



North Jantzen Avenue

Water Main Replacement Project

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Chief Engineer



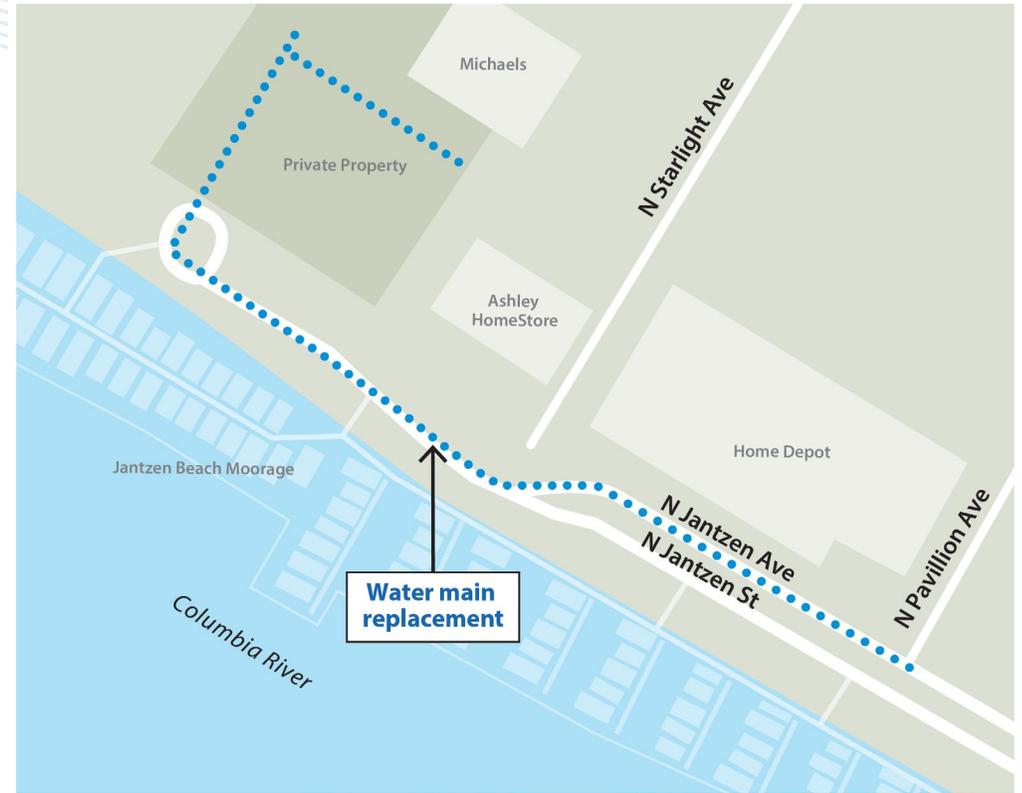
Distribution Mains Program Background

- Approximately 2,250 miles of water main
- Asset Management used to identify projects based on condition and risk
- Main replacement goal of 35,000 to 50,000 ft/yr
- Goals of distribution main contract projects:
 - increase footage replaced to meet asset management goal
 - providing different sized contract opportunities to the community

Why we're replacing *this* water main

- Fix aging pipes
 - 2,200 lf of new main
- Improve seismic resiliency
 - Install earthquake resistant pipe
- Protect against contamination
 - Install backflow devices
- Improve fire protection
 - Add fire hydrant

The new pipe will help make sure water is safe and reliable for generations to come.

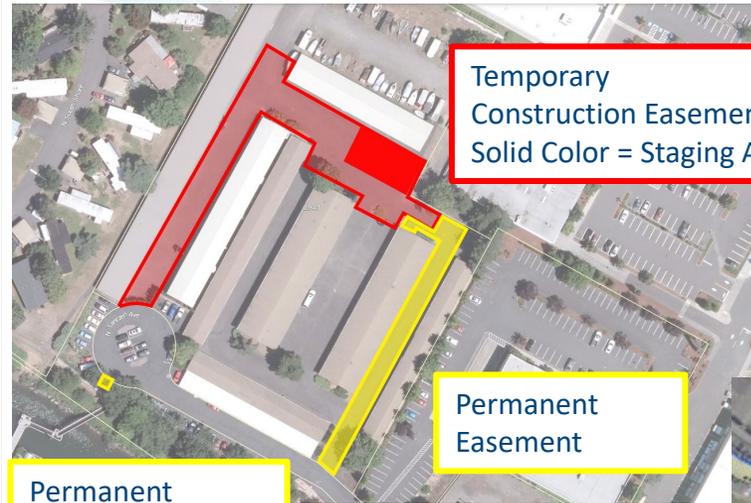


What is earthquake resistant pipe?



