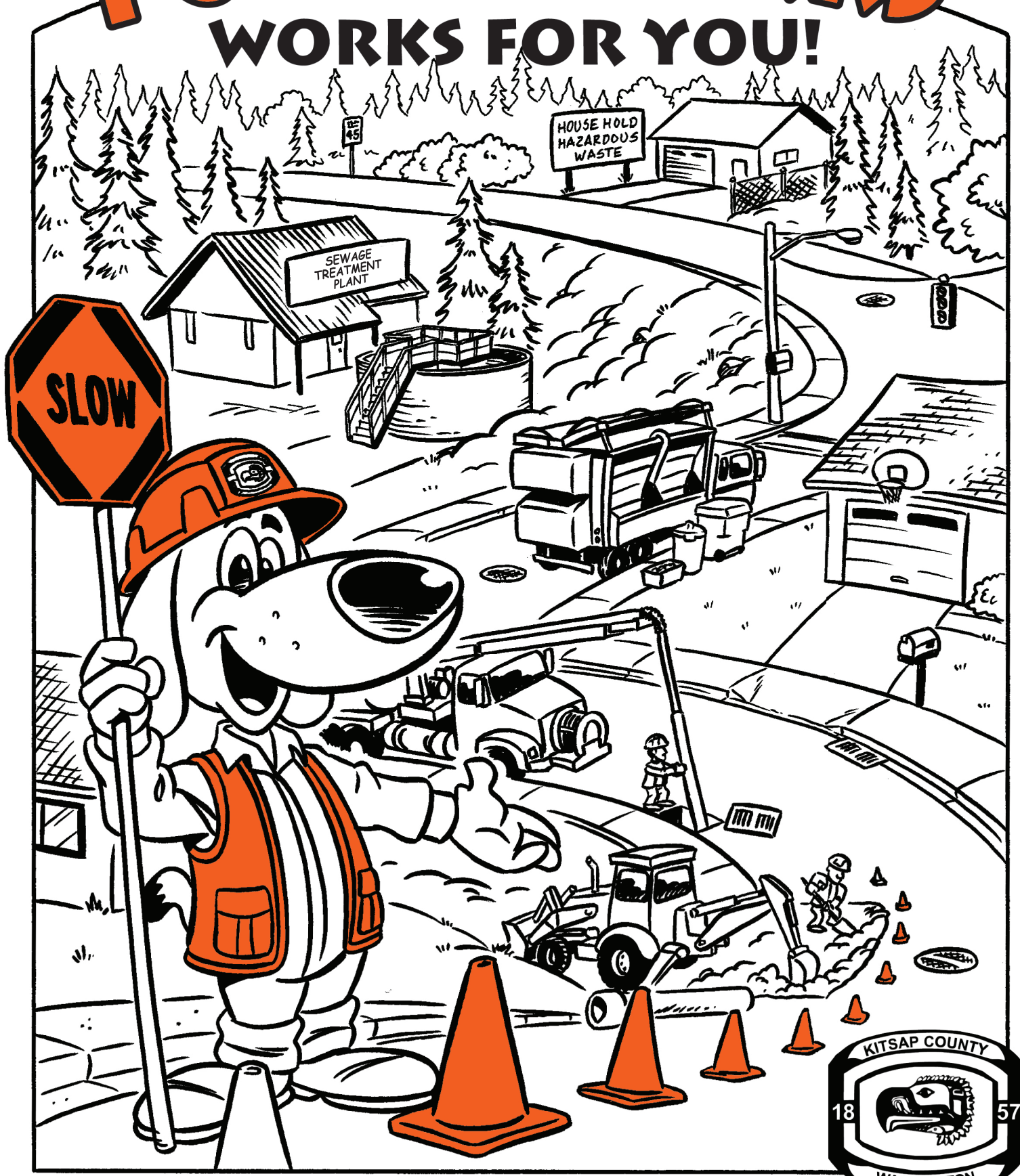
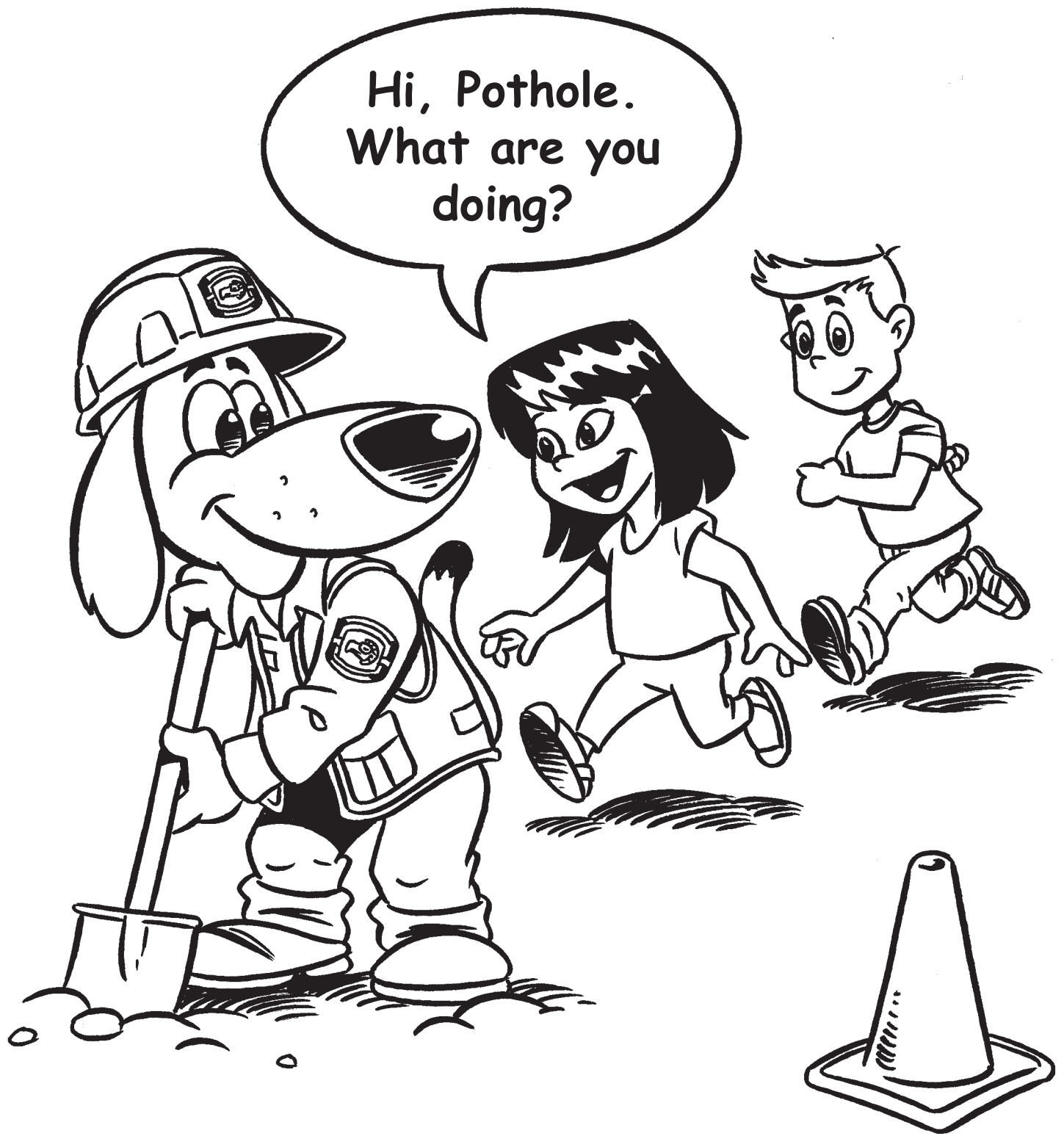


