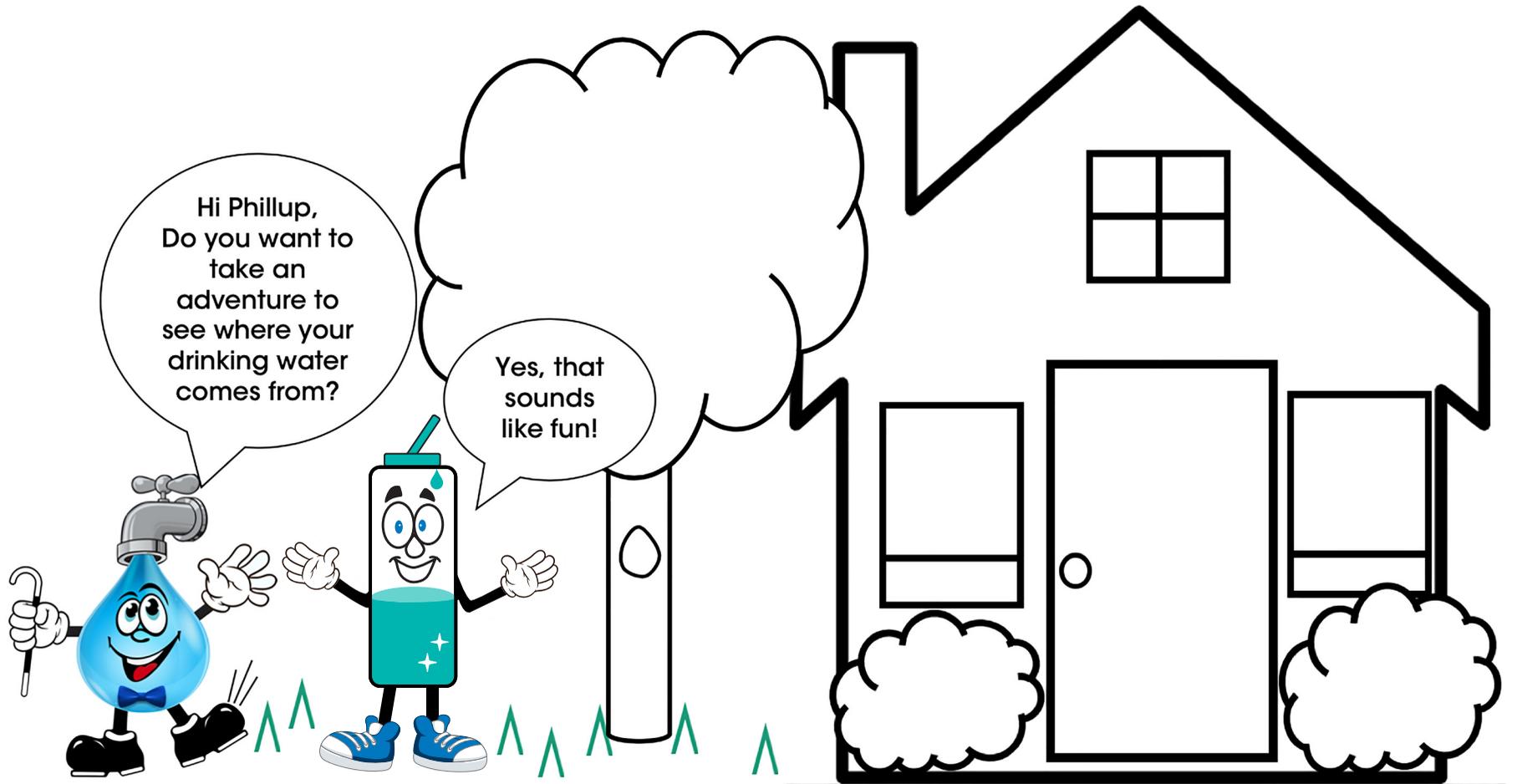


THE ADVENTURES OF TOMMY TAP WATER & PHILLUP COLORING BOOK

LANSING
BWL
Hometown People. Hometown Power.



**WELCOME TO OUR ADVENTURE.
HI, I'M TOMMY TAP WATER, THE LANSING
BOARD OF WATER & LIGHT'S WATER
MASCOT, AND THIS IS MY COUSIN
PHILLUP. LET'S TAKE AN ADVENTURE TO
SEE WHERE YOUR WATER COMES FROM,
WHAT WE DO TO KEEP IT SAFE TO DRINK,
AND HOW IT GETS TO YOUR FAUCETS FOR
DRINKING, COOKING, BATHING, LAUNDRY
AND SO MUCH MORE.**



Hi Phillip,
Do you want to
take an
adventure to
see where your
drinking water
comes from?

