



① Rainwater collection point (roof drains, gutters, etc).

② 500 micron hydraulic jump prefilter (Possible 97% collected.)

③ Cistern

④ Smoothing Inlet – flow-calming device to eliminate turbulence from incoming water

⑤ Floating stainless steel suction filter

⑥ Submersible feed pump set at 45 PSIG

⑦ Low water cut off float switch

⑧ Check valve

⑨ Hydro-accumulator tank

⑩ Domestic water supply

⑪ Backflow prevention device

⑫ Pressure regulator valve set at 30 PSI

⑬ Pressure gauge

⑭ Tank overflow (pipe to storm drain)

⑮ Prefilter overflow (pipe to storm drain)

⑯ Vent

RAINWATER HARVESTING SYSTEM DETAIL

ABOVE GROUND TANK, SUBMERSIBLE PUMP WITH HYDRO-ACCUMULATOR, PRV STANDBY CONNECTION

NOT TO SCALE