# PUBLIC WORKS

## WORKS FOR YOU!





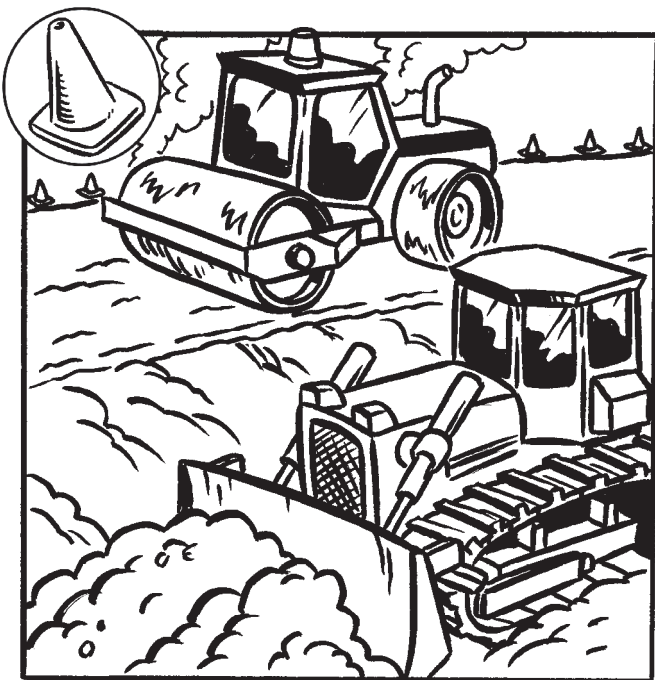
Let Pothole the Public Works Pooch show you Public Works in action.



# Public Works does a lot for our community

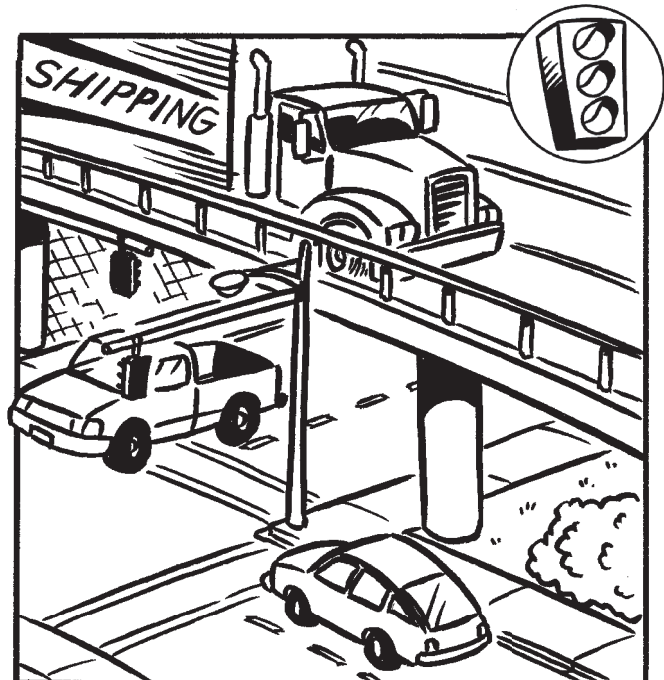
## Road Construction

This Division designs, builds, and maintains roads. They also make the roads we have wider and safer and maintain our roads by filling potholes and laying new asphalt.



## Traffic and Transportation Planning

Traffic includes the signs, signals, and striping needed to keep people safe on the roads. Transportation planning helps vehicles and people move through an area.



## Solid Waste

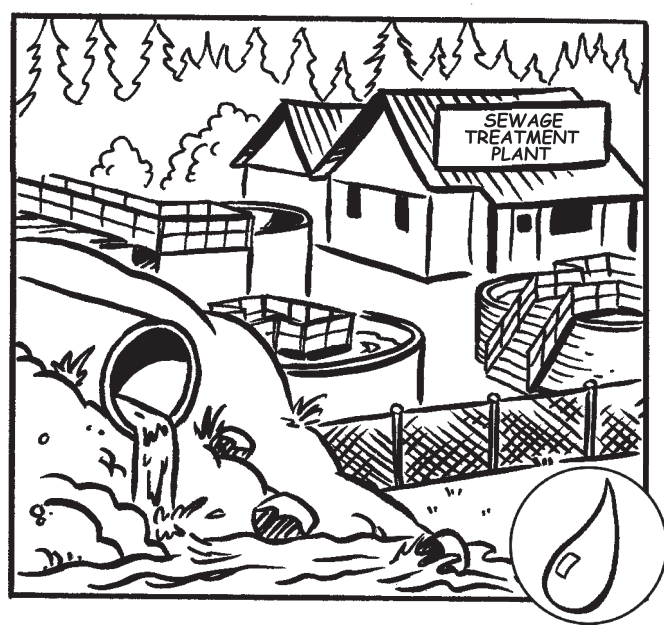
This Division makes sure solid waste (garbage) is taken care of by recycling, reusing, donating things, composting, or sending it to a landfill. They also help take care of household hazardous waste.



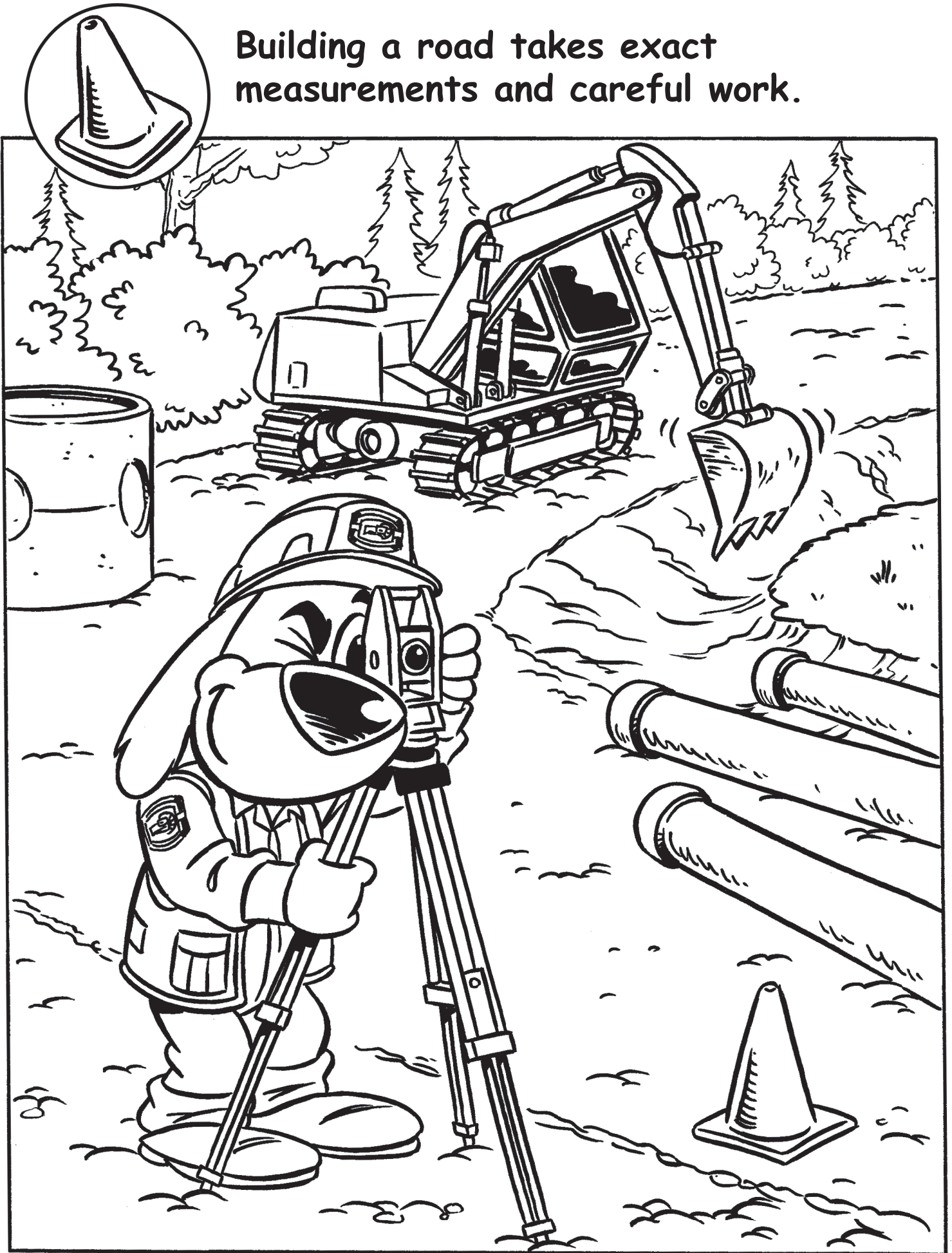
## Stormwater and Wastewater

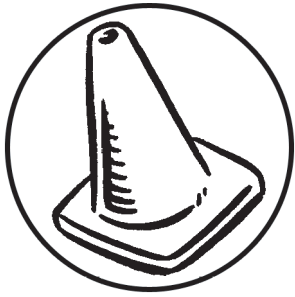
The Stormwater Division keeps our roads and buildings from flooding during rainstorms and helps keep our waterways clean.

