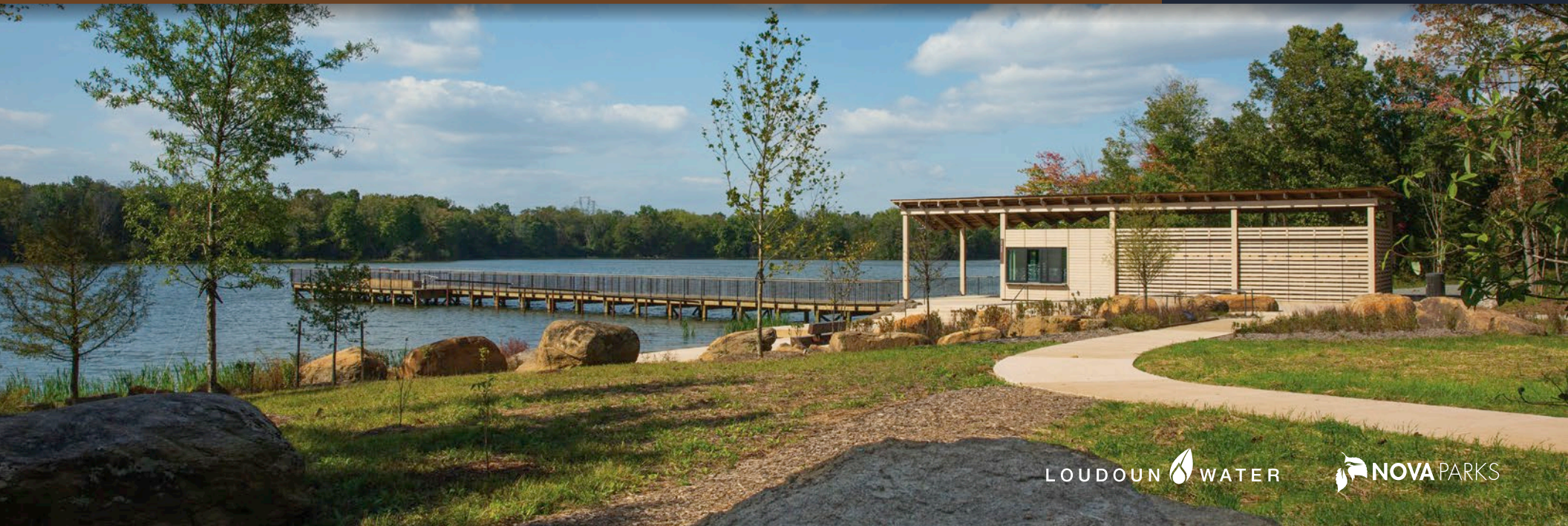
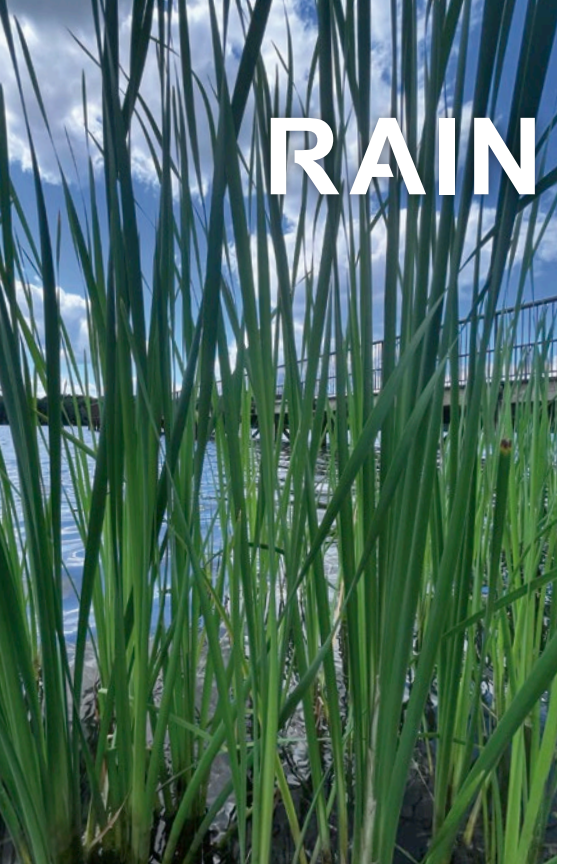
RESERVOIR PARK

