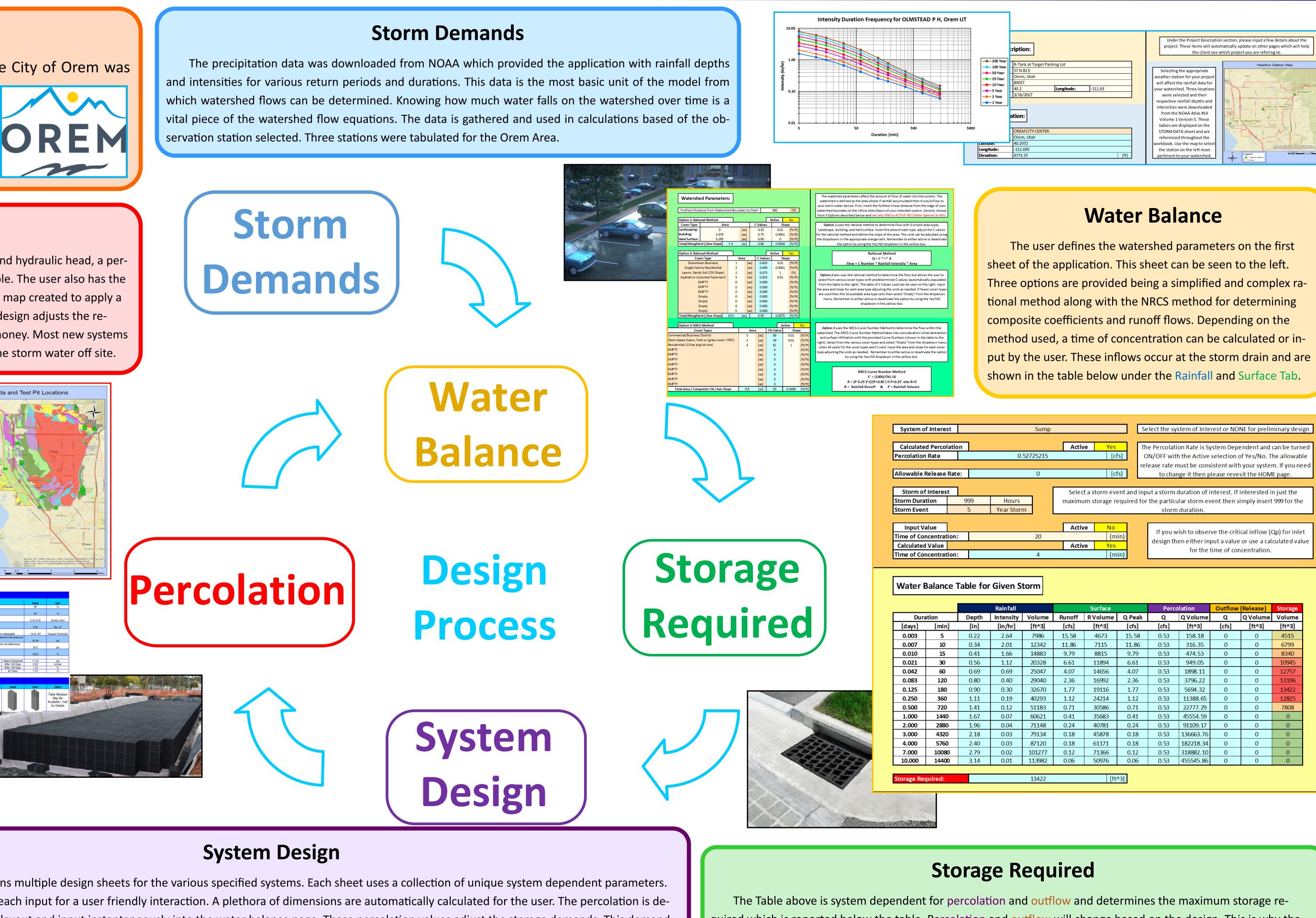
## **BYU CIVIL & ENVIRONMENTAL ENGINEERING** IRA A. FULTON COLLEGE

### **CEEn-2016CPST-002**

Team Members: Cameron Lusvardi, Jacob Wadman, William Shelton



alculated based off the HOME Page

nputs for Percolation. If you wish to

neglect percolation you can

ivate it on the Water Balance

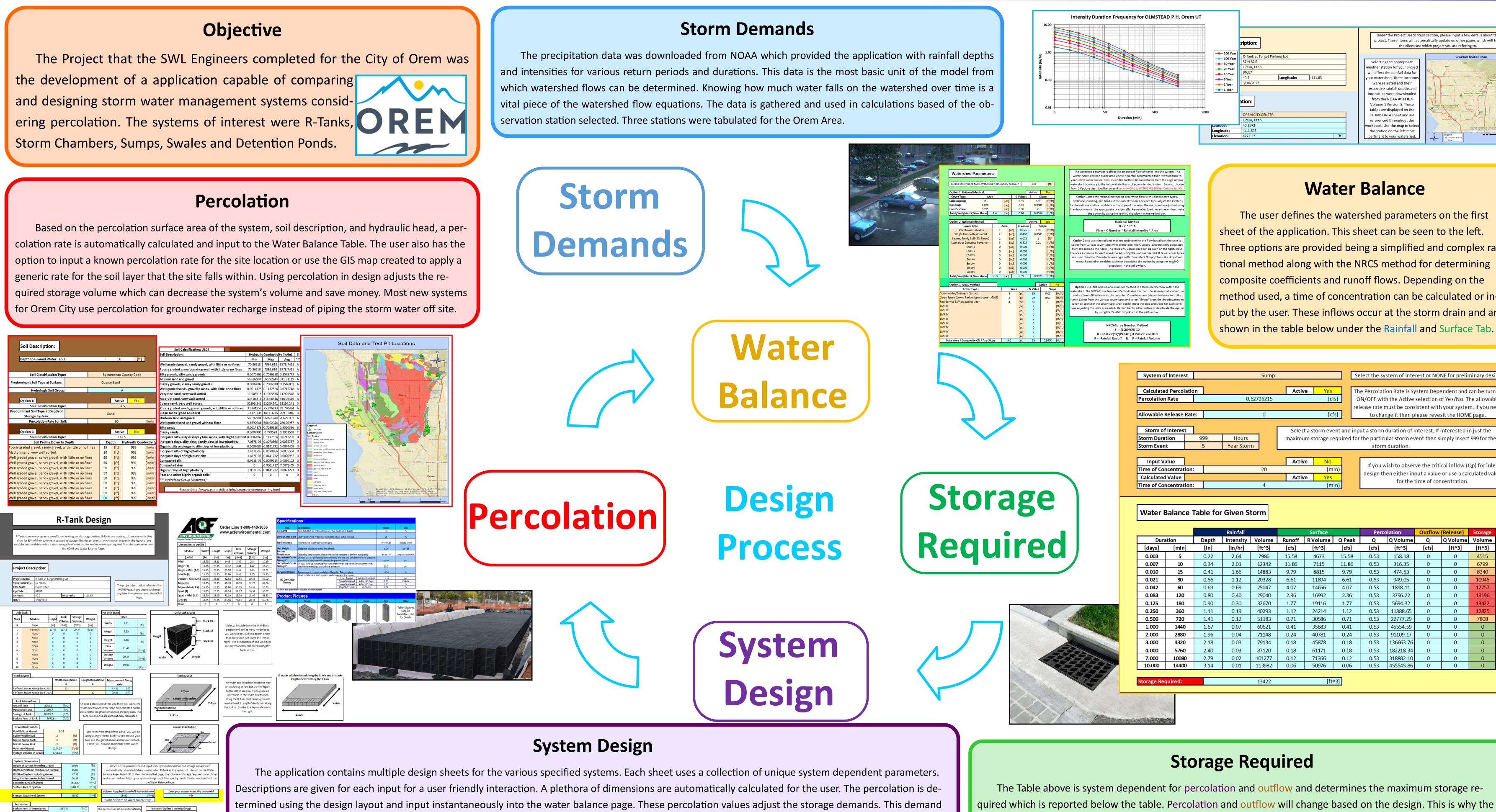
Percolation =  $k_e * A_e * i_{av}$ 

Based on Option 1 on HOME Page

Percolation = Percolation

epth of Ground Water Tal

p://www.hynds.co.nz/wp-content/uploads/Hydrograte-Cleaned-up-Kerb.jpg https://i.ytimg.com/vi/fgRNL8yQZa8/maxresdefault.



design process is a cycle. Changes to the parameters on the various design sheets will change the storage demands. can then be compared with the storage capacity of the system. Iterations can then be made to specify an efficient design. Example design sheet shown to left.



## Soil Data Percolation App Development April 6, 2017

# Under the Project Description section, please input a few details about the project. These items will automatically update on other pages which will help 0 0.2750.55 1.1 1.65 2

## Select the system of Interest or NONE for preliminary design

DN/OFF with the Active selection of Yes/No. The allowable ease rate must be consistent with your system. If you need to change it then please revesit the HOME page.

If you wish to observe the critical inflow (Qp) for inlet design then either input a value or use a calculated value for the time of concentration.

tflow	(Release)	Storage
Q	Q Volume	Volume
cfs]	[ft^3]	[ft^3]
0	0	4515
0	0	6799
0	0	8340
0	0	10945
0	0	12757
0	0	13196
0	0	13422
0	0	12825
0	0	7808
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0