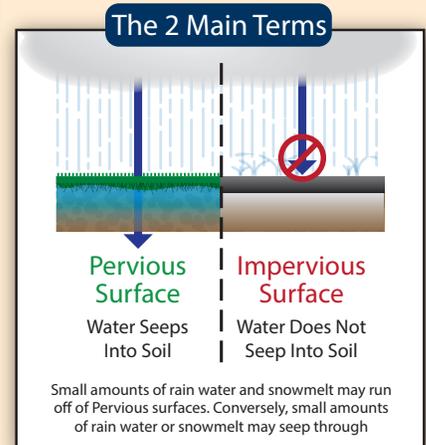


What is Drainage?

Drainage: Rainwater or snowmelt that drains from your property into the combined sewer system.



1. Rain and snow fall on your property.

2. Rainwater and snowmelt seep through **pervious** surfaces like lawns

3. This seepage flows into the soil and becomes groundwater.

4. Rainwater and snowmelt on hard, **impervious** surfaces such as driveways do not seep into the soil and become runoff.

5. This runoff is mixed with dirt and debris and becomes polluted.

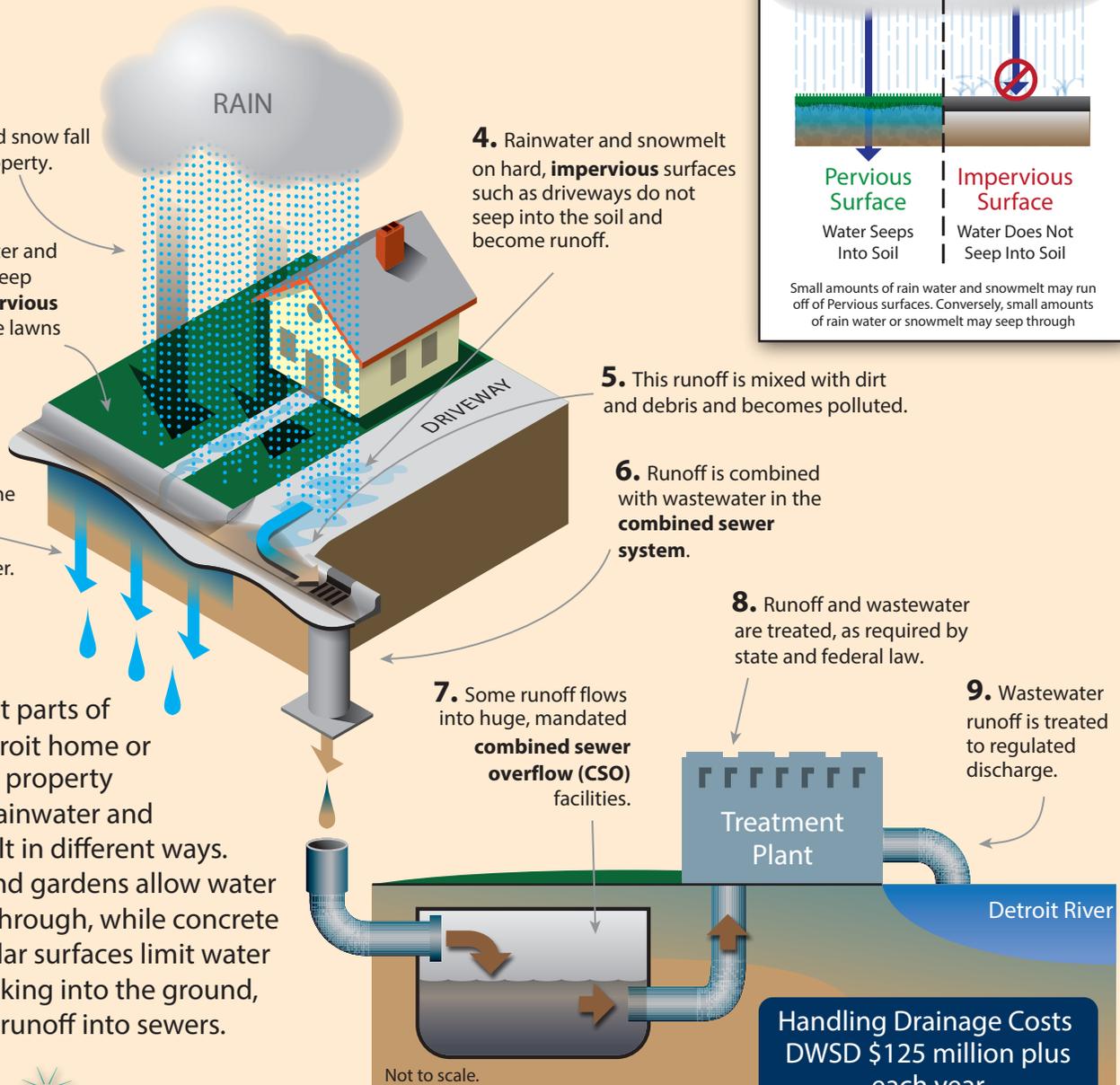
6. Runoff is combined with wastewater in the **combined sewer system**.