The Wastewater Division cleans the water from our sinks, toilets, and washers before it goes into Puget Sound.

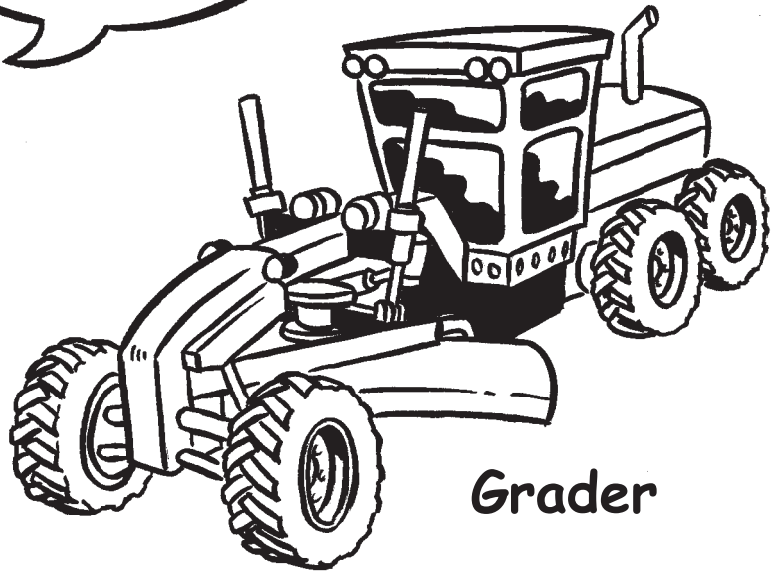


Building a road takes exact measurements and careful work.

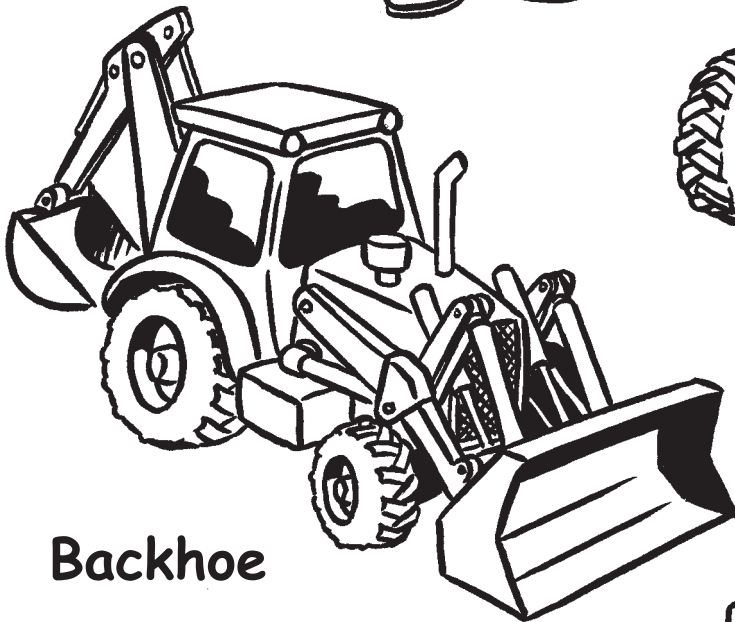




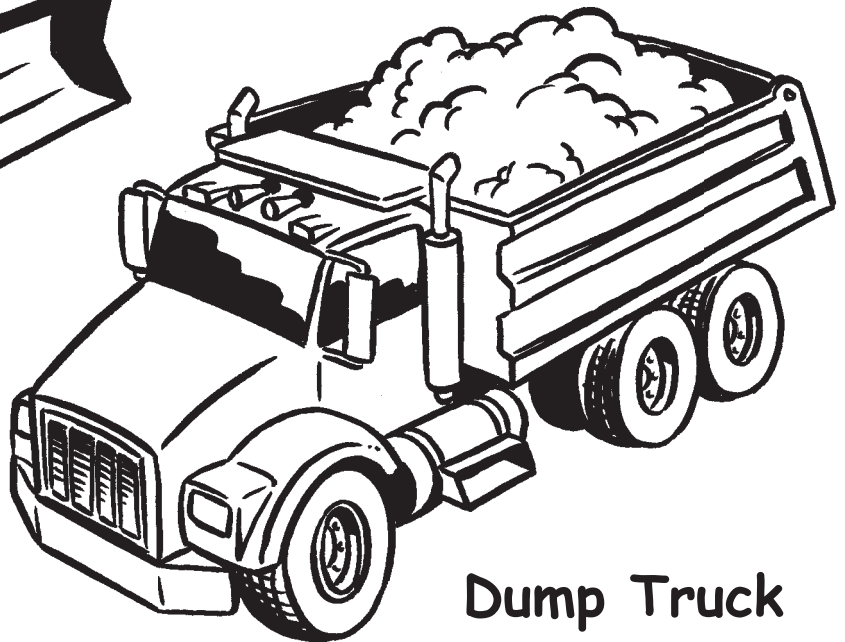
Big trucks  
make big  
roads!



