

GET THE LEAD OUT

Data Centers #10 · A Channel 5 Kids Adventure
with Lena Ashgrove and the Infrastructure Guard



CREDITS

Get the Lead Out · Data Centers #10 · Kids edition (ages 6–9)

Story and production: GOTB Consulting, Chicago

Starring Lena Ashgrove, Commons, Undertow and The Auditor

AI-GENERATED ART, FICTIONAL CHARACTERS

All characters, the town of Prairie Bend and Channel 5 are fictional. Any resemblance to real people is a coincidence. No real logos are shown.

Facts in this book were checked against public sources before printing.

Home safety: never chew on old paint or windowsills, wash hands before eating, and let a grown-up handle any pipes!

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MEET YOUR GUIDES



**LENA
ASHGROVE**

Channel 5 host. She asks the big questions.



COMMONS

Public works boss. Lantern up!



UNDERTOW

Water hero. Knows every pipe.



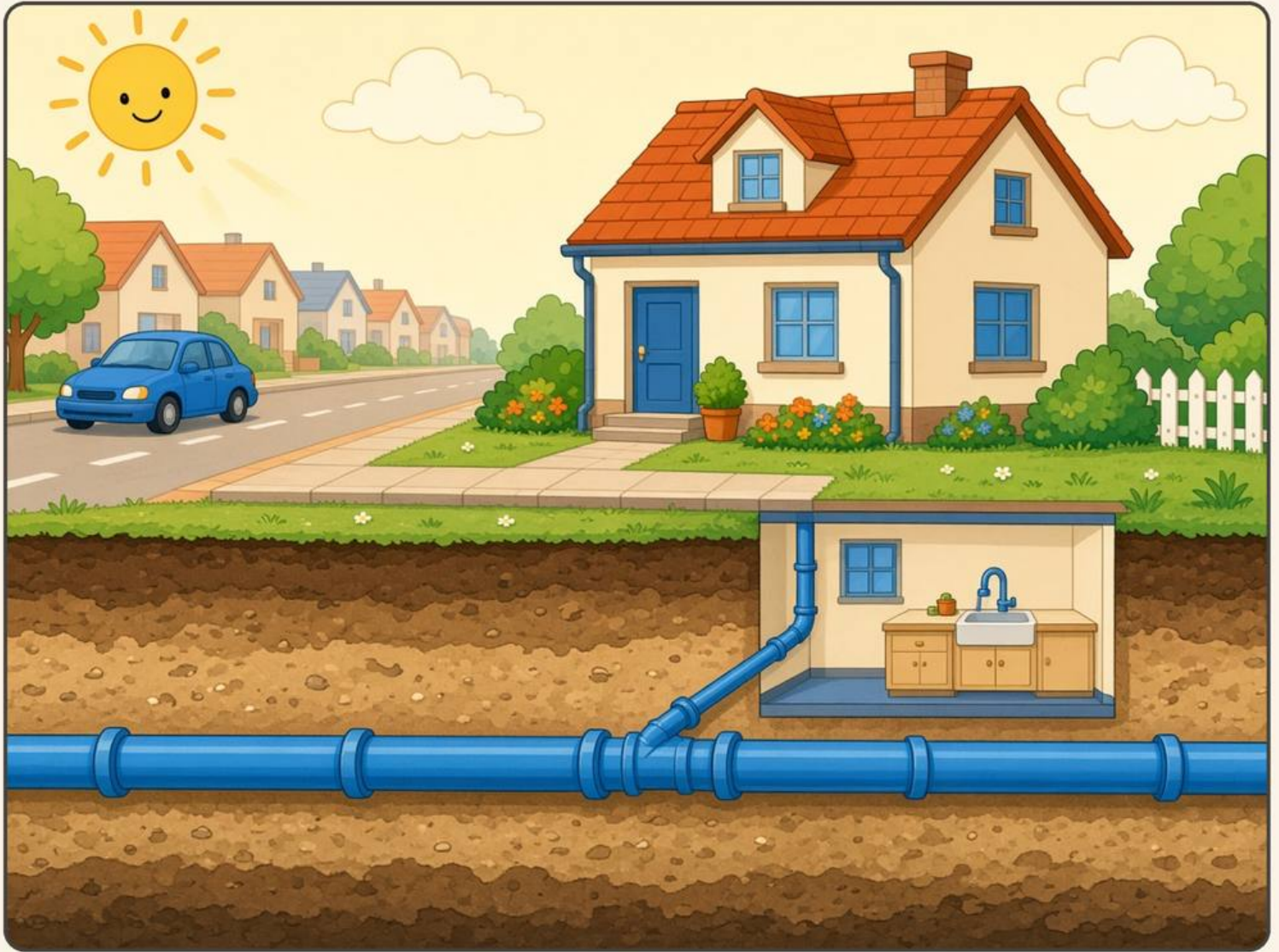
**THE
AUDITOR**

Sees and reports. Clipboard ready.



LENA

TODAY A CREW IS SWAPPING AN OLD PIPE FOR
A NEW ONE. LET'S WATCH!



A small pipe called a service line brings water from the street into a home.



LENA

LONG AGO, CHICAGO MADE THESE PIPES OUT
OF LEAD, UNTIL 1986.



COMMONS

LEAD CAN GET INTO WATER FROM OLD PIPES.
SO WE'RE SWAPPING LEAD PIPES FOR NEW
ONES!



UNDERTOW

CHICAGO HAS MORE LEAD PIPES THAN ANY
OTHER CITY. THAT'S A LOT OF SWAPPING!



COMMONS

THE CITY WILL SWAP THEM FOR FREE FOR
MANY FAMILIES. GROWN-UPS CAN CHECK
ONLINE IF THEIR PIPE IS LEAD.



LENA

VERIFIED

THE PLAN: ABOUT 8,300 PIPE SWAPS EVERY
YEAR, STARTING IN 2027!

