



ENVIRONMENTAL SUSTAINABILITY - CLIMATE RESILIENT INFRASTRUCTURE

\$2M-\$10M

CITY OF KITCHENER | STANTEC CONSULTING LTD. | R&M CONSTRUCTION | REEP GREEN SOLUTIONS | SHIFT LANDSCAPE ARCHITECTURE

Montgomery Creek Restoration

The Montgomery Creek naturalization project is an exemplary initiative demonstrating how municipalities can address climate change impacts on infrastructure, community, and the environment. Unlike traditional grey infrastructure, which weakens over time, nature-based solutions used in this project become more resilient as native vegetation establishes and matures.

The project created a wider, meandering riffle/pool sequence that absorbs and slows stormwater flows, mitigating flood risks. Natural channel design principles also established fish habitat, providing shelter, breeding grounds, and food sources for various species.

Native vegetation stabilizes soil, prevents erosion, and enhances ecosystem resilience. Culturally important species identified by Indigenous partners were









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