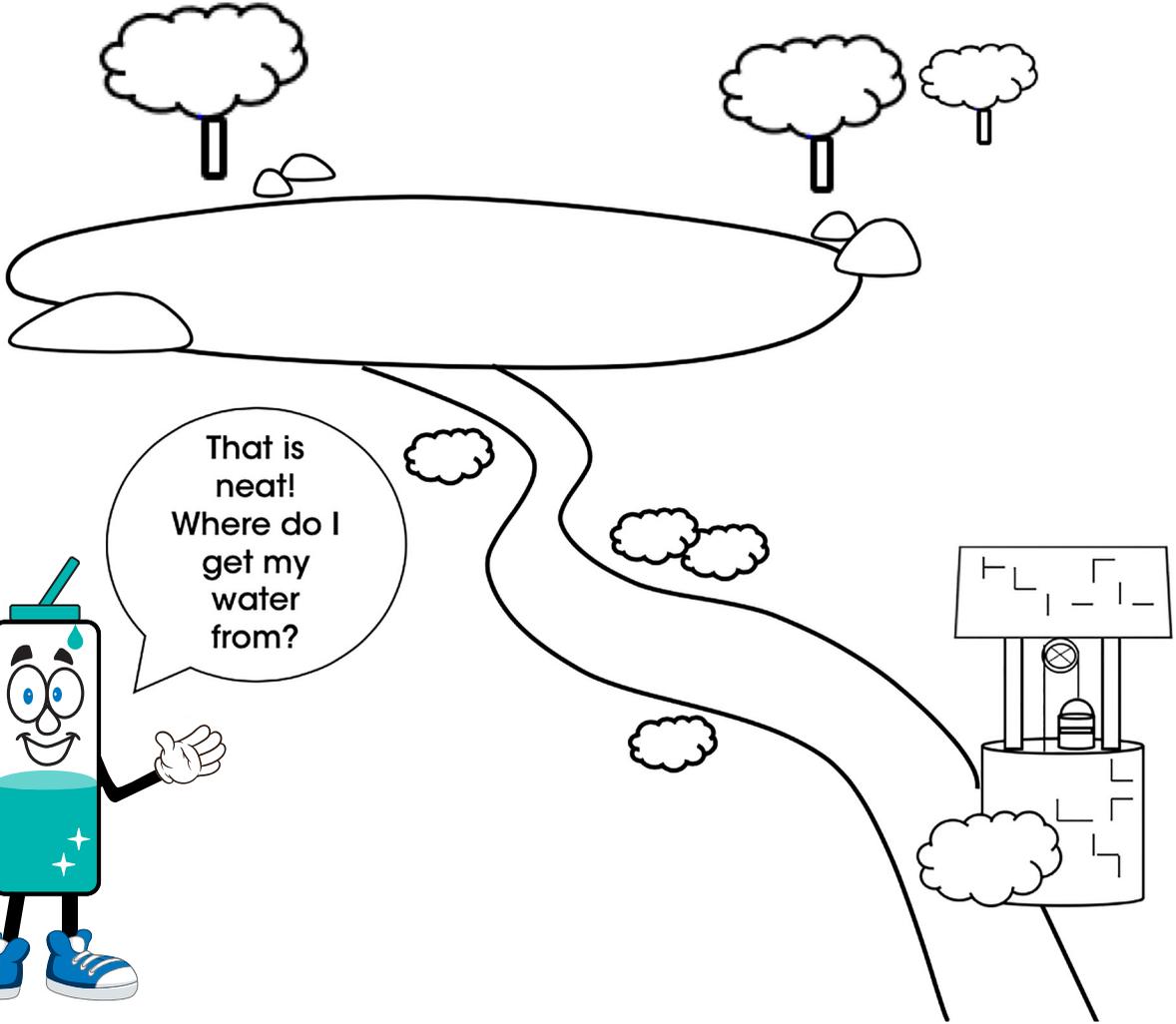
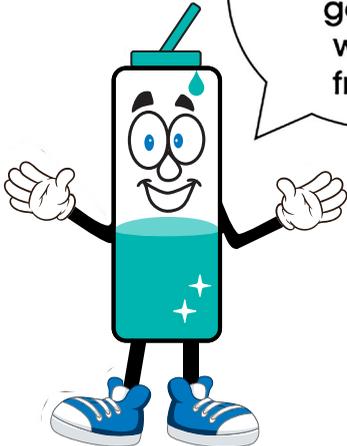
Yes, that
sounds
like fun!

WHERE WATER CAN COME FROM

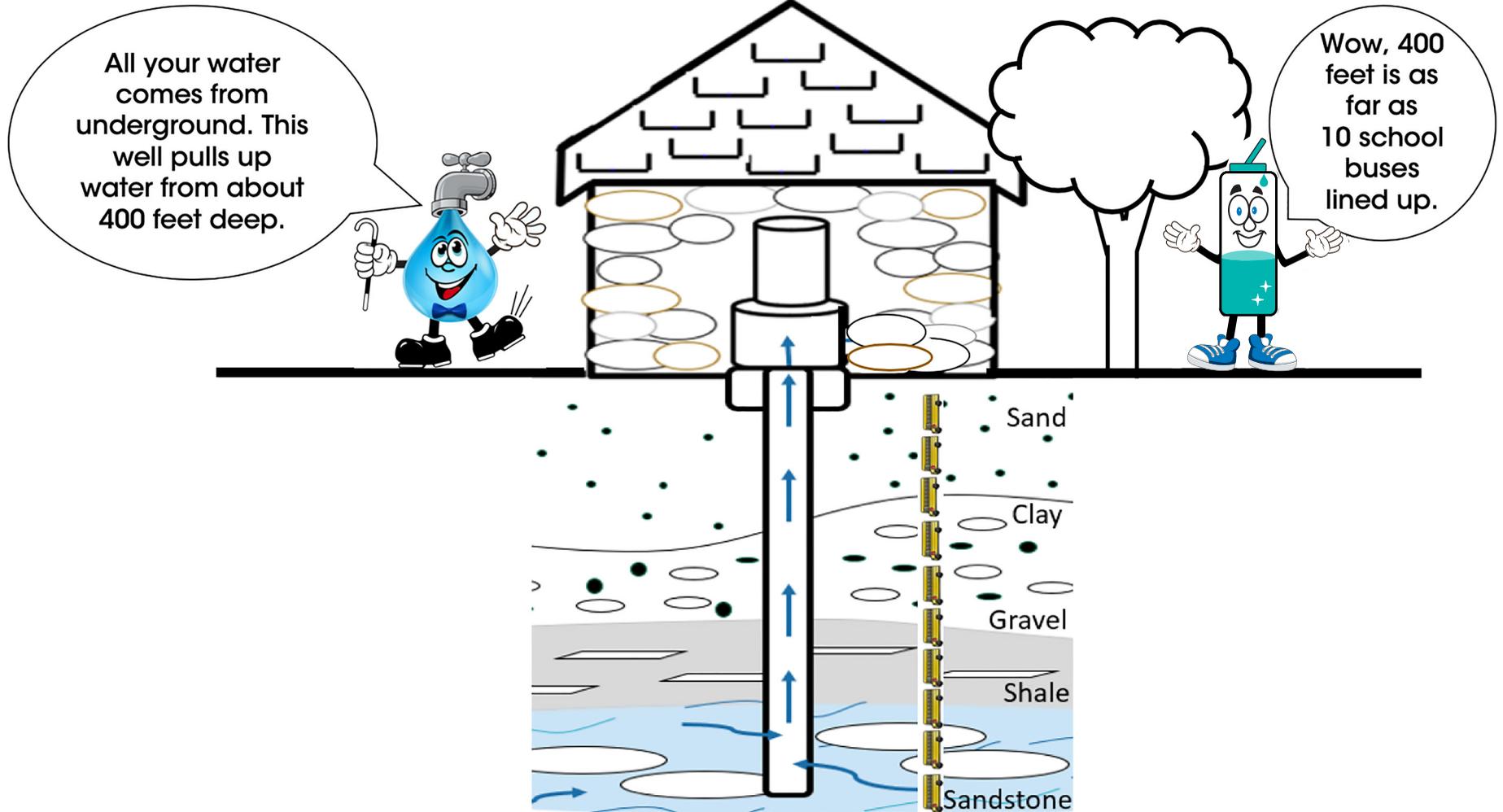
Did you know your water can come from lakes, rivers and underground from wells?