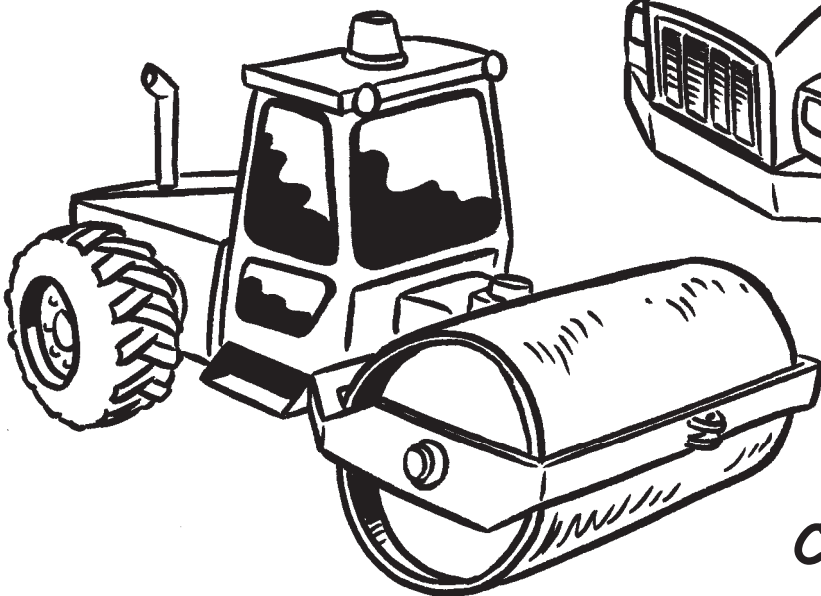
Grader



Backhoe



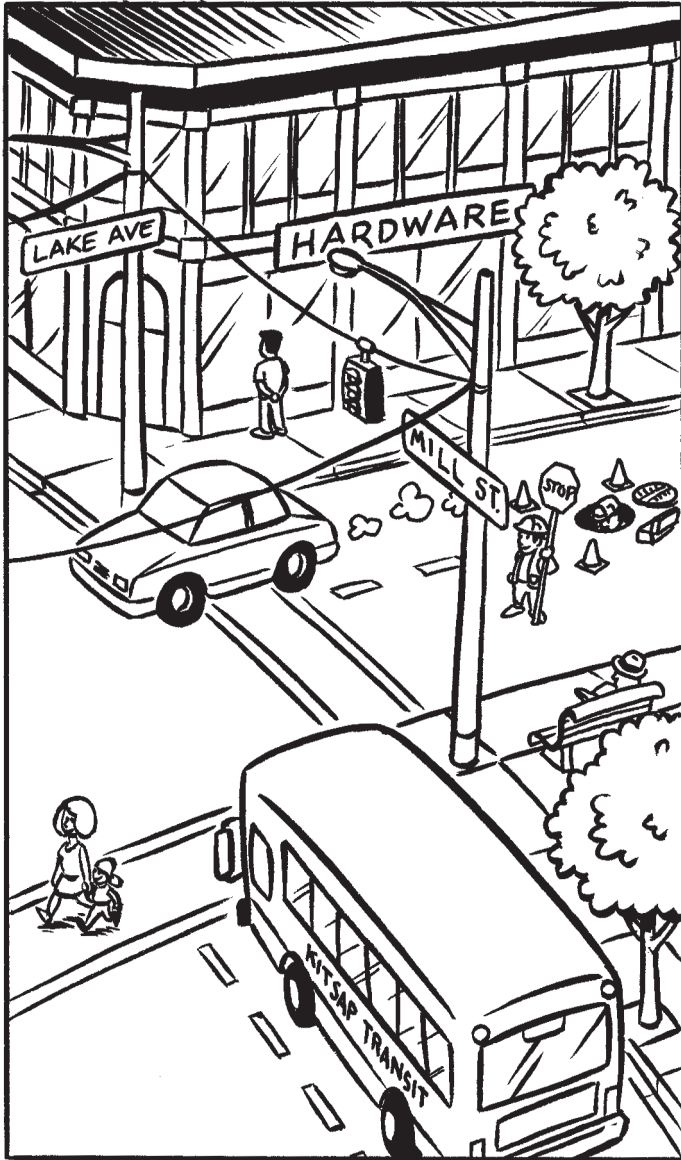
Dump Truck



Compactor



Circle the differences between the pictures (hint: there are 10).



List some things in the pictures about traffic or transportation:

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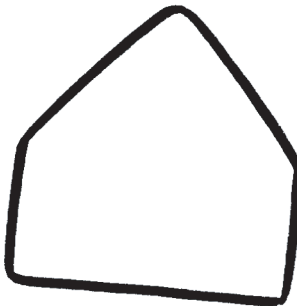
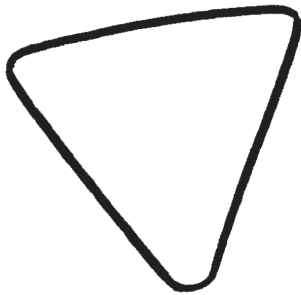
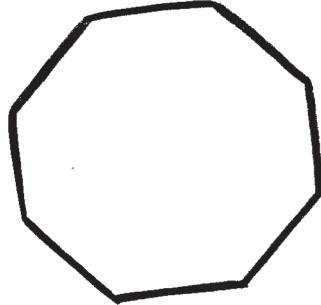
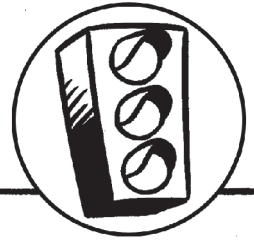
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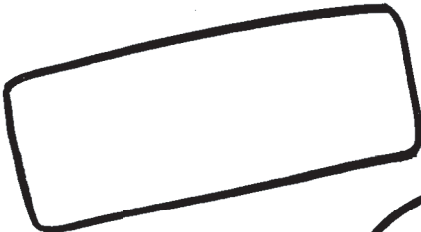
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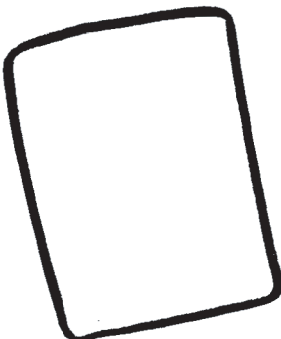
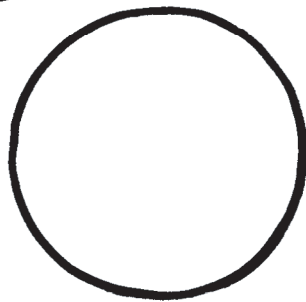
Match the shape in the first column with what goes in the sign from the second column.



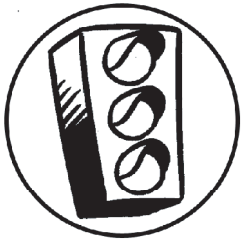
STOP



SPEED  
LIMIT  
**25**



**YIELD**



# Safety Message Wheel

Start with the letter indicated and write every other letter as you go around the wheel to find the hidden message.

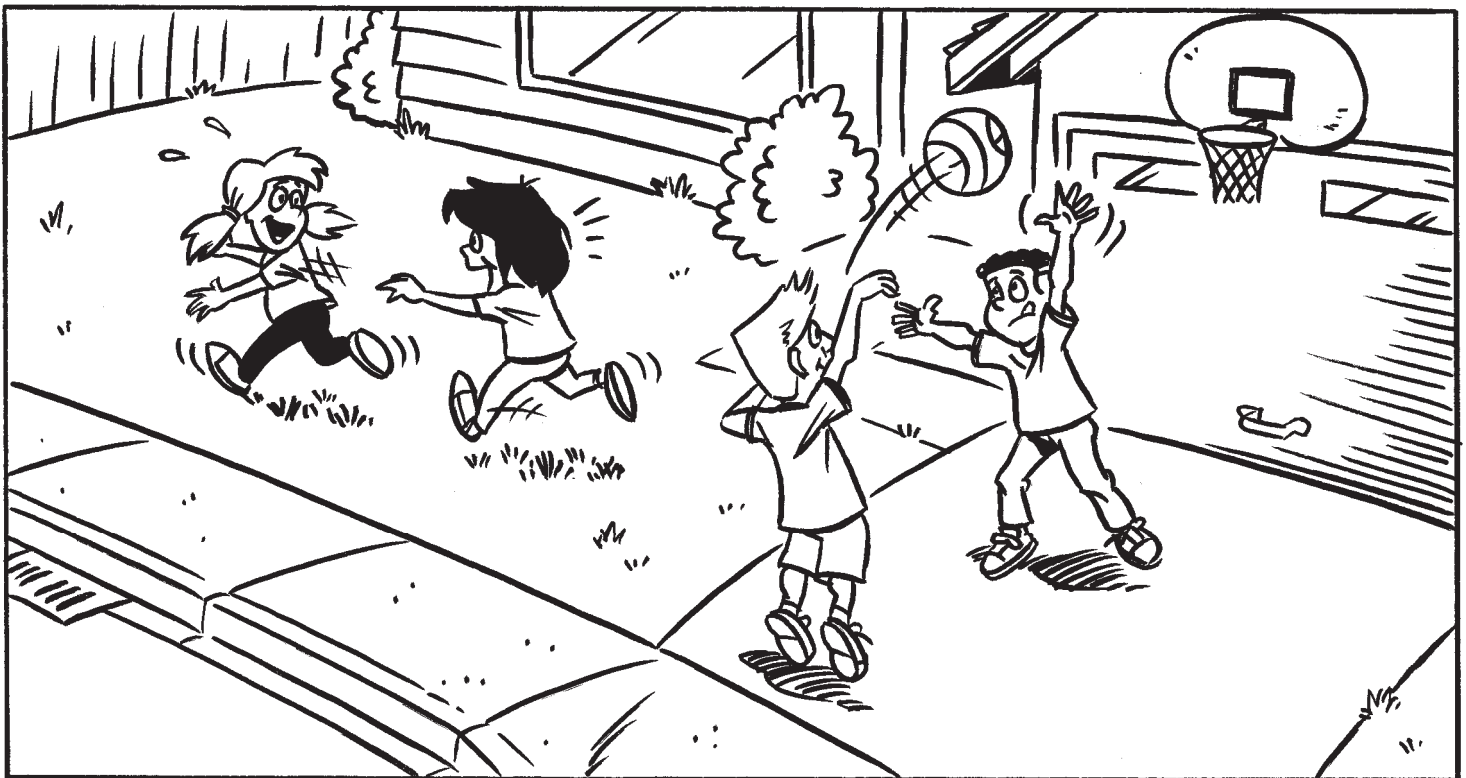


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Trash, garbage, waste... most of it ends up in a landfill. Every day trucks bring garbage to the transfer station. The garbage is put on railroad cars and shipped to Eastern Oregon.



