



RAIN WATER HARVESTING

COMMUNITY INTELLISTORM® RWM SYSTEM

- 1 SDS AQUA-SWIRL®** - Uses hydrodynamic, gravity-controlled separation technology to remove pollutants attached to silt and debris within surface water runoff.
- 2 WEHOLITE ATTENUATION TANK** - Captured water is held in a tank, either under- or above- ground, sized in accordance with latest standards.
- 3 WEHOLITE MANHOLE** - Offsite-manufactured, light weight HDPE, BBA HAPAS-certified manhole, available in multiple sizes and any orientation.
- 4 INTELLISTORM® CONTROLLED VALVES** - Comprise duty/standby butterfly valves and actuators which are controlled by the Intellistorm® unit to release water to the drain.
- 5 WEHOLITE MANHOLE** - Provides a suitable location for SDS SYMBiotiC™ smart monitoring and control devices.
- 6 TRANSFER PUMP** - Delivers the water for further processing or to a break tank.
- 7 DISC FILTER** - Self-cleaning with automated air-assisted backwash; progressively finer filters remove particulates suspended in water that are >50 microns in size.
- 8 UV FILTER** - UV rays kill any microorganisms that may be in the water.
- 9 DAY TANK** - Holds a buffer supply of rainwater and provides access to mains-supplied water via a ball-valve chamber in case of shortfall in availability of recycled water.
- 10 CHLORINE DOSING** - Constantly monitors and adjusts chlorine levels within the day tank to ensure suitable treatment for onward distribution.
- 11 BOOSTER PUMP SET** - Twin or Triple pumps typically specified with variable speed operation to adapt to the demand situation.
- 12 INTELLISTORM® CONTROL UNIT** - Processes forecast rainfall data, calculates incoming stormwater volume, and monitors and controls tank levels via SDS SYMBiotiC™.
- 13 METERS** - Measure mains and recycled water supplied to the property.
- 14** Rainwater from the gutter is collected.
- 15** Mains water supplied to wash basins, showers, baths and sinks.
- 16** Recycled water for washing clothes, flushing toilets, outdoors cleaning and watering plants.

