

Pile-Type Debris Flow and Woody Debris Barrier

URBAN GUARD



POINT 1

Economical Pile-Foundation Structure

The pile-foundation structure minimizes riverbed disturbance and excavation, reducing installation costs and shortening construction time.

POINT 2

Highly maintainable System

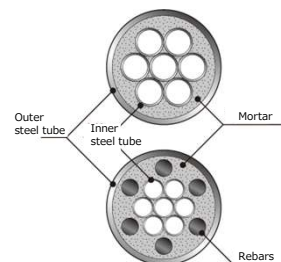
If impact load remains within the design capacity, the system can be reused after debris removal with minimal component replacement.

Advantages of Hollow and Mortar-Filled Steel Pipes

By placing multiple small-diameter steel pipes and reinforcing bars inside an outer steel pipe and fills the voids with mortar, a highly resilient composite member is created. Full-scale testing has confirmed its high strength and excellent ductility.



Full-Scale Static Load Test of the post



Post Cross Section