Recycling is a great way to save natural resources, energy, money, and landfill space. Instead of throwing things into the garbage can, put them into the recycling bin.



Some things around the house and garage can be dangerous. Look for the words Caution, Warning, Danger, or Poison. If you see them, don't touch!



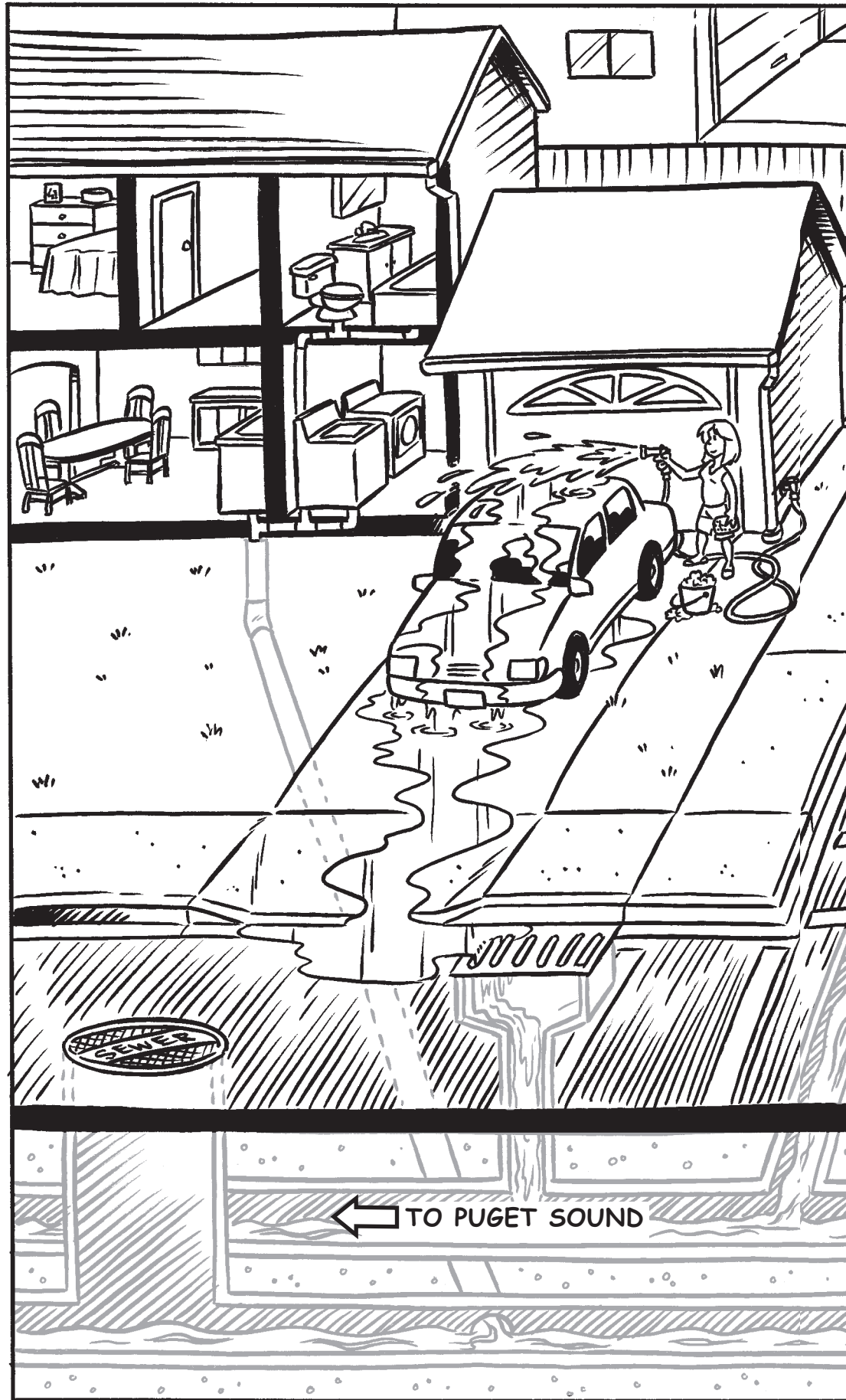
# Stormwater and Sewer Systems

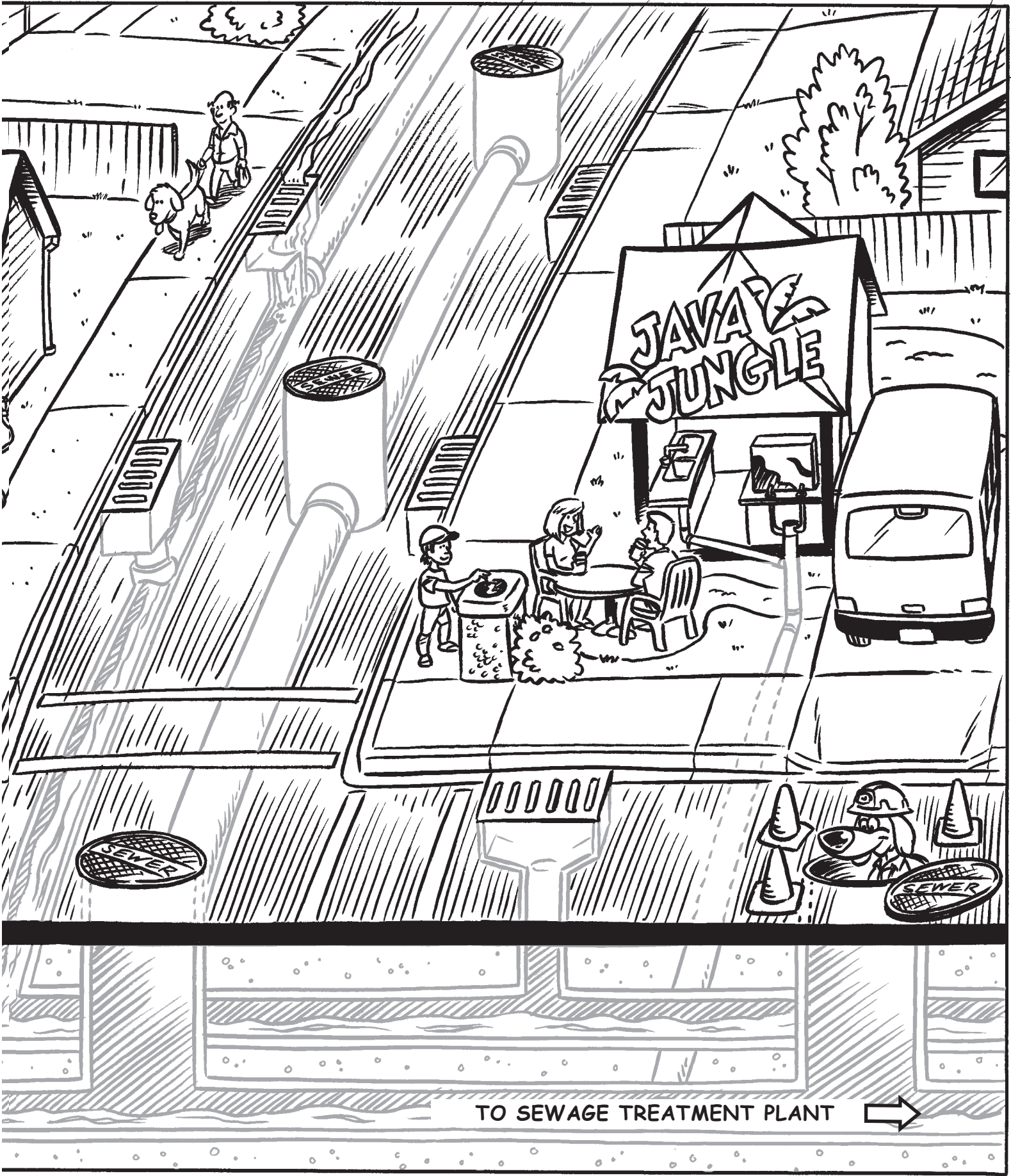
Wastewater is from inside your home. It's from sinks, toilets, baths, and washers. This water goes through the sewer to a treatment plant to be cleaned **BEFORE** it goes to Puget Sound.

