11.) The purpose of the detention tank system is to prevent soil erosion and flooding by distributing the water for reuse or disposal over time. The detention tank is buried five feet underground and is 4' tall, 80' long, and 40' wide. There are six inspection ports on the tank that allow a person to check the depth of water.

12.) The Outlet Control Structure releases this excess water in a controlled manner into the drainage swales and pipes located on Twigs Lane, which carries it to North Beach Road. At the point that runoff water leaves WRM it is then considered storm water.

6.) The perforated pipe runs directly west, takes a ninety-degree turn to the south at the manhole between Lots #15 and 17, runs to the end of the path at the manhole between Lots #17 and 16. At this point, the perforated pipe directs any water into the bio-swale.

A bio swale is a low-gradient basin system, which contains a vegetative cover and is used to maintain and clean runoff during storm events. For many months of the year this particular swale will be dry. At the south end of this bio swale there is a solid pipe that runs underneath the common area and connects into the detention tank system.

5.) The parking area directs all water of the parking lot, which is located at the beginning of the path. The path for the West Cluster is a porous gravel walkway, with a mat underneath the gravel that allows water to seep into the 12" perforated underdrain pipe.

4.) Behind Lots # 8, 9, and 10, there is a designated rain garden

3.) The two parking lots in the East Cluster are constructed of pervious asphalt, which acts as a porous asphalt pavement material which permits rain and storm water runoff to percolate through it rather than flood surrounding areas. It also acts as a filter to trap and remove pollutants from rain runoff.

2.) All of the homes in the East and West Cluster, except for Lots #3, 4, 5, 6 and 7, have center facing down spouts that have been directly tied into the main storm sewer pipe.

1.) The main storm sewer pipe for the East and West Clusters starts at the very end of the East Cluster footpath at the manhole located at the edge of Lot #4. This storm sewer pipe runs directly west from the manhole, under the path, all the way to Rosehip Road, crosses under the road and continues to the western edge of the parking lot, at which point you will see a catch basin. To this point, the pipe is a 12" solid pipe with many connections as it makes its way west.