

OUR NATURAL *environment*

WATER: A PRECIOUS RESOURCE

Water plays an integral role in all aspects of life as it is broadly felt by all who see, touch and taste it. Second to the air we breathe, water is the basis for the survival of humans, animals, nature, the environment, and the economics of our community and the world.

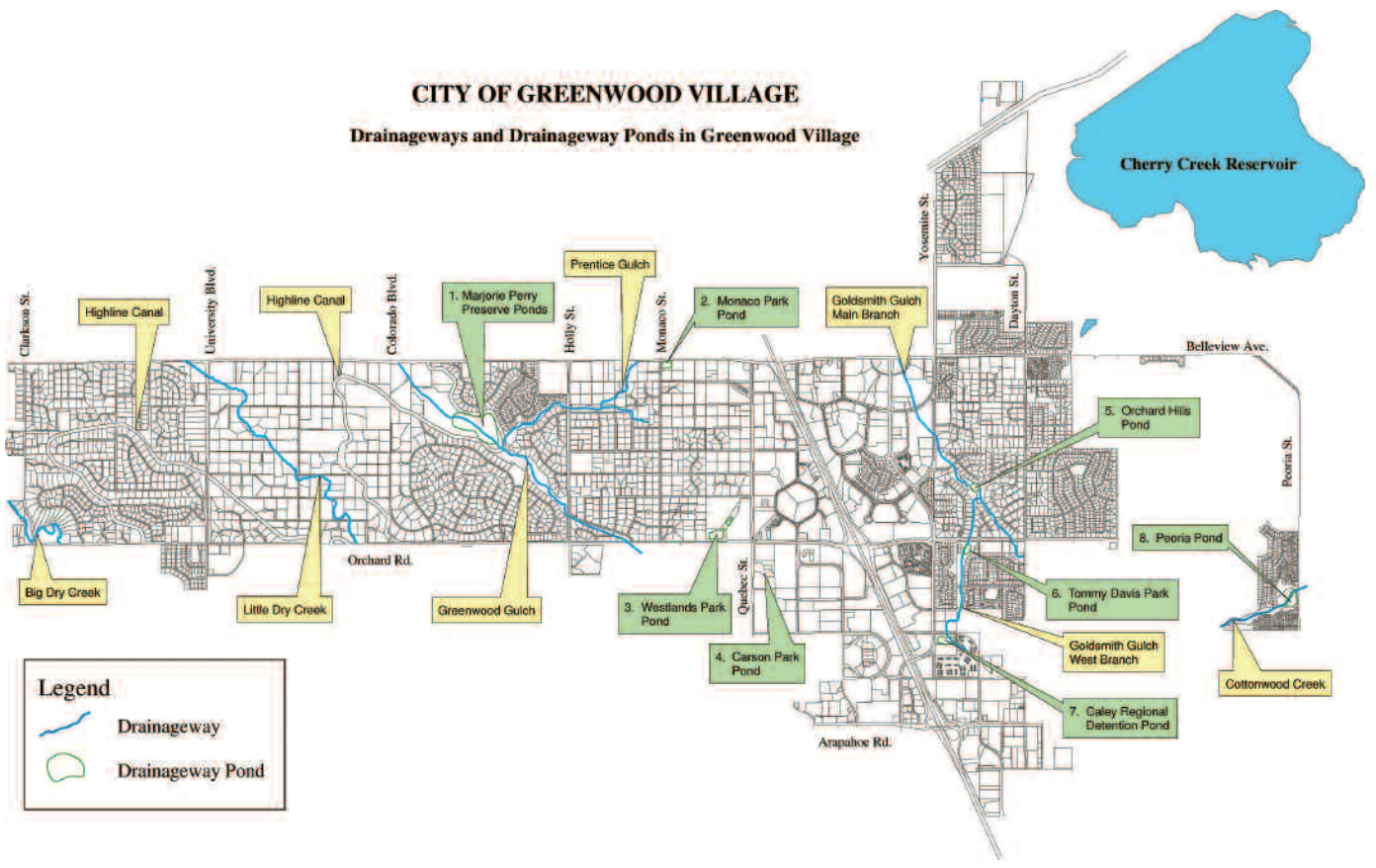
DRAINAGEWAYS

A drainageway is a natural or artificial stream that carries surface water. The drainageways in the Village also have wet and dry ponds located within them which provide flood control, water quality treatment, wildlife habitat and opportunities for recreation including parks and trails. Flood control is accomplished by the pond's ability to hold water and slowly release it so that downstream

drainageways are not inundated. Ponds located within drainageways contribute to water quality as they are designed to detain water to allow pollutants such as sediment and phosphorous to settle and create wetlands. Wetlands filter pollutants and provide the additional benefits of aesthetics and wildlife habitat. There are also aesthetic ponds located in the Village which are not directly connected to drainageways, however

do provide wildlife habitat and recreational benefits as they are connected to parks and trails. Some include Running Fox Park, Francis Williams Park and others throughout the Denver Tech Center and Greenwood Plaza Business Park.

