

GREEN INFRASTRUCTURE PLAN



WHAT IS GREEN INFRASTRUCTURE?

Perennial grasses, shrubs, and/or trees planted in drainage basins or swales.

Green Infrastructure allows stormwater to soak in around plants. The water is naturally cleaned as it drains slowly through an engineered soil mix that removes pollutants.

Traditional concrete pipes, or "gray infrastructure", drain rainwater quickly without enabling it to sink and soak into the ground.



Green Infrastructure allows drainage water to soak in around plants.

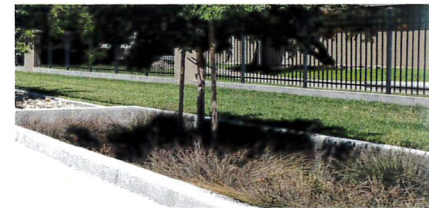
WHY IS GREEN INFRASTRUCTURE IMPORTANT?

Water that drains across hard surfaces, like parking lots and roads, picks up oils, chemicals, and other pollutants. Green Infrastructure provides a soil medium and vegetation to filter the stormwater.

Green infrastructure removes pollutants from stormwater as it infiltrates down to become groundwater, recharging our aquifers.

Groundwater drains underground to feed streams in the summer, sustaining the plants and animals that live in and around the stream.

Groundwater is also an important source of drinking water for many communities.



Green Infrastructure removes pollutants as stormwater infiltrates the soil to become groundwater.

...eventually all drainage water will be cleaned before it drains to our creeks and streams...





IS THE COUNTY PLANNING FOR GREEN INFRASTRUCTURE?

The County is developing a Green Infrastructure (GI) Plan for the next 20 years that will identify locations where GI can be installed. These projects are only on County owned property or along County roads.

The Green Infrastructure Plan will demonstrate the County's commitment to install these types of projects in order to improve water quality and adapt us to climate change.

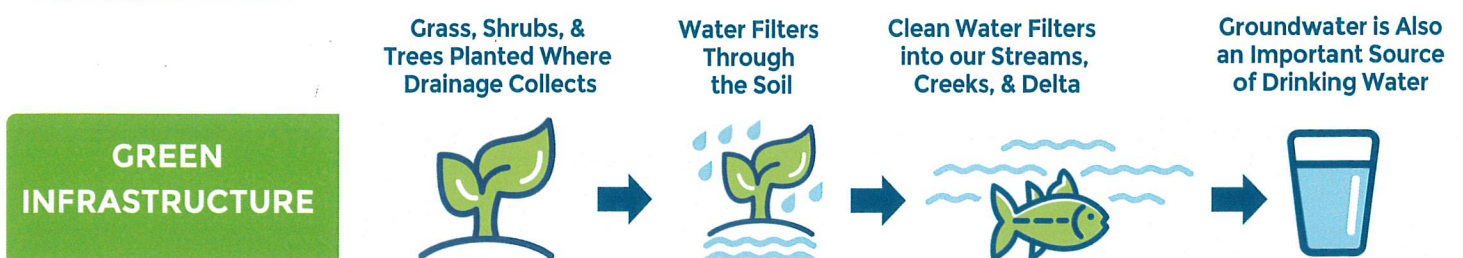
WHEN WILL GREEN INFRASTRUCTURE WORK BEGIN?

The Green Infrastructure Plan will be completed by September 2019 and projects will begin after that.

The County will be installing GI projects over the next few decades so eventually most stormwater will be cleaned before it drains to our creeks and streams that flow into the Delta and the San Francisco Bay.

The Green Infrastructure Plan demonstrates the County's commitment to install these types of projects to improve water quality, and help us adapt to climate change.

The Green Infrastructure Plan will be completed by September 2019



For more information on the Green Infrastructure Plan, please contact John Steere at 925-313-2281 or john.steere@pw.cccounty.us