

PROJECT BERLINER STRASSE 88, BERLIN-ZEHLENDORF

Storm Water Harvesting and Reuse Project

The planning of the project dated back into 1989. The construction of the project Berliner Straße 88 started in 1992.

The storm water from 160 housing units is collected in three cisterns making up a total storage capacity of 650 m³. The water is then reused for irrigation.

The runoff is discharge into an artificial water course and storm water pond of 1.000 m².

The pond water is recycled through the water course by solar and wind energy and continuously cleaned in a root zone treatment plant.

The excess water is infiltrated through ground water recharge units.

No storm water leaves the premises (zero runoff).

Present status: in operation since 1998

Technical Data

Technical Units	Area
Roof area	8.325 m ²
Open Space	6.600 m ²
Public Open Space	5.600 m ²
Mucrophytes	300 m ²
Catchment Area Pond	4.760 m ²
Pond	800 m ²
Water Course	186 m ²
Root Zone Treatment Plant	100 m ²
Equipment	Units
Flats	172
Inhabitants	430
Water demand	30 m ³ /d
Private Cisterns	9 piece
Storage Volume	432 m ³
Public Cisterns	4 piece
Storage Volume	192 m ³
Total Storage Volume	624 m ³