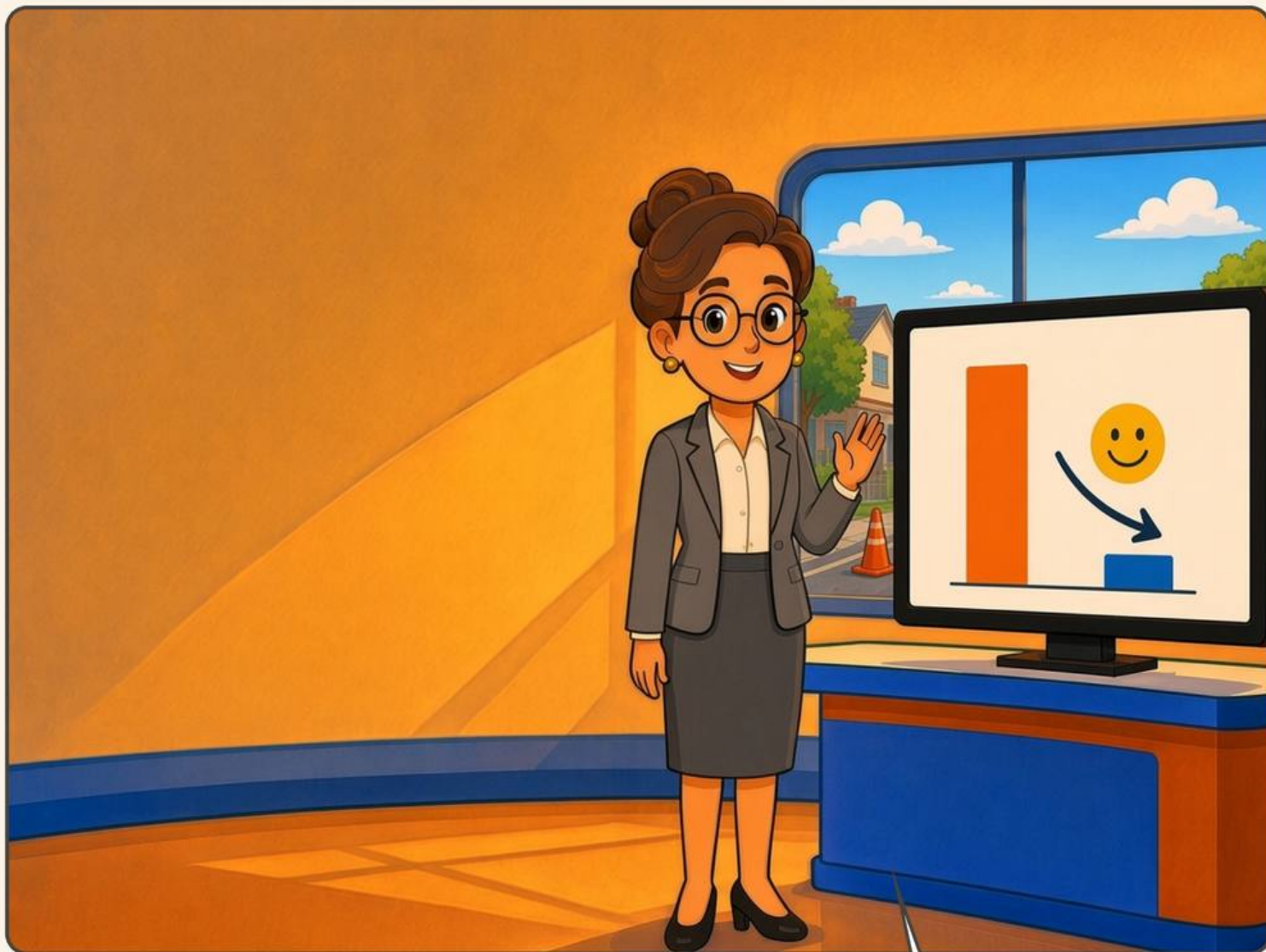


LENA

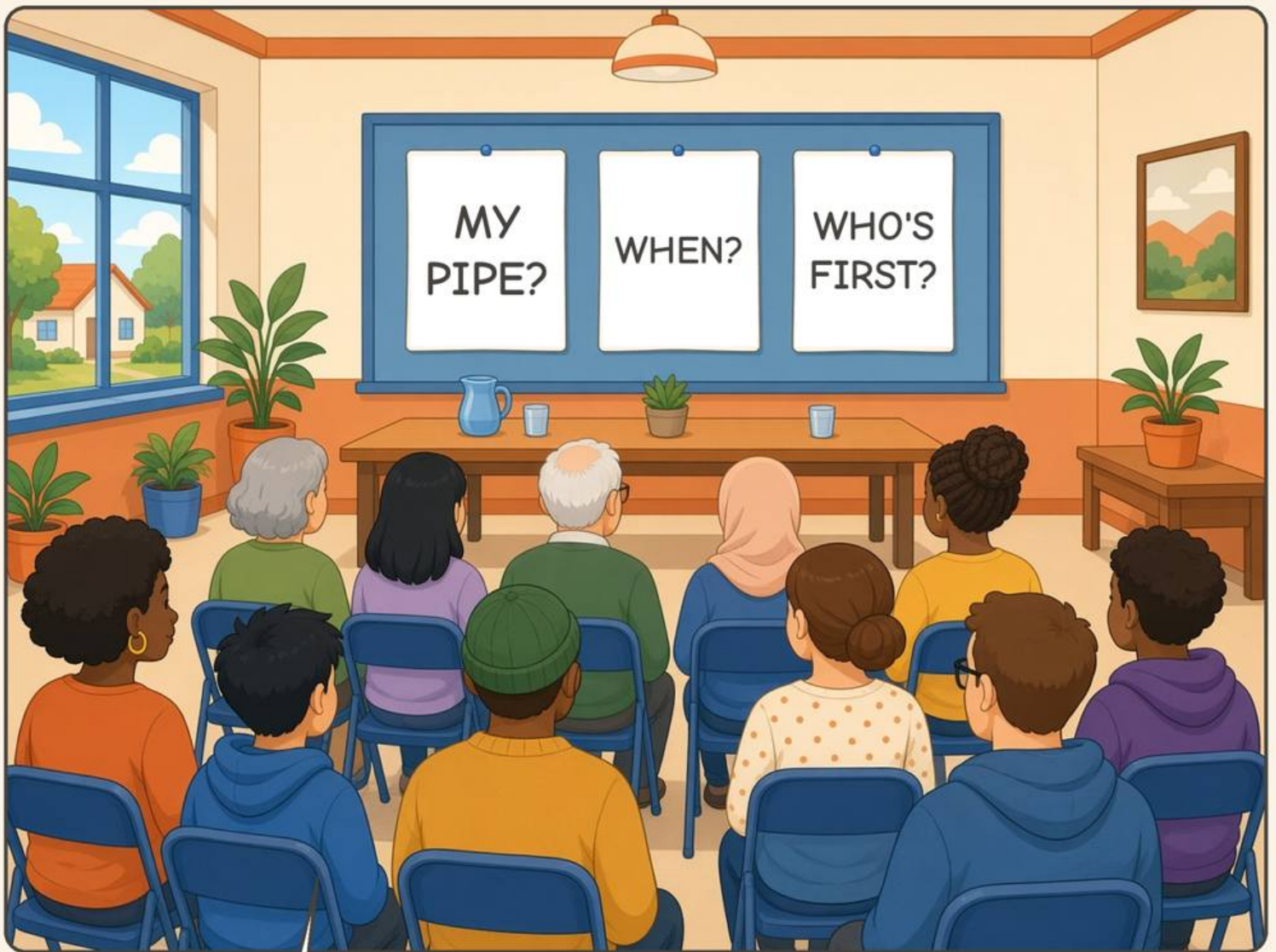
OLD PAINT CAN HAVE LEAD TOO. GROWN-UPS
FIX IT SAFELY. KIDS STAY AWAY FROM PEELING
PAINT.