That is neat! Where do I get my water from?

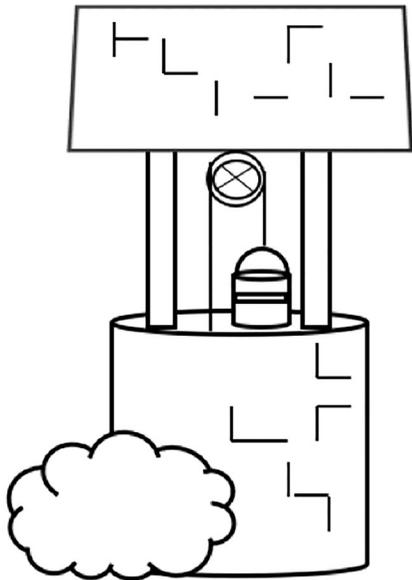


VISIT TO A WELLHOUSE

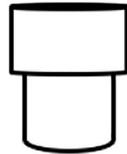


BWL FACT: WE HAVE 125 WELLS THROUGHOUT LANSING. THE WATER IS CLEAN ENOUGH TO DRINK AND IS LARGELY PROTECTED BY A SHALE (SOLID) LAYER ABOVE THE WATER SUPPLY.

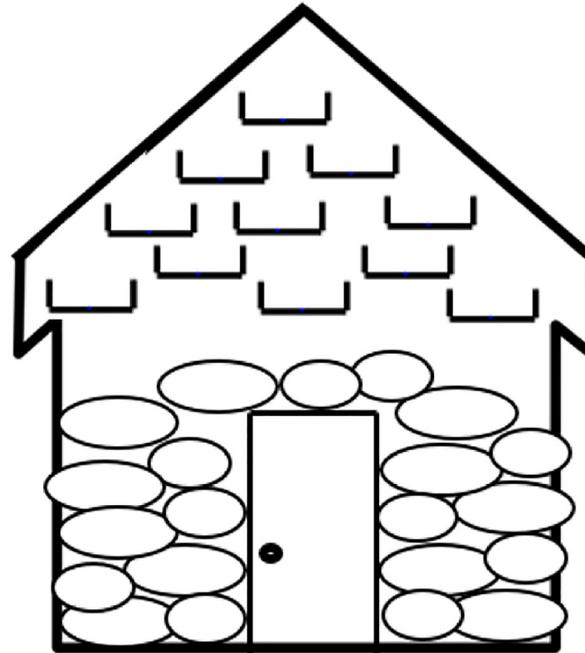
HOW A WELL MIGHT LOOK



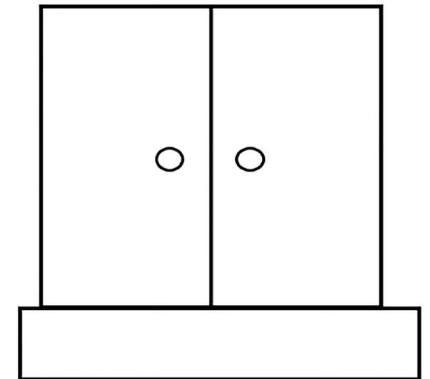
Wishing Well



Well Cap



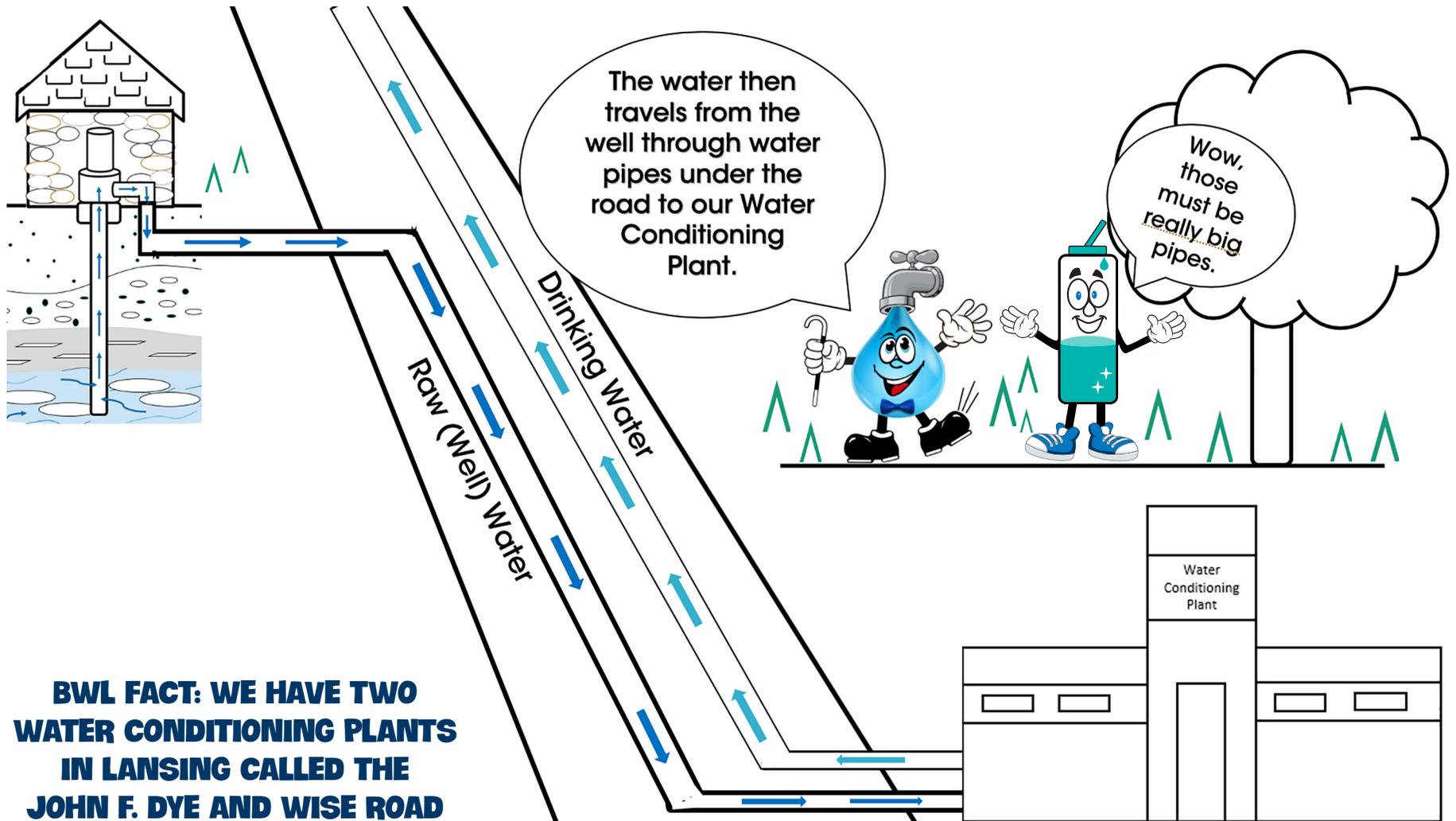
Well House



Well Cabinet

BWL FACT: WE HAVE WELL HOUSES AND WELL CABINETS.

FROM THE WELL TO THE WATER CONDITIONING PLANT



**BWL FACT: WE HAVE TWO
WATER CONDITIONING PLANTS
IN LANSING CALLED THE
JOHN F. DYE AND WISE ROAD
WATER CONDITIONING PLANTS.**

INSIDE THE WATER CONDITIONING PLANT