Stormwater is water and runoff from rain. It flows over roofs, roads, driveways, lawns, and other hard surfaces. Then it goes through storm drains and pipes **DIRECTLY** to streams and Puget Sound.

Color all the sewer covers green. How many are there? \_\_\_\_\_

Color all the storm drains blue. How many are there? \_\_\_\_\_



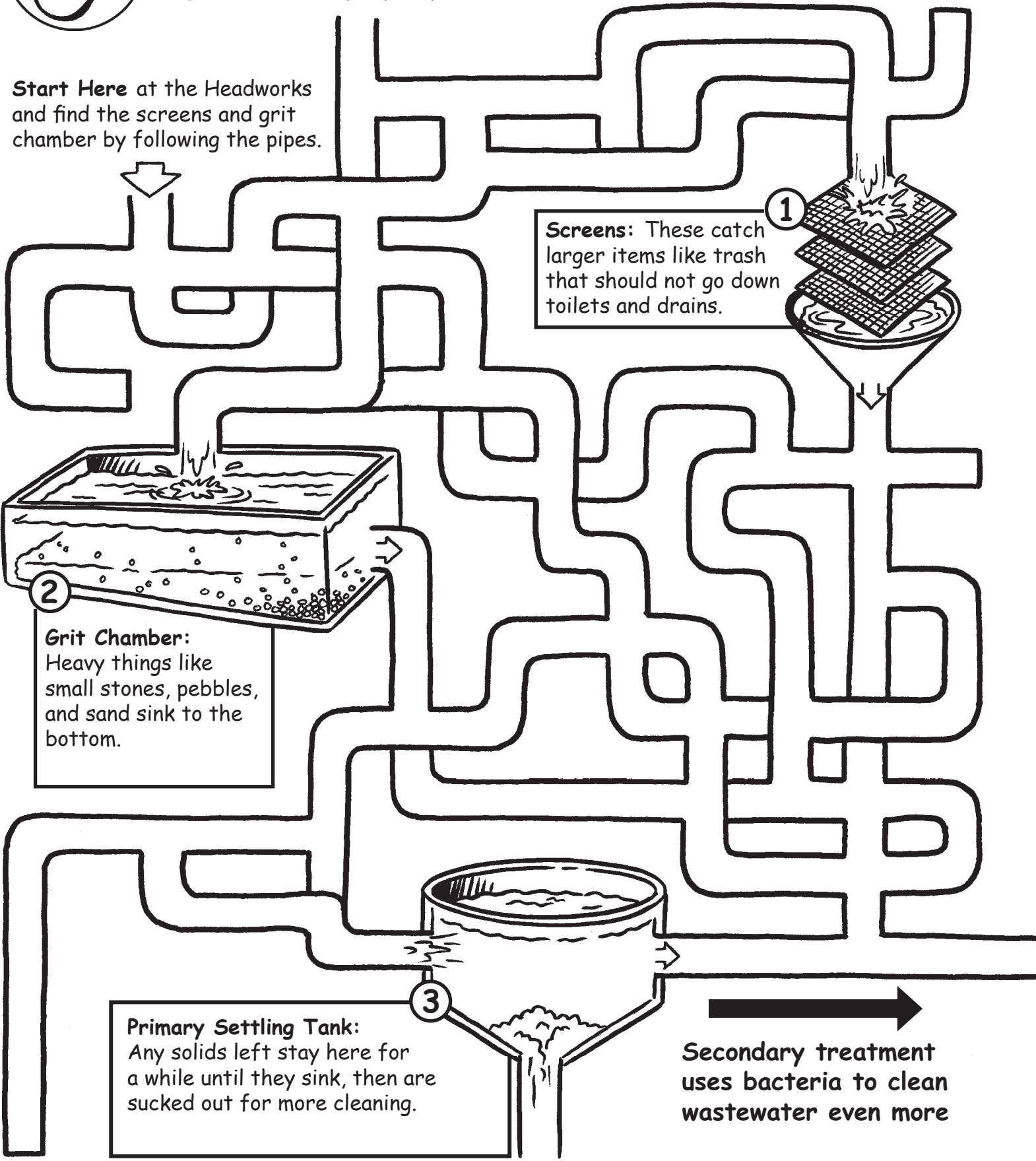




# How does a wastewater treatment plant work?

Move the wastewater through the maze in the correct order so it gets cleaned properly

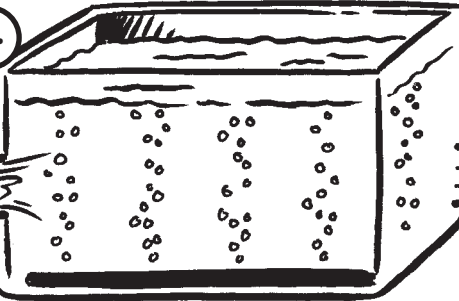
Start Here at the Headworks and find the screens and grit chamber by following the pipes.



**Aeration Tank:**

Air is added to help bacteria grow as they breakdown the remaining waste.

4



**Secondary Settling Tank:**

This is the last chance for the bacteria and waste floating in the water to sink to the bottom.

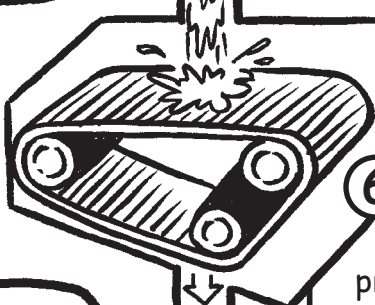
5



**Thickener:**

Filters and conveyor belt-presses remove most of the water left in the sludge

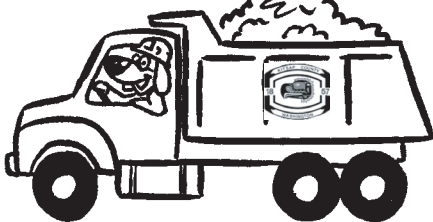
6



7

**Treated Sludge:**

This is sent to a company for additional treatment so it can be safely used in forests, lawns, fields and parks.



**Disinfection:**

Water is exposed to strong ultraviolet light to kill any remaining bacteria.

