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STORMWATER DRAINAGE SYSTEMS

It is crucial to manage stormwater runoff effectively and efficiently. There are two fundamental structures that are designed to drain excess stormwater from various impervious surfaces. These mechanisms help prevent flooding, which can lead to property damage. In this issue we are going to discuss two of those drainage systems, storm drains and catch basins.

Storm drains are lines that collect stormwater swiftly and transport excess water from surfaces, such as roads and sidewalks, that can accumulate during rainstorms.

Many storm drains have gratings or grids covering them preventing large debris, people, and vehicles from accidentally falling into them.



These protective features are important for safety and function of the system. Storm drains typically have a single exit point where the collected stormwater is discharged. This exit point leads the water to appropriate drainage channels or treatment facilities.

Catch basins are designed to capture stormwater and separate debris that may have been collected. Any sediment or debris carried by stormwater settles at the bottom of the basin, ensuring the runoff is relatively contaminant free. Connection pipes are used to connect catch basins to drain systems, allowing for seamless flow of captured runoff into larger drainage networks. When the runoff reaches a certain level, it then drains into connected pipes, allowing controlled release and preventing the drainage system from being overwhelmed. It also keeps sediment out of the network.



Reference: Wind River Environmental/blog/2023/september



PUBLIC WORKS

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Come and meet Stormwater Stormy and Trash Buster Bear on February 17, 2024, during the Food Fun Festival at the Wildwood Community Center. The event will be held at 6500 Powell Road from 10:00 a.m. to 3:00 p.m.



Spring Checklist for Stormwater Management

April showers are just around the corner, it is essential to be prepared and have a plan to manage excess stormwater runoff.

One way to start is by joining The Wildwood Street Sweepers! Help reduce litter and other pollutants that may contribute to sediment and contaminants in stormwater runoff.

Help reduce soil erosion by planting drought tolerant grass to barren areas in your lawn, or even better, create a rain garden using native vegetation.

Dispose of hazardous materials responsibly. Pesticides, antifreeze, oils, and old paints are just a few items that, if not disposed of properly, may end up in natural waterways and other man-made stormwater systems.

Pay attention to weather forecasts. Fertilize after heavy rainfall events and keep fertilizer on the lawn only. Excess fertilizer should be swept back into the grass and kept away from storm drains.

If you have ideas or questions, you can always contact the City of Wildwood Public Works Stormwater to learn more ways to help reduce stormwater pollution. Remember, *Where It Flows Everything Goes!*

ONLY RAIN DOWN THE DRAIN