There are several drainageways located in the Village. These include Big Dry Creek, Little Dry Creek, Greenwood Gulch, Prentice Gulch, Goldsmith Gulch and the Cottonwood Creek.





Greenwood Gulch between Holly and Orchard Road

DRAINAGEWAY PONDS

Marjorie Perry Preserve Ponds are tucked away in the heart of rural Greenwood Village. Both Prentice and Greenwood Gulches feed into the ponds and only Greenwood Gulch continues downstream from the ponds. It is surrounded by the High Line Canal and its natural area provides an opportunity for park and trail users to walk amongst natural vegetation, wildlife habitat and drainageways.

Monaco Park Pond is a detention and water quality pond created to temporarily detain stormwater flows and remove pollutants from the stormwater which leads to Prentice Gulch. The wetlands in the pond provide habitat for wildlife. The pond is located near open space at Monaco Street and Belleview Avenue.

Westlands Park Pond provides flood control and water quality features along Greenwood Gulch. Additionally, the pond provides water to irrigate Westlands Park, which is located at Quebec Street and Orchard Road.

The Carson Park Pond provides flood control and water quality features along Greenwood Gulch. The pond is located north of City Hall.

The Orchard Hills Pond is located in Orchard Hills Park where the two tributaries of Goldsmith Gulch unite. It is an aesthetic pond and provides habitat for wildlife and is surrounded by recreational trails.

Tommy Davis Park Pond provides flood control, water quality and leads to the west branch of Goldsmith Gulch. The pond is located at Tommy Davis Park and is also utilized for recreational activities. The pond was recently expanded to improve water quality, aesthetics and potential irrigation.

Caley Regional Detention Pond is located at the southeast corner of Yosemite Street and Caley Avenue and was created for improved safety by decreasing the chance of flooding along Goldsmith Gulch. During storm events, the pond temporarily stores stormwater which is released slowly over a 40 hour period, reducing the likelihood of flooding for downstream properties.

The Peoria Pond is a regional detention pond constructed on Cottonwood Creek west of Peoria Street. This facility was built to provide water quality treatment and was uniquely designed to provide an access trail for pedestrians and equestrians under Peoria Street north of Arapahoe Road.

PESTICIDES, HERBICIDES AND FERTILIZERS IMPACT WATER QUALITY

The proper use of pesticides, herbicides and fertilizers is critical to maintaining the quality of our water resources. When these products are applied, they have the potential to run off to sites that could impact water quality as they contain pollutants such as phosphorous, which can contribute to excessive algae growth. Pollutants can be toxic to fish and wildlife, and can pose a threat to public health.

Ways To Limit Contamination Of Drainageways:

- Use organic or non-toxic pesticides, herbicides and fertilizers. Use caution when applying these products in areas where they cannot be washed into waterways.
- Avoid applying these products during windy and rainy conditions. Consider the location of the nearest stream or storm drain, and think about the direction and speed of the wind before applying.
- Read manufacturer labels and clean up spills promptly and according to manufacturer instructions.
- Store products in a covered area away from rain or stormwater runoff. Dispose of leaking containers and outdated or banned products as hazardous waste through the Village's Residential Household Hazardous Waste Program by calling 1-800-449-7587.
- Apply products directly to the plant. Discharge any rinse water from the spray equipment to the application area. Ensure the rinse water does not flow into the street, a storm drain or waterway.
- Sweep up all debris and deposit into the trash can. Do **not** blow, sweep, hose, or rake leaves, grass clippings, soil or other landscape materials into the street, storm drain or waterway.
- Do not store or stockpile landscaping materials such as mulch, topsoil, and rocks in the roadway. These pose a safety issue to the traveling public and can enter the storm drain or waterway which is considered an illicit discharge. *gv*

KNOW YOUR TURF

Provided below are the six most common turf types in Colorado:

- Blue Grama (*Bouteloua gracilis*)
- Crested Wheatgrass (*Agropyron cristatum*)
- Kentucky Bluegrass (*Poa pratensis*)
- Buffalograss (*Buchloe dactyloides*)
- Turf-Type Tall Fescue (*Festuca arundinacea*)
- Perennial Ryegrass (*Lolium perenne*)

Visit www.denverwater.org for a complete description of each type of turf for your lawn.