8

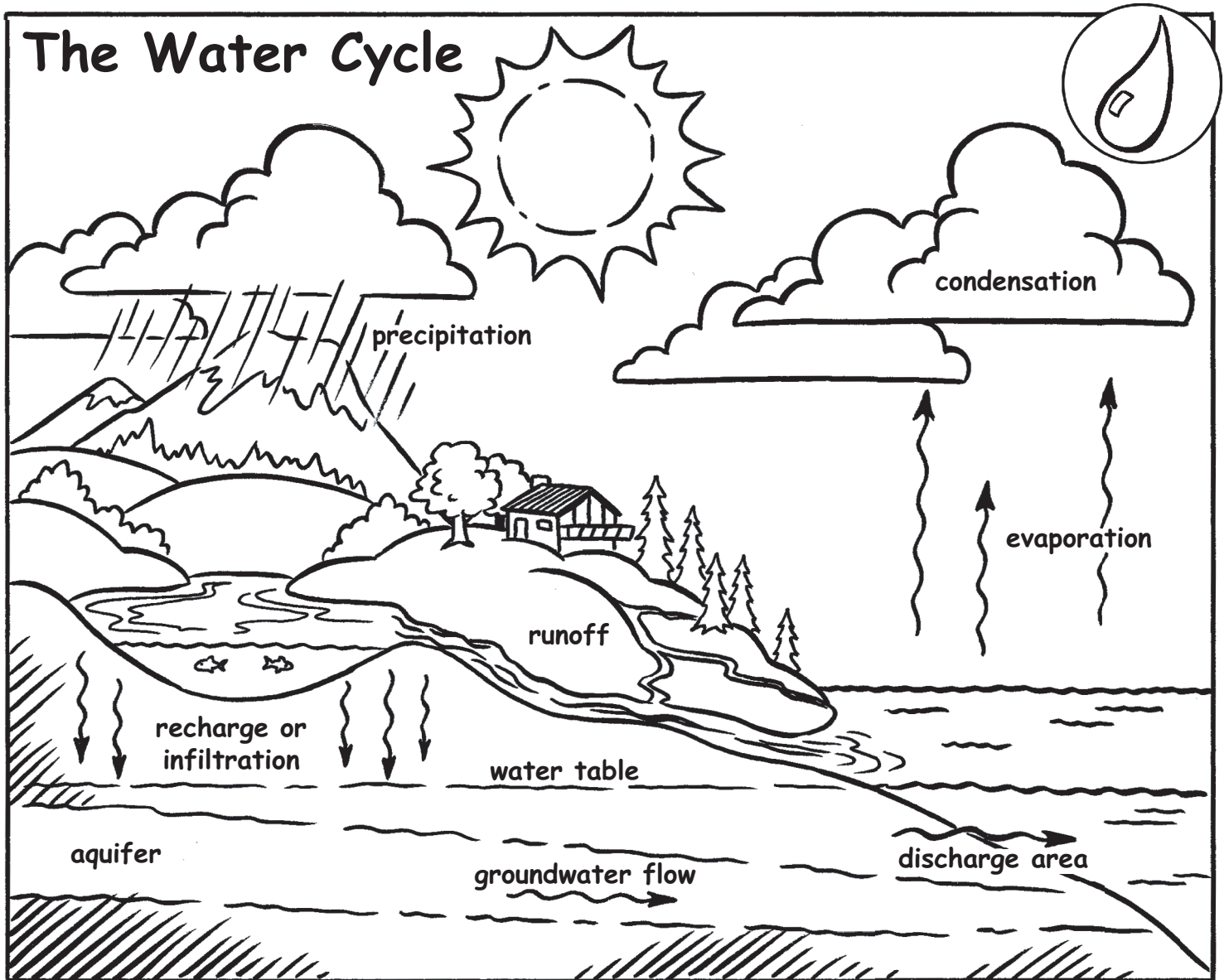


**Outfall:**

The treated water is released into Puget Sound, ready to go through the water-cycle again!

9





Water goes through an amazing journey from the earth to the sky and back again. This is called the water cycle. Very few drops are added or lost in this cycle. In fact, the water you drink today could be the same water dinosaurs drank! Can you think of other places the water you drink today could have been in the past?





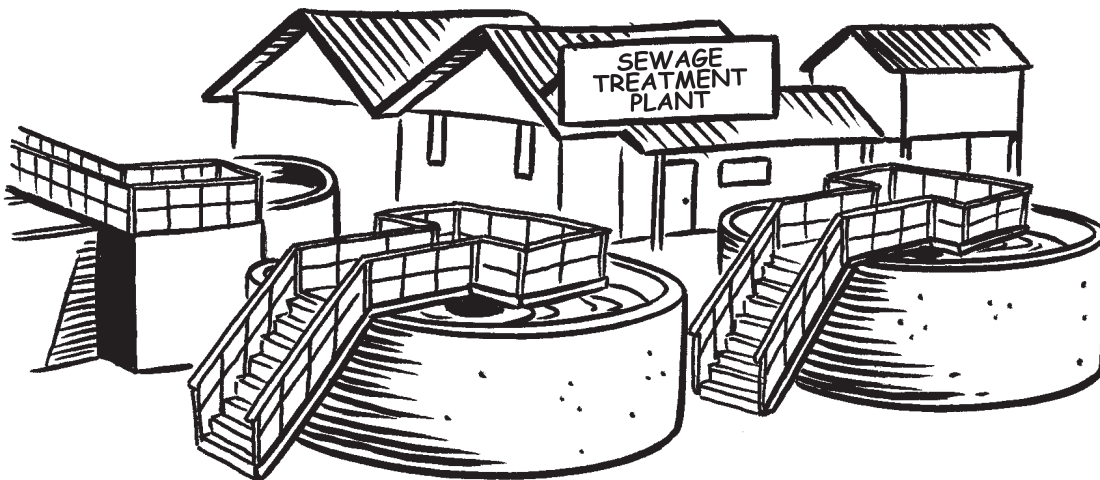
Help Pothole decode these  
Public Works messages.



