The City of Middletown is under a consent decree to control combined sewer overflows. Combined sewers carry both storm water and sewage. When they overflow, sewage leaves the sewer system and enters the Great Miami River, rather than being carried to the wastewater treatment plant. Overflows are commonly caused by insufficient capacity in the sewer system. To control overflows, storm water is taken out of the sewer system and held in storage temporarily and released slowly back into the sewer system. Storage facilities come in several types, from large underground tunnels to retention basins. Green Infrastructure basins, like the one shown here, are a natural and sustainable way to provide the benefit of storm water control, while providing a beautiful, natural landscape for the public.
RIVER COBBLE CHANNEL
DRY WITHIN 24-48 HOURS OF RAIN

LEDGESTONE SEATWALLS
MAXIMUM HEIGHT = 2.5 FT

NATIVE PLANTINGS
LARGE DRIFTS, EASY MAINTENANCE

24-48 HOURS AFTER A RAIN, THE BASIN WILL HAVE EMPTIED ALL STORED WATER.

FIGURE 2.0

100 YR. STORM - 684.14
10 YR. STORM - 683.97
1 YR. STORM - 683.03

FIGURE 1.0

SEE FIGURE 2.0

BASIN OVERFLOW / OPEN RECREATION
DRY WITHIN 24-48 HOURS OF RAIN
LEDGESTONE SEATWALLS
MAXIMUM HEIGHT = 2.5 FT

SEE FIGURE 1.0