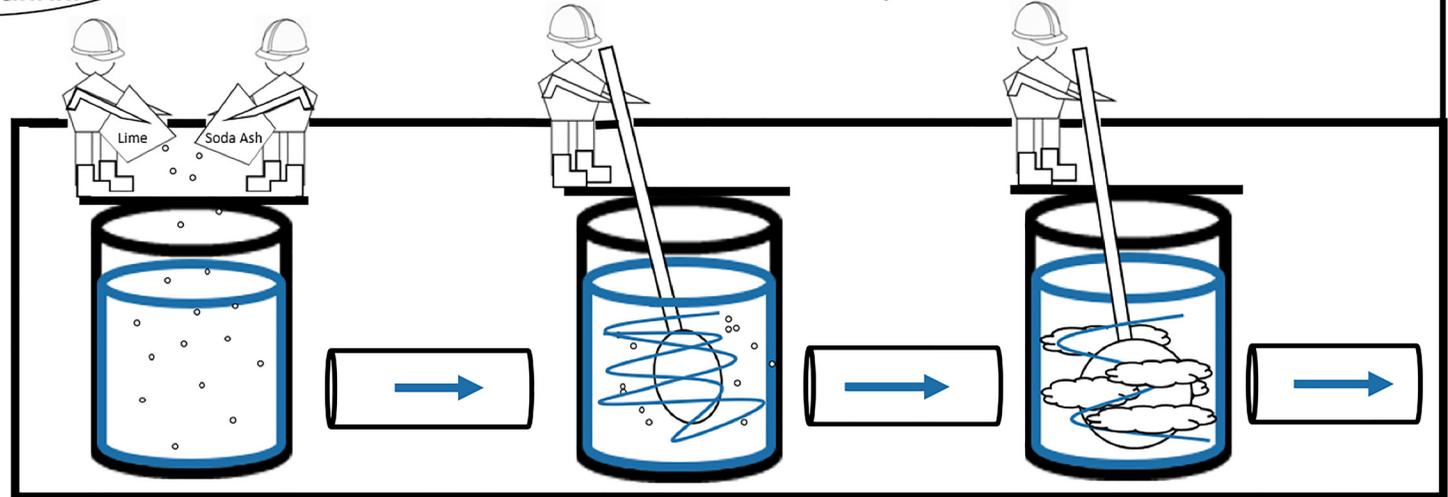
Phillup, inside the water conditioning plant our water is conditioned to protect against metals in our pipes, make our teeth healthy and keep it safe to drink.



Raw water from the well

Softening Process

To soften the water, we remove minerals, such as calcium and magnesium, which create hardness. The BWL removes 85 percent of hardness.

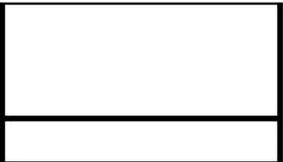


Rapid Mix

Lime and soda ash are added and mixed fast with the water to combine with the minerals to start the softening process.

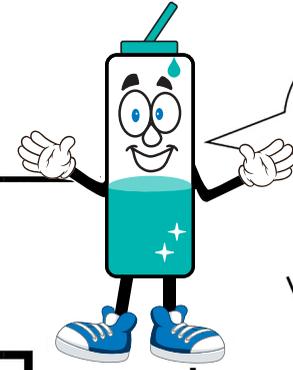
Flocculation (flok-yuh-lay-shun)

Slow mixing with large paddles allows clumps to form and become big and heavy. They look like big white clouds. These clouds are called floc.