Kids under 6 need the most protection from lead. That's why grown-ups work so hard on this!



FIXING HOMES AND TESTING KIDS HAS
HELPED A LOT. LEAD PROBLEMS IN KIDS HAVE
GONE WAY DOWN!



LENA

NEIGHBORS ASK WHICH BLOCKS GO FIRST. THE
PLAN STARTS WHERE HELP IS NEEDED MOST.



LENA

NEW PIPES, HAPPY HOMES! SEE YOU NEXT
TIME ON CHANNEL 5!

Made with GOTB Consulting, who help plan the power, water and public works behind places like this.

WORDS TO KNOW

LEAD

A heavy gray metal. Not safe in water or paint.

SERVICE LINE

The small pipe from the street to a home.

WATER MAIN

The big pipe under the street.

COPPER

A shiny orange metal used for new pipes.

PAINT CHIPS

Old flakes of paint. Never touch or taste!

INSPECTOR

A person who checks if things are safe.

FILTER

A tool that cleans water at the tap.

REPLACE

Take out the old, put in the new.

FROM MAIN TO TAP

Trace the path with your finger, from start to finish.

MAIN

The big pipe under the street.



SERVICE LINE

A small pipe to each home.



CHECK

Is it old lead? Look it up!



DIG

A crew digs a neat trench.



NEW PIPE

In goes shiny new copper.



TAP

Fresh water at the sink!

WORD SEARCH

Find these words. They go across, down, or slanted.

C	O	J	C	M	A	I	N	G	M	K	R
C	R	E	W	E	R	W	I	W	V	L	B
R	L	T	B	D	P	C	O	P	P	E	R
S	B	A	N	H	I	W	K	N	H	P	C
C	W	U	W	U	P	A	L	E	A	D	M
K	I	L	T	T	E	T	A	T	R	G	U
G	E	A	B	A	P	E	P	S	Y	O	A
R	E	N	M	P	P	R	A	U	N	L	H
J	I	T	S	E	U	S	I	S	L	O	W
F	O	E	A	J	V	H	N	J	O	R	R
R	S	R	F	B	L	E	T	O	W	W	E
K	H	N	E	Y	W	K	M	D	C	J	T

LEAD

PIPE

COPPER

WATER

PAINT

CREW

TAP

MAIN

SAFE

LANTERN

QUICK QUIZ

Circle the best answer!