DEDICATED **10**21**2024**





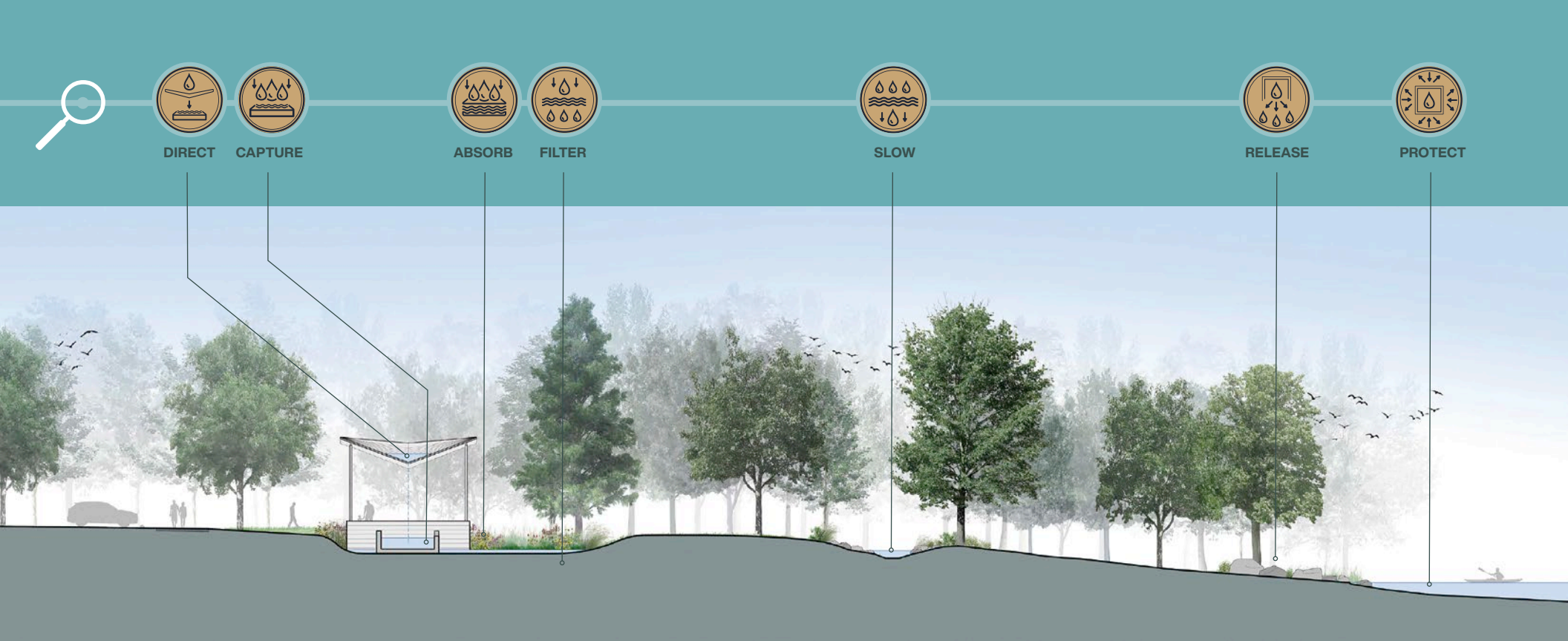
RAIN TO RESERVOIR

Welcome to Reservoir Park, a joint venture between Loudoun Water and NOVA Parks. The park is a commitment to public infrastructure, open space, and the future health and wellness of the community.

Loudoun Water seeks to ensure a healthy environment and high quality of life through the effective and sustainable management of local water resources and by securing viable drinking water sources for future generations.

The story of water at Beaverdam Reservoir is a microcosm of the larger water cycle. As part of Loudoun Water's dedication to source water protection and education, Reservoir Park is designed to employ and promote a series of stormwater best practices. The medallions throughout the park describe how stormwater is collected, treated and conveyed to the reservoir during and following a storm event.

Follow the journey water takes through the site and make rubbings of the medallions as you meander through the park. During the entire process, Beaverdam Reservoir and its watershed continue to be protected by Loudoun Water. What can you do to protect the watershed?


DIRECT
CAPTURE
ABSORB
FILTER
SLOW
RELEASE
PROTECT

DIRECT

Rainfall lands on the large butterfly roof canopies at the Welcome Center and pavilions. The V-shape of the roof directs water to the lowest point where it falls into a rain basin below.

CAPTURE

Rain basins capture and temporarily hold rainwater collected from the Welcome Center and pavilion canopies. These features slow down the water as it begins its journey to the reservoir.

ABSORB

Plants and soil media in the bioretention basins absorb large amounts of stormwater to help prevent flooding. Specific plants with deep, dense root systems were chosen for this purpose.

FILTER

Stormwater enters the large bioretention basin where it is filtered by layers of engineered soil and specially selected plants. This process captures sediments and helps remove pollutants.