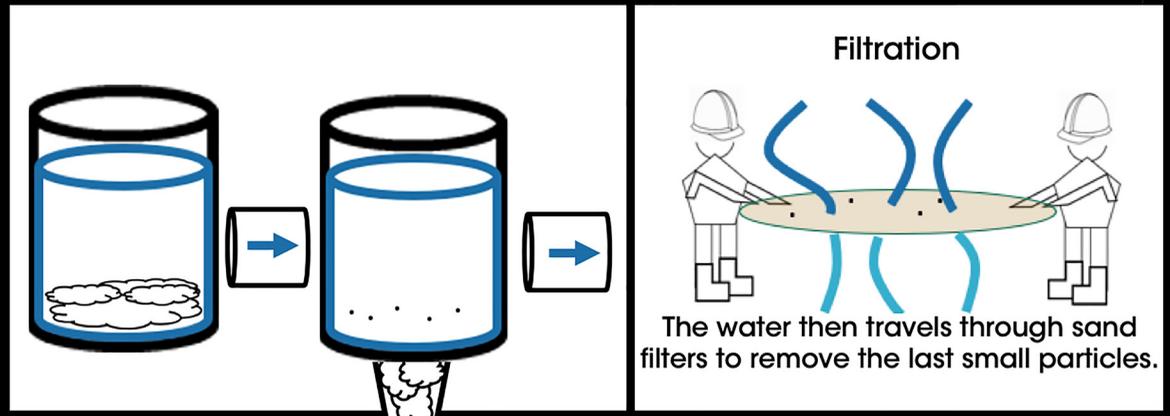


Sedimentation & Filtration Process

After these processes, the water is clean, clear and ready to use.



Wow, the water is now ready for us to drink. How does it get to our faucets?



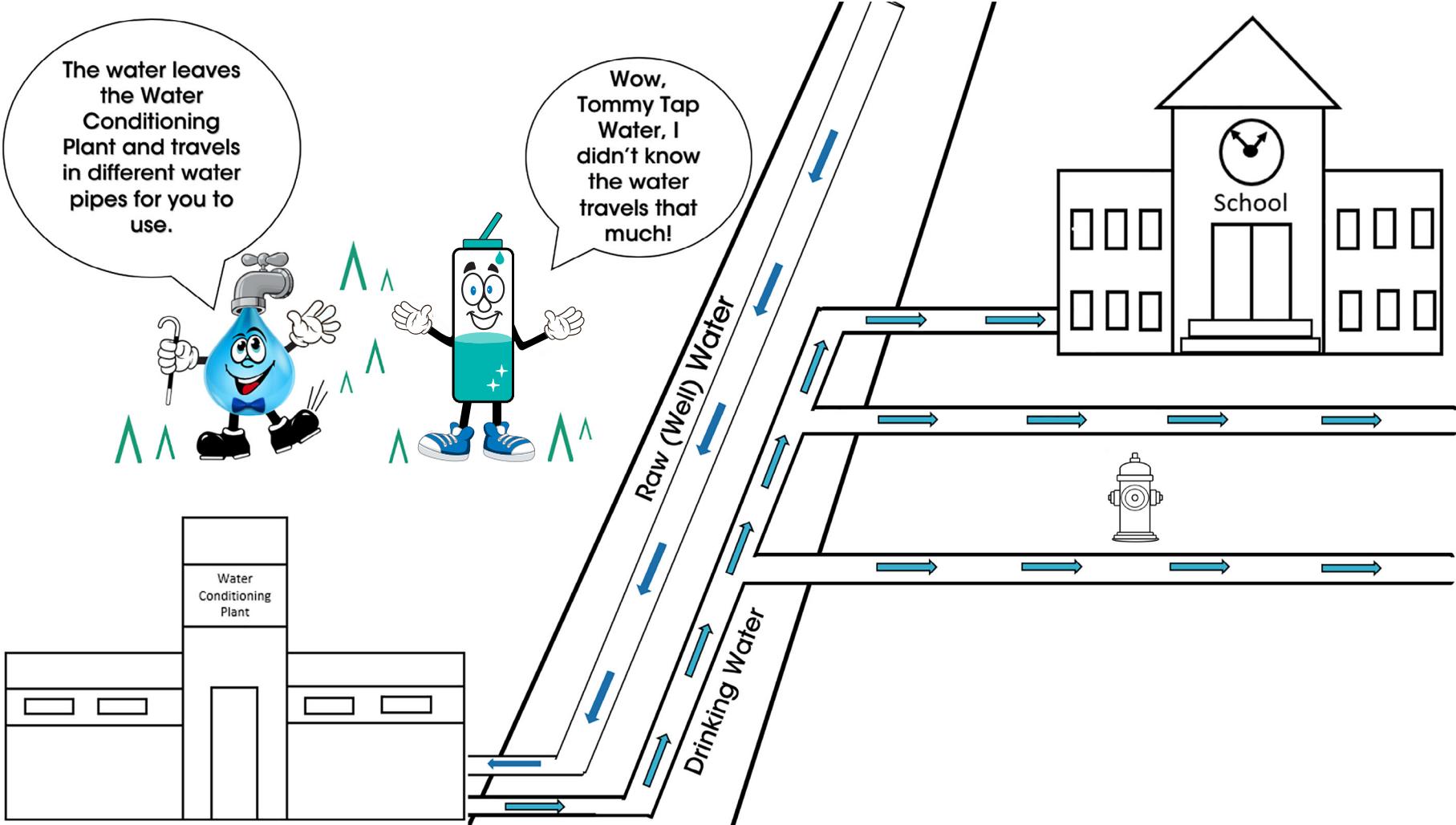
Sedimentation
The heavy floc clumps fall to the bottom and becomes reusable sludge.



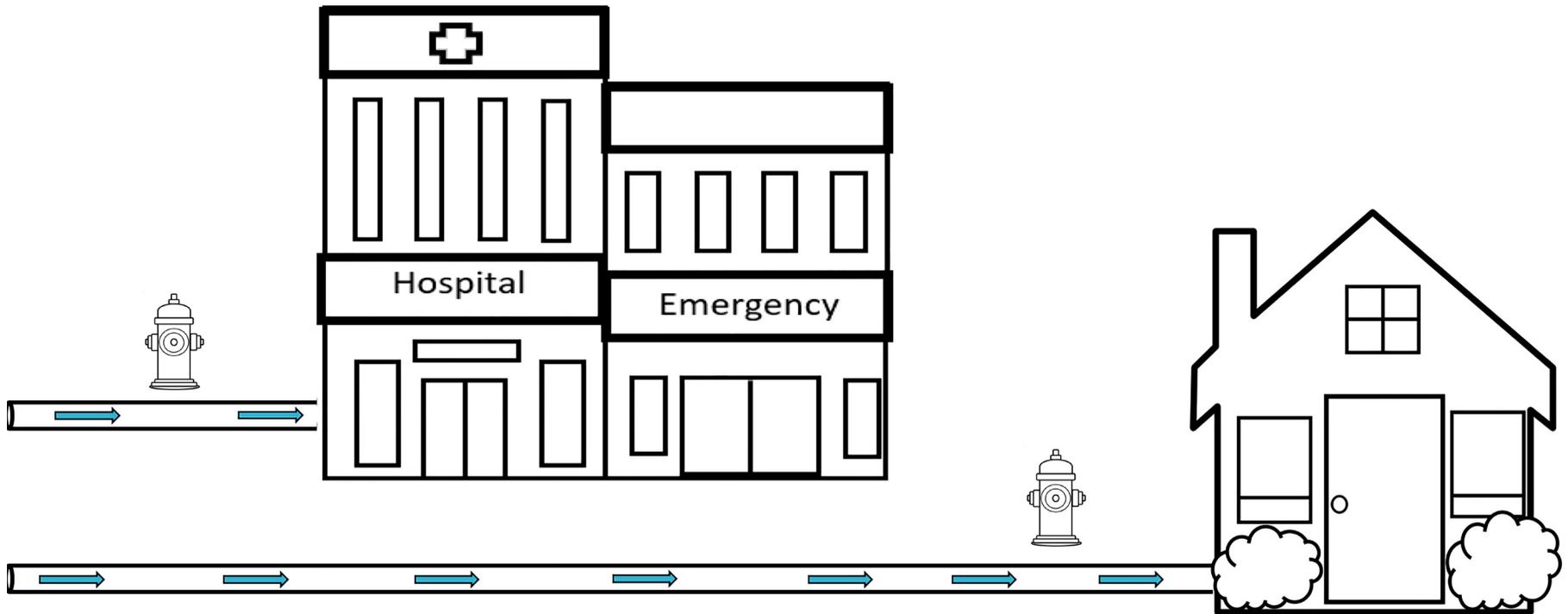
The reusable sludge is removed and loaded into semi-trucks to be applied to farm fields for soil improvement and used to fill in large holes in the land.

Reservoir
Storage for water before going to homes, schools, businesses and more.

FROM THE WATER CONDITIONING PLANT TO SCHOOLS AND BUSINESSES...

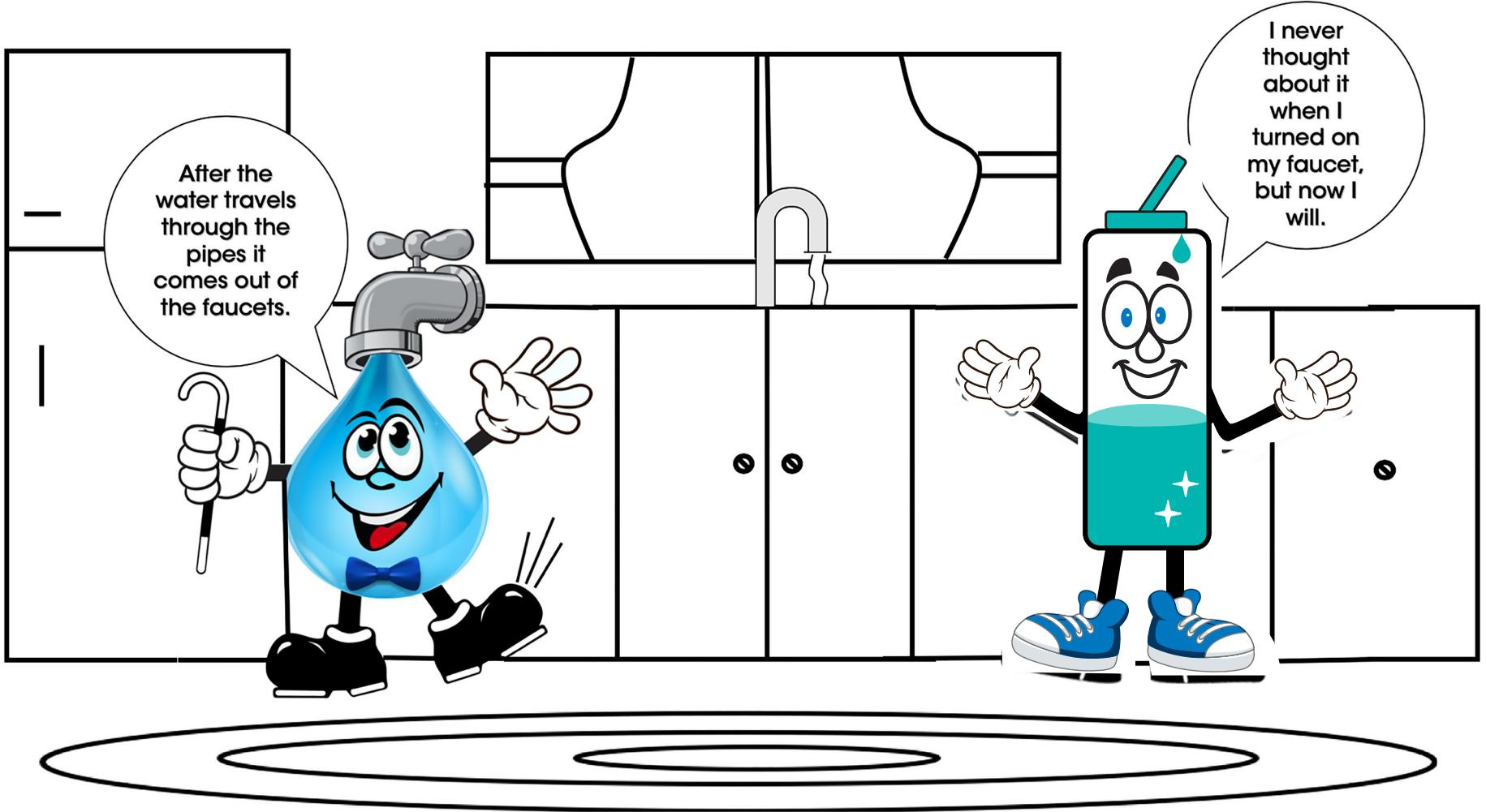


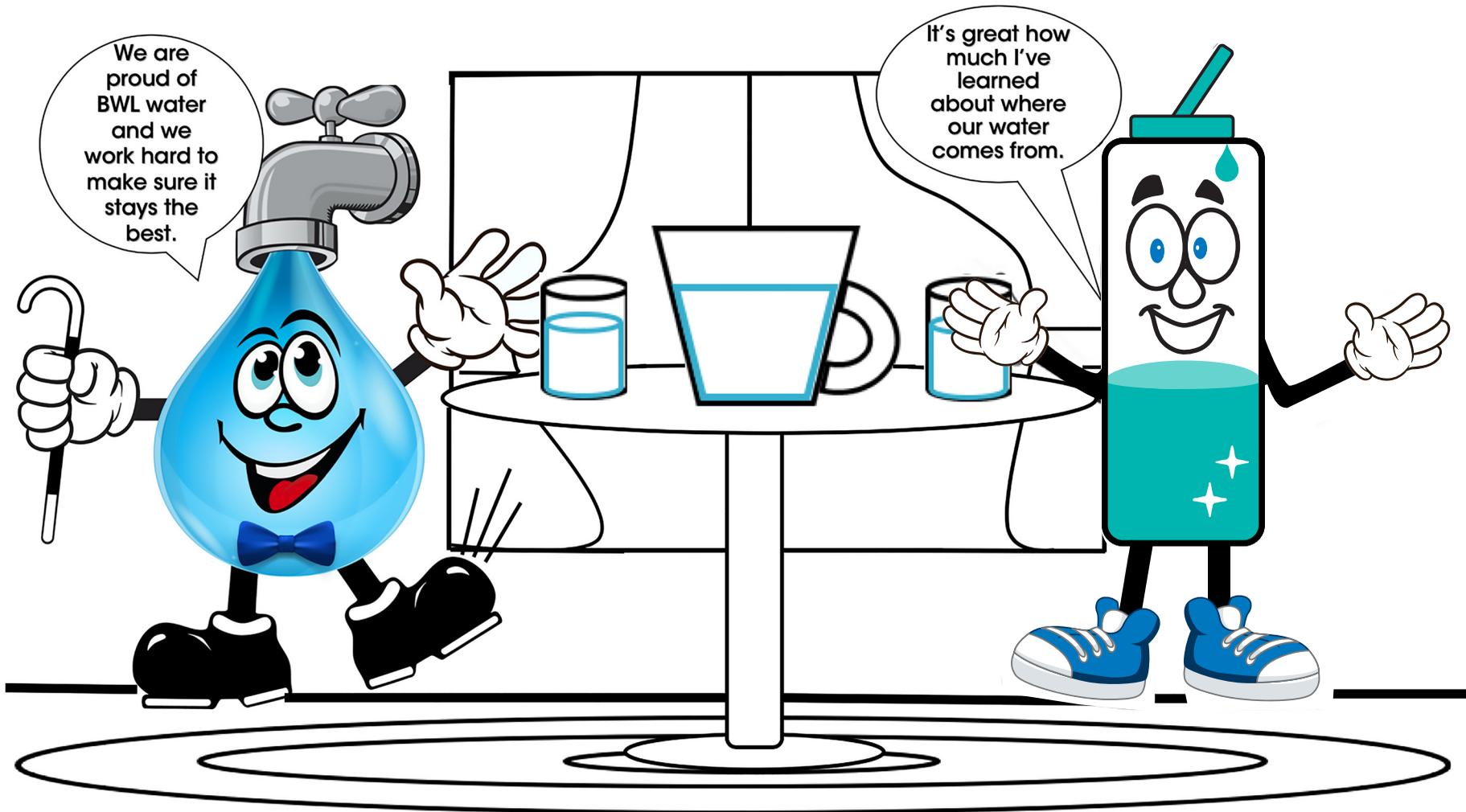
... TO HOSPITALS AND YOUR HOME



BWL FACT: THERE ARE OVER 800 MILES OF PIPES UNDER THE ROADS IN LANSING AND SURROUNDING AREAS. THERE ARE ALSO OVER 6,700 FIRE HYDRANTS.