1. Until when were Chicago service lines mostly lead?

1986

1886

2. What do new pipes use?

Copper

Chocolate

3. Lead in old paint is...

Not safe to touch

A snack

4. Who digs the trench?

A trained crew

Kids

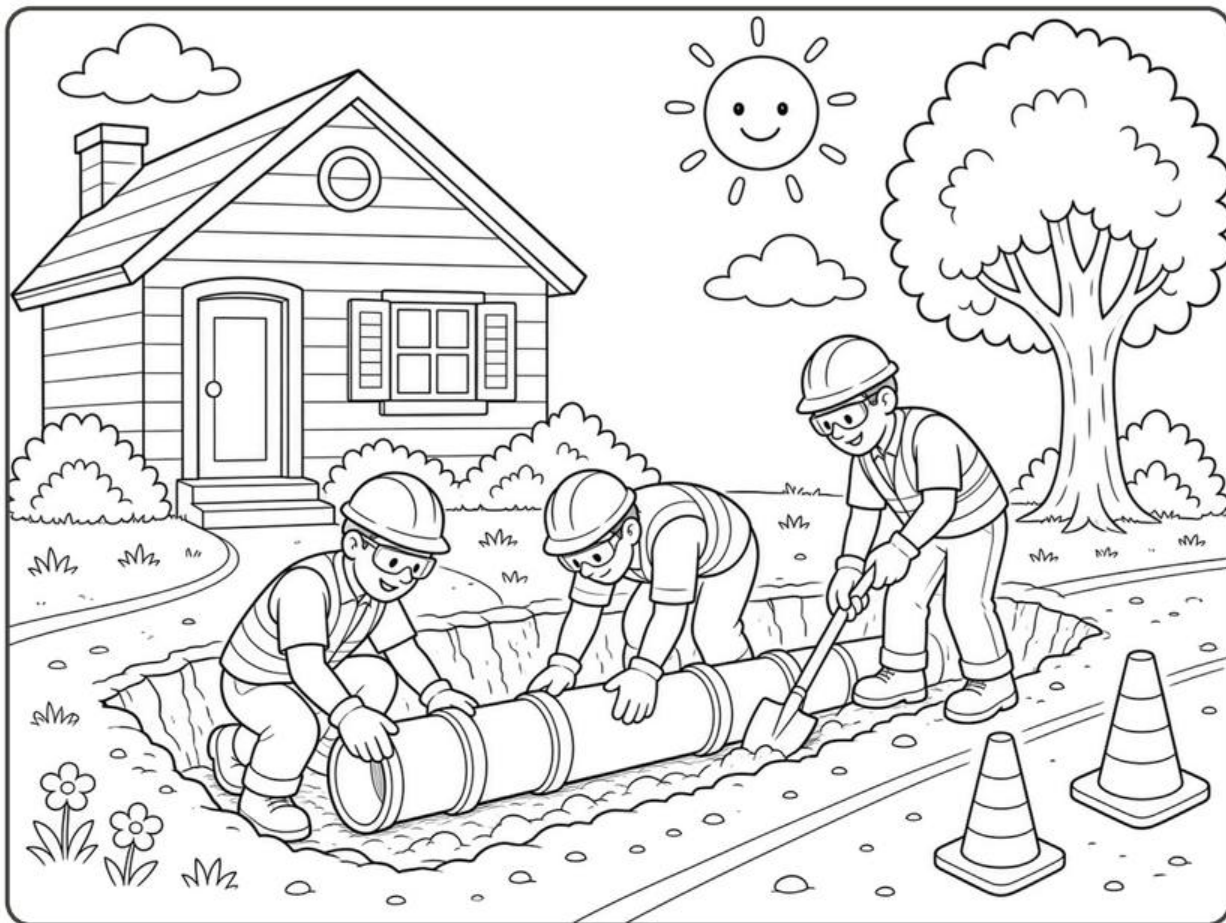
5. What can a grown-up check?

