Maxicom Companion Development Plan

# Roles

* Administrator
* User/Water Manager
* Site Manager/Custodian
* Energy Manager

# User Stories

1. As a user and/or energy manager I want to view several reports. I want to choose the site and the date range for each. Here is a list of proposed reports/charts:
   1. ET vs Actual Water Usage. I choose the time period (i.e. per month, week, day)
   2. ET Checkbook (Rainfall, ET, Irrigation).
   3. Historical flow profile
   4. Projected flow profile.I choose the site and ET value.
   5. Real flow vs Theoretical flow (Flow Meter vs Configured Flow)
   6. Water costs: water district reports vs calculated by Maxicom
   7. Equipment and configuration summary by site
   8. Maps
   9. Schedules
   10. Alerts
2. As a site manager I want to view basic information about my site (e.g. map, schedules, water usage, flow profile).
3. As an administrator I want to control access to site information based on user, role, and/or site.
4. As an administrator I want to be able to define the roles and permissions available in the system.
5. As an administrator I want to determine which reports and information is available system wide.
6. As an administrator I want to be able to configure the database connection.
7. As an administrator I want to be able to configure site properties (e.g. acreage, path to schedules, path to maps).
8. As a site manager I want to be able to make requests or even direct changes to individual zones within limits.
9. As a site manager I want to use a calendar to designate non-watering days.
10. As a user I want to be able to update the flow for individual stations automatically using recorded flow values (i.e. a schedule would automatically be generated and run to determine the flow for individual stations.)
11. As a user I want to run an algorithm that will automatically create schedules that maximize watering windows (i.e. avoid the 6 station grouping rule, overcome the 99 min max run time when using Flow Manager).
12. As a user I want to receive alerts (emails, texts, etc.) triggered by configurable events.
13. As a user, site manager, and/or energy manager I want to receive summary reports via email on a configurable frequency.