19 20 15 18 13 4 18 1 9 14 19 12 5 1 4 20 15 19 20 18 5 1 13 19

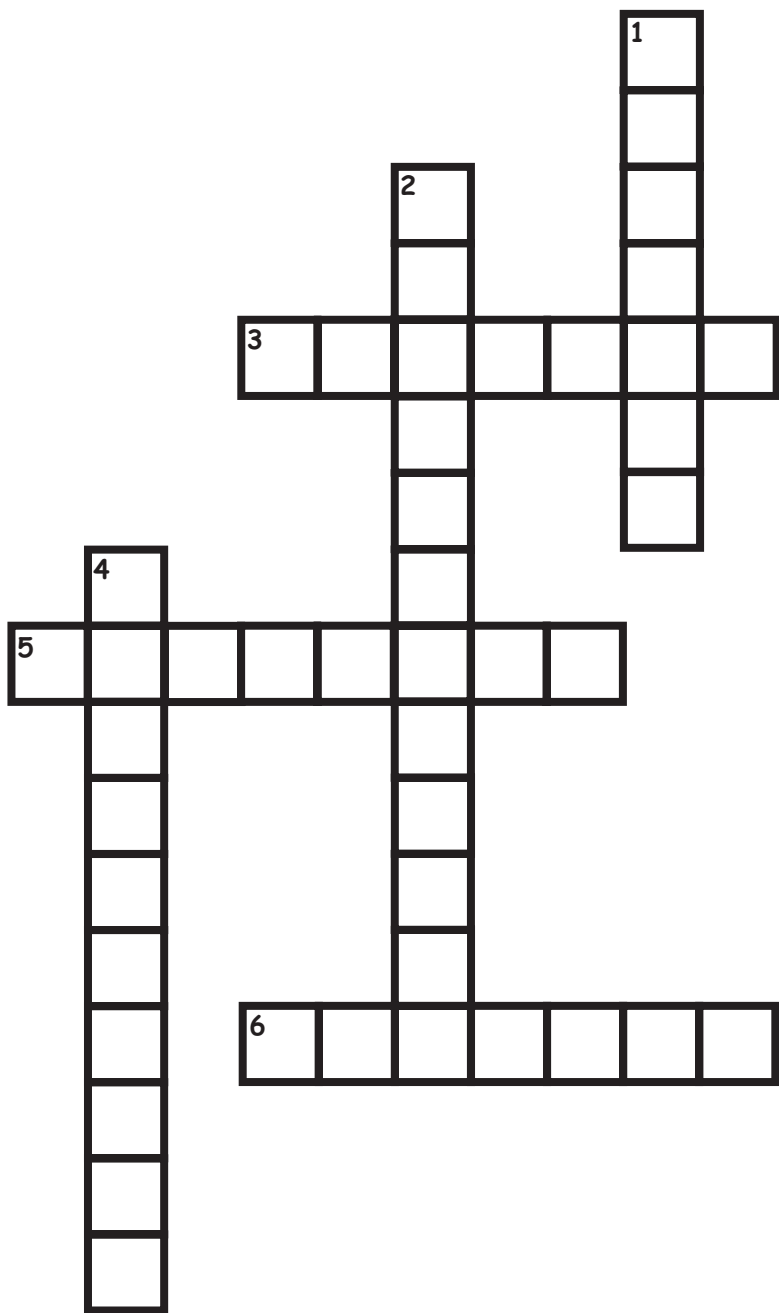
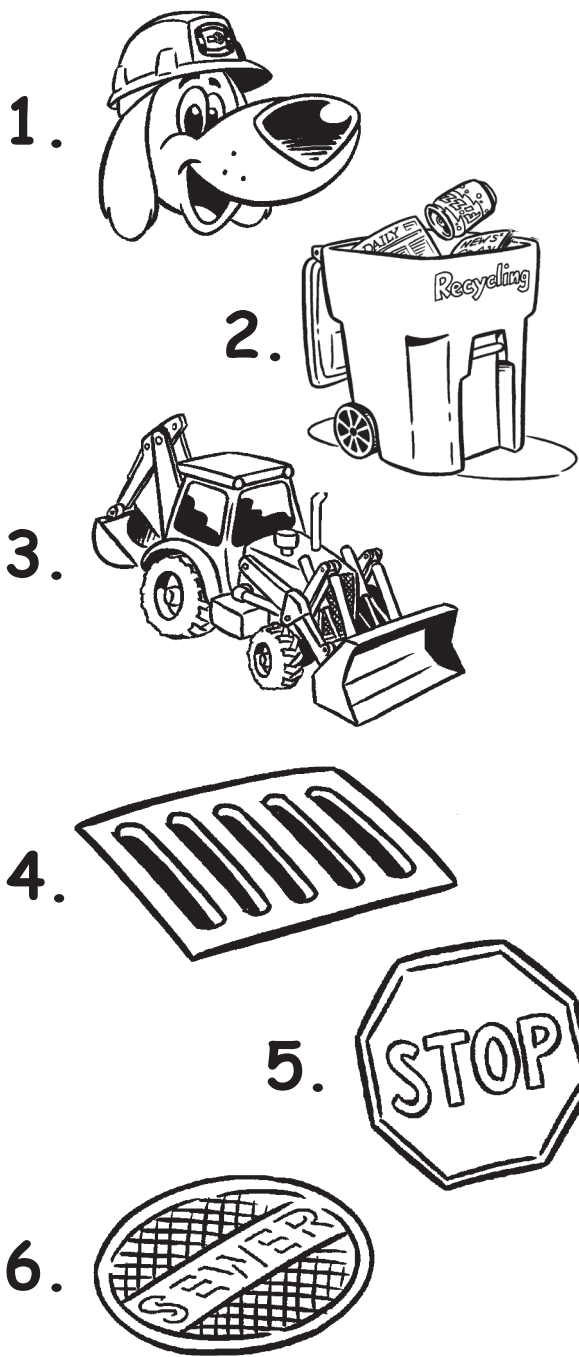
23 1 19 20 5 23 1 20 5 18 20 18 5 1 20 13 5 14 20 16 12 1 14 20 19

8 5 12 16 18 5 3 25 3 12 5 23 1 20 5 18



- 1 = A
- 2 = B
- 3 = C
- 4 = D
- 5 = E
- 6 = F
- 7 = G
- 8 = H
- 9 = I
- 10 = J
- 11 = K
- 12 = L
- 13 = M
- 14 = N
- 15 = O
- 16 = P
- 17 = Q
- 18 = R
- 19 = S
- 20 = T
- 21 = U
- 22 = V
- 23 = W
- 24 = X
- 25 = Y
- 26 = Z

Use the pictures to solve the crossword.

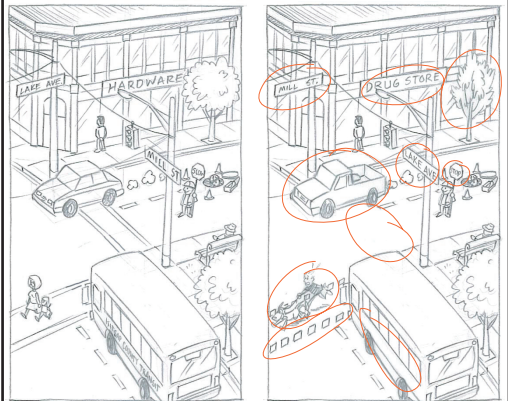


Answers: 1. Pothole 2. Recycling Bin 3. Backhoe 4. Stormdrain 5. Stopsign 6. Manhole

Wow!  
Public Works people  
are everywhere!  
Thanks for showing us  
what they do for our  
community!



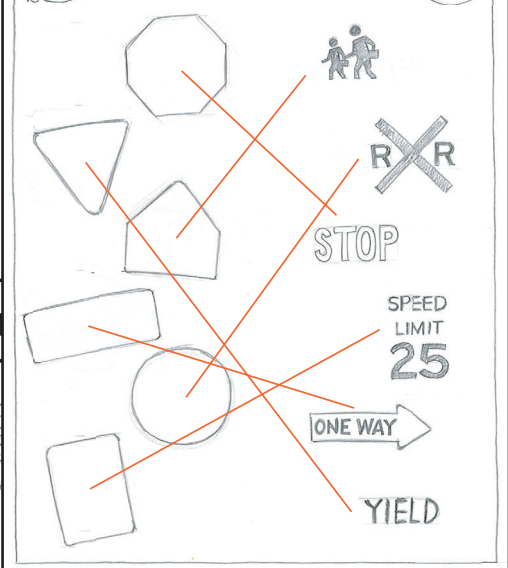
Circle the differences between the pictures (hint: there are 10). Next list some things in the pictures about traffic or transportation on the lines below.



Things in the pictures about traffic or transportation:

street sign	crosswalk
traffic light	street light
road crew	bus

Match the shape in the first column with the correct word for the sign in the second column.



**Safety Message Wheel**

Start with the letter indicated and write every other letter as you go around the wheel to find the hidden message.

**D O N ' T P L A Y O N  
O R N E A R  
T H E R O A D**

**Help Protect Our Water**

**STORM DRAINS LEAD TO STREAMS**  
19 20 15 18 13 4 18 1 9 14 19 12 5 1 4 20 15 19 20 18 5 1 13 19

**WASTEWATER TREATMENT PLANTS**  
23 1 19 20 5 23 1 20 5 18 20 18 5 1 20 13 5 14 20 16 12 1 14 20 19

**HELP RECYCLE WATER**  
8 5 12 16 18 5 3 25 3 12 5 23 1 20 5 18

7 = G  
8 = H  
9 = I  
10 = J  
11 = K  
12 = L  
13 = M  
14 = N  
15 = O  
16 = P  
17 = Q  
18 = R  
19 = S  
20 = T  
21 = U  
22 = V  
23 = W  
24 = X  
25 = Y  
26 = Z



Dear Parent:

This activity book was created to introduce children to an important part of our community, Kitsap County Public Works.

Children often wonder:

- What makes traffic lights change color?
- Where does the garbage go after the garbage truck picks it up?
- What happens to all the rainwater?
- Where does the water go after the toilet is flushed?
- How do roads get made?

By helping children answer these questions, they gain a better understanding of the world around them and how their actions affect the environment and our quality of life.

Kitsap County Public Works offers educational displays, materials, and curricula on many issues including managing surface and stormwater, treating wastewater, composting, recycling, and the safe disposal of hazardous household products. Going on field trips to the wastewater treatment plants and the Olympic View Transfer Station, and stenciling storm drains give families and groups the opportunity to see Public Works in action.

If you have questions, comments, or need additional information, please contact us at:



Kitsap County Public Works  
Kitsap1: 360.337.5777  
[www.KitsapGov.com/pw](http://www.KitsapGov.com/pw)