If a pipe is lead

If it is Tuesday

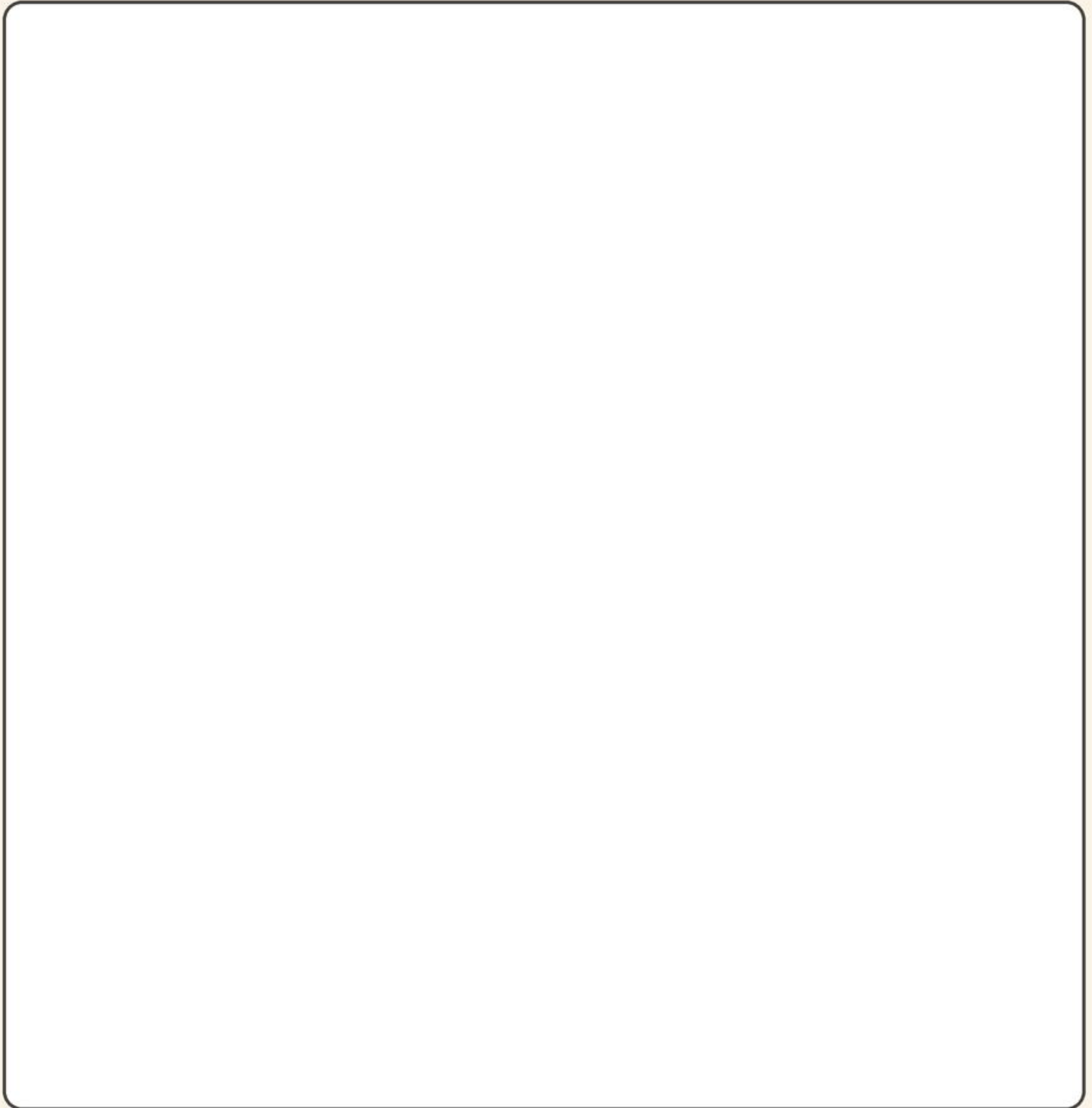
Answers: 1 1986 · 2 copper · 3 not safe to touch · 4 a trained crew · 5 if a pipe is lead

COLOR THE NEW PIPE



DESIGN A SAFE HOME

Draw a home with fresh paint and a shiny new pipe!



My safe home has: _____

LET'S TALK ABOUT IT

Questions to share with a grown-up

WHERE DOES THE WATER AT YOUR SINK COME FROM?

WHY SHOULD YOU NEVER TOUCH OLD PAINT CHIPS?

WHO COULD YOU ASK ABOUT YOUR HOME PIPES?

WHAT WOULD YOU ASK COMMONS ABOUT THE CREWS?

ABOUT GOTB CONSULTING

GOTB Consulting is a Chicago team that helps plan the big systems towns depend on.