SLOW

Stormwater leaving the bioretention basin makes its way through a bioswale. The meandering river rock swale continues to slow the speed of water allowing for further infiltration and capture of sediments.

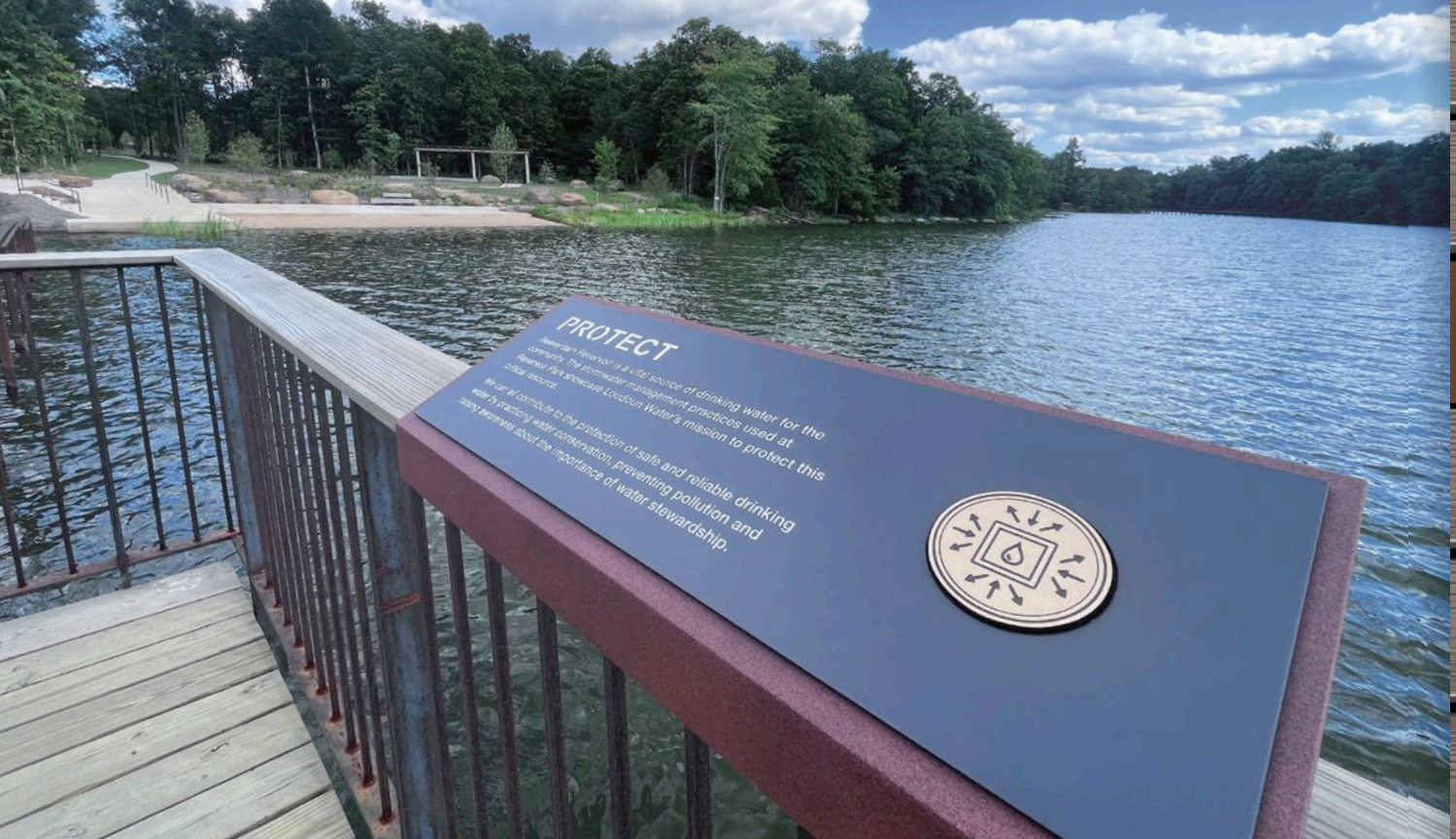
RELEASE

Stormwater is released into the reservoir in a controlled way through groundwater or overland flow. A stabilized edge of boulders and vegetation helps prevent erosion along the shoreline.

PROTECT

The sustainable water management practices installed at Reservoir Park help improve and protect the water quality in Beaverdam Reservoir. These efforts are part of the larger mission of Loudoun Water to protect and ensure the availability of clean drinking water for the community.


One region, one water, one future.



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