8. Runoff and wastewater are treated, as required by state and federal law.

9. Wastewater runoff is treated to regulated discharge.

7. Some runoff flows into huge, mandated **combined sewer overflow (CSO)** facilities.

Different parts of your Detroit home or business property handle rainwater and snowmelt in different ways. Lawns and gardens allow water to soak through, while concrete and similar surfaces limit water from soaking into the ground, creating runoff into sewers.



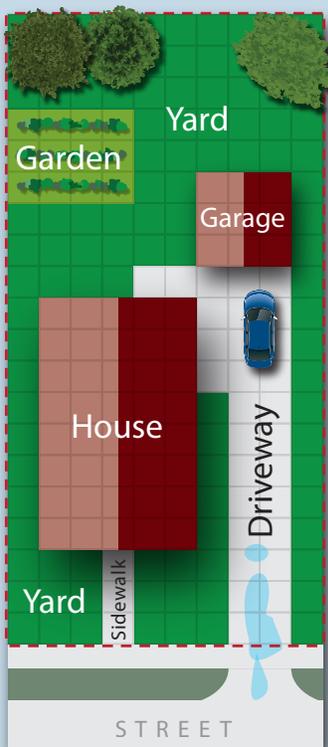
Handling Drainage Costs DWSD \$125 million plus each year



Drainage and Your Property

COMPARING PERVIOUS AND IMPERVIOUS AREAS

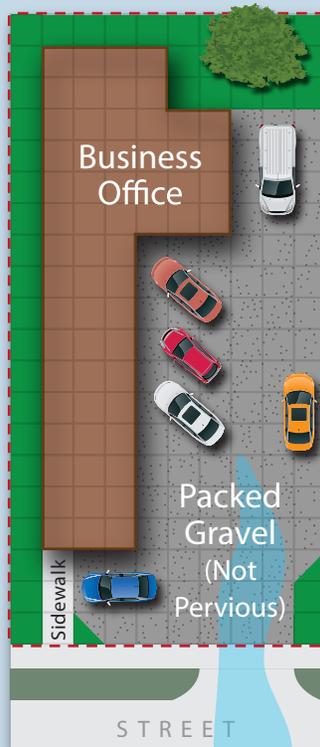
Example A:
Homeowner's Lot



63% of this lot
is made up
of pervious surfaces

Green areas = Pervious.
Concrete = Impervious.

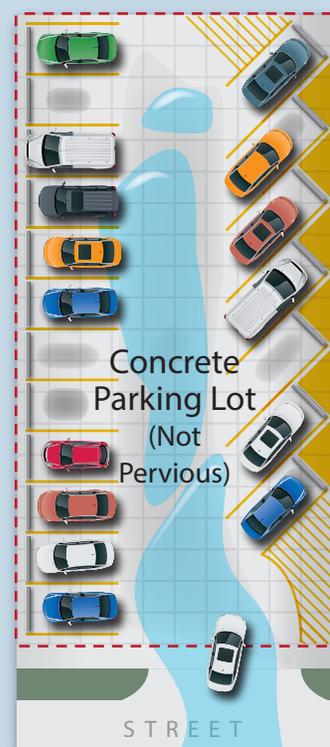
Example B:
Business Lot



21% of this lot
is made up
of pervious surfaces

Green areas = Pervious.
Packed Gravel = Impervious.

Example C:
Parking Lot



0% of this lot
is made up
of pervious surfaces

Concrete = Impervious.

The Detroit Water and Sewerage Department serves 200,000 residential and commercial customer accounts, nearly 700,000 individuals. DWSD's water network consists of more than 2,700 miles of transmission and distribution mains and nearly 3,000 miles of sewer collection piping. To learn more about the Detroit Water and Sewerage Department or to request water services, make payments, or report water problems, call DWSD Customer Care at **313-267-8000** or contact us at: www.detroitmi.gov/dwspd.



For more information on Drainage,
Visit www.detroitmi.gov/drainage
or call **313-267-8000**.