Photos from Kubota Membrane Corporation

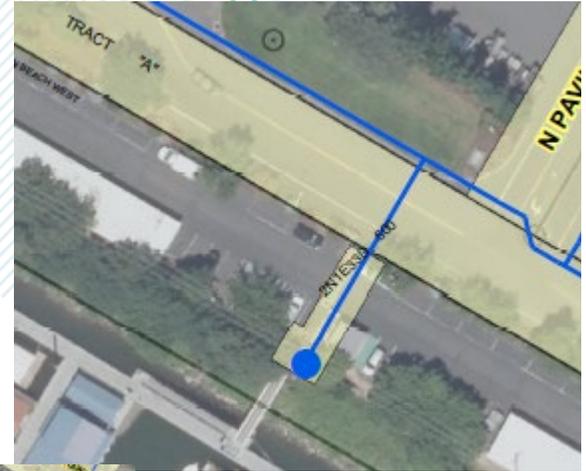
Easements & Property



Temporary
Construction Easement
Solid Color = Staging Area

Permanent
Easement

Permanent
Hydrant Easement



Request

Authorize bid solicitation and contracting with the lowest responsive and responsible bidder for construction of the North Jantzen West of N Pavilion Ave Water Main Improvement Project.

Estimated cost: \$1,326,698

Start date: Fall 2022 or Winter 2023

Questions?



Jodie Inman



503 823-1289



portland.gov/water/JantzenMain



PortlandWater



PortlandWaterBureau



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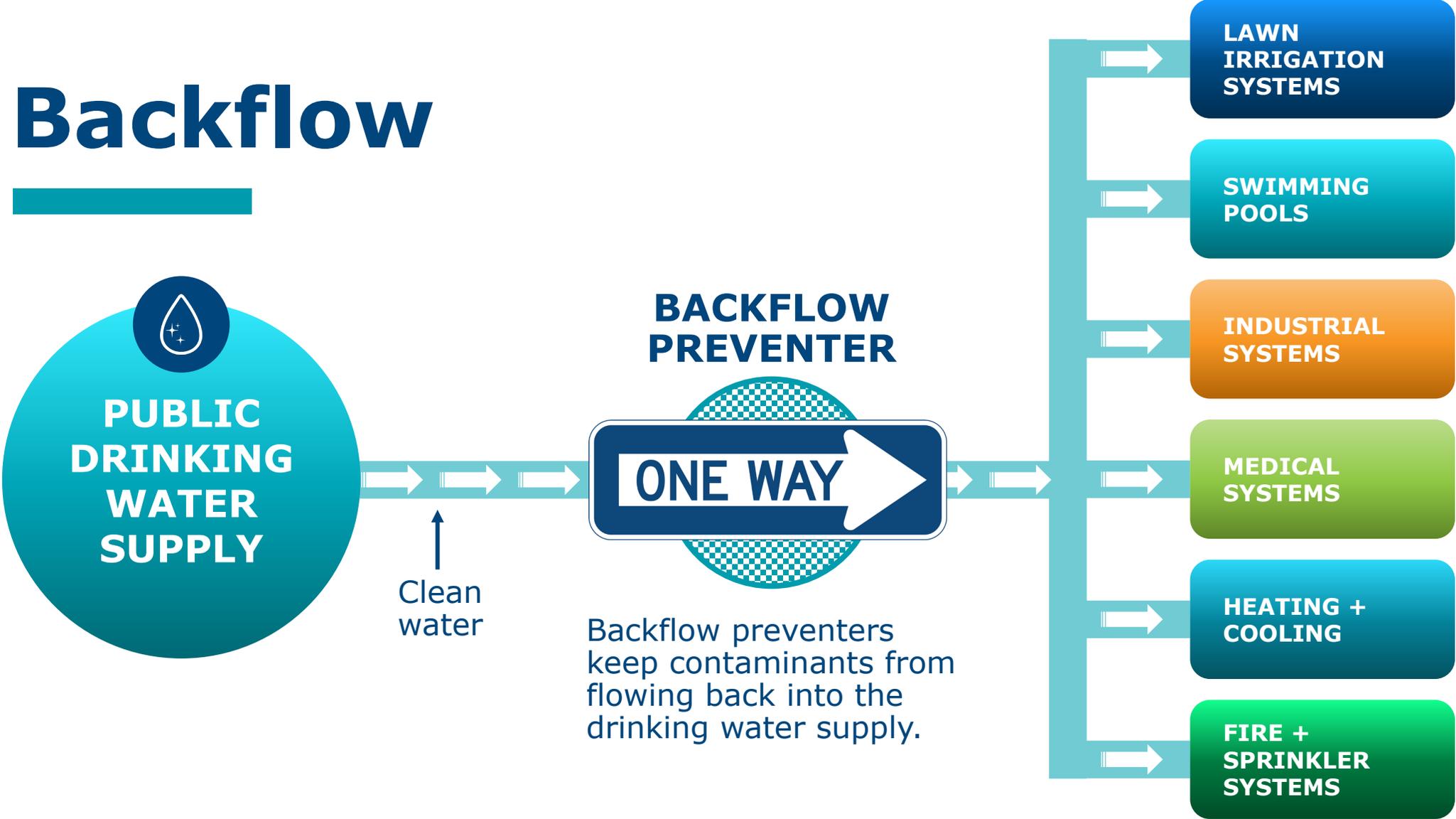


E-News: eepurl.com/gcWEjj



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Backflow



Backflow preventers keep contaminants from flowing back into the drinking water supply.

Steps for replacing a water main



1 Marking the street.



2 Cutting the road and digging a trench.



3 Installing or replacing pipe.



4 Flushing/sanitizing and connecting to the water system.



5 Connecting the new pipe to people's water meters. We will put a notice on your door at least 24 hours before a water shutoff.



6 Restoring the road surface.

