

DISCUSS THE UNDERGROUND WORKINGS OF A

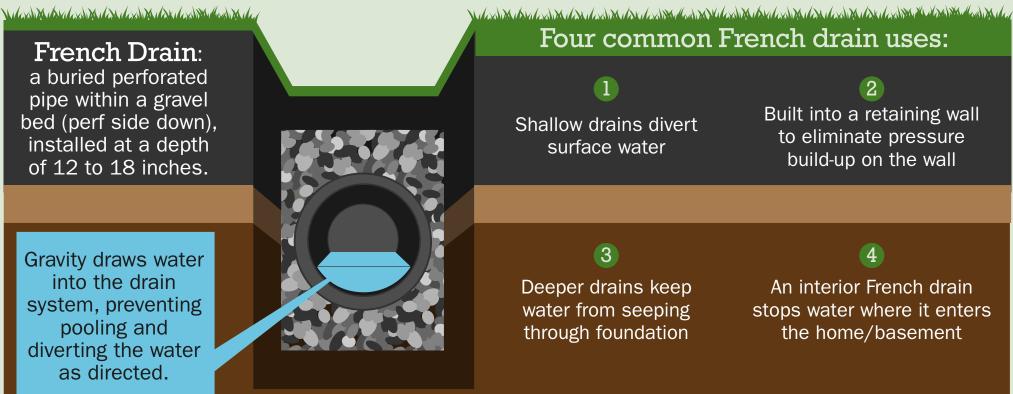
FRENCH DRAIN

If you have standing water, a soggy yard or just overall poor stormwater drainage, a French drain may be the solution to your problems.

WHAT IS A FRENCH DRAIN?

French Drain: a buried perforated pipe within a gravel bed (perf side down), installed at a depth of 12 to 18 inches.

Gravity draws water into the drain system, preventing pooling and diverting the water as directed.



Four common French drain uses:

Built into a retaining wall Shallow drains divert surface water

to eliminate pressure build-up on the wall

Deeper drains keep water from seeping through foundation

An interior French drain stops water where it enters the home/basement



Relatively low cost



Easy installation

Can be covered to



Generally low maintenance (up to 10 years without maintenance)



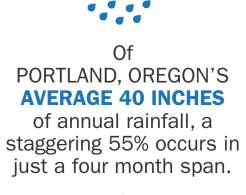
maintain the aesthetic beauty of the landscape

The French drain is not named

Fun Fact:

after European drainage practices, but after Massachusetts farmer, **Henry French**, who wrote about his techniques in his book on farming back in 1859.

WATER, WATER EVERYWHERE

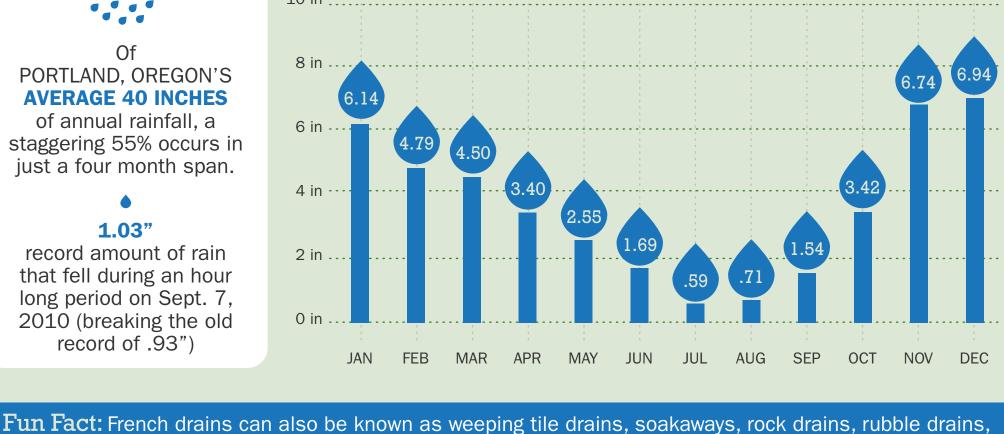


1.03" record amount of rain that fell during an hour long period on Sept. 7, 2010 (breaking the old

record of .93")

Mulch Layer

Temporary



Optional

Stone Well

perimeter drains and even French ditches.

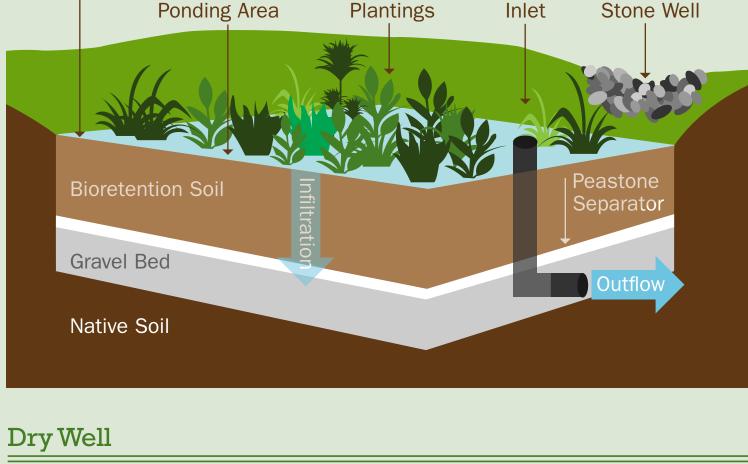
You can use the runoff from a French drain to be environmentally proactive by creating:

GO WITH THE FLOW: FRENCH DRAINS & STORMWATER MANAGEMENT

Rain Garden

Overflow

Inlet



Will do the control of the control o

Native

Plantings

French drain run filled with gravel and deep rooted, moisture-loving plants Water that isn't absorbed by the plants percolates

back down into the ground

A large, shallow bed

situated at the end of a

water supply Reduces the amount of pollutants that wash into lakes, streams, ponds and

treatment plants

Reduces strain on water

Slope-



the well to aid in water collection and to slow dispersion

Sometimes a perforated barrel is used in

A large hole lined with landscaping fabric

and filled with gravel

French drains

or a **GRAY FUNNEL**

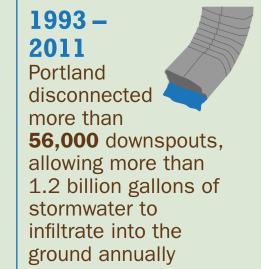
wetlands

Creates an area where water will collect and filter down into the soil Often placed at the junction of several

The landscape can be a **GREEN FILTER**









2008

43 acres of ecoroofs

NRDC.org, OregonLive.com



Portland budgets \$50 million in stormwater management fees to

invest in green infrastructure over the next five years, to result in:

planted trees

Over 80,000 newly

The purchase of 419 acres of "high priority" natural areas



components

920 "green street"

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