We work on four things you saw in this book:

DATA CENTERS

Where the cloud lives

POWER

Electricity for homes and buildings

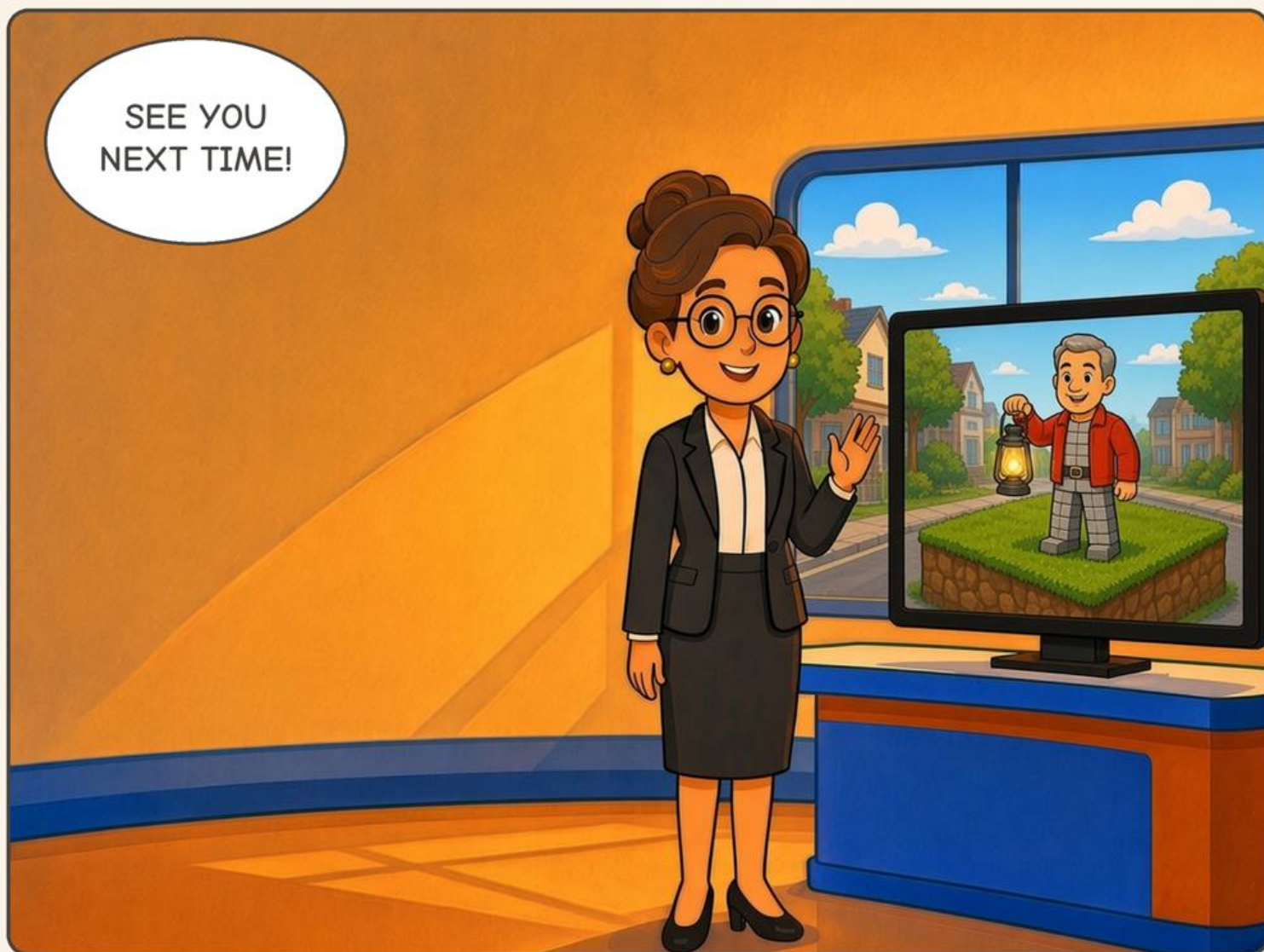
WATER

Clean water and smart cooling

PUBLIC WORKS

Roads, pipes and places for people

THE END!



THANKS FOR GETTING THE LEAD OUT WITH US!

Next time: more adventures with the Infrastructure Guard!

GOTB CONSULTING • CHICAGO

Data centers • Power • Water • Public works

AI-generated art, fictional characters