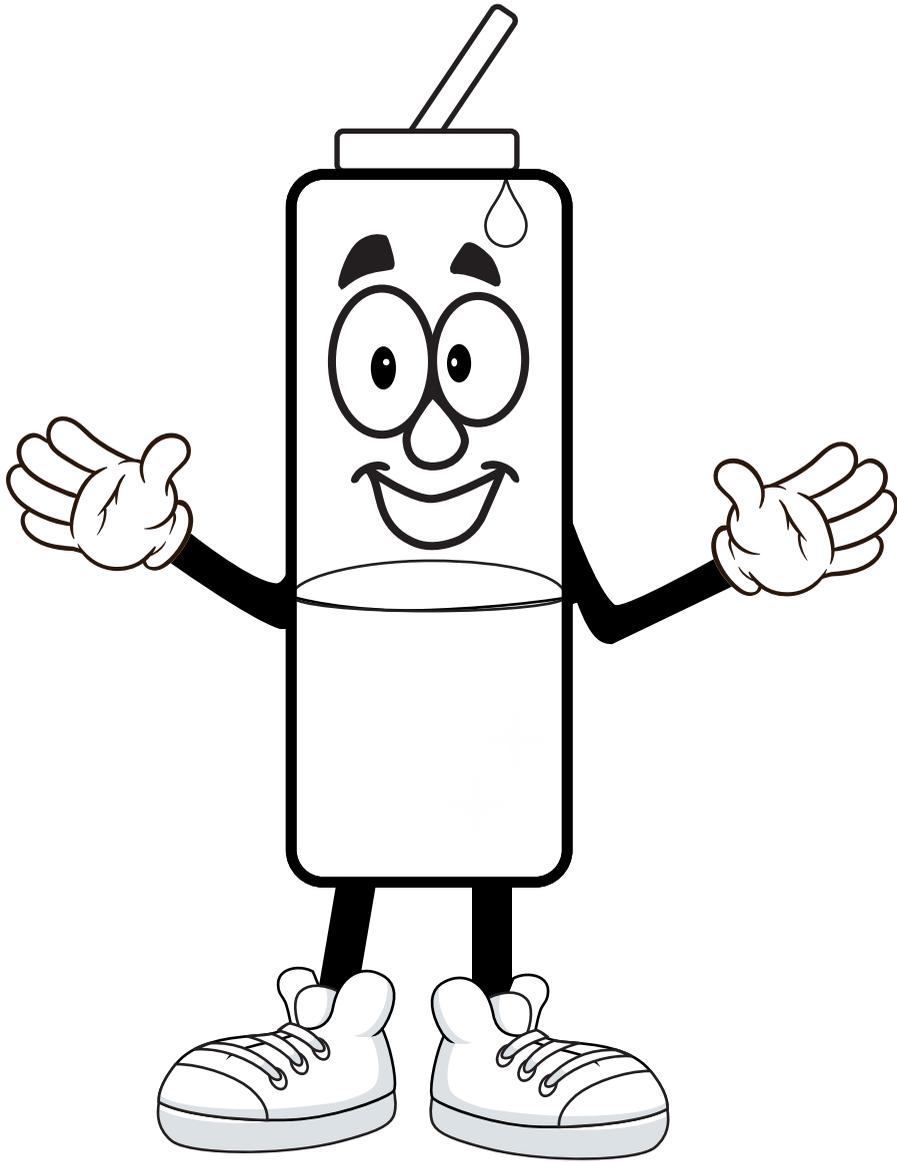
AT THE KITCHEN FAUCET



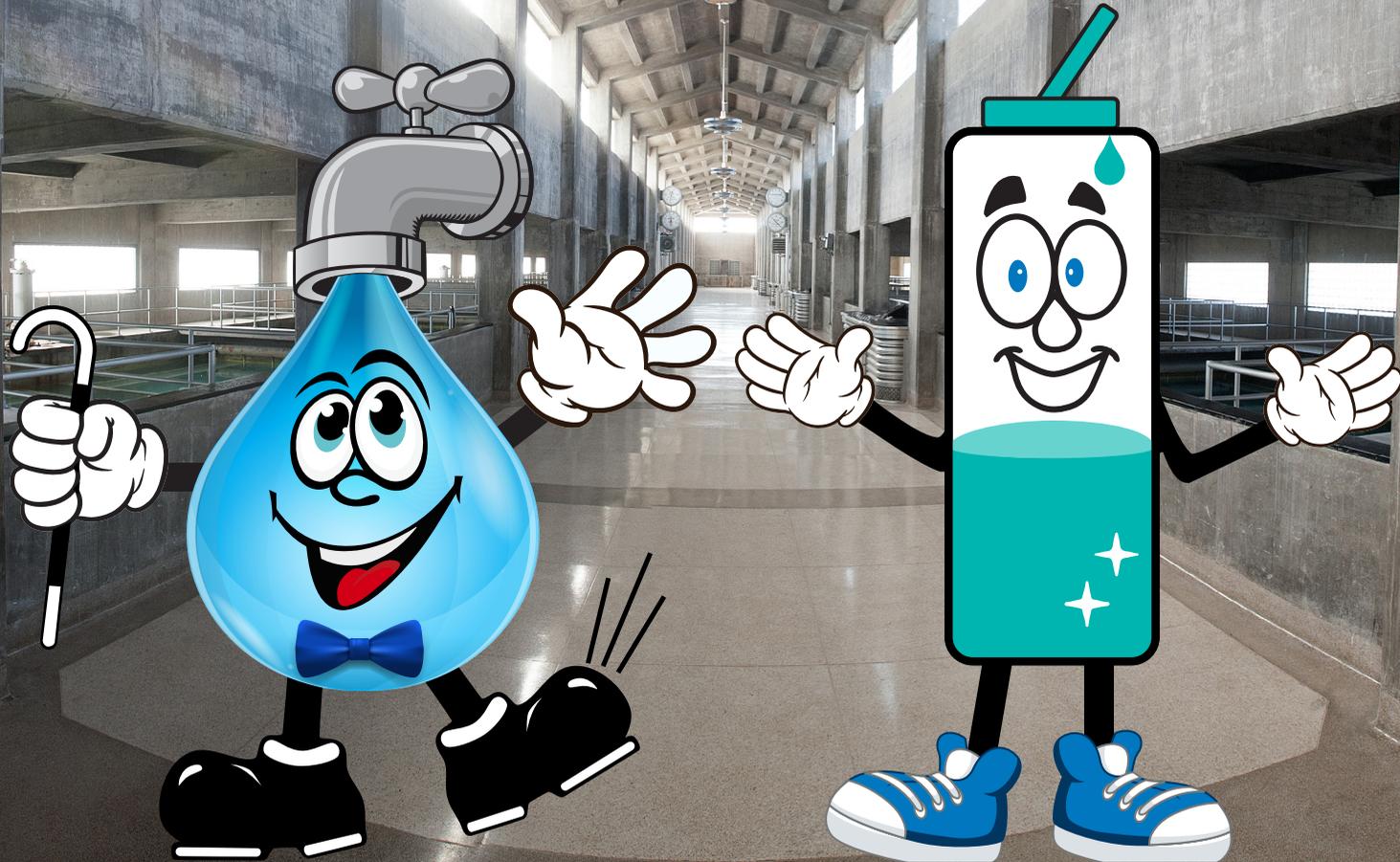


We are proud of BWL water and we work hard to make sure it stays the best.

It's great how much I've learned about where our water comes from.



THE DYE WATER CONDITIONING PLANT FILTER GALLERY





THE END
WATCH FOR FUTURE WATER ADVENTURES
WITH TOMMY TAP WATER AND PHILLUP

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BWL
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