicated topic and we believe a bottom up approach in sink with a top down approach could start to alleviate